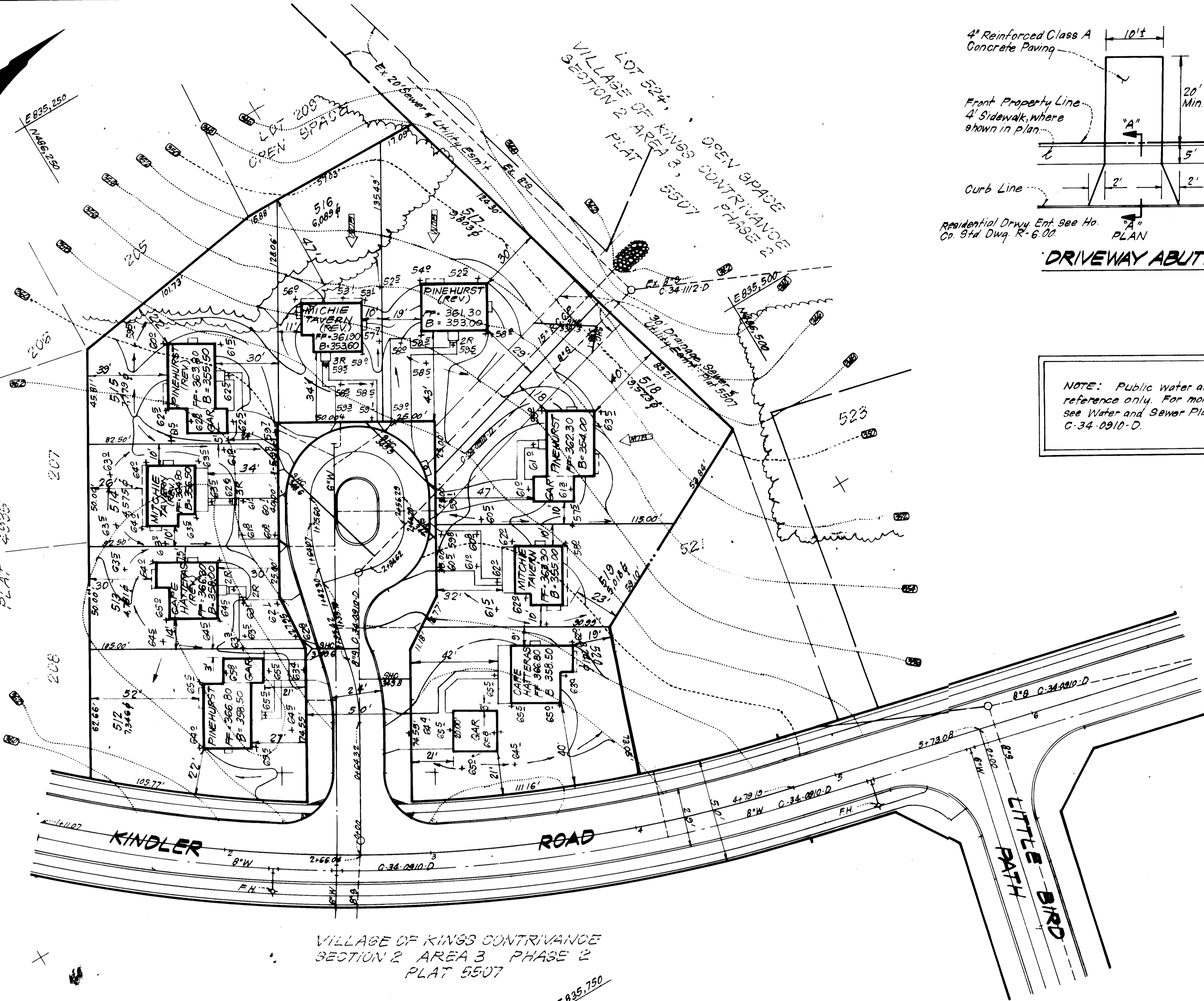
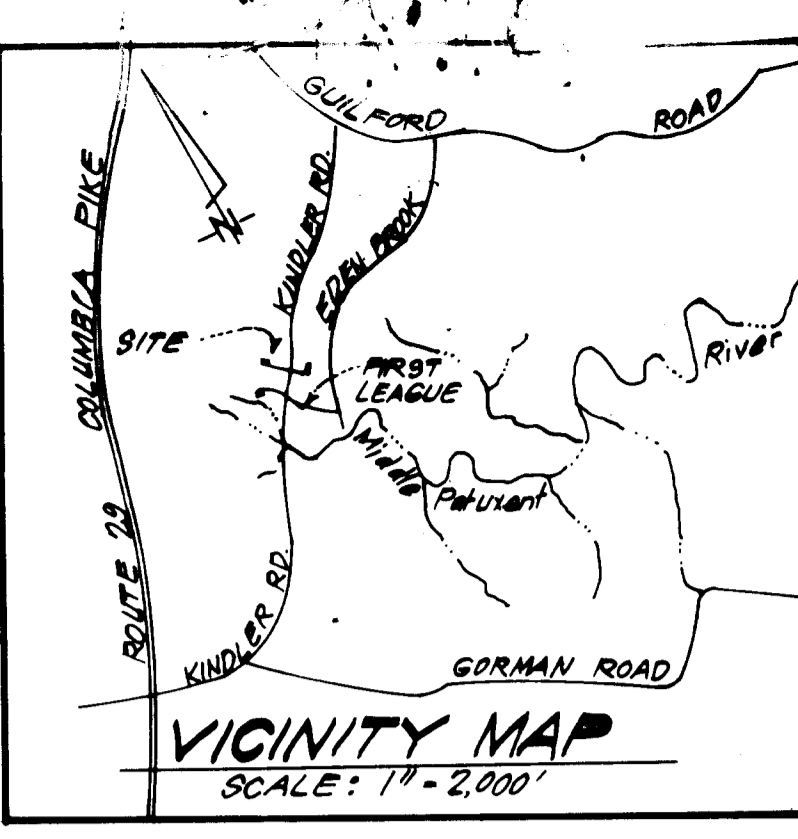
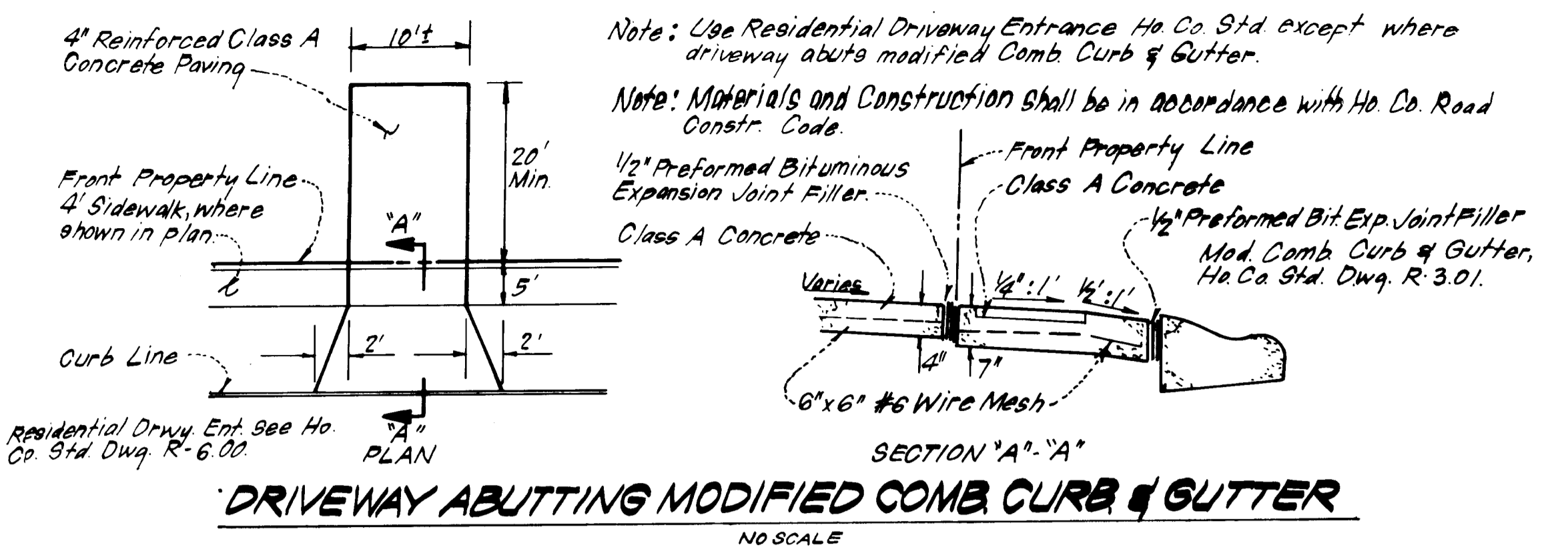


VILLAGE OF KINGS CONTRIVANCE  
SECTION 2 AREA 3 PHASE 2  
PLAT 5507



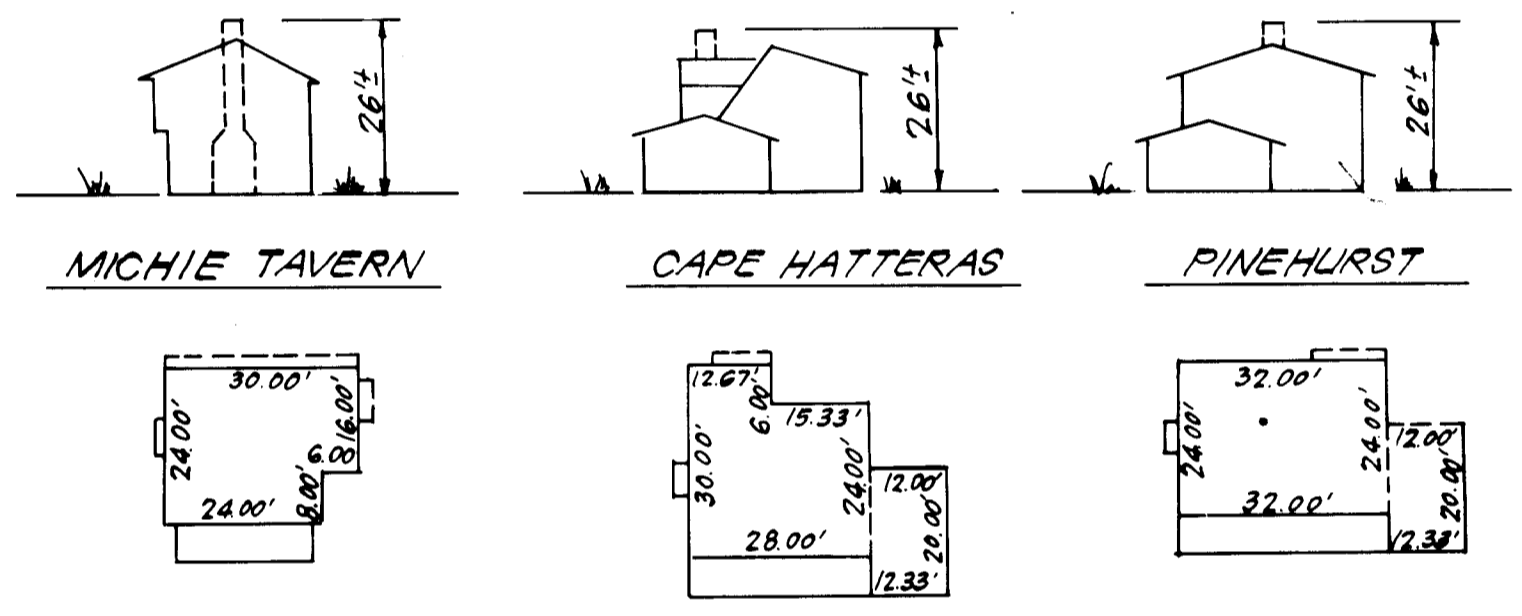
VILLAGE OF KINGS CONTRIVANCE  
SECTION 2 AREA 3 PHASE 2  
PLAT 5507



NOTE: Public water and sewer shown for reference only. For more detailed information, see Water and Sewer Plans Contract No. C-34-0910-D.

**GENERAL NOTES:**

1. The Land included in this plan is zoned New Town
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 1.45 Acres.
5. All roadways are existing.
6. Any damage to county owned rights-of-way or paving shall be corrected at Developer's expense.
7. Total number of lots : 9.



**LEGEND:**

1. Contour Interval 2 Ft.
2. Existing Contour
3. Proposed Contour
4. Spot Elevation + 60 ±
5. Direction of Drainage
6. Existing trees to be retained
7. Walkout Basement

ADDRESS CHART		
LOT NO.	STREET ADDRESS	
512	7396	Kindler Road
513	7392	" "
514	7388	" "
515	7384	" "
516	7380	" "
517	7376	" "
518	7372	" "
519	7368	" "
520	7364	" "

SUBDIVISION NAME		SECT./AREA	LOTS
COL - V.O.K.C.		2/3	512-520
PLAT	BLK #	TAX MAP	LEG. DIST. COM. DIST. TR.
5507	12	4,442	6TH 6062
WATER CODE		SEWER CODE	
1- E1G		6440000	

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
*[Signature]* 6-18-84  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*[Signature]* 6-21-84  
PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 6-14-84  
DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING  
*[Signature]* 6-20-84

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 5-31-84  
*[Signature]*



**CLARK · FINEROCK & SACKETT**  
ENGINEERS · PLANNERS · SURVEYORS  
1115 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

DESIGNED: J.M.E. SITE DEVELOPMENT PLAN LOTS 512 THRU 520  
DRAWN: V.L.B. COLUMBIA  
CHECKED: J.M.E. VILLAGE OF KINGS CONTRIVANCE SECTION 2 AREA 3 PHASE 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
DATE: 4-84 FOR: THE RYLAND GROUP (COL DIVISION) One Knoll North Dr. Suite 523 Columbia, Maryland 21045


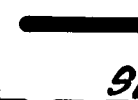


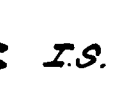


SCALE: 1" = 30'  
DRAWING: 1 OF 9  
JOB NO.: 83-055  
FILE NO.: 83-055-X

TRAP NO. 1 S.O.S.T. (ST-3)  
 D.A. = 10 Acre  
 Storage Required = 10 x 1800 = 1800 cf  
 Storage Provided = 1800 cf  
 Depth = 3'  
 Top of Stone Crest = 348.0  
 Bottom Elevation = 345.0  
 Bottom Dimensions = 44' x 6'

VILLAGE OF KINGS CONTRIVANCE  
 SECTION 2 AREA 3 PHASE 2  
 PLAT 4885

VILLAGE OF KINGS CONTRIVANCE  
 SECTION 2 AREA 3 PHASE 2  
 PLAT 5507

**LEGEND:**

1. Contour Interval 2 Ft.
2. Existing Contour --- 360 ---
3. Proposed Contour --- 360 ---
4. Spot Elevation + 60.5
5. Direction of Drainage →
6. Existing trees to be retained 
7. Perimeter Dike  PD 
8. Straw Bale Dike/Silt Fence  SBD/SF
9. Stone Filter Inlet Protection  S.F.I.P.
10. Stone Construction Entrance  S.C.E.
11. Interceptor Swale  I.S.

SUBDIVISION NAME		SECT./AREA		LOTS	
COL - V.O.K.C.		2/3		512-520	
PLAT	BLK #	ZONE	TAX MAP	ELED DIST.	CENSUS TR.
5507	12	NEW TOWN	4442	6TH	6062
WATER CODE		SEWER CODE			
EIG		644000			

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER *James Bryan* DATE 6-18-84  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR *James H. Hume* DATE 6-21-84  
 CHIEF/DIVISION OF LAND DEV. & ZONING ADMIN. *James H. Hume* DATE 6-21-84  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR *James F. Newman* DATE 6-14-84  
 CHIEF BUREAU OF ENGINEERING *James F. Newman* DATE 6-14-84

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 5-31-84  
*James H. Hume*

Reviewed for *Howard* S.C.D.  
 and meets Technical Requirements  
*James M. DeLoe* 6/14/84  
 Signature  
 U.S. Soil Conservation Service

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

*Stephen J. Hulse* 6/14/84  
 APPROVED

**DEVELOPER/BUILDER'S CERTIFICATE**

"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 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."

*Maurice N. Simpkins* 4-12-84  
 Signature of Developer/Builder  
 MAURICE N. SIMPKINS 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.

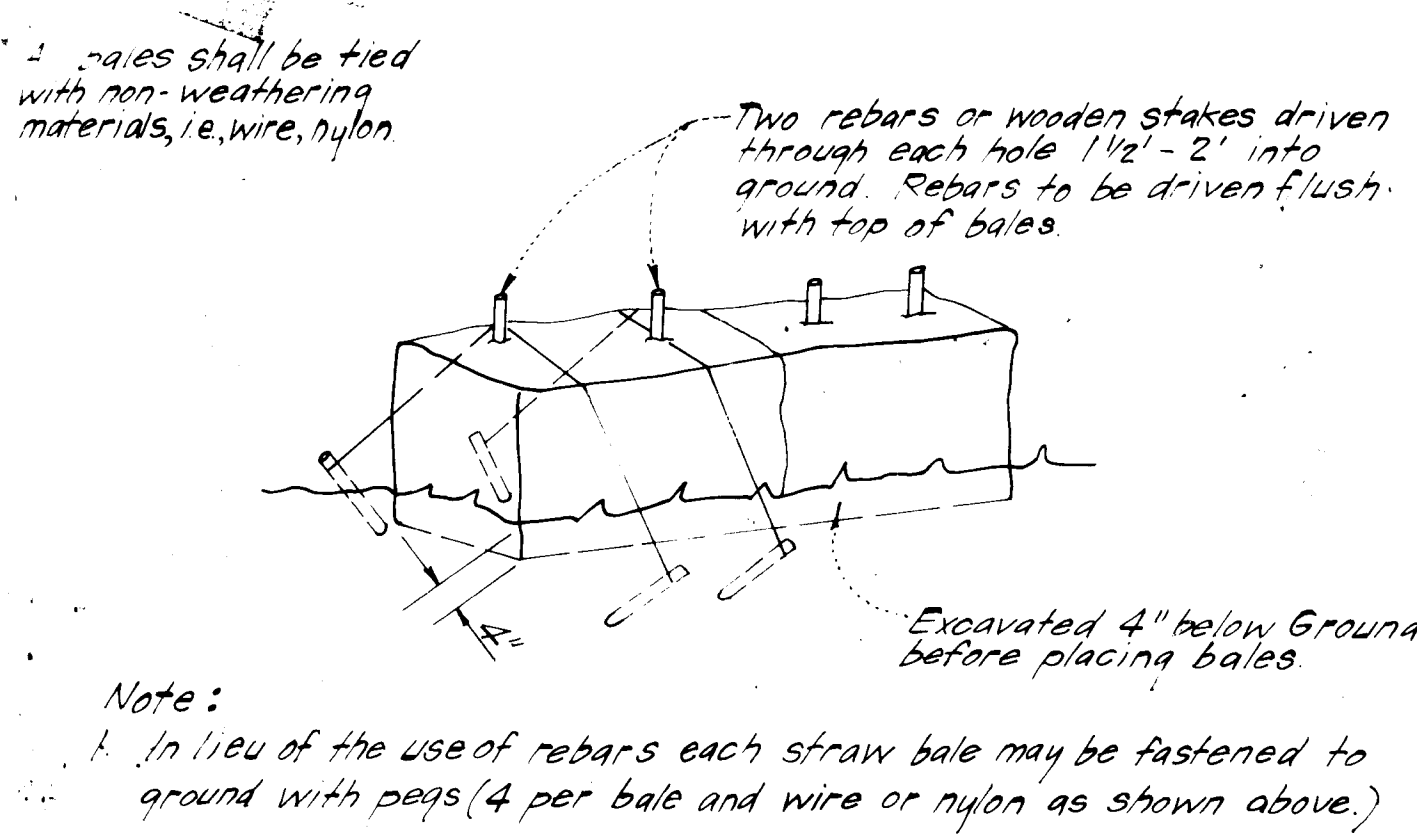
*G. Nelson Clark* 4-12-84  
 G. Nelson Clark Date

		<b>CLARK · FINEFROCK &amp; SACKETT</b>	
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	4-84	FILE NO.	83-05582
<b>SEDIMENT &amp; EROSION CONTROL PLAN</b> <b>COLUMBIA</b> VILLAGE OF KINGS CONTRIVANCE SECTION 2 AREA 3 PHASE 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP (COL. DIVISION) One Knoll North Dr. Suite 303 Columbia, Maryland 21045			

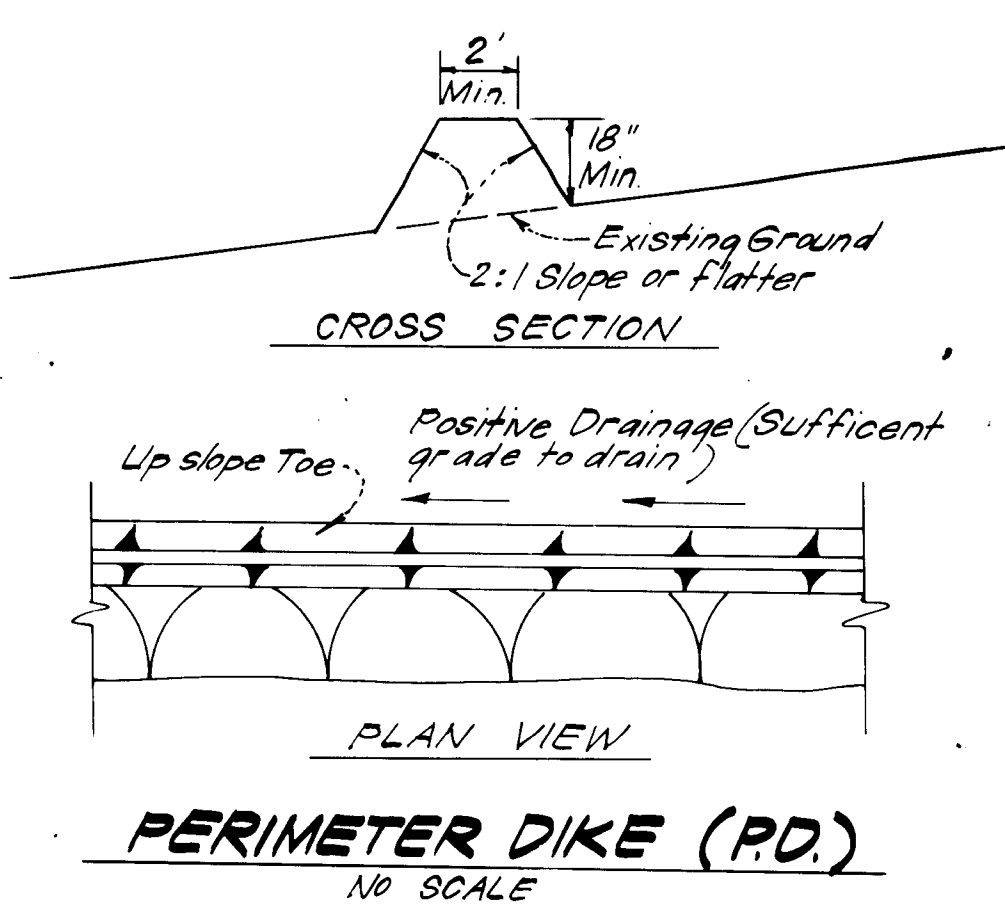
SDP-84-249.

**GENERAL NOTES**

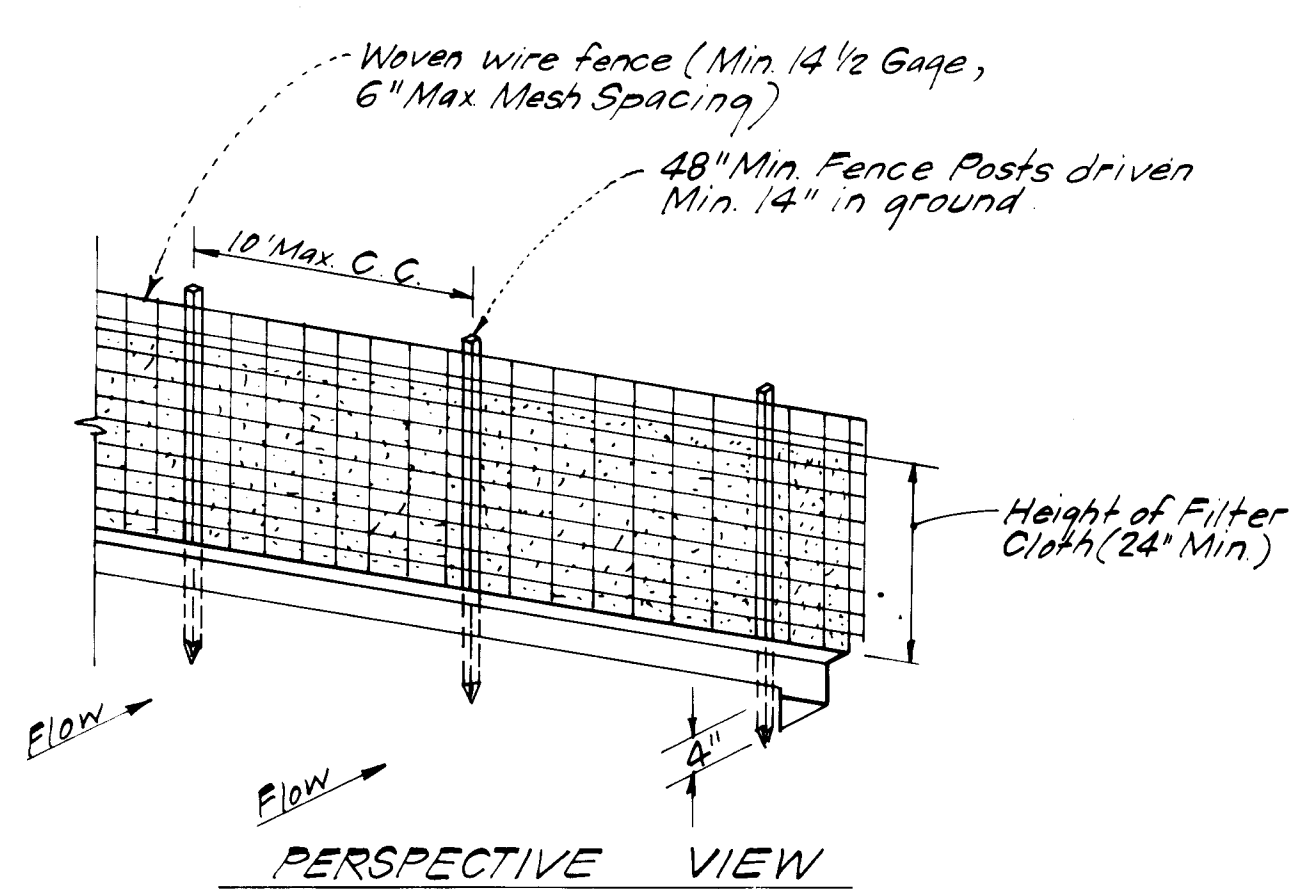
- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
- All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See note #6 for stabilization except that the seed mixture will be annual rye applied at a rate of 1.4 lbs./1000 sf.
- Notify the Bureau of Inspections and Permits at least 24 hours 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 areas 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 30 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 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 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 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 NA.
- Total Amount of Straw Bales or Silt Fence shown = 88 L.F.
- SITE ANALYSIS:
  - Total Area: 1.450 Acres.
  - Area to be Roofed: 0.172 Acres.
  - Area to be Paved: 0.102 Acres.
  - Area to be Seeded: 0.777 Acres.
  - Area Undisturbed: 0.397 Acres.
- CONSTRUCTION SEQUENCE:
  - Install Sediment & Erosion Control Devices and Stabilize Diversion Dike.
  - Excavate for Foundations and Rough Grade.
  - Construct 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.



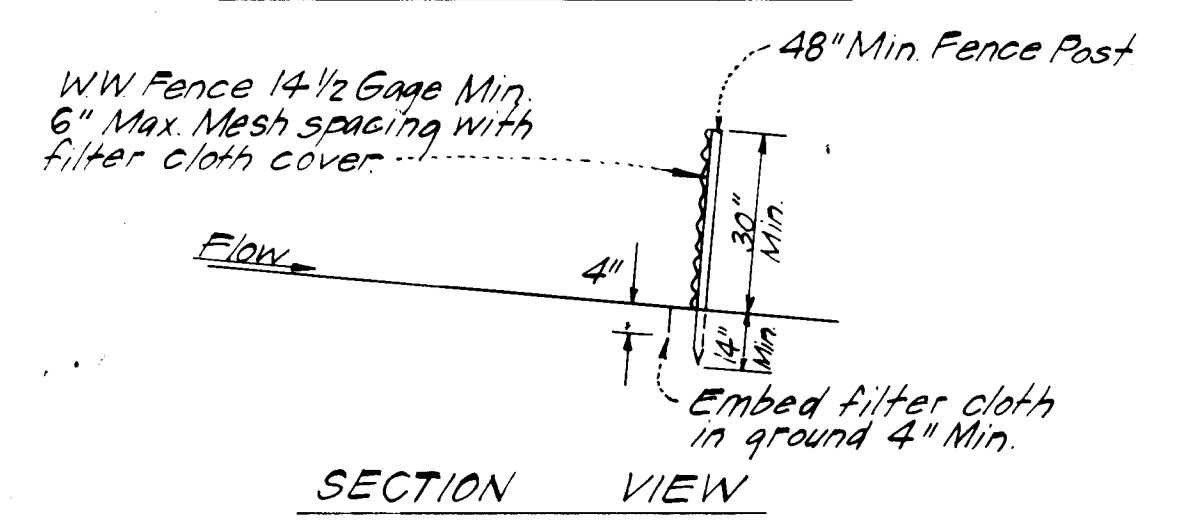
**STRAW BALE DIKE DETAIL (S.B.D.)**  
NO SCALE



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



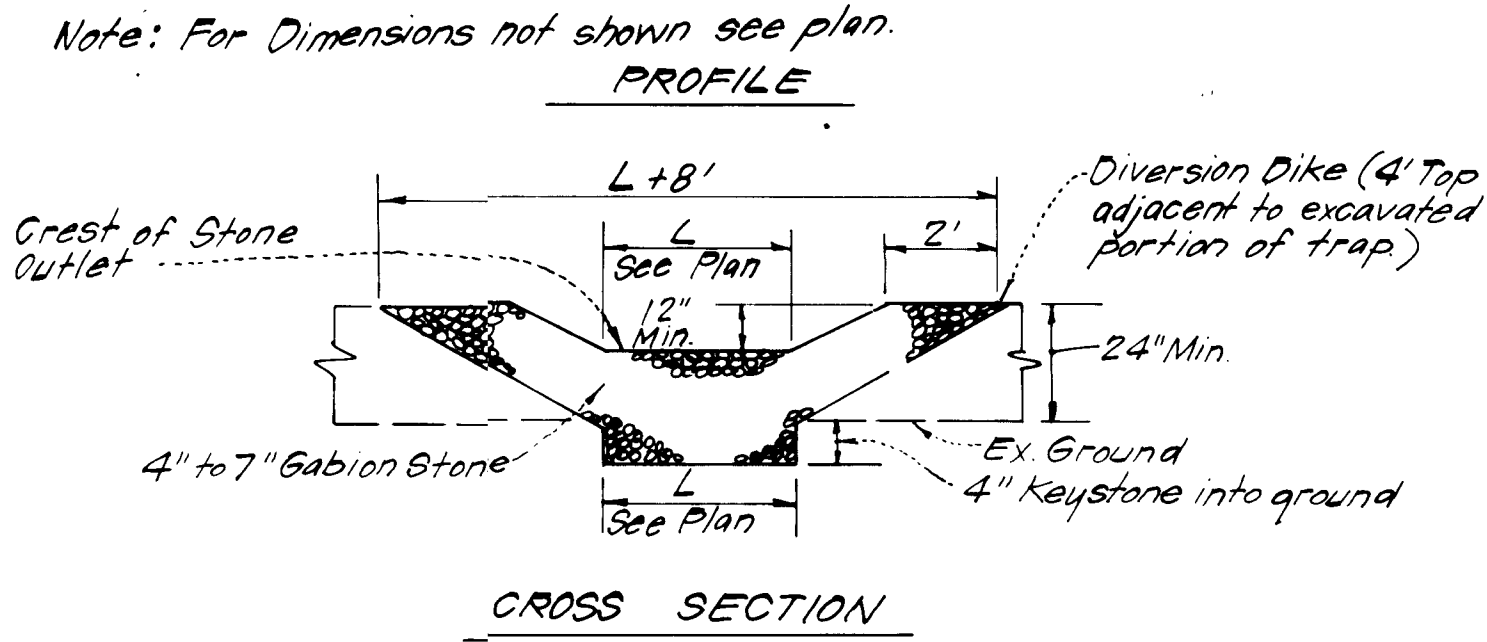
**PERSPECTIVE VIEW**



**SECTION VIEW**

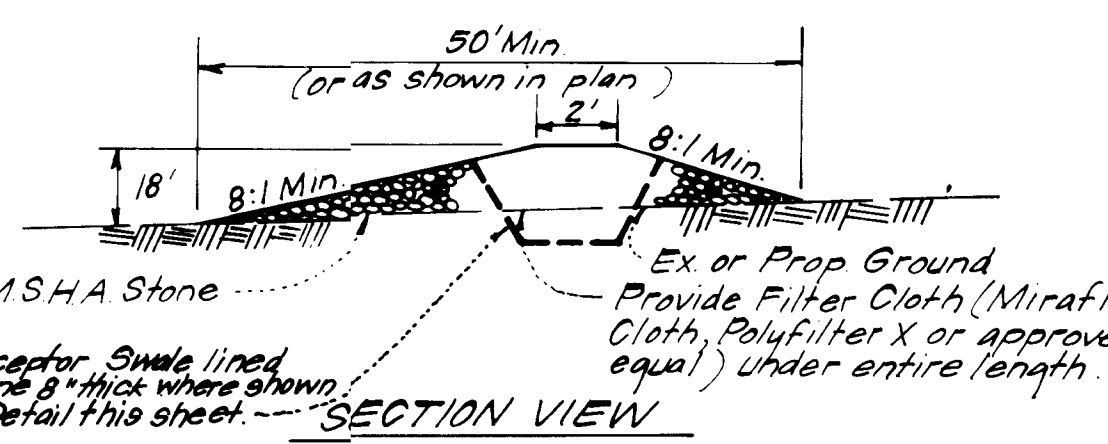
**CONSTRUCTION NOTES:**  
 1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.  
 2. Filter cloth to be fastened securely to woven wire fence with wire ties spaced every 24" at top and mid-section.  
**PASTES:** Steel, either T or U type or 2" Hardwood.  
**FENCE:** Woven wire, 1 1/2 Ga., Max 6" Mesh Opening.  
**FILTER CLOTH:** Filter X, Mirafix 100X, Laurel Erosion Control Cloth, Bidim, Polyfilter X or equal.

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

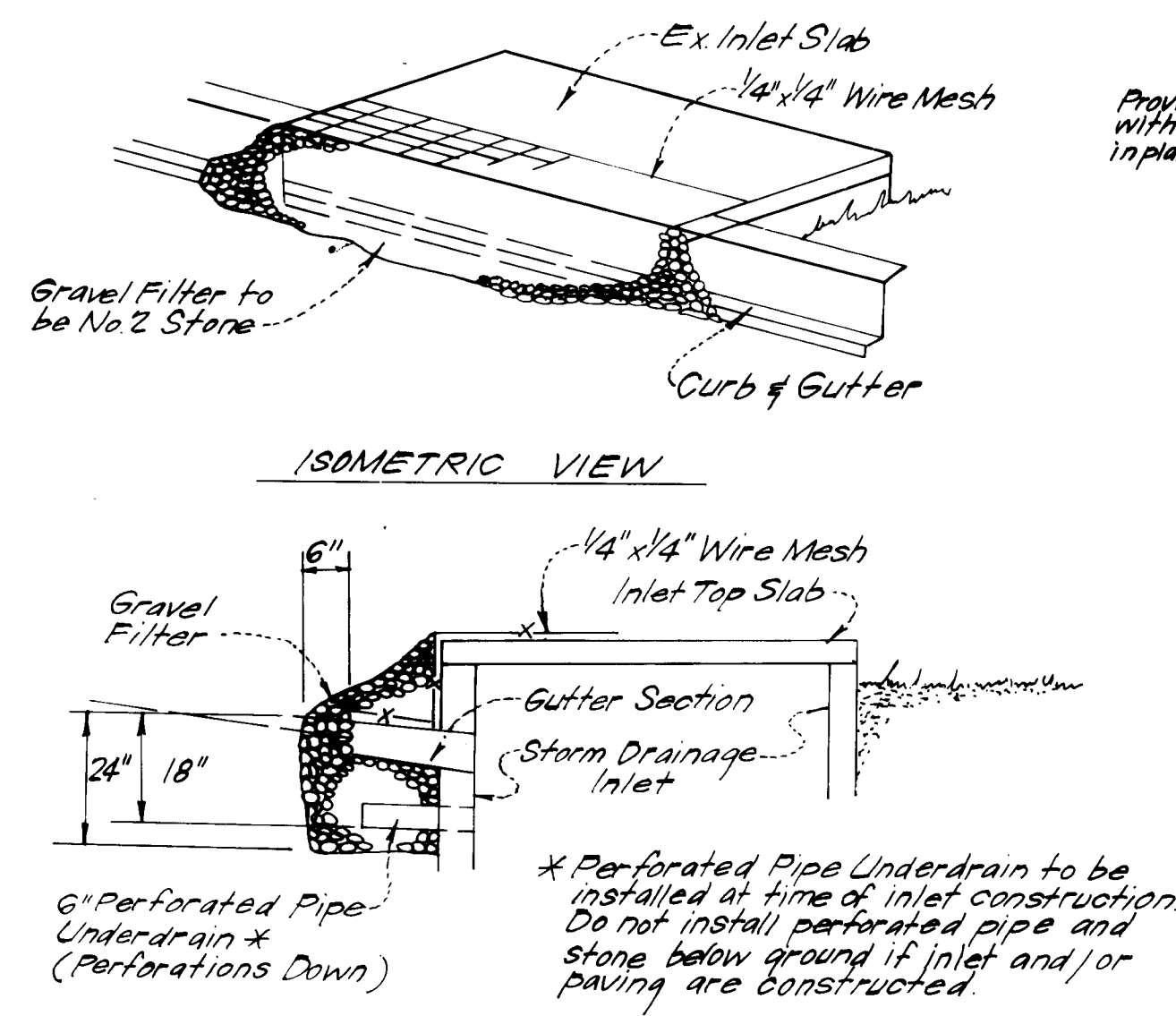


**Notes:**  
 1. Sediment Trap to be cleaned out when sediment reaches a level of 1 foot below crest of stone outlet.  
 2. Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.  
 3. Stone Outlet to be constructed through diversion dike adjacent to excavated trap.

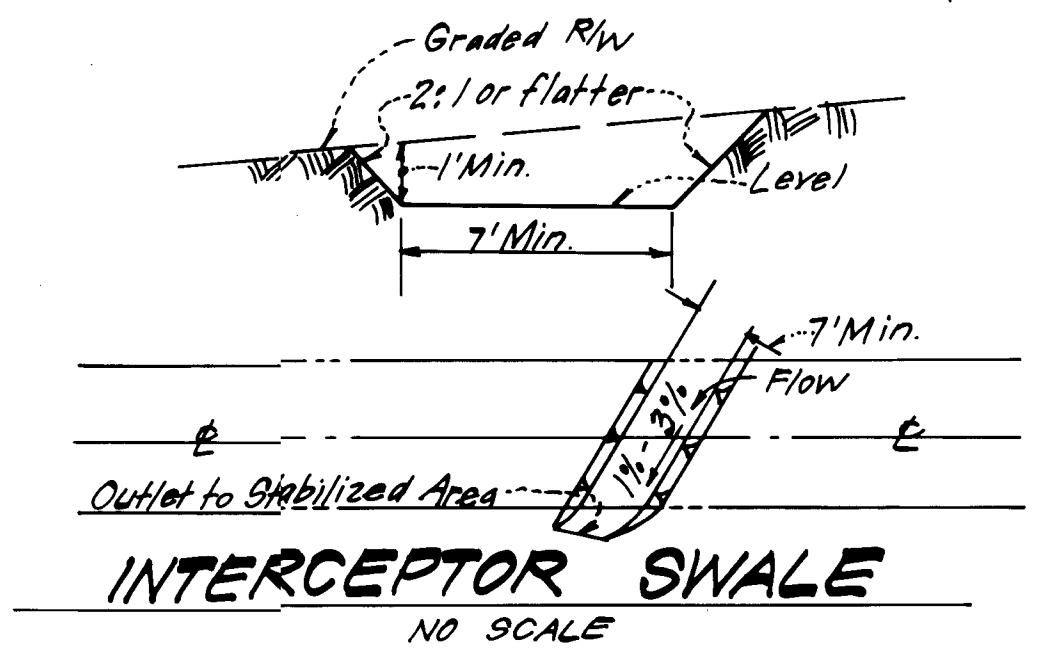
**DETAILS OF STONE FILTER OUTLET FOR STONE OUTLET SEDIMENT TRAP (S.O.S.T.)**  
NO SCALE



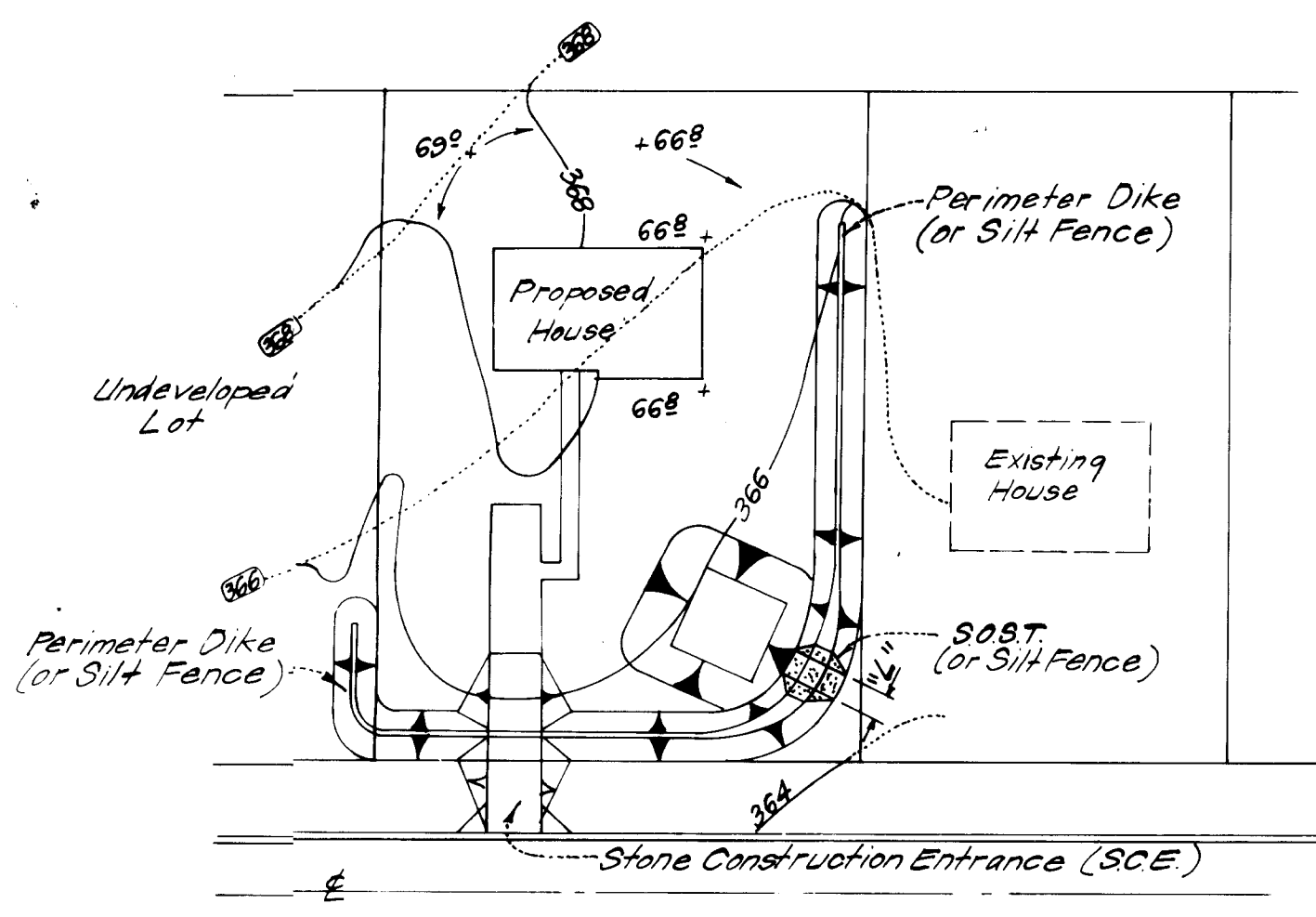
**STONE CONSTRUCTION ENTRANCE (S.C.E.)**  
NO SCALE



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



**INTERCEPTOR SWALE**  
NO SCALE



**SINGLE LOT SEDIMENT CONTROL PLAN**  
NO SCALE

S.O.S.T. *			
Lot Size	1/4 Ac.	1/2 Ac.	1 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 SH-57.3, pg 20.07 for detail not shown.  
 \*\* Can be adjusted in field but bottom area must be as given or greater.



**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*  
 G. Nelson Clark  
 4-12-84  
 Date

Reviewed for: Howard S.C.D.  
 Name  
 and meets Technical Requirements  
Stephen L. Huber 6/12/84  
 Signature Date  
 U.S. Soil Conservation Service

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

*Stephen L. Huber* 6/12/84  
 Approved Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT  
John P. ... 6-18-84  
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
James M. ... 6-21-84  
 PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
Steve F. Neuman 6-18-84  
 DIRECTOR DATE

APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 5-31-84

**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 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 inspections by the Howard Soil Conservation District or their authorized agents, as may be deemed necessary."  
Maurice M. Simpkins 4-12-84  
 Signature of Developer/Builder Date  
 MAURICE M. SIMPKINS

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

DESIGNED J.L.S.	SEDIMENT & EROSION CONTROL PLAN LOTS 512 THRU 520 <b>COLUMBIA</b>	SCALE As Shown
DRAWN V.L.B.		DRAWING 3 OF 3
CHECKED J.L.S.	VILLAGE OF KINGS CONTRIVANCE SECTION 2 AREA 3 PHASE 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 83-055
DATE 4-84		FILE NO. 83-055SE

FOR: THE RYLAND GROUP (DOL DIVISION)  
 One Knoll North Dr. Suite 503  
 Columbia, Maryland 21045

**SDP-84-249**