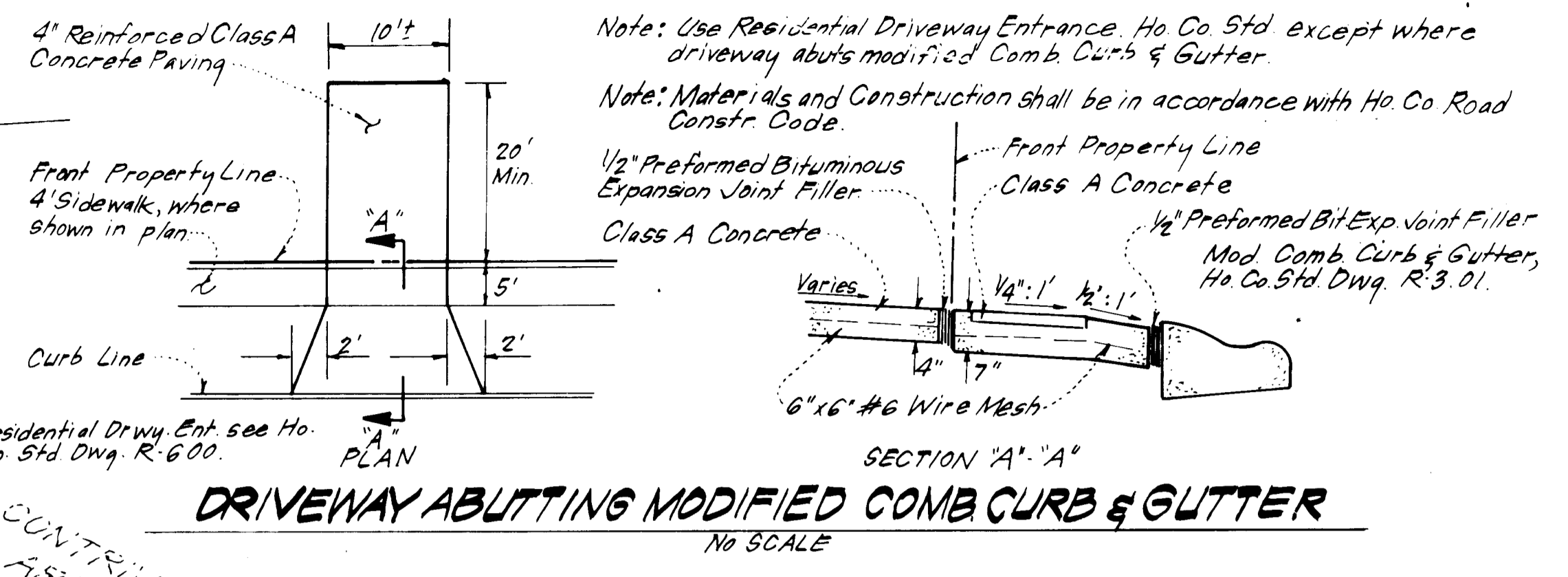
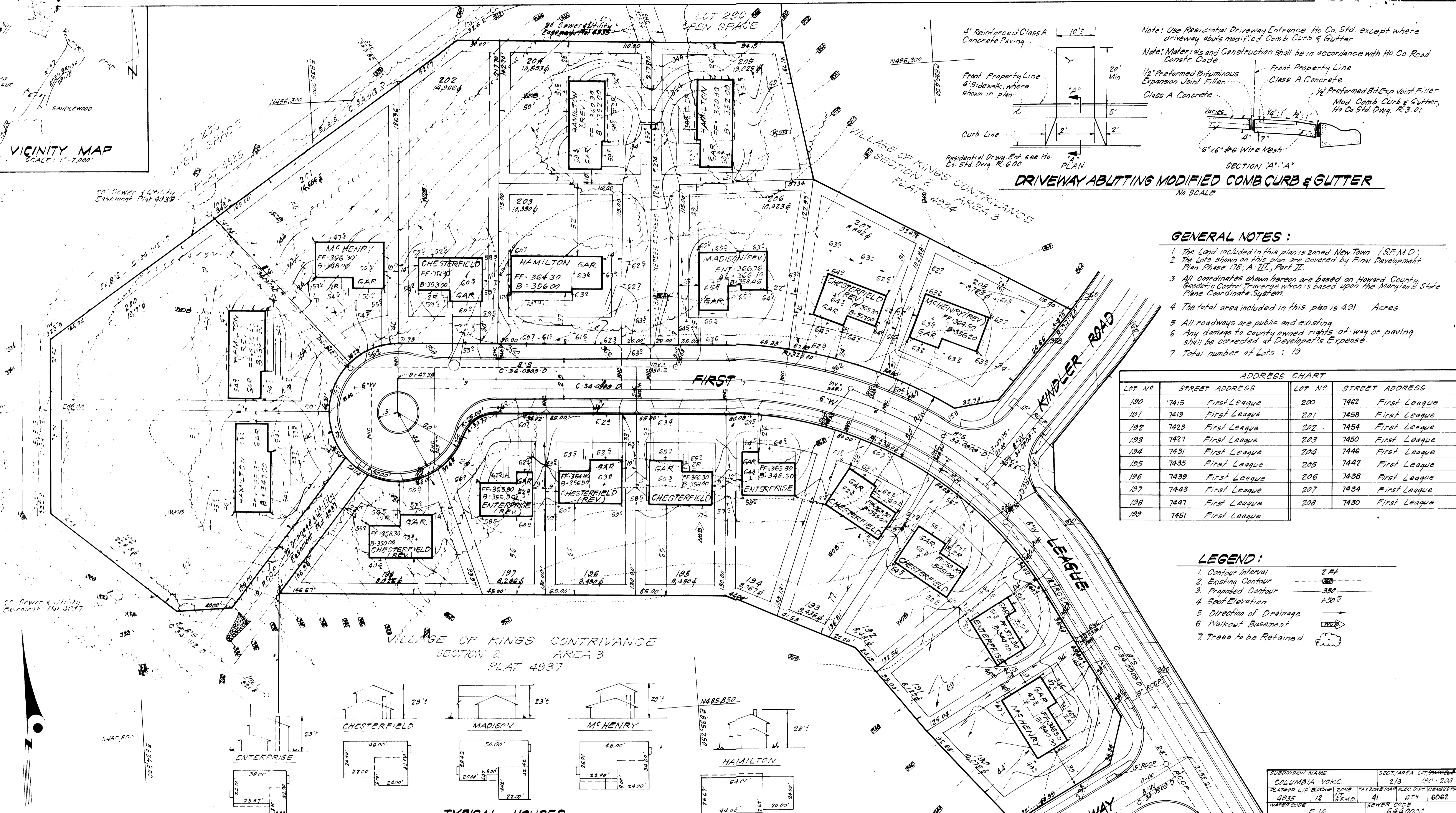


VICINITY MAP  
SCALE: 1"=2,000'

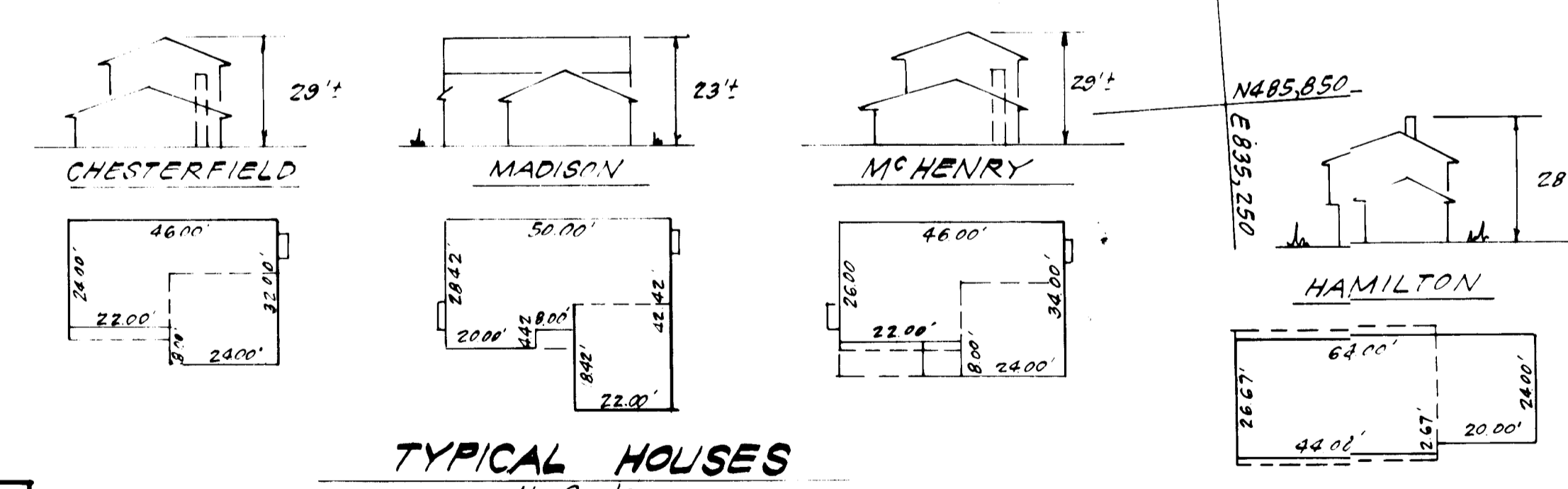


- GENERAL NOTES:**
1. The Land included in this plan is zoned New Town (S.F.M.D.)
  2. The Lots shown on this plan are covered by Final Development Plan Phase 178, A, III, Part II.
  3. All coordinates shown hereon are based on Howard County Geodetic Control Traverse which is based upon the Maryland State Plane Coordinate System.
  4. The total area included in this plan is 4.91 Acres.
  5. All roadways are public and existing.
  6. Any damage to county owned rights-of-way or paving shall be corrected at Developer's Expense.
  7. Total number of Lots: 19.

ADDRESS CHART

LOT NO.	STREET ADDRESS	LOT NO.	STREET ADDRESS
190	7415 First League	200	7462 First League
191	7419 First League	201	7458 First League
192	7423 First League	202	7454 First League
193	7427 First League	203	7450 First League
194	7431 First League	204	7446 First League
195	7435 First League	205	7442 First League
196	7439 First League	206	7438 First League
197	7443 First League	207	7434 First League
198	7447 First League	208	7430 First League
199	7451 First League		

- LEGEND:**
1. Contour Interval 2 FT.
  2. Existing Contour
  3. Proposed Contour
  4. Spot Elevation 1.50±
  5. Direction of Drainage
  6. Walkout Basement
  7. Tree to be Retained



SUBDIVISION NAME	SECTION	AREA	LOT#	PARCELS#
COLUMBIA - VOKC	213		190-208	
PLAT/BLK/L/F/BLOCK#	ZONE	TAX/2ND MARYLND. DIST	DEVELOPER	
4935	12	6EMD	41	674
WATER CODE	E 16	SEWER CODE	644.0000	

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
1-9-87

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
1-10-84

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
1-6-84

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 11-2-83

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

DESIGNED: J.M.E.  
DRAWN: V.L.B.  
CHECKED: J.M.E.  
DATE: 10-3-83

SCALE: 1"=30'  
DRAWING: 1 OF 3  
JOB NO: 83-055  
FILE NO: 83-055-X

SITE DEVELOPMENT PLAN  
LOTS 190 THRU 208  
**COLUMBIA**  
VILLAGE OF KINGS CONTRIVANCE  
SECTION 2  
6TH ELECTION DISTRICT AREA 3  
HOWARD COUNTY, MARYLAND

FOR: The Ryland Group, Inc.  
One Kroll North Drive, Suite 503  
Columbia, Maryland 21045

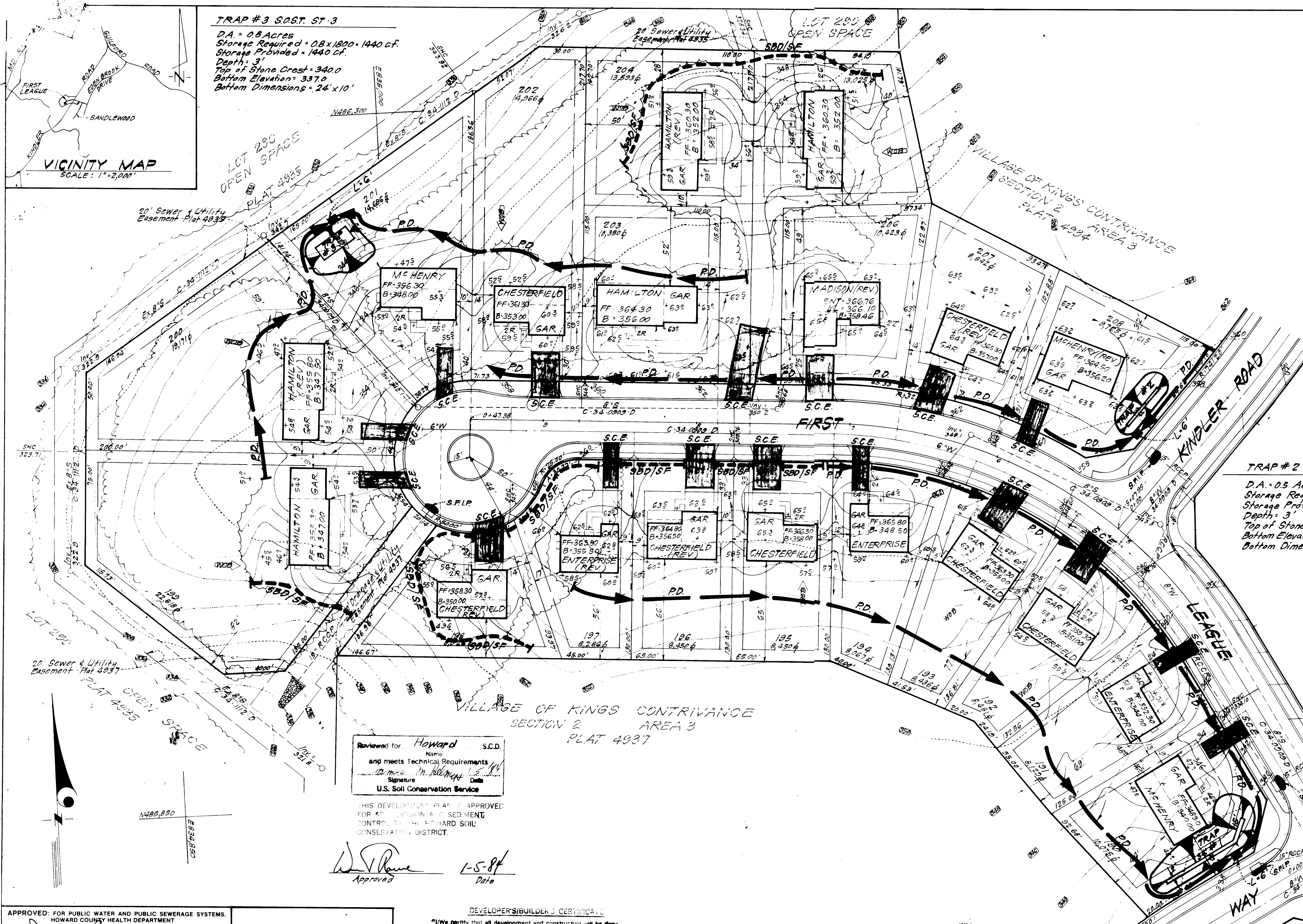
NOTE: Public Water & Sewer shown for Reference Only. For more detailed information - See Water & Sewer plans Contract No. C-34-0920-D and Contract No. C-34-1112-D.

SDP-84-81

**TRAP #3 S.O.S.T. ST-3**  
 D.A. = 0.8 Acres  
 Storage Required =  $0.8 \times 1800 = 1440$  cf.  
 Storage Provided = 1440 cf.  
 Depth = 3'  
 Top of Stone Crest = 340.0  
 Bottom Elevation = 337.0  
 Bottom Dimensions = 24' x 10'

- LEGEND:**
1. Contour Interval 2 Ft.
  2. Existing Contour
  3. Proposed Contour 350
  4. Spot Elevation +50.5
  5. Direction of Drainage
  6. Walkout Basement
  7. Trees to be Retained
  8. Perimeter Dike PD
  9. Strawbale Dike/Silt Fence SBD/SF
  10. Stone Construction Entrance S.C.E.
  11. Sediment Trap
  12. Stone Filter Inlet Protection S.F.I.P.

**VICINITY MAP**  
 SCALE: 1" = 2,000'



**TRAP #2 S.O.S.T. ST-3**  
 D.A. = 0.5 Acre  
 Storage Required =  $0.5 \times 1800 = 900$  cf.  
 Storage Provided = 912 cf.  
 Depth = 3'  
 Top of Stone Crest = 359.0  
 Bottom Elevation = 356.0  
 Bottom Dimensions = 2' x 32'

**TRAP #1 S.O.S.T. ST-3**  
 D.A. = 1.0 Acre  
 Storage Required =  $1.0 \times 1800 = 1800$  cf.  
 Storage Provided = 1800 cf.  
 Depth = 3'  
 Top of Stone Crest = 339.0  
 Bottom Elevation = 336.0  
 Bottom Dimension = See Plan.

Reviewed for Howard S.C.D.  
 Name  
 and meets Technical Requirements  
 Signature [Signature] Date 5-94  
 U.S. Soil Conservation Service

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

[Signature] Approved 1-5-84 Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
[Signature] 1-9-84  
 COUNTY HEALTH OFFICER DATE  
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
[Signature] 1-10-84  
 PLANNING DIRECTOR DATE  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
[Signature] 1-6-84  
 DIRECTOR DATE  
[Signature] 1-6-84  
 CHIEF BUREAU OF ENGINEERING DATE

APPROVED  
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 11-2-83  
[Signature]

**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 in 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."  
Maurice M. Simpkins 10-4-83 Date  
 Developer/Builder  
 Maurice M. Simpkins

**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 10-3-83 Date  
 Professional Engineer



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

DESIGNED	J.L.S.	SCALE	1" = 30'
DRAWN	V.L.B.	DRAWING	2 OF 3
CHECKED	J.L.S.	JOB NO.	83-055
DATE	10-3-83	FILE NO.	83-055SL

**SEDIMENT & EROSION CONTROL PLAN**  
 LOTS 190 THRU 208  
**COLUMBIA**  
 VILLAGE OF KINGS CONTRIVANCE SECTION 2 ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 FOR: The Ryland Group, Inc. One Knoll North Drive, Suite 503 Columbia, Maryland 21045

NOTE: Public Water & Sewer shown for Reference Only. For more detailed information See Water & Sewer plans Contract No. C-34-0909-1P and Contract No. C-34-1112-D.

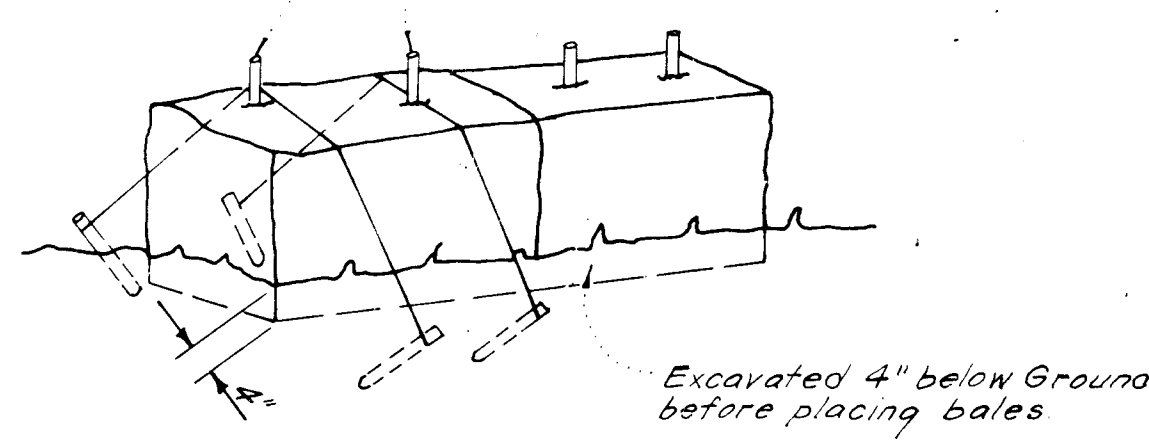
SDP-84-81

**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 - type 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 - type
  - Fertilizer - 10-10-10 applied at a rate of 23 lbs/1000 sf. Ground Agriculture Lime or Dolomitic Lime applied at a rate of 20 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 i.e.; asphalt tacks, chemical broom etc.
  - All Sod used shall be Maryland State Certified
- All structural Sediment Control Measures are to remain in place until permits 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 to or from this site.
- All pipes to be blocked at the end of each day. See detail this sheet N/A
- Total Amount of Straw Bales or Silt Fence shown = 611 L.F.
- SITE ANALYSIS:
  - Total Area: 4.91 Acres
  - Area to be Roofed: 0.640 Acres
  - Area to be Paved: 0.356 Acres
  - Area to be Seeded: 2.145 Acres
  - Area Undisturbed: 1.760 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-Sold" basis at random, Single Lot Sediment Control, as shown on this sheet, shall be implemented.

Bales shall be tied with non-weathering materials, i.e. wire nylon

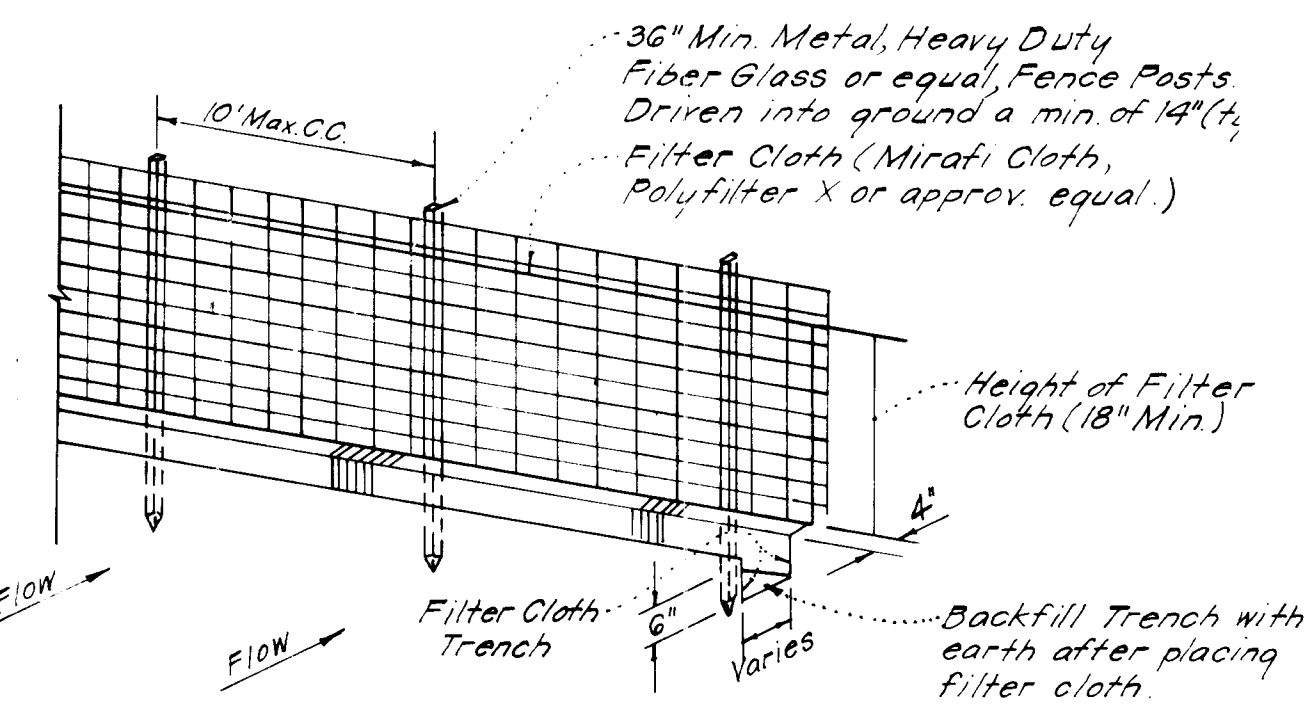
Two rebars or wooden stakes driven through each hole 1 1/2" - 2" into ground. Rebars to be driven flush with top of bales



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

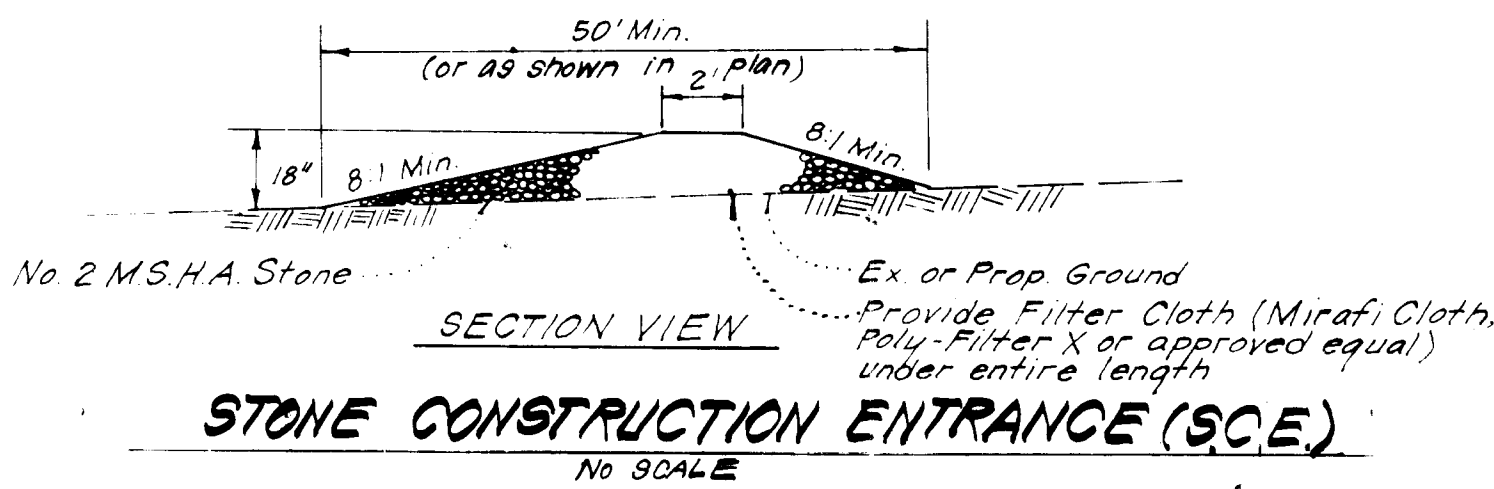
**STRAW BALE DIKE DETAIL (S.B.D.)**  
No SCALE

Woven wire fence - Min 14 gages;  
6" Max spacing

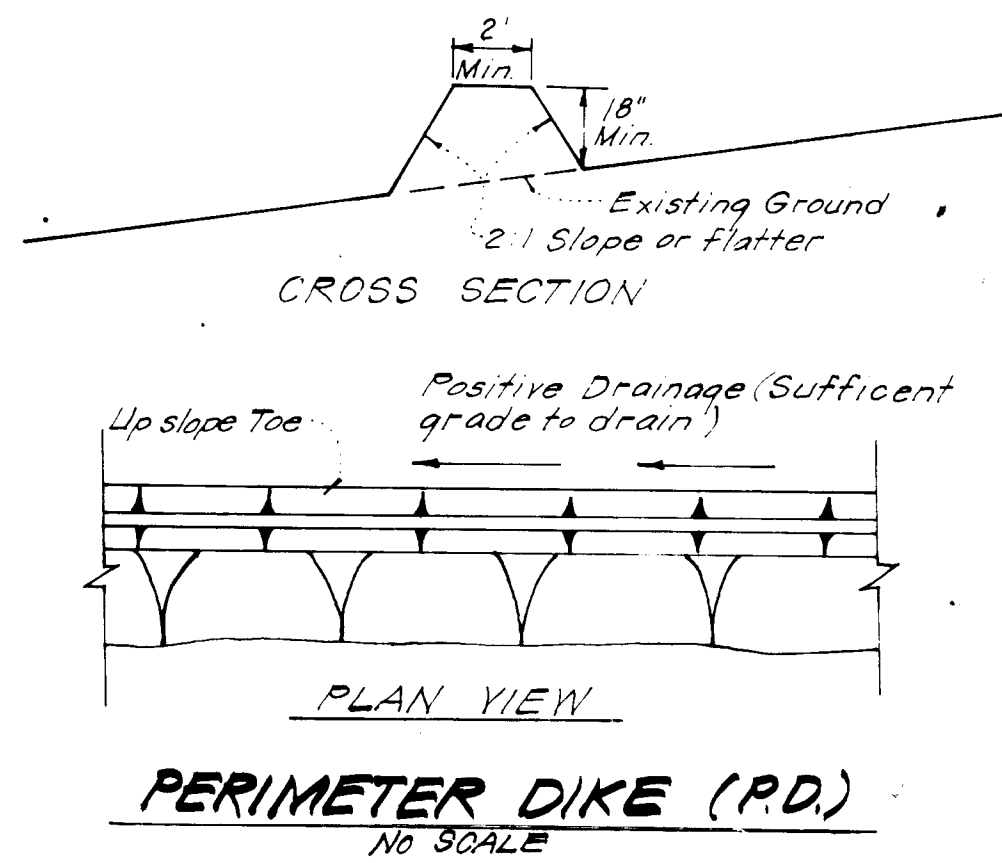


Notes:  
1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties  
2. Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24" x 24"

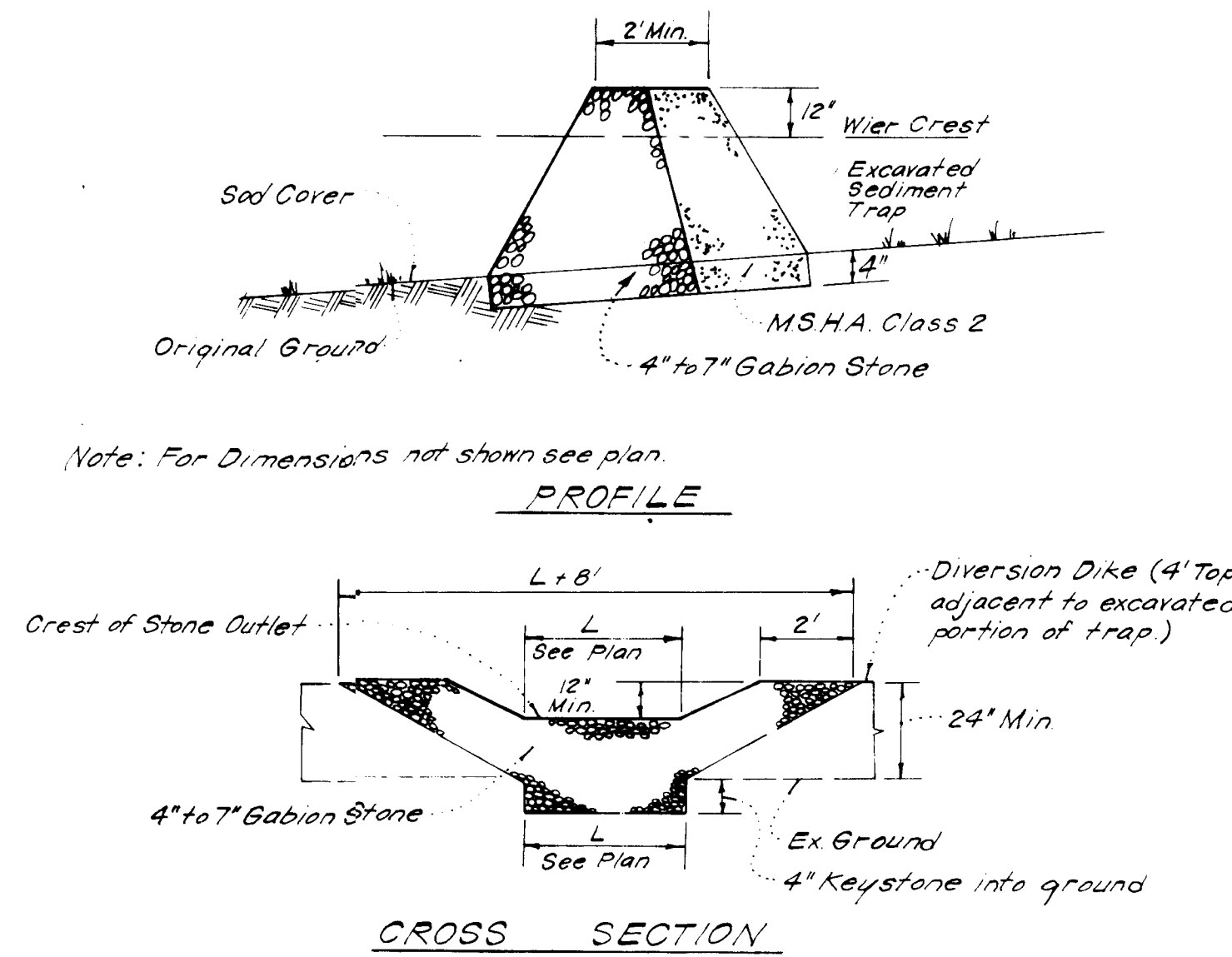
**SILT FENCE DETAIL (S.F.)**  
No SCALE



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

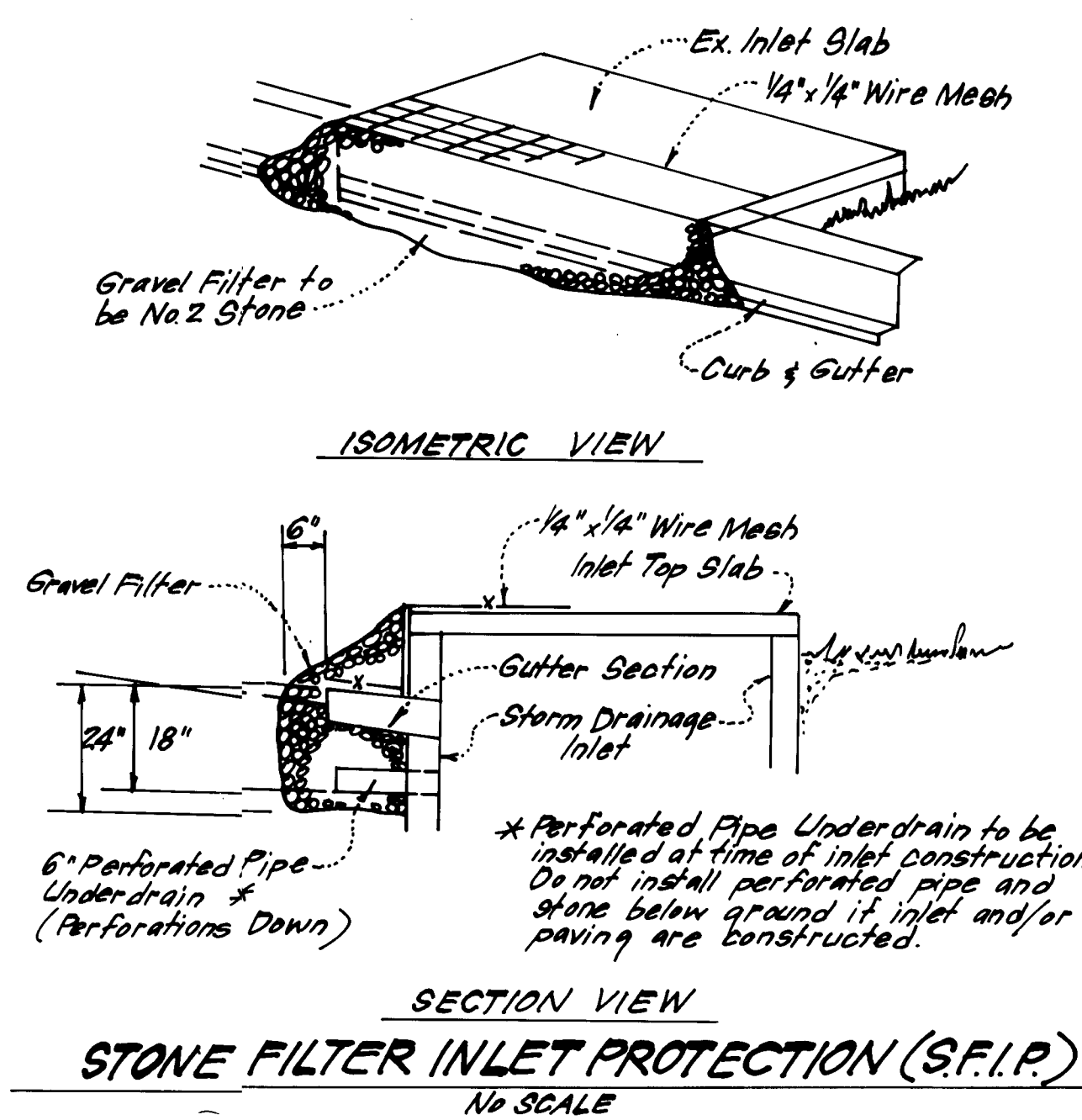


**PERIMETER DIKE (P.D.)**  
No SCALE

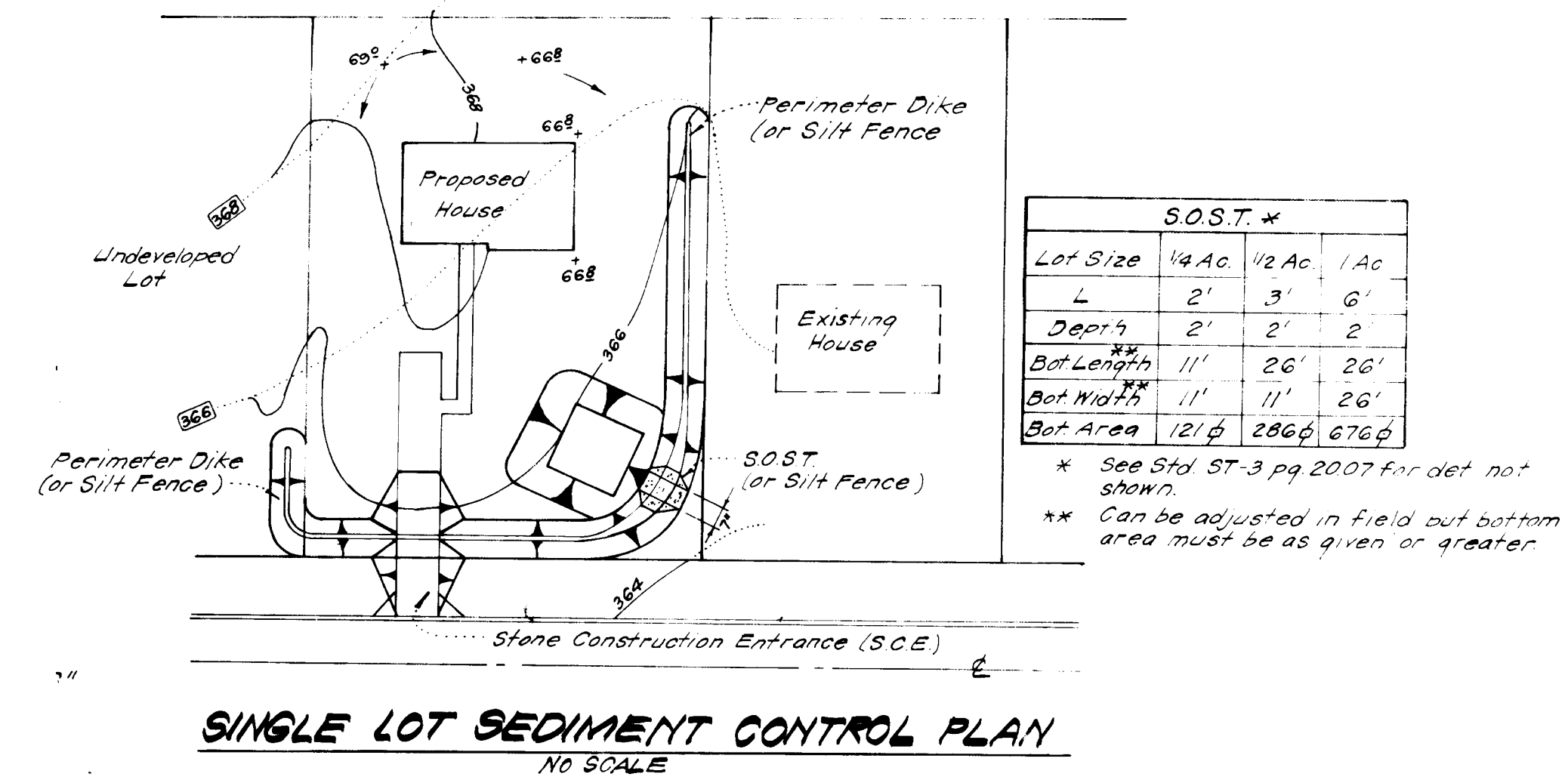


Notes:  
1. Sediment Trap to be cleaned out when sediment reaches a level of 1ft below crest of stone outlet.  
2. Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.  
3. Stone Outlet to be constructed through diversion dike adjacent to excavated.

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



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



**SINGLE LOT SEDIMENT CONTROL PLAN**  
No SCALE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: John B. Lucas DATE: 1-9-84

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: Thomas M. Harrison DATE: 1-10-84  
 CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION: Thomas M. Harrison DATE: 1-10-84

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: Walter F. Neuman DATE: 1-6-84  
 CHIEF BUREAU OF ENGINEERING: Walter F. Neuman DATE: 1-6-84

**APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION HOWARD COUNTY, MARYLAND**  
 DATE: 11-2-83

Reviewed for: Howard S.C.D. Name  
 and meets Technical Requirements  
 Signature: James M. Nelson DATE: 1/5/84  
 U.S. Soil Conservation Service

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

Approved: Walter F. Neuman DATE: 1-5-84

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 in a School of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I/we authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

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.

Developer/Builder: Maurice M. Simpkins DATE: 10-4-83  
 Engineer: G. Nelson Clark DATE: 10-3-83

**CLARK • FINECROCK & SACKETT**  
 ENGINEERS • PLANNERS • SURVEYORS  
 11315 LOCKWOOD DRIVE • BELLEVILLE, MARYLAND 21034 • (410) 541-1111

DESIGNED: J.L.S.  
 DRAWN: V.L.B.  
 CHECKED: J.L.S.  
 DATE: 10-3-83

**SEDIMENT & EROSION CONTROL PLAN**  
 LOTS 190 THRU 208  
**COLUMBIA**  
 VILLAGE OF KINGS CONTRIVANCE  
 SECTION 2  
 6TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

FOR: The Ryland Group, Inc.  
One Kroll North Drive, Suite 503  
Columbia, Maryland 21045

SCALE: As Shown  
 DRAWING: 3 OF 3  
 JOB #: 83-055  
 SHEET: 83-055-S8

**SDP-84-81**