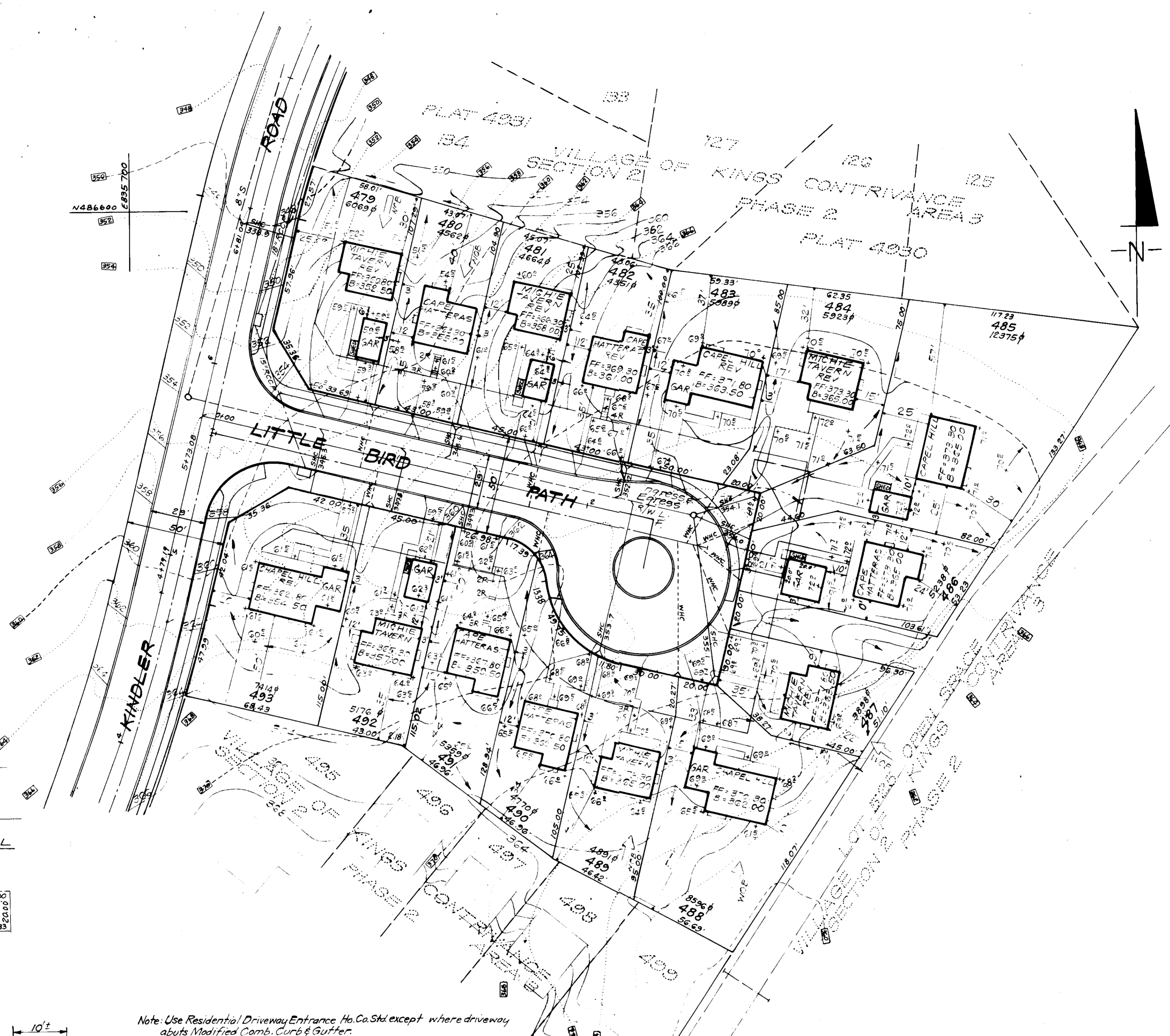
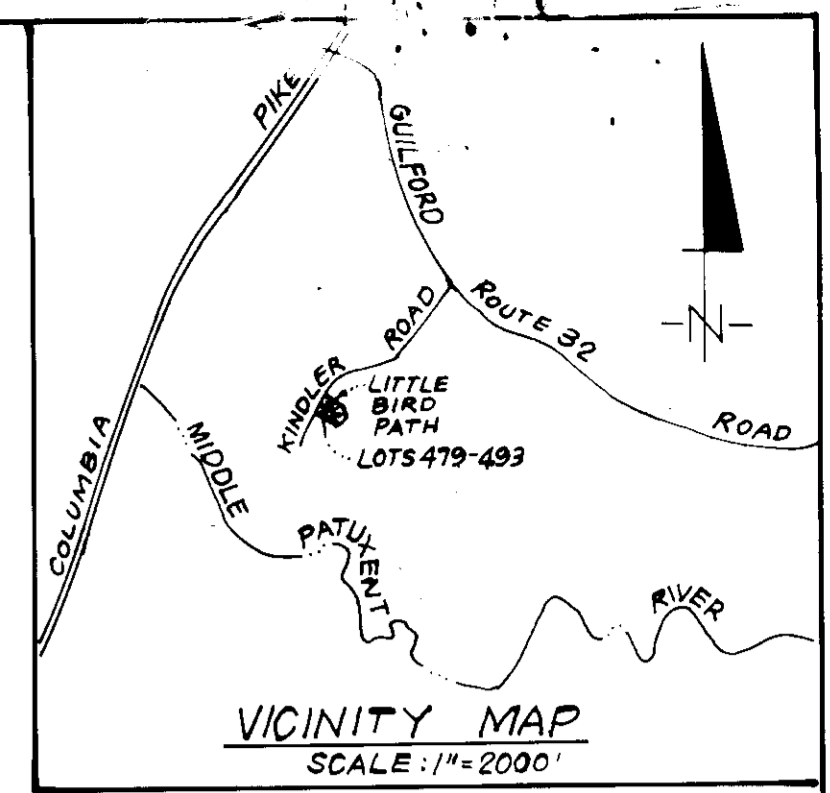


LEGEND:

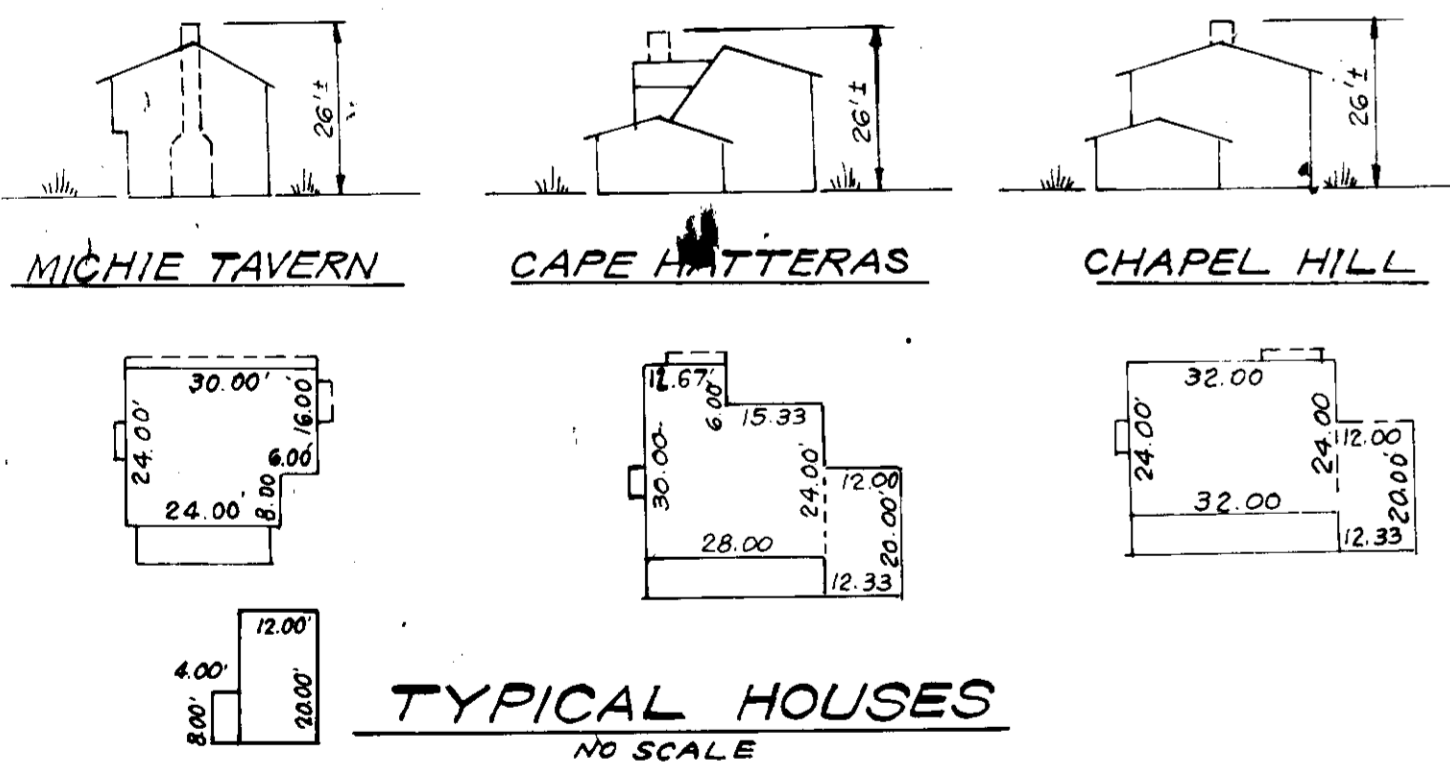
- 1. Contour Interval 2 Ft
- 2. Existing Contour
- 3. Proposed Contour
- 4. Spot Elevation +60.5
- 5. Direction Of Drainage
- 6. Walk Out Basement



GENERAL NOTES

1. The Land included in this plan is zoned New Town (SFMD).
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 area covered is located on Tax Map No. 42.
5. The total area included in this plan is 2.050 Acres.
6. All roadways are public and existing.
7. Any damage to county owned rights-of-way or paving shall be corrected at the Developer's expense.
8. Total Number of Lots : 15

ADDRESS CHART	
LOT NO.	STREET ADDRESS
479	1301 LITTLE BIRD PATH
480	1305 " " "
481	1309 " " "
482	1313 " " "
483	1317 " " "
484	1321 " " "
485	1325 " " "
486	1329 " " "
487	1333 " " "
488	1337 " " "
489	1341 " " "
490	1345 " " "
491	1349 " " "
492	1353 " " "
493	1357 " " "

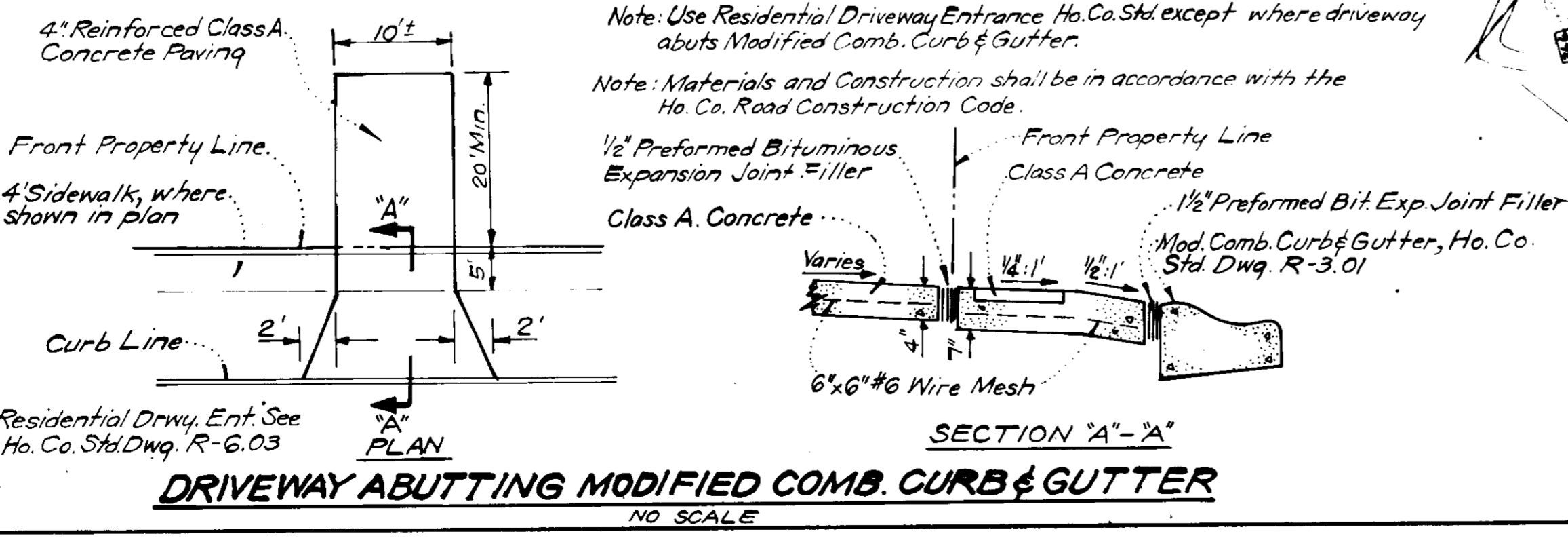


TYPICAL GARAGE AND SHED

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER *[Signature]* DATE 8-24-83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR *[Signature]* DATE 8-25-83
 CHIEF DIVISION OF LAND DEV & ZONING ADMIN. 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 8-14-83
 CHIEF BUREAU OF ENGINEERING DATE 8-24-83

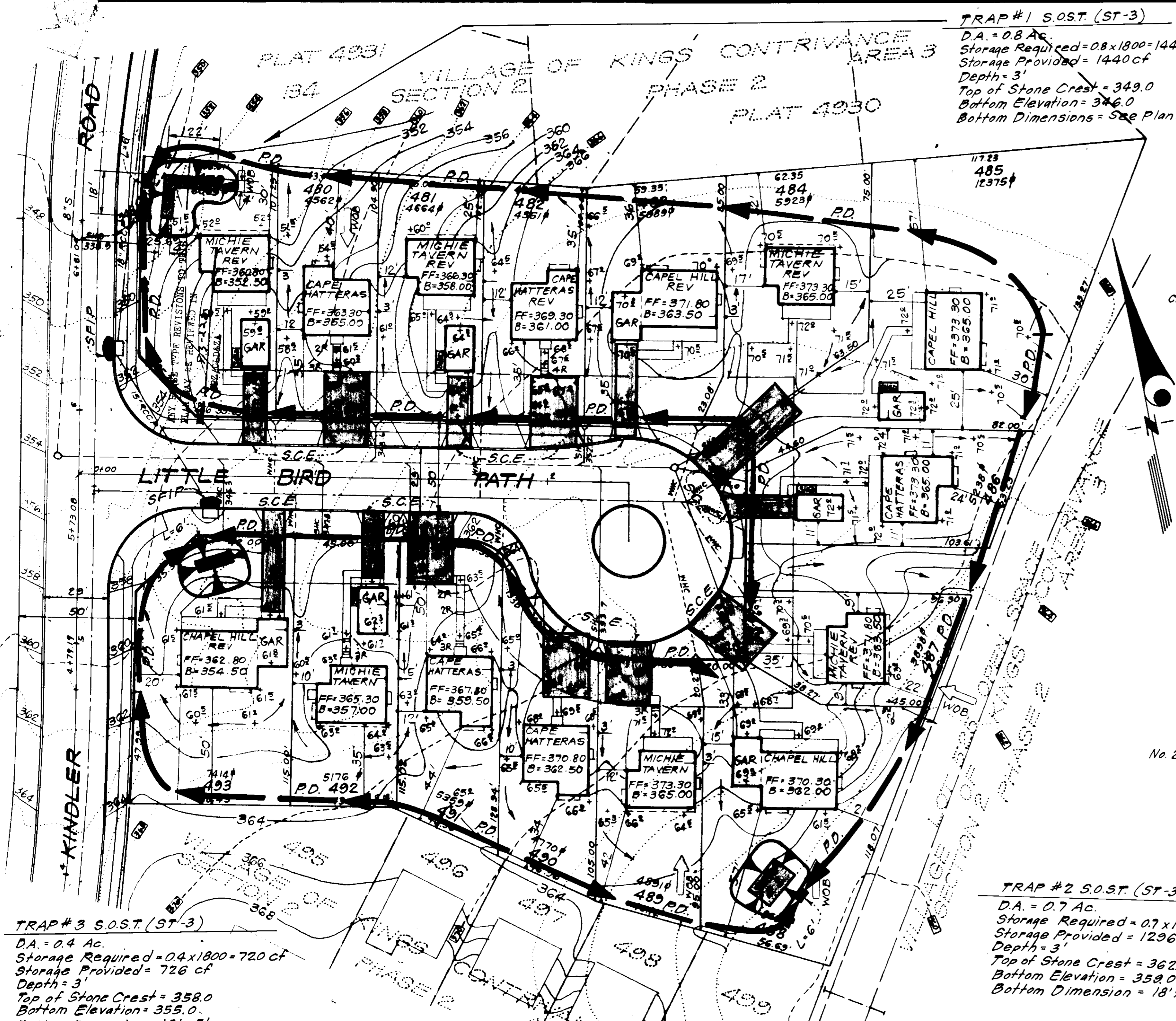


Note: Use Residential Driveway Entrance Ho. Co. Std. except where driveway abuts Modified Comb. Curb & Gutter.
 Note: Materials and Construction shall be in accordance with the Ho. Co. Road Construction Code.

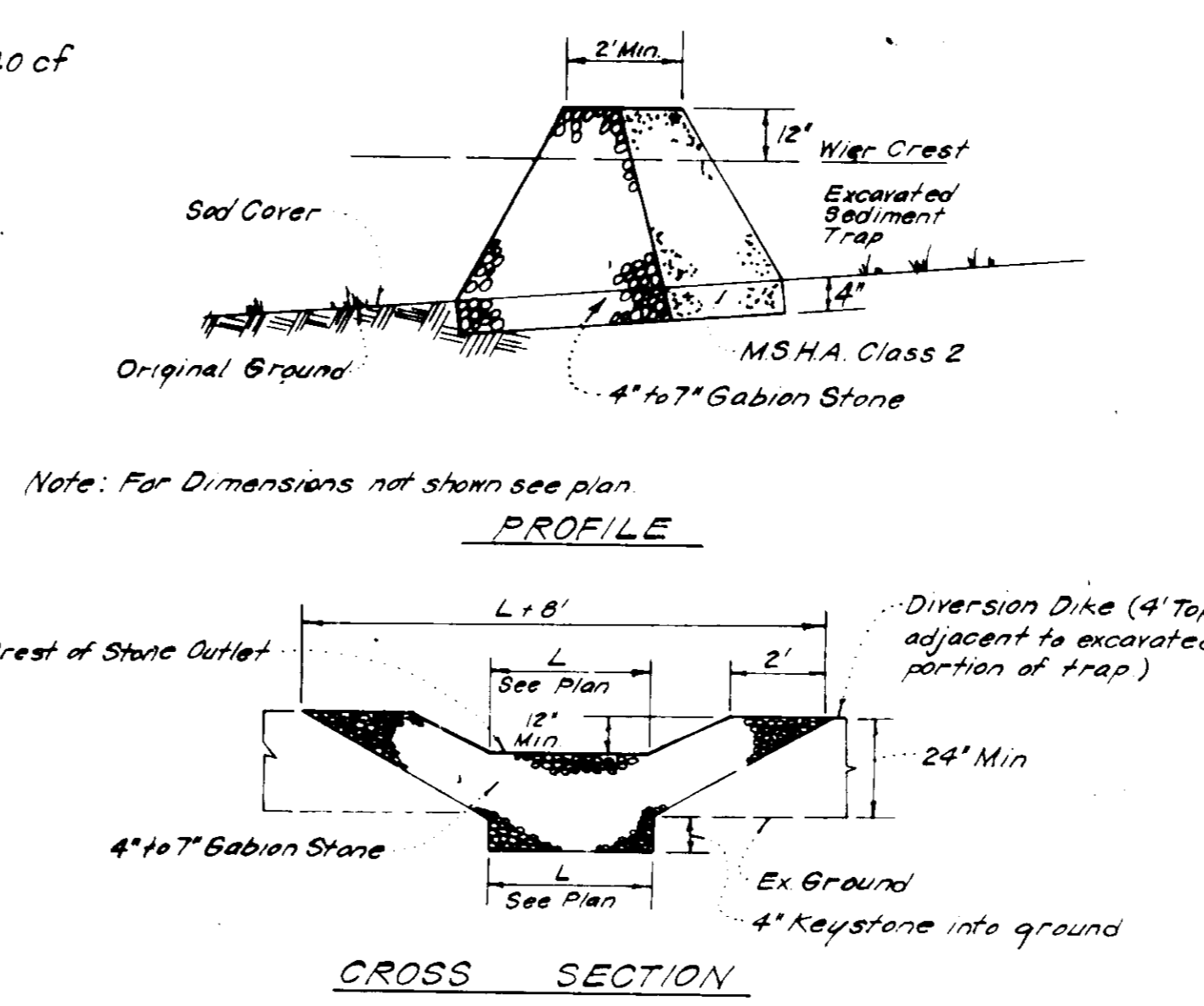
APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 8-10-82
[Signature]

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

DESIGNED J.M.E.	SITE DEVELOPMENT PLAN LOTS 479 THRU 493 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 2, AREA 3 PHASE 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN J.M.E.		DRAWING 1 OF 2
CHECKED K.W.C.		JOB NO. 83-055
DATE 6-24-83		FILE NO. 83-055X
FOR: THE RYLAND GROUP, INC. ONE KNOLL NORTH # 503 COLUMBIA, MARYLAND 21045		

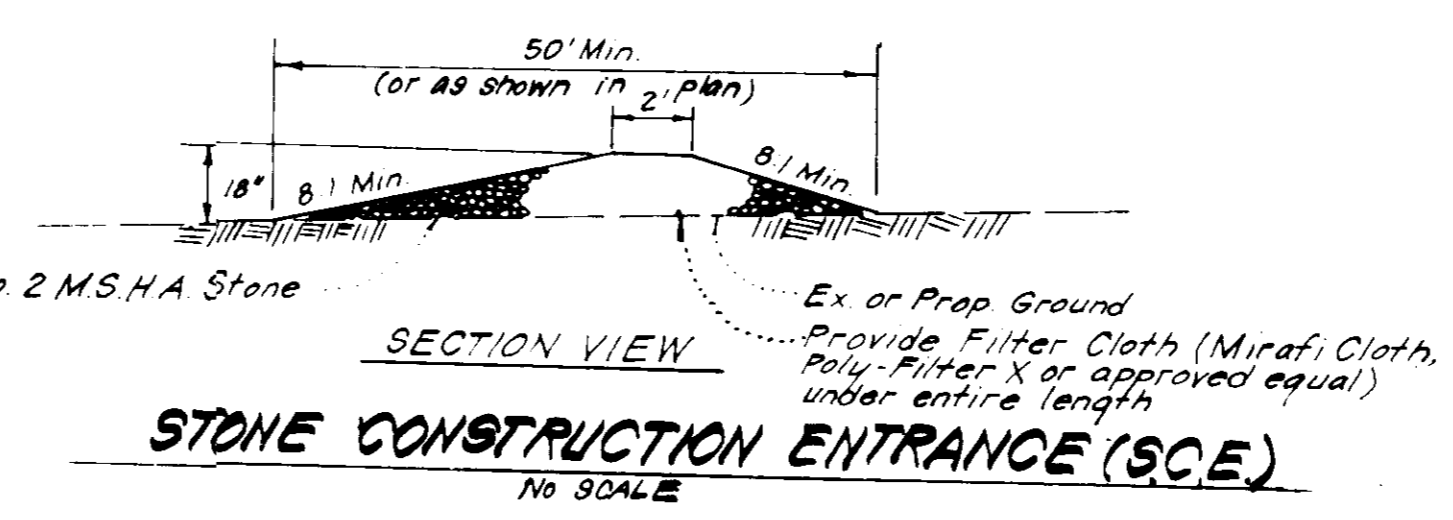


TRAP #1 S.O.S.T. (ST-3)
 D.A. = 0.8 Ac.
 Storage Required = 0.8 x 1800 = 1440 cf
 Storage Provided = 1440 cf
 Depth = 3'
 Top of Stone Crest = 349.0
 Bottom Elevation = 346.0
 Bottom Dimensions = See Plan.



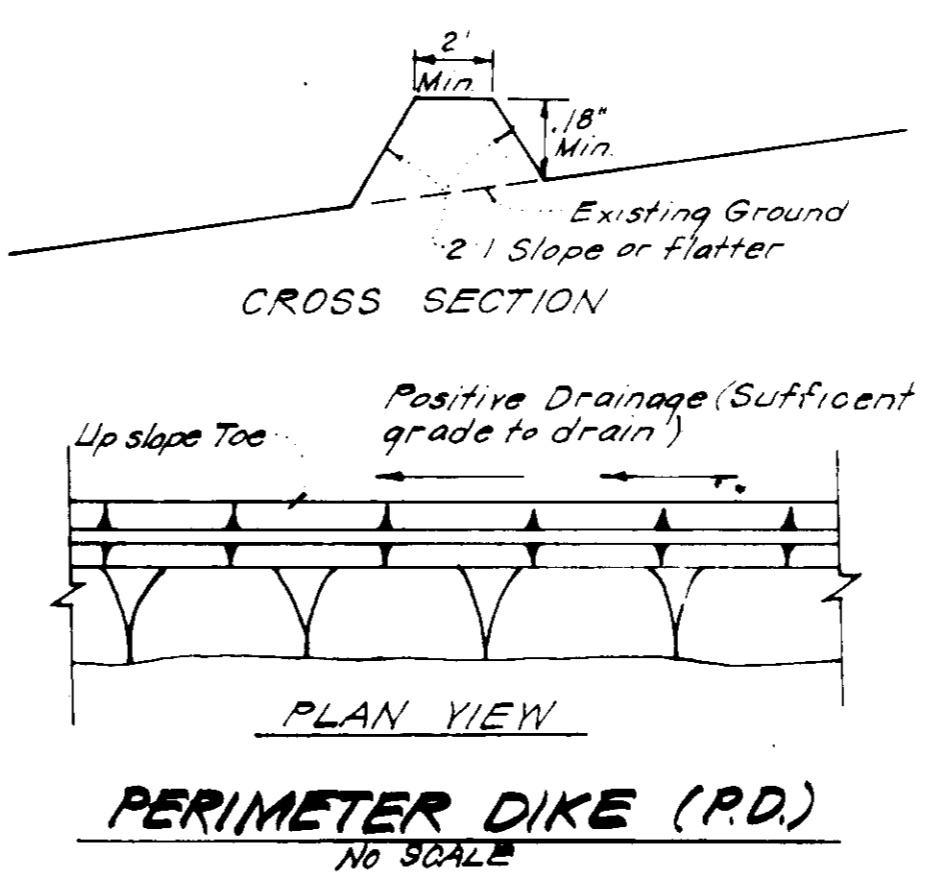
- Note: For Dimensions not shown see plan
- Notes:
 1. Sediment Trap to be cleaned out when sediment reaches a level of 1ft below crest of stone outlet.
 2. Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.
 3. Stone Outlet to be constructed through diversion dike adjacent to excavated.

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

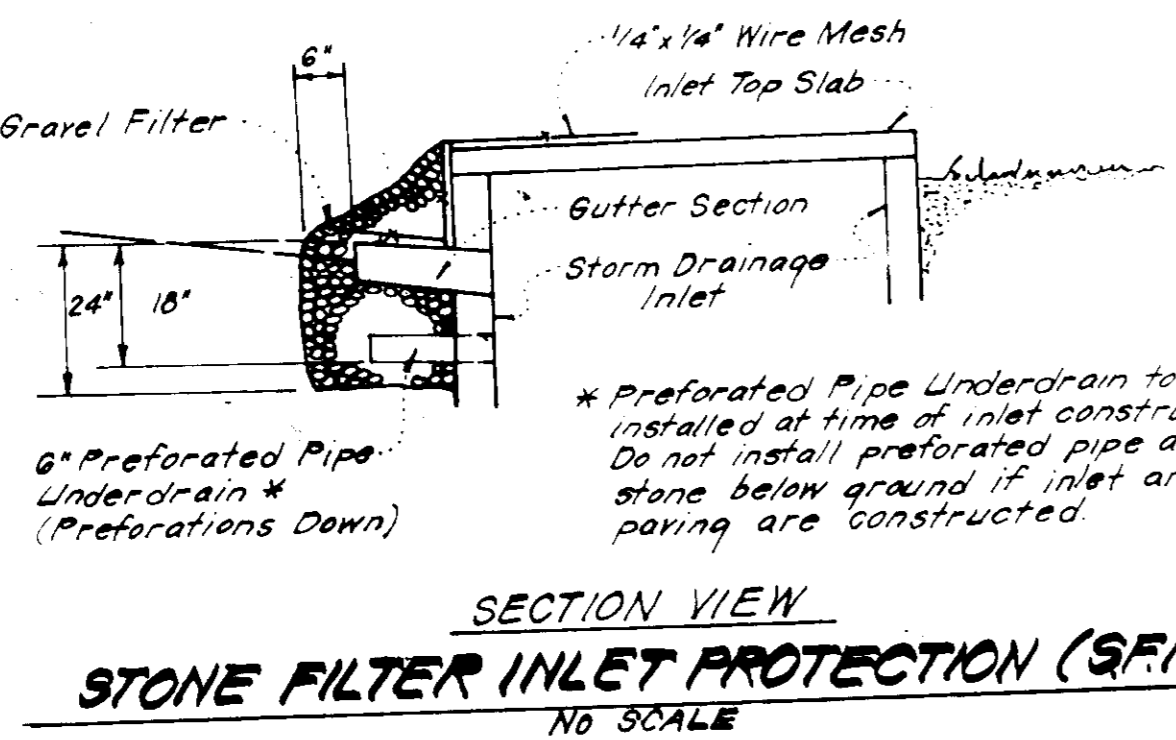
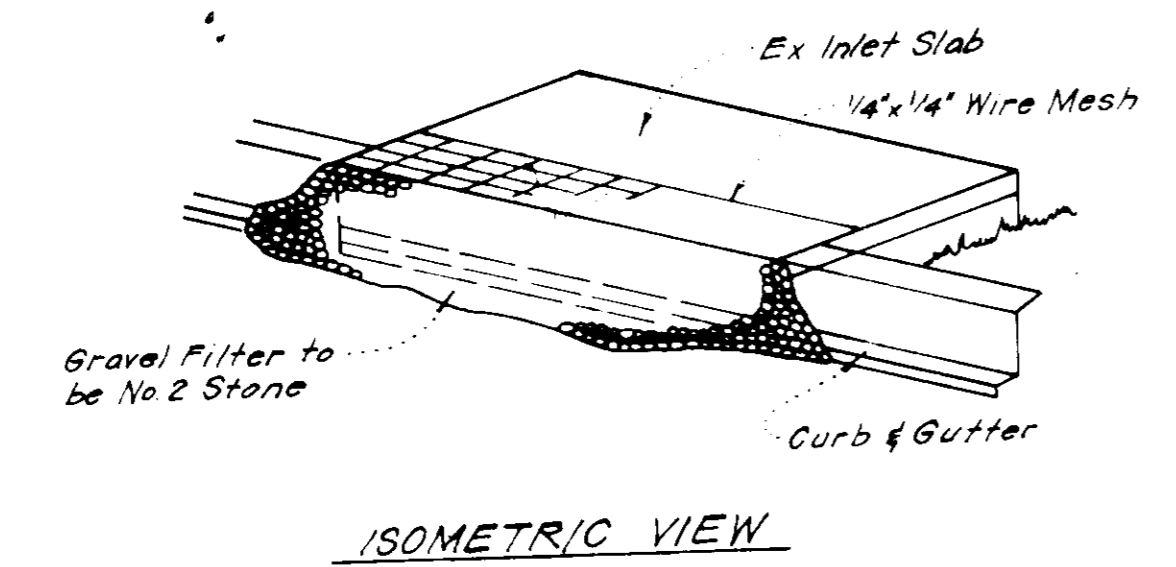
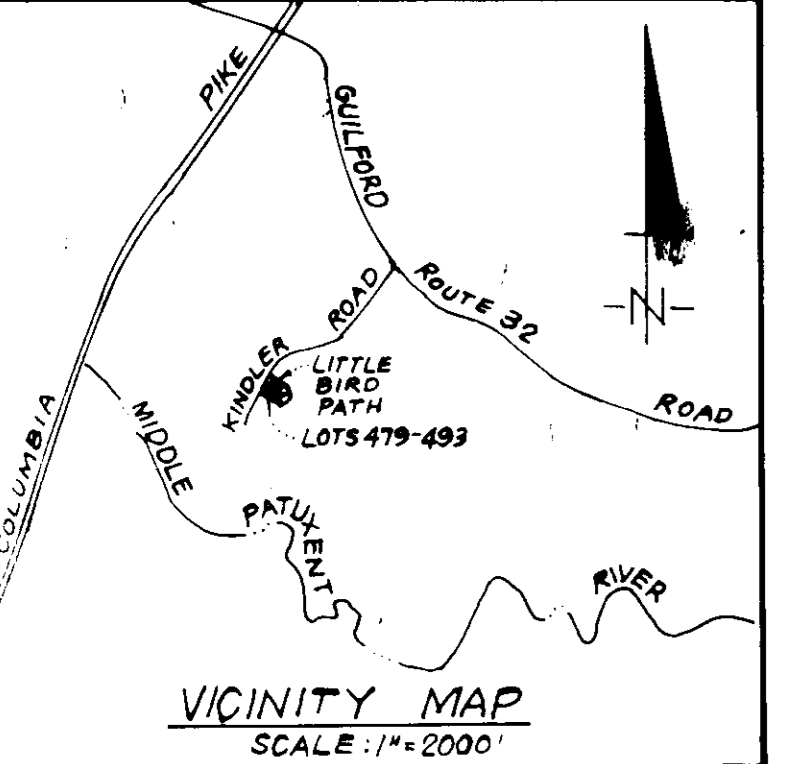


TRAP #3 S.O.S.T. (ST-3)
 D.A. = 0.4 Ac.
 Storage Required = 0.4 x 1800 = 720 cf
 Storage Provided = 726 cf
 Depth = 3'
 Top of Stone Crest = 358.0
 Bottom Elevation = 355.0
 Bottom Dimension = 16' x 5'

TRAP #2 S.O.S.T. (ST-3)
 D.A. = 0.7 Ac.
 Storage Required = 0.7 x 1800 = 1260 cf
 Storage Provided = 1296 cf
 Depth = 3'
 Top of Stone Crest = 362.0
 Bottom Elevation = 359.0
 Bottom Dimension = 18' x 12'



- LEGEND:**
- Contour Interval 2 Ft
 - Existing Contour
 - Proposed Contour
 - Spot Elevation
 - Direction Of Drainage
 - Walk Out Basement
 - Perimeter Dike
 - Stone Filter Inlet Protection
 - Stone Construction Entrance
 - Sediment Trap



Reviewed for **Howard** S.C.D.
 Name
 and meets Technical Requirements
 Signature **Howard** 6-18-83
 Date
 U.S. Soil Conservation Service

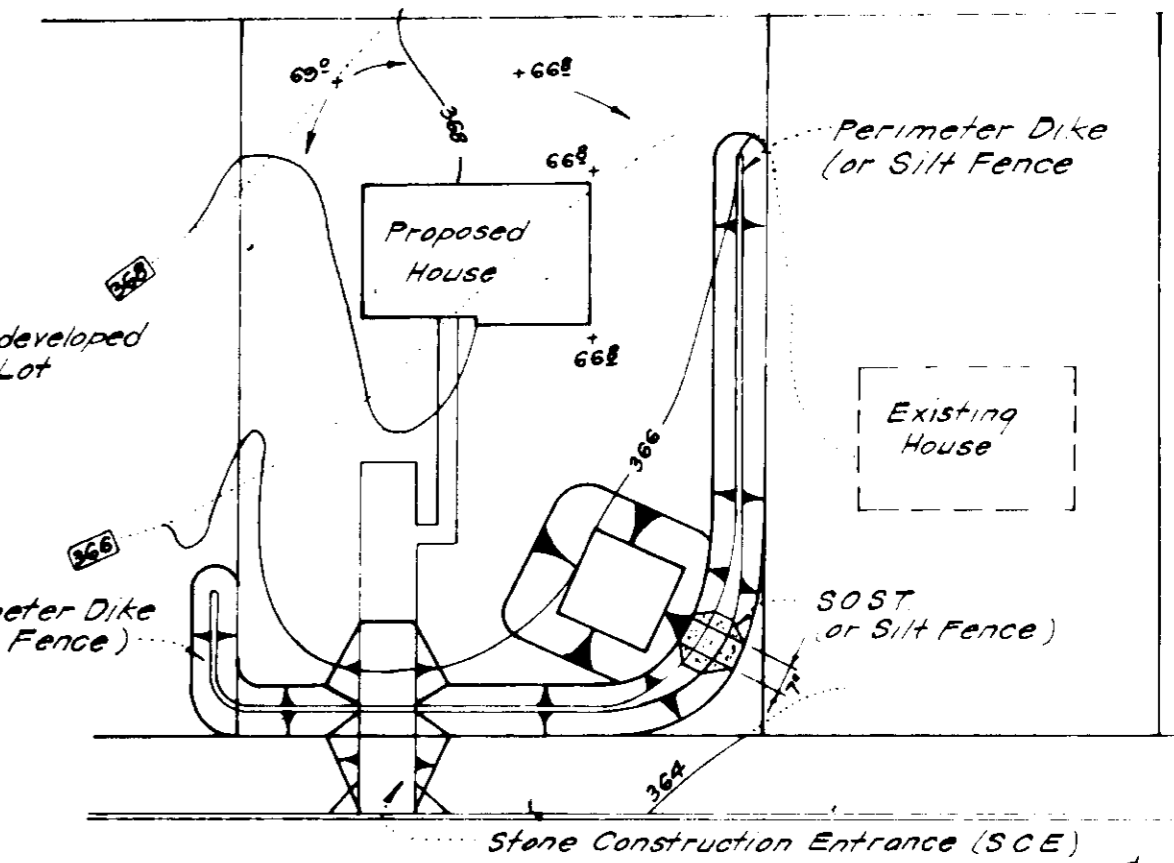
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Signature **Robert Zichew** 6-18-83
 Date

ENGINEER'S CERTIFICATE
 I hereby 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 at 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.
 Signature **Maurice M. Simpkins** 6-27-83
 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 Conservation District.
 Signature **G. Nelson Clark** 6-27-83
 Date

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 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 Sediment and Erosion 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:
 A. Seed - certified 85% germination applied at the rate of 3.55/1000 sf. 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 sf. Ground Agriculture - lime or Dolomitic Lime applied at a rate of 90 lbs/1000 sf.
 C. 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., spiral racks, chemical broom 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 are to be done 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 developer's 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 off-site waste or borrow area prior to the import of any borrow or export of waste from this site.
- If pipes are to be blocked at the end of each day. See detail this sheet.
- Total Amount of Straw Bales or Silt Fence shown = 0 - - - - -
- SITE ANALYSIS:**
 A. Total Area 2.050 Acres
 B. Area to be Roofed 0.325 Acres
 C. Area to be Paved 0.168 Acres
 D. Area to be Seeded 1.398 Acres
 E. Area Undisturbed 0.159 Acres
- CONSTRUCTION SEQUENCE:**
 A. Install Sediment & Erosion Control Devices and Stabilize Diversion Dike
 B. Excavate for Foundations and Rough Grade
 C. Erect Structures, Driveways and Sidewalks
 D. 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.



Lot Size	1/4 Ac	1/2 Ac	Ac
L	2'	3'	6'
Depth	2'	2'	2'
Bot Length	11'	26'	26'
Bot Width	11'	11'	26'
Bot Area	121 sq	286 sq	676 sq

* See Sta ST-3 on 2007 for details not shown
 ** Can be adjusted in field but bottom area must be as a min of greater

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 Signature **Howard** 8-14-83
 DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Signature **Howard** 8-25-83
 DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Signature **Howard** 8-24-83
 DATE

CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS
 11135 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED B.P.	SEDIMENT & EROSION CONTROL PLAN LOTS 479 THRU 493 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 2, AREA 3 PHASE 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'	
DRAWN V.L.B.		DRAWING 2 OF 2	
CHECKED B.P.		JOB NO. 83-055	
DATE 6-27-83		FOR THE RYLAND GROUP, INC. ONE KNOLL NORTH # 503 COLUMBIA, MARYLAND 21045	FILE NO. 83-05556