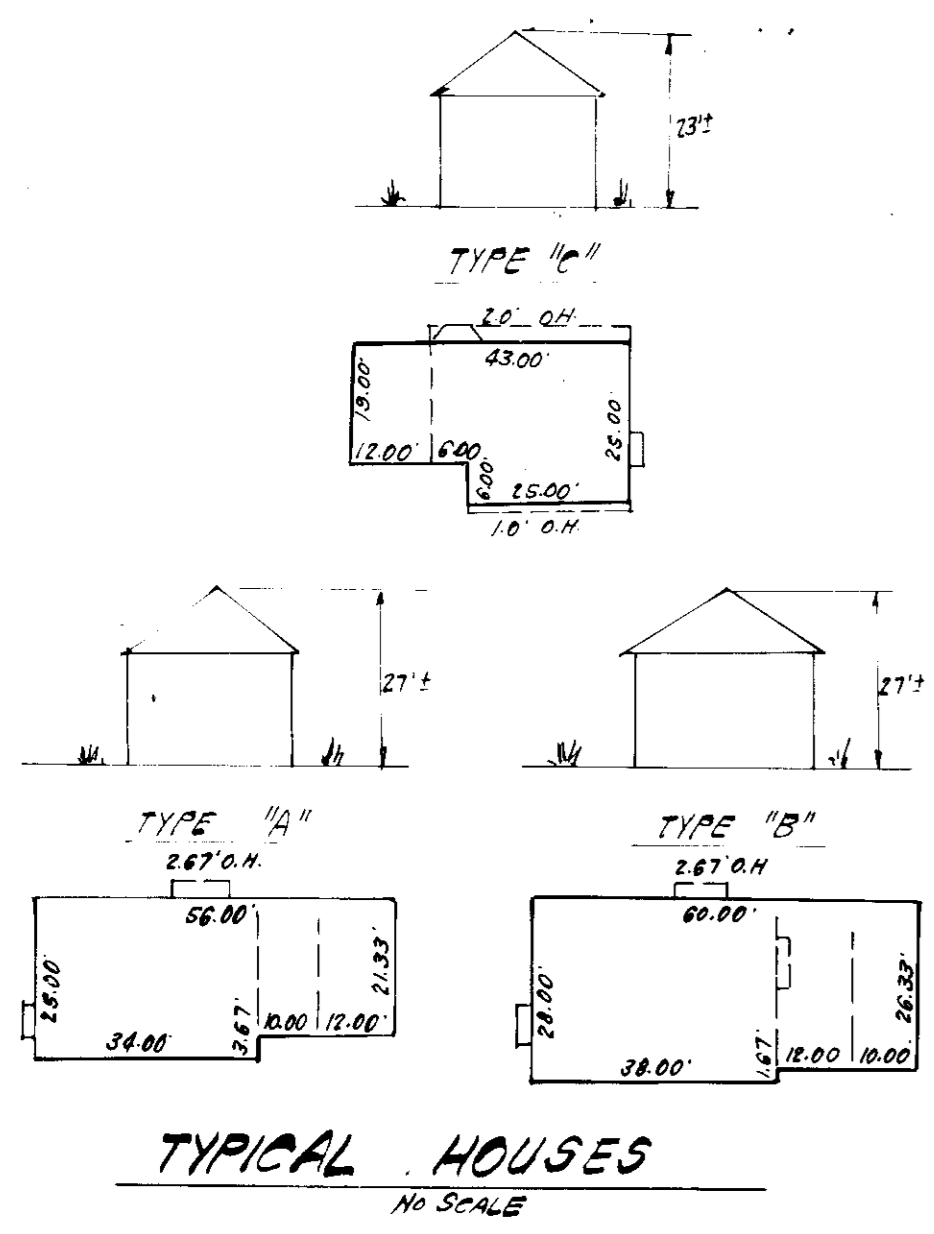
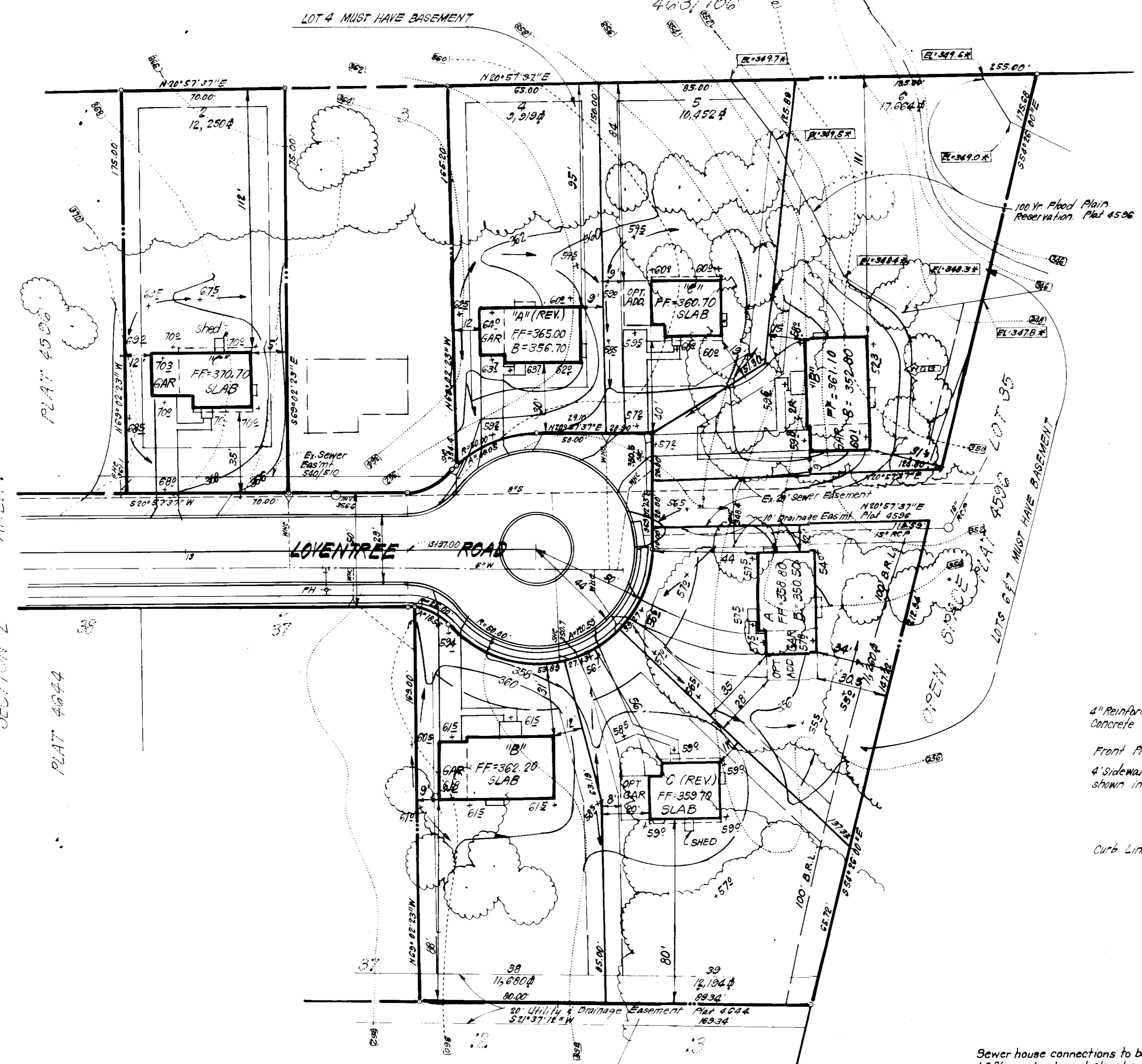


HOWARD RESEARCH & DEVELOPMENT CORPORATION
463/106



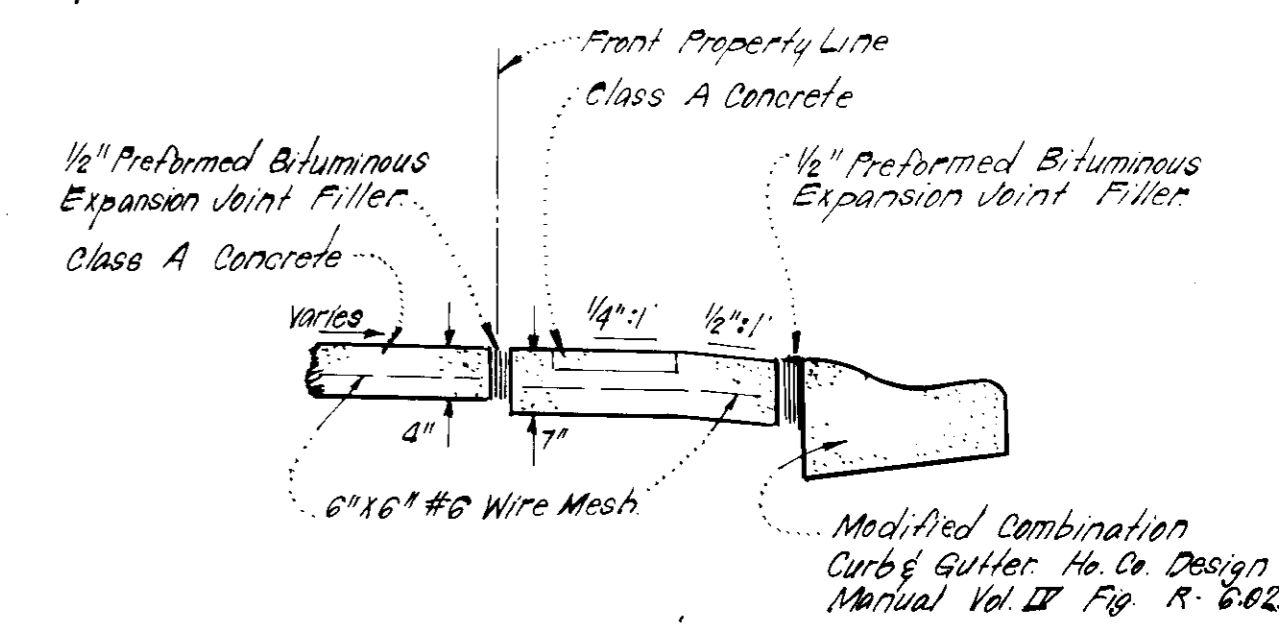
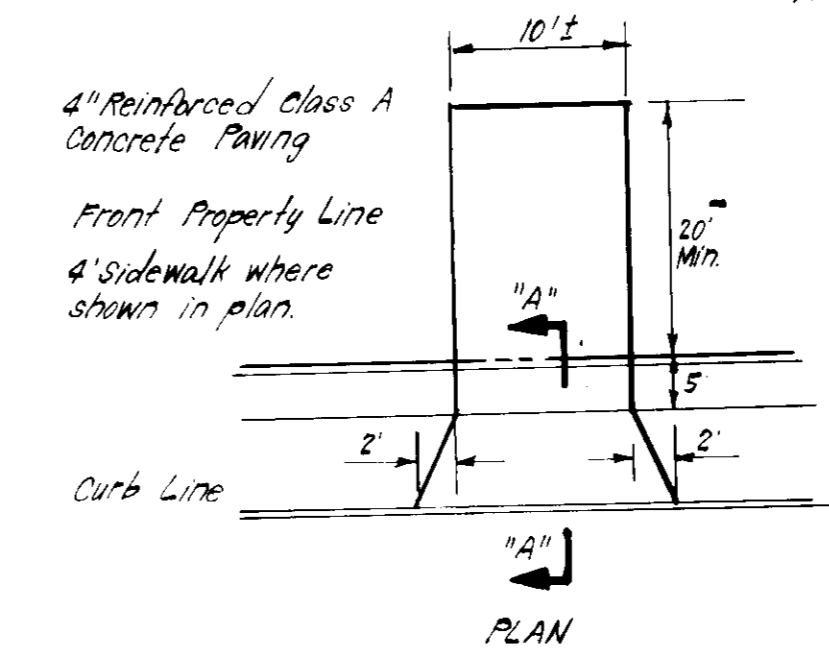
GENERAL NOTES:

- The land included in this plan is zoned: New Town (S.F.M.D)
- The lots shown are covered by Final Development Plan Phase 173-A
- All coordinates are based on traverse controls for Columbia established by Maps Inc., in 1968 by Purdom & Veschte which controls were tied to Maryland Bureau of Control Survey monuments and U.S. Coast & Geodetic Survey monuments in the Columbia area.
- The area covered in this submission is located on Tax Map #36, Part 267
- The total area included on this plan is 1.961 Acres.
- All roadways are public & existing.
- Any damage to county owned rights of way shall be corrected at the developer's expense.
- Total number of lots: 7

LEGEND:

- Contour Interval 2 Ft.
- Existing Contour 350
- Proposed Contour 350
- Spot Elevation +505
- Direction of Drainage
- Existing Trees to be saved
- Walk-Out Basement (W.O.B.)

Note: Materials and construction shall be in accordance with Ho. Co. Road Constr. Code
Note: Use residential driveway entrance, Ho. Co. Design Manual Vol. IX, Fig. R-6-02 except where driveway abuts modified comb curb & gutter.



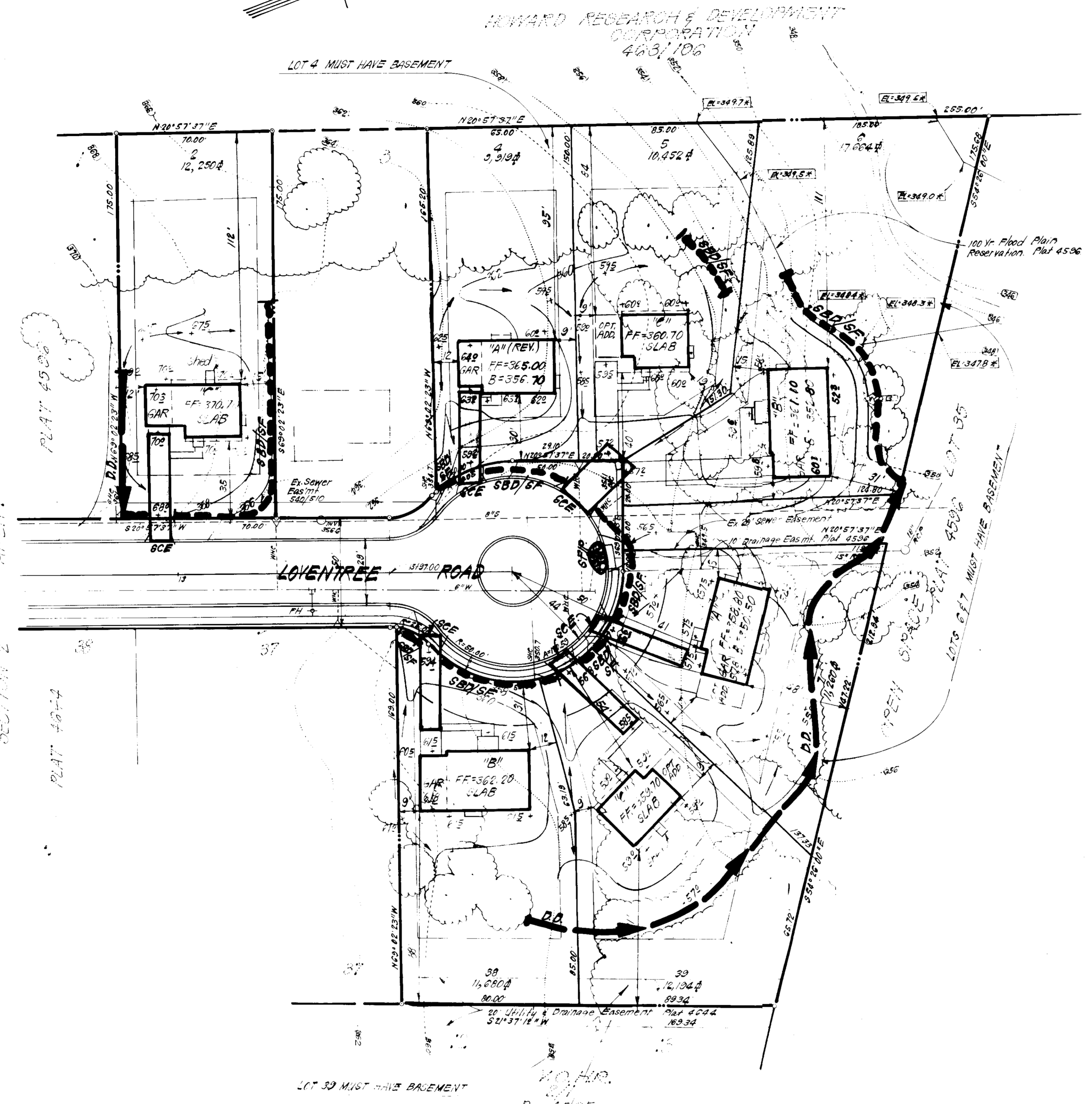
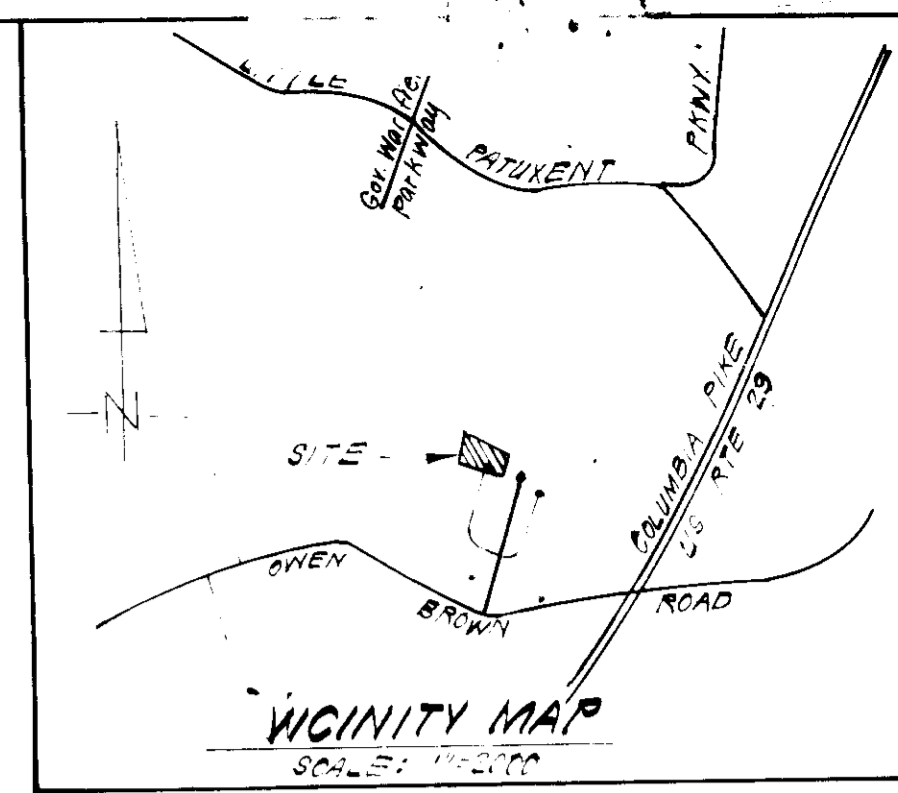
DRIVEWAY ABUTTING MODIFIED-COMB. CURB & GUTTER
No Scale

Sewer house connections to be on a 1.0% grade. Invert elevations of existing S.H.C. should be verified before construction.

APPROVED
DIVISION OF LAND DEVELOPMENT
ZONING ADMINISTRATOR
HOWARD COUNTY, MARYLAND
DATE 5-11-83

APPROVED FOR:	NO.	REVISION	DATE
FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	1	Use Types rotated on Lots 7 & 39 as per H.R.D.	5-13-83
FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS			

CLARK • FINEFROCK & SACKETT		ENGINEERS • PLANNERS • SURVEYORS	
DESIGNED	JME	11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400 SITE DEVELOPMENT PLAN LOTS 2, 4-7, 38 AND 39 COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 2 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: LUNDY & CLARK BUILDERS, INC. 11065 LITTLE PARKWAY Columbia, Maryland 21044	SCALE 1" = 30'
DRAWN	KJW		DRAWING 1073
CHECKED	JME		JOB NO. 83-033
DATE	4-11-83		FILE NO. 83-033-X
PLAT REFERENCE: Plats 4596 & 4624 S.D.P. 83-167			



- LEGEND:**
- 1. Contour Interval 2 Ft.
 - 2. Existing Contour ---
 - 3. Proposed Contour ---
 - 4. Spot Elevation ---
 - 5. Direction of Drainage ---
 - 6. Existing Trees to be saved ---
 - 7. Walk Out Basement ---
 - 8. Diversion Dike ---
 - 9. Straw Bale Dike or Silt Fence ---
 - 10. Stone Filter Inlet Protection ---
 - 11. Stone Construction Entrance ---

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 5-11-83
 [Signature]

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

[Signature] 6-9-83
 HEALTH OFFICER DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND ZONING
 HOWARD COUNTY OFFICE OF PLANNING & ZONING

[Signature] 6-10-83
 PLANNING DIRECTOR DATE

[Signature] 6-10-83
 DIVISION OF LAND DEVELOPMENT & ZONING ADMIN. DATE

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

[Signature] 6-6-83
 DATE

[Signature] 6-6-83
 DATE

BUREAU OF ENGINEERING

Reviewed for Howard S.C.D.
 Name
 [Signature] 6/10/83
 Date
 [Signature] 6/21/83
 Date

DEVELOPER'S/BUILDER'S CERTIFICATE

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 of this project will have a Certificate of Attendance of a Dept. of Natural Resources Approved Training Program for the Control of Sedimentation before beginning the project. I also authorize periodic inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

[Signature] 4-11-83
 Signature of Developer/Builder
 HARRY L. LUNDY

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] 4-11-83
 Date

CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS

11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 597-3400

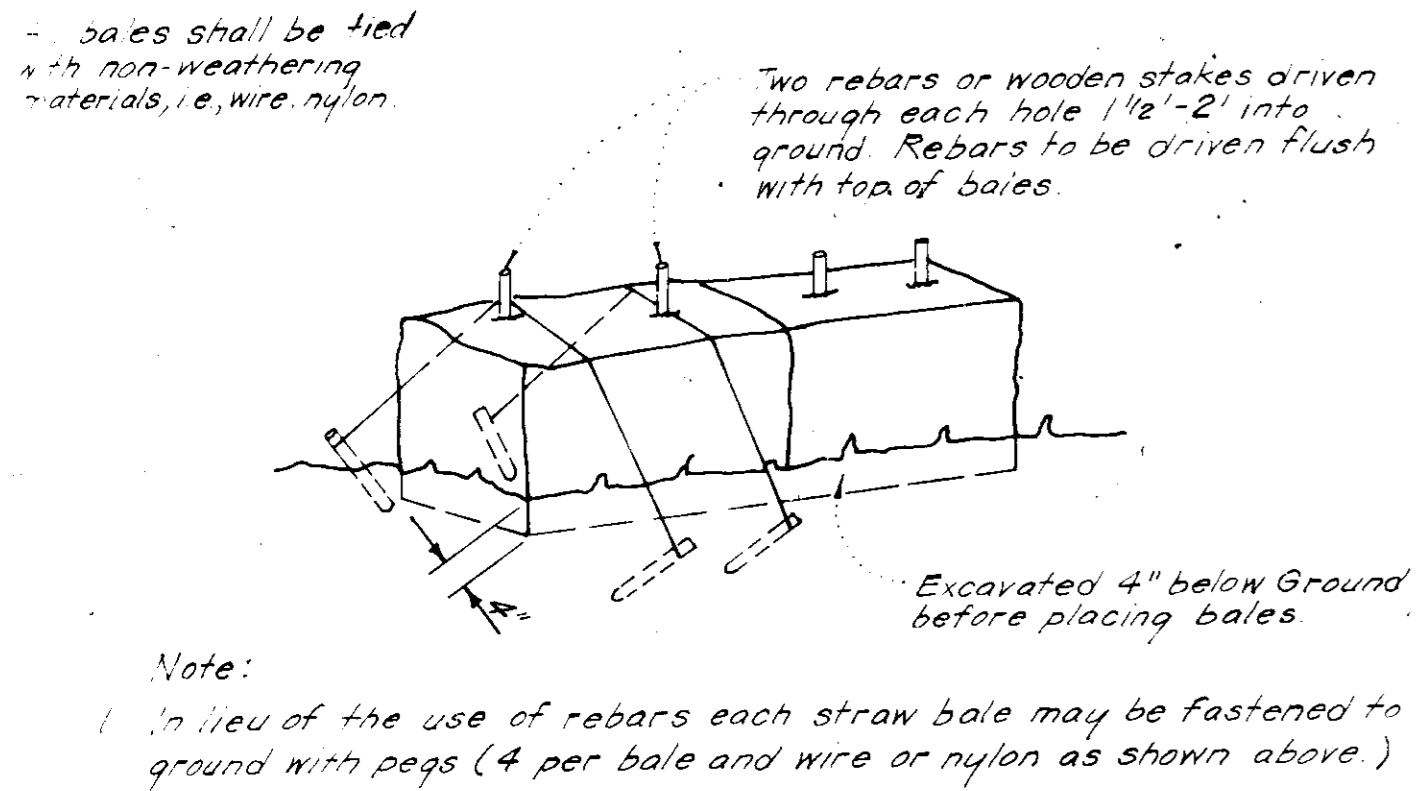
DESIGNED	SEDIMENT EROSION CONTROL PLAN LOTS 2, 4-7, 38 AND 39 COLUMBIA VILLAGE OF HONORARY RIDGE SECTION 2 AREA 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: LUNDY LARK BUILDERS, INC. 1105 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044	SCALE	1" = 30'
DRAWN		DRAWING	2-1-83
CHECKED		JOB NO.	83133
DATE		FILE NO.	83033-SE
4-11-83			

SDP-83-167

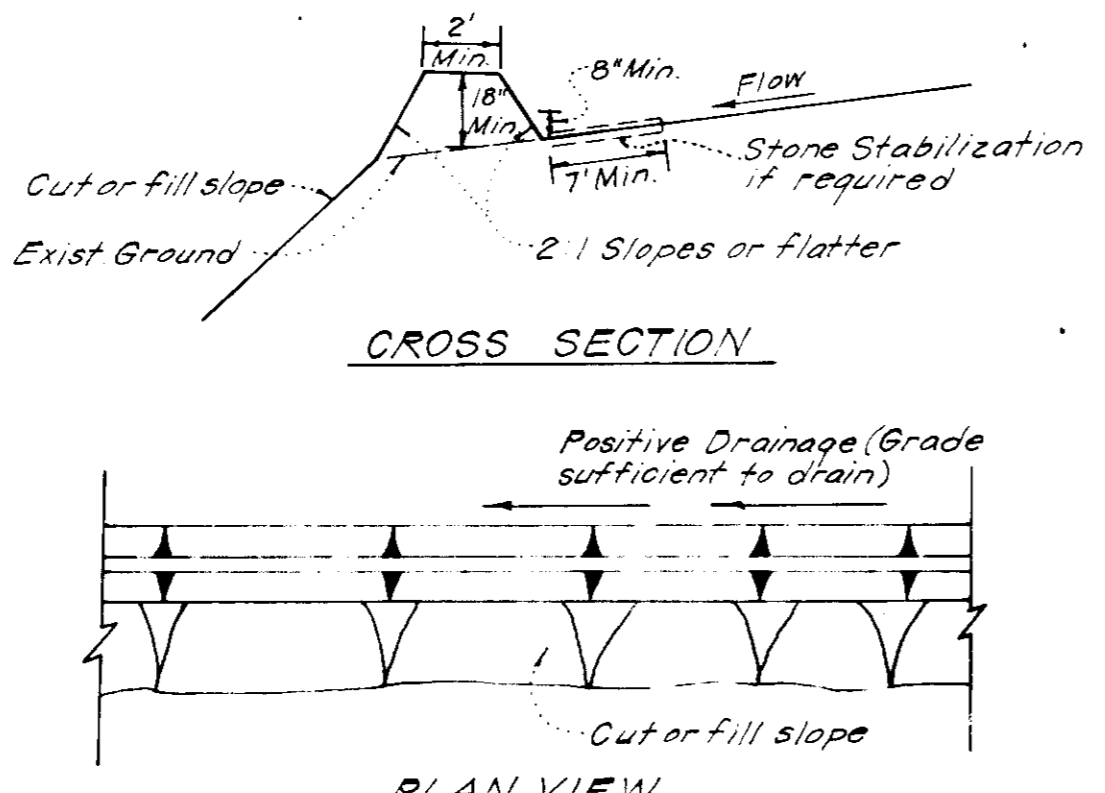
GENERAL NOTES

- 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 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 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 racks, 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 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 = **500** - F
- SITE ANALYSIS:

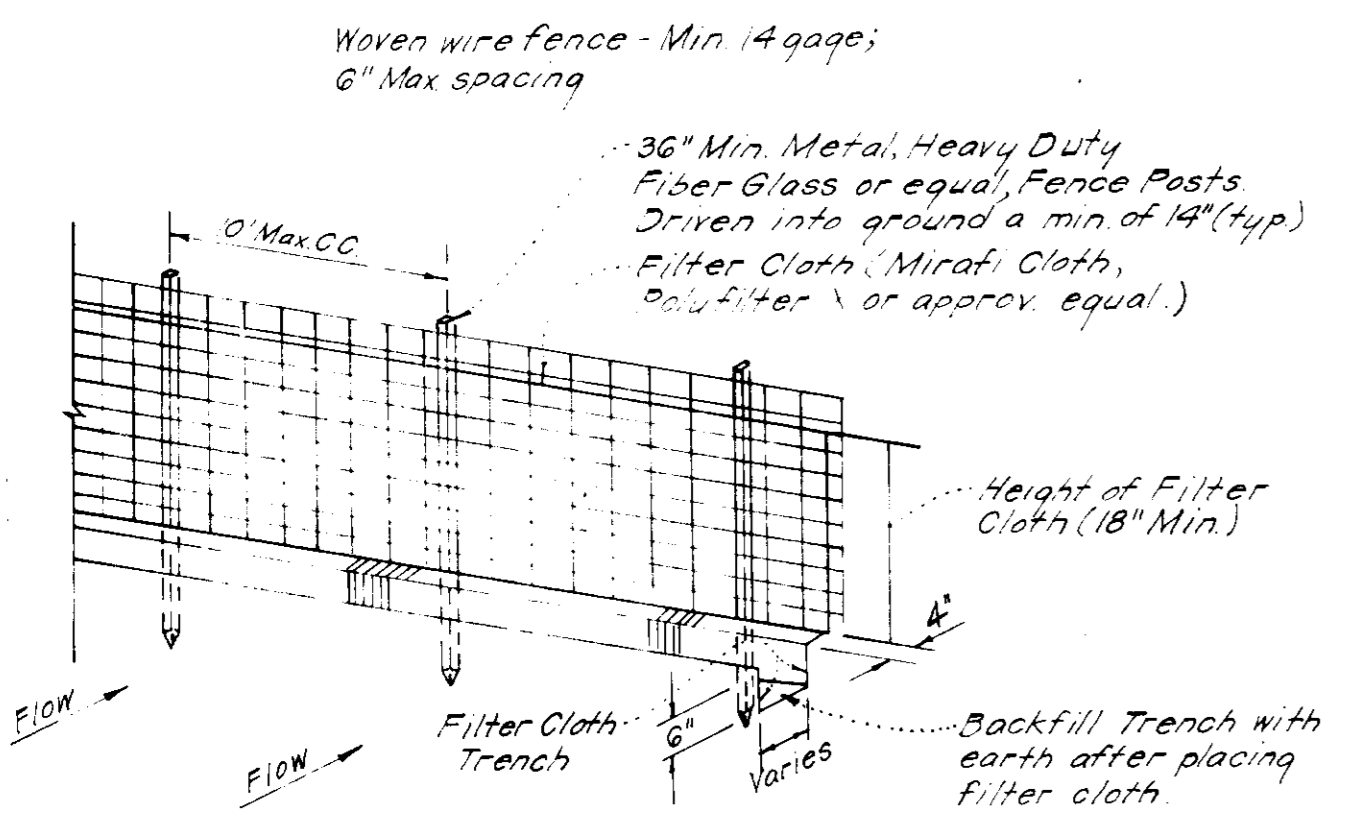
A. Total Area:	1.961	Acres
B. Area to be Roofed:	0.163	Acres
C. Area to be Paved:	0.112	Acres
D. Area to be Seeded:	0.936	Acres
E. Area Undisturbed:	0.744	Acres
- CONSTRUCTION SEQUENCE:
 - Install Sediment & Erosion Control Devices and Stabilize Diversion Dike
 - Excavate for Foundations and Rough Grade
 - Erect Structures, Driveways and Sidewalks
 - Final Grade and Stabilize in accordance with note #6
- If houses are to be constructed on an "As-Said" basis at random, Single Lot Sediment Control, as shown on this sheet, shall be implemented.



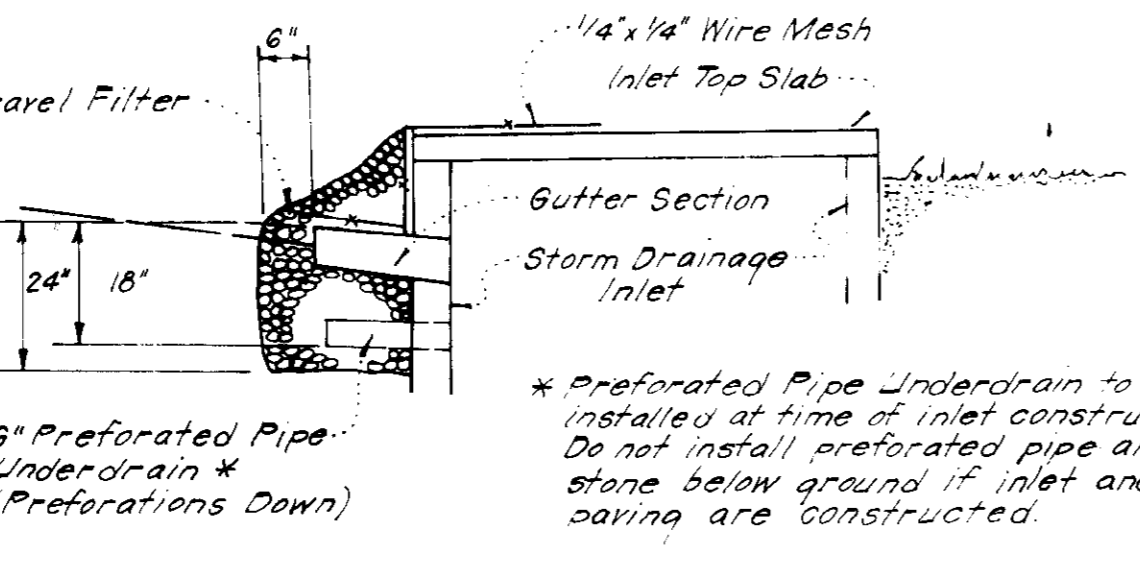
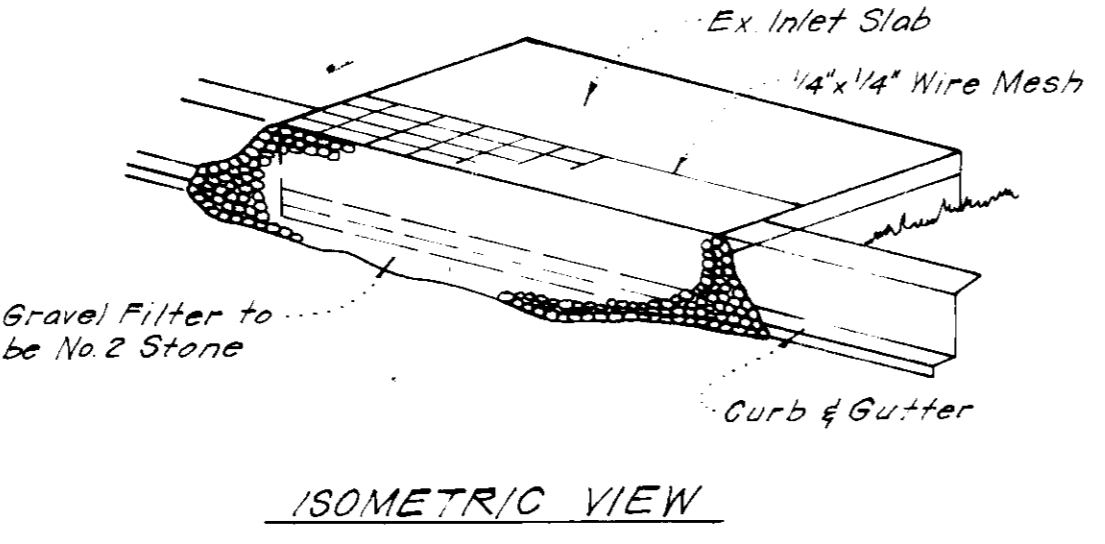
STRAW BALE DIKE DETAIL (S.B.D.)
NO SCALE



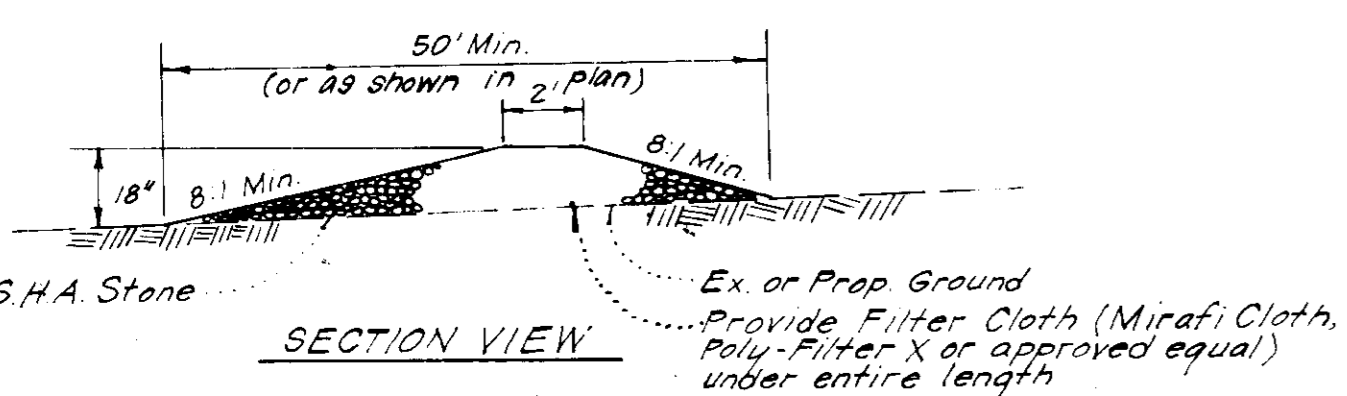
DIVERSION DIKE (D.D.)
NO SCALE



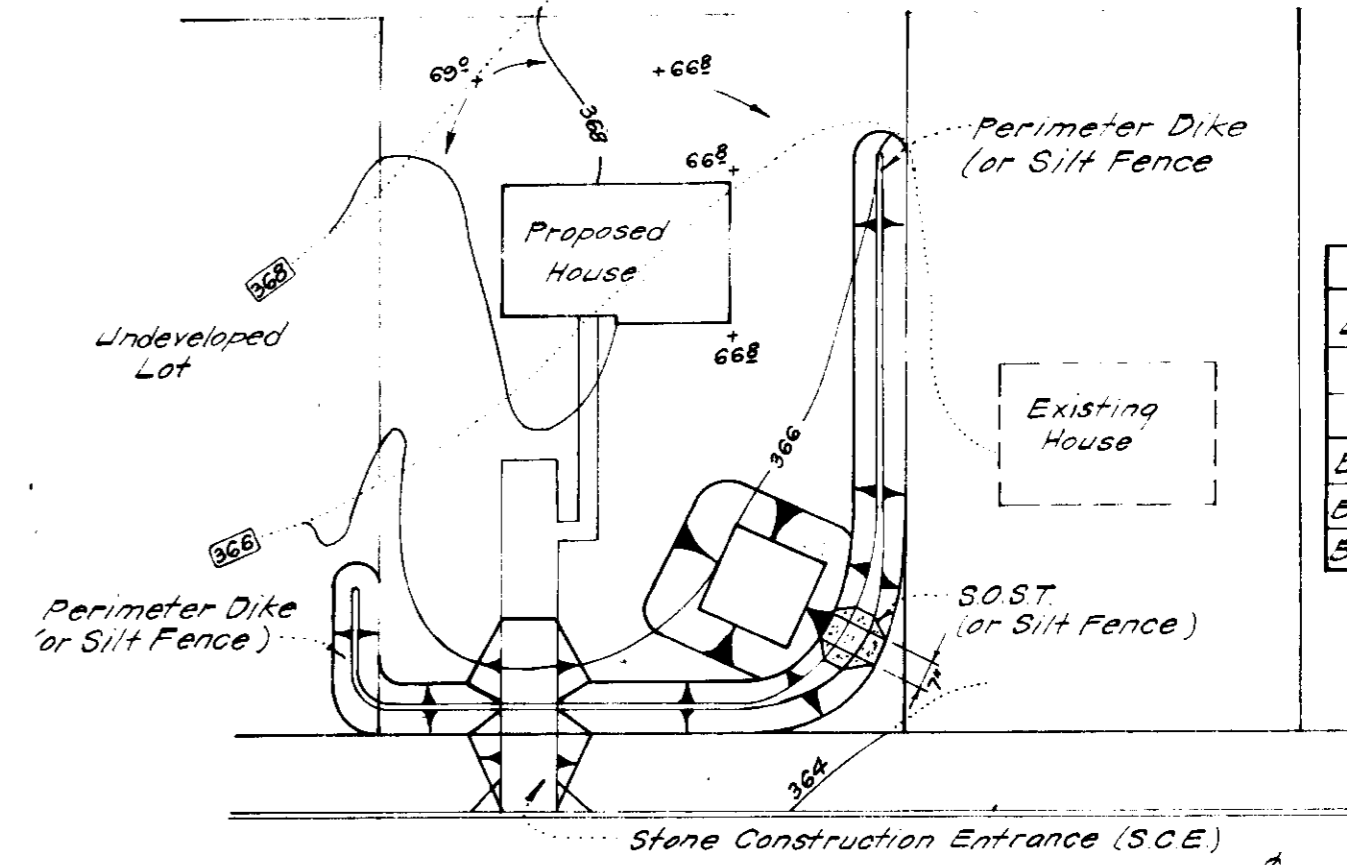
SILT FENCE DETAIL (S.F.)
NO SCALE



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



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



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

* See Std ST-3 pg 2007 for det not shown
** Can be adjusted in field but bottom area must be as given or greater

SINGLE LOT SEDIMENT CONTROL PLAN
NO SCALE

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE **5-11-83**
[Signature]



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 6-9-83
DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] 6-10-83
DATE

APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
[Signature] 6-10-83
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 6-6-83
DATE

[Signature] 6-6-83
DATE

[Signature] 6-6-83
DATE

Reviewed for **HOWARD S.C.D.**
Name
and meets Technical Requirements
[Signature] 6/11/83
Date
Signature
U.S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED
BY THE HOWARD SOIL
CONSERVATION DISTRICT.
[Signature] 6/11/83
Date

"I hereby certify that all development and construction shown on 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 at a Dept. of Natural Resources Approved Training Program for the Control of Sedimentation before beginning the project. I also authorize periodic or site inspection by the Howard Soil Conservation District or its authorized agents, as are deemed necessary."
[Signature] 4-11-83
Date
Signature of Developer/Builder
HARRY L. LUNDY

ENGINEERS CERTIFICATE
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable solution 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] 4-11-83
Date
G. Nelson Clark

CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE, GREENBELT, MARYLAND 20884 (301) 594-1514

DESIGNED	SEDIMENT & EROSION CONTROL PLAN LOTS 2, 4-7, 38 AND 39	SCALE	As shown
DRAWN	COLUMBIA	DRAWING	30/F3
CHECKED	VILLAGE OF HICKORY RIDGE SECTION 2 AREA 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.	83-033
DATE	FOR: LUNDY & CLARK BUILDERS, INC. 1065 LITTLE PATRICK PARKWAY Columbia, Maryland 21044	DATE	83-033-SE

4-11-83

SDP-83-167