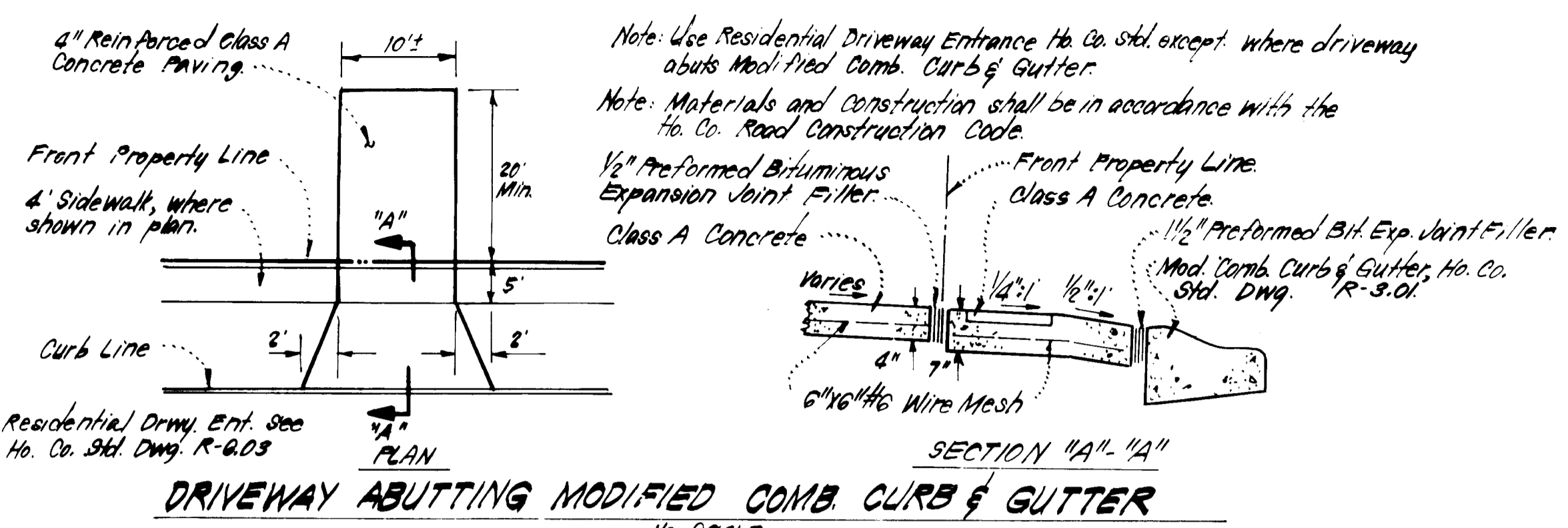


TYPICAL HOUSES  
NO SCALE



SECTION "A-A"  
DRIVEWAY ABUTTING MODIFIED COMB CURB & GUTTER  
NO SCALE

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
233	7358 NARROW WINDOW WAY
234	7354 " " "
235	7350 " " "
236	7346 " " "
237	7342 " " "
238	7338 " " "
462	7345 " " "
463	7341 " " "
464	7335 " " "
465	7331 " " "
466	7327 " " "
467	7323 " " "
468	7319 " " "
469	7315 " " "
470	7311 " " "

**GENERAL NOTES:**

- The Land included in this plan is zoned New Town (S.F.M.D.)
- The Lots shown on this plan are covered by Final Development Plan Phase 178, Part III.
- All coordinates shown hereon are based on Howard County Geodetic Control Traverse which is based upon the Maryland State Plane Coordinate system.
- The area covered is located on Tax Map No 42.
- The total area included in this plan is 3.371 Acres.
- All roadways are public and existing.
- Any damage to county owned rights-of-way or paving shall be corrected at the Developer's expense.
- Total Number of Lots: 15.

**LEGEND:**

- Contour Interval 2'
- Existing Contour 5'00
- Proposed Contour 3'00
- Spot Elevation 1'00
- Direction of Drainage
- Existing trees to be retained
- Walk-out Basement

NOTES: Public Water & Sewer shown for Reference Only. For more details in particular, see water & sewer plans Contract No. C-24-112-D.

SUBDIVISION NAME	COLUMBIA	SECT./AREA	2/3 PHS 2	LOT/PARCEL #	157 TM. 42
PLAT # OR LIT.	BLOCK #	ZONE	TAX/ZONE MAP	ELEC. DIST.	REBUS TR.
4992 & 5440	12 TM. 41	S.F.M.D.	42	G 22	6062
WATER CODE	E16	SEWER CODE	644 0000		

NO.	REVISION	DATE
1	Use Types revised on Lots 237 & 463 as per H.P.D.	7-21-83
2	Use Types revised on Lot 236 as per H.P.D.	8-12-83

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: [Signature] DATE: 8-29-83  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: [Signature] DATE: 8-29-83  
 CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMIN: [Signature] DATE: 8-25-83  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature] DATE: 8-25-83  
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 8-25-83

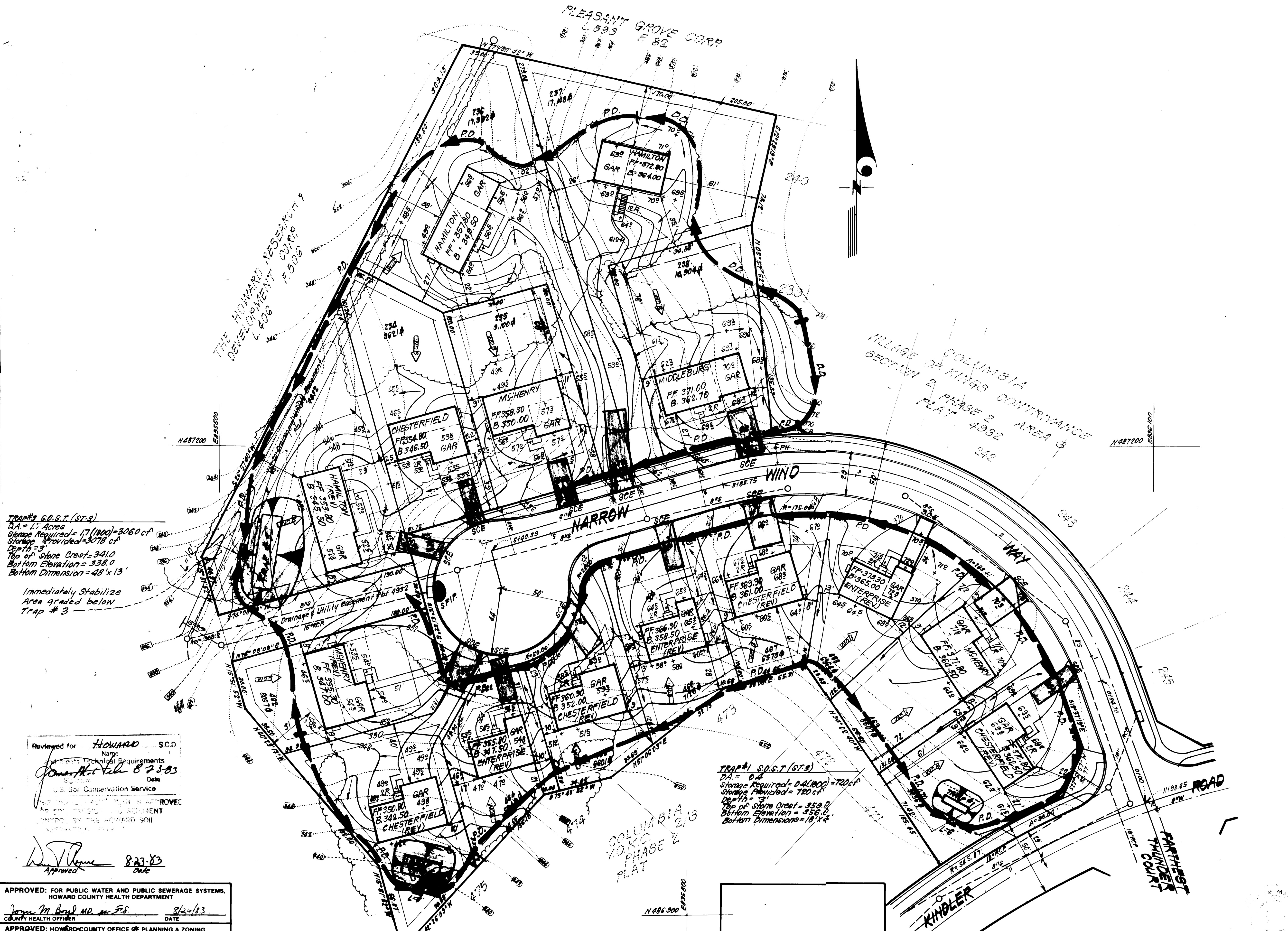
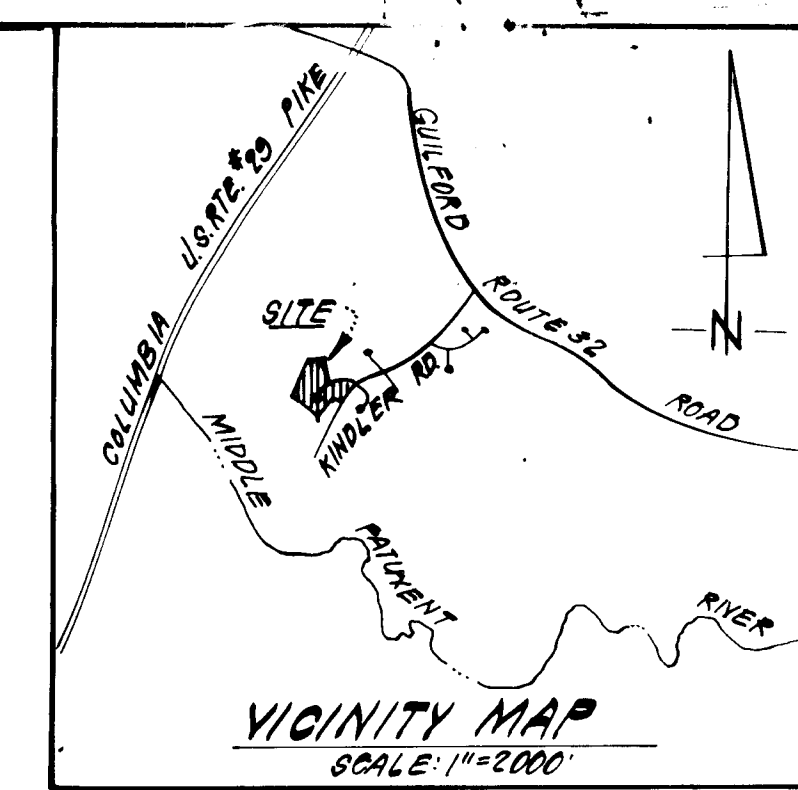
AND APPROVED:  
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
 HOWARD COUNTY  
 DATE: 8-8-83  
 [Signature]

[Signature]

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

DESIGNED	JME	SCALE	1" = 30'
DRAWN	KIW	DRAWING	10F3
CHECKED	JME	JOB NO.	83055
DATE	7-7-83	FILE NO.	83-055-X

FOR: THE RYLAND GROUP, INC.  
 ONE KNOLL NORTH #503  
 COLUMBIA, MD 21045



**TRAP#3 S.O.S.T. (ST-3)**  
 DA = 1.1 Acres  
 Storage Required = 17(100) = 3060 cf  
 Storage Provided = 3078 cf  
 Depth = 3'  
 Top of Stone Crest = 341.0  
 Bottom Elevation = 338.0  
 Bottom Dimensions = 48' x 13'  
 Immediately Stabilize Area graded below Trap # 3

**TRAP#1 S.O.S.T. (ST-3)**  
 DA = 0.4  
 Storage Required = 0.4(100) = 720 cf  
 Storage Provided = 720 cf  
 Depth = 3'  
 Top of Stone Crest = 359.0  
 Bottom Elevation = 356.0  
 Bottom Dimensions = 18' x 4'

**TRAP#2 S.O.S.T. (ST-3)**  
 DA = 0.3 Acres  
 Storage Required = 0.3(100) = 1620 cf  
 Storage Provided = 1620 cf  
 Depth = 3'  
 Top of Stone Crest = 340.0  
 Bottom Elevation = 337.0  
 Bottom Dimensions = 24' x 12'

- LEGEND:**
- Contour Interval 2'
  - Existing Contour
  - Proposed Contour
  - Spot Elevation 1605
  - Direction of Drainage
  - Existing Trees to be retained
  - Walk-out Basement
  - Perimeter Dike
  - Diversion Dike
  - Stone Filter Inlet Protection
  - Stone Construction Entrance
  - Sediment Trap

Reviewed for **HOWARD S.C.D.**  
 Name: **Howard S.C.D.**  
 Date: **8-23-83**  
 U.S. Soil Conservation Service  
 Approved: **W.D. [Signature]** 8-23-83 Date

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT**  
 County Health Officer: **James M. Boyd MD. Jr. F.S.** 8/20/83 Date  
**APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING**  
 Planning Director: **[Signature]** 8-29-83 Date  
 Chief Division of Land Development (ZONING ADMIN): **[Signature]** 8-29-83 Date  
**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC WORKS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS**  
 Director: **Shirley F. Neuman** 8-25-83 Date  
 Chief Bureau of Engineering: **[Signature]** 8-25-83 Date

**8-8-83**

**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 and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

**[Signature]** 7-6-83 Date  
 G. Nelson, P.E.

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 of this project will have a Certificate of Attendance in a Dept. of Natural Resources Approved Training Program for the Control of Sedimentation 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.

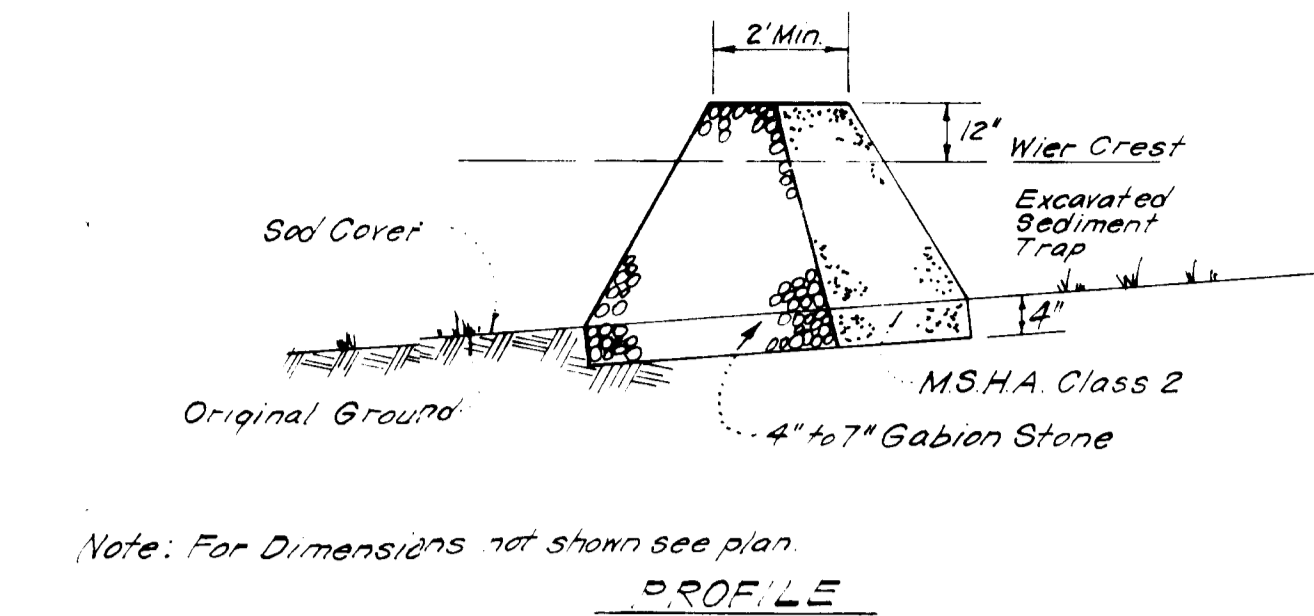
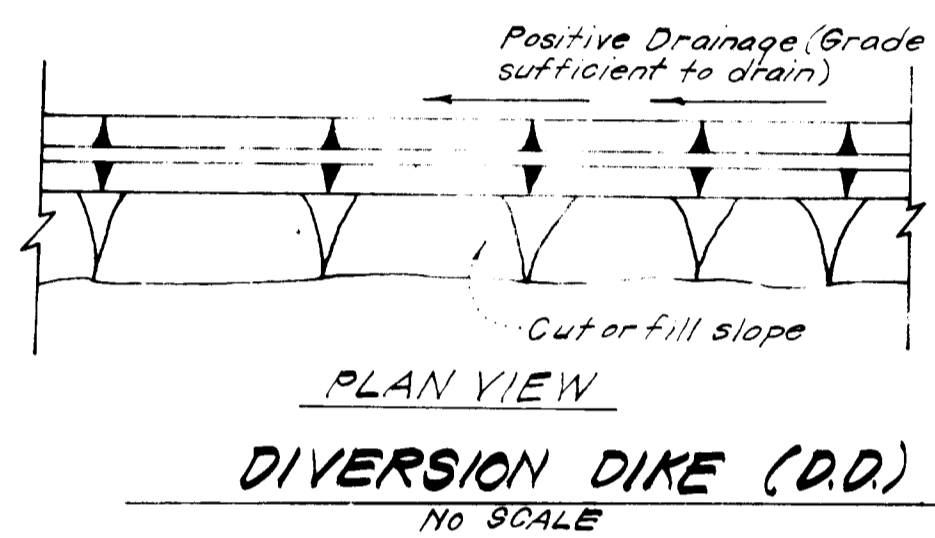
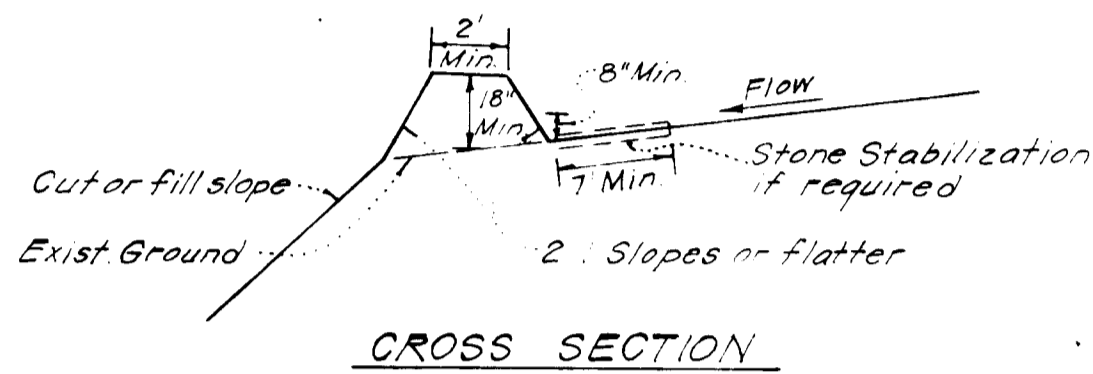
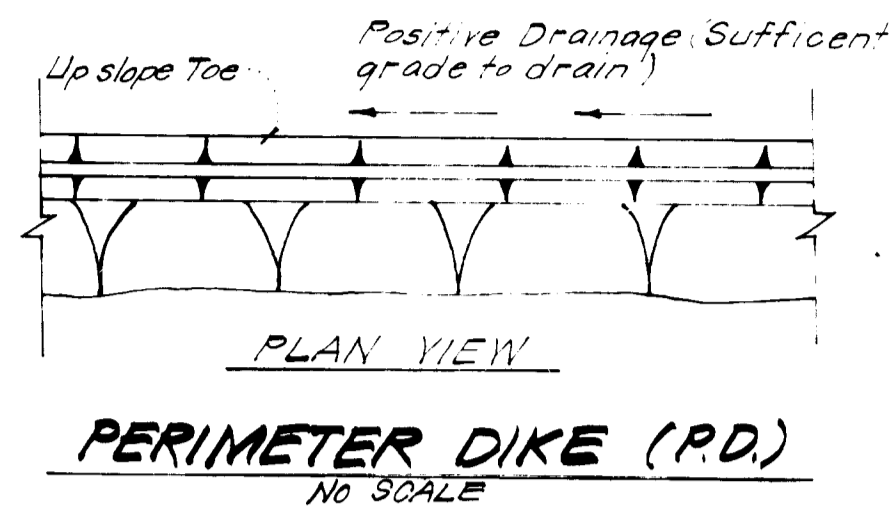
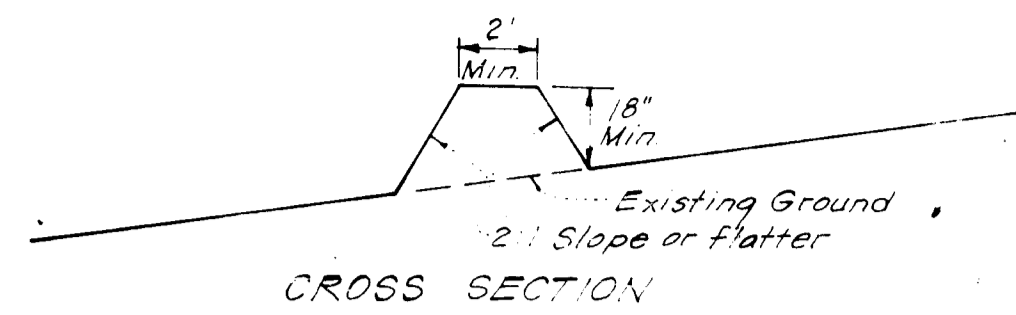
**[Signature]** 7-7-83 Date  
 Maurice M. Simpkins  
 Signature of Developer/Builder

<b>CLARK • FINEFROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 11515 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED	<b>SEDIMENT &amp; EROSION CONTROL PLAN</b> LOTS 239-238 & 462-470 <b>COLUMBIA</b> VILLAGE OF KING'S CONTRIVANCE SECTION 2, AREA 3, PHASE 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE
VLS		1"=30'
DRAWN	FOR: THE RYLAND GROUP, INC. ONE KNOLL NORTH #503 COLUMBIA, MD. 21045	DRAWING
KIW		2-353
CHECKED	DATE: 8/16-83	JOB NO.
VLS		83055
DATE		FILE NO.
8/16-83		83-055-5E

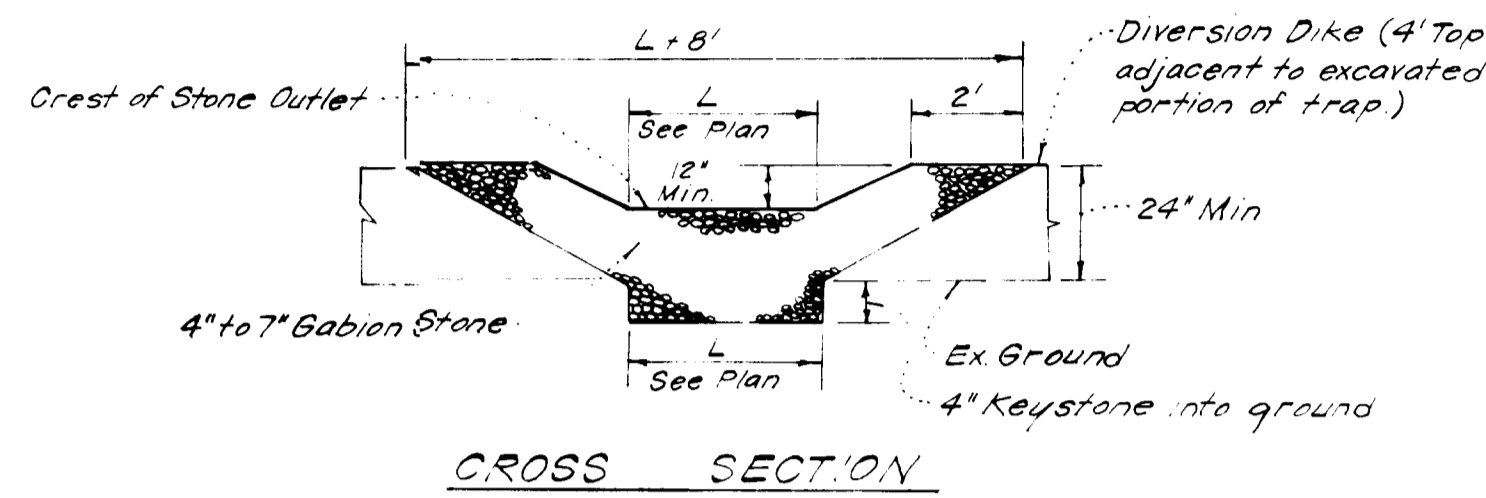
SDP-84-10.

**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 and 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 31 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 90 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 e.g. asphalt tacks, chemical binder 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 include a 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 = None =
- SITE ANALYSIS:**
  - Total Area: 3.371 Acres
  - Area to be Roofed: 0.487 Acres
  - Area to be Paved: 0.297 Acres
  - Area to be Seeded: 1.948 Acres
  - Area Undisturbed: 0.639 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-Built" basis at random, Stone Filter Sediment Control as shown on this sheet, shall be implemented.

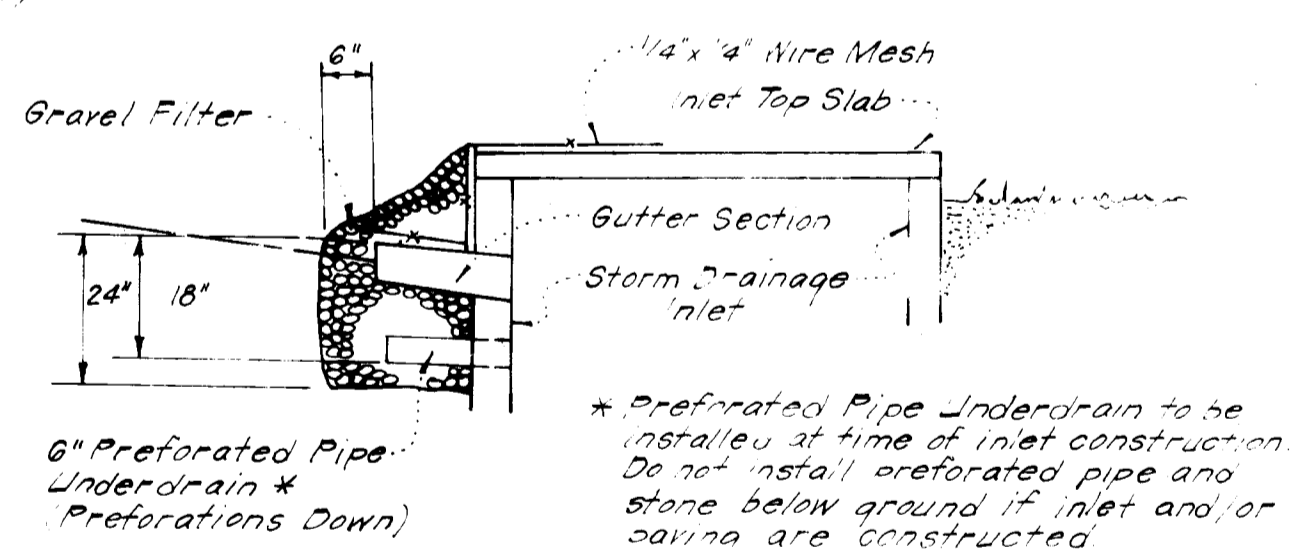
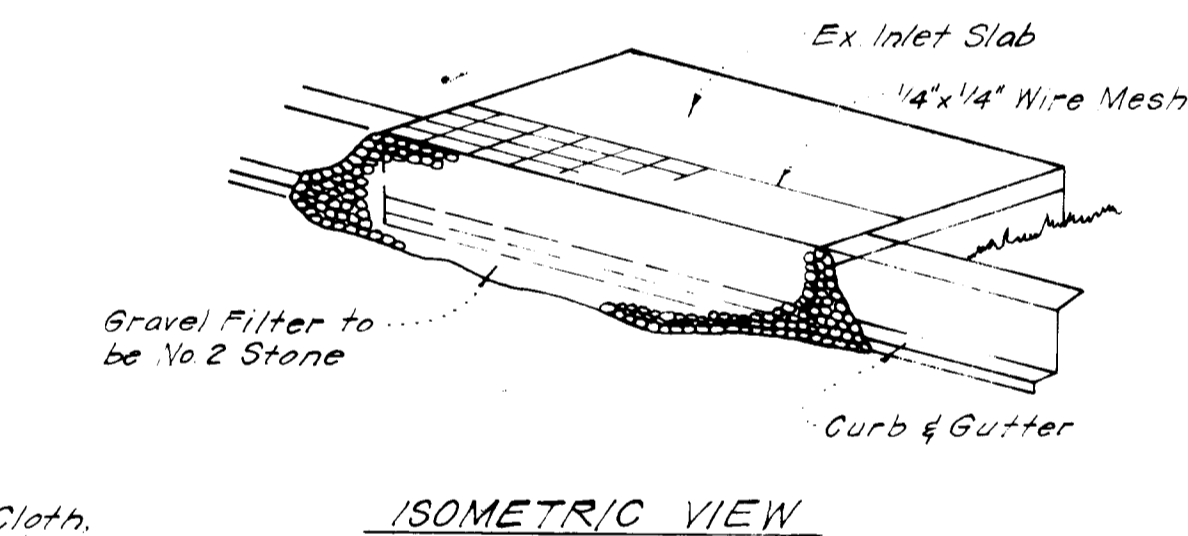
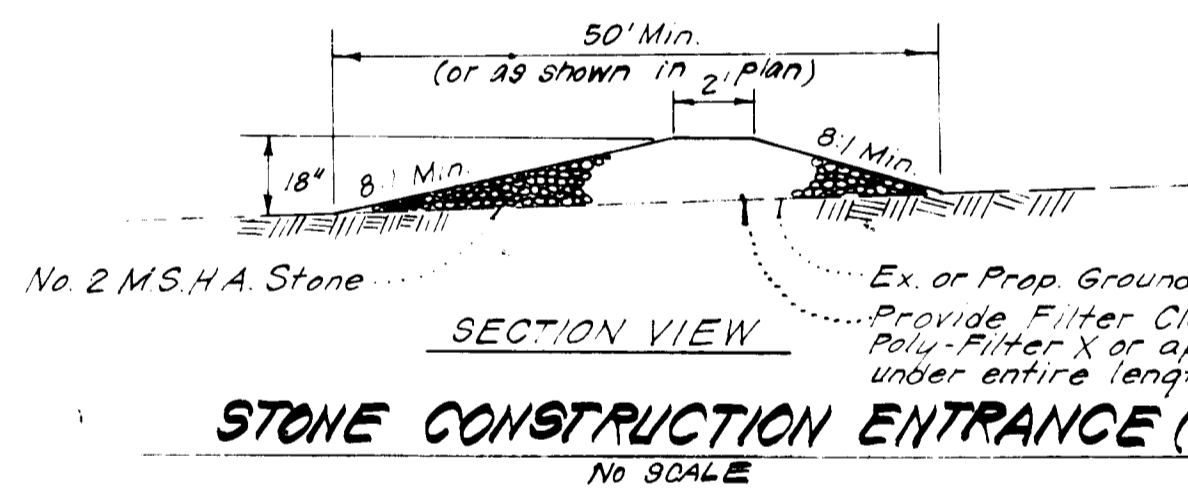


Note: For Dimensions not shown see plan

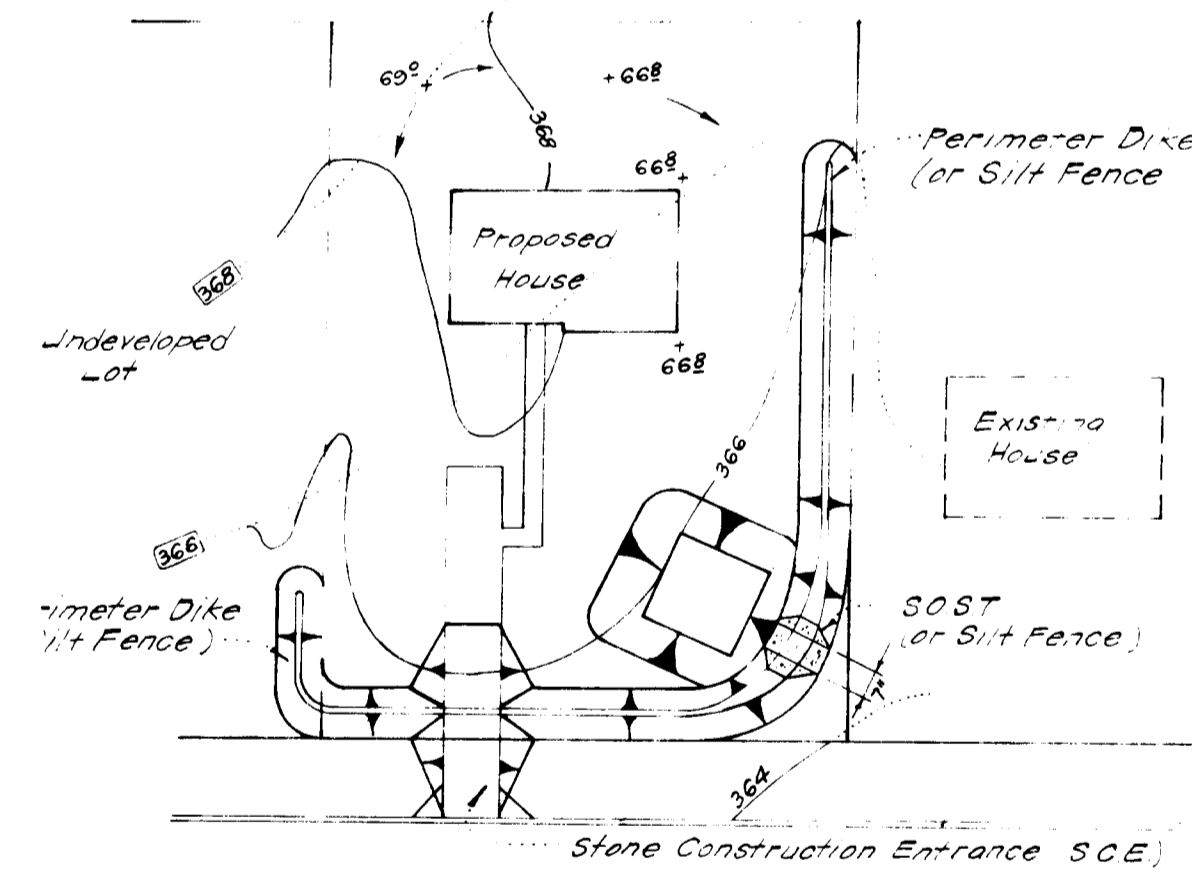


- Notes:**
- Sediment Trap to be cleaned out when sediment reaches a level of 1ft below crest of stone outlet.
  - Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.
  - Stone Outlet to be constructed through diversion dike adjacent to excavated.

**DETAILS OF STONE FILTER OUTLET FOR STONE TRAP**  
NO SCALE



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



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

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

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

Reviewed for **APPROVED** SCD

8-23-83

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

DEVELOPER'S/BUILDER'S CERTIFICATION

We certify that all development and construction will be done in accordance with the plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project are duly licensed and qualified in the State of Maryland.

Maurice M. Simpkins 7-7-83

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

G. Nelson Clark 7-6-83

CLARK • FINEFROCK & SACKETT  
ENGINEERS • PLANNERS • SURVEYORS

DESIGNED: JLB  
DRAWN: KIW  
CHECKED: JLB  
DATE: 8-16-83

SEDIMENT & EROSION CONTROL PLAN  
LOTS 233-238 of 462-470  
**COLUMBIA**  
VILLAGE OF KINGS CONTRIVANCE  
SECTION 2, AREA 3, PHASE 2  
6TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: THE RYLAND GROUP INC  
ONE HULL NORTH # 503  
COLUMBIA, MD 21045

SCALE: AS SHOWN  
JOB NO: 83-055  
DATE: 83-055-02

APPROVED  
DIVISION OF LAND USE  
ZONING PERMITS  
HOWARD COUNTY  
DATE: 8-8-83