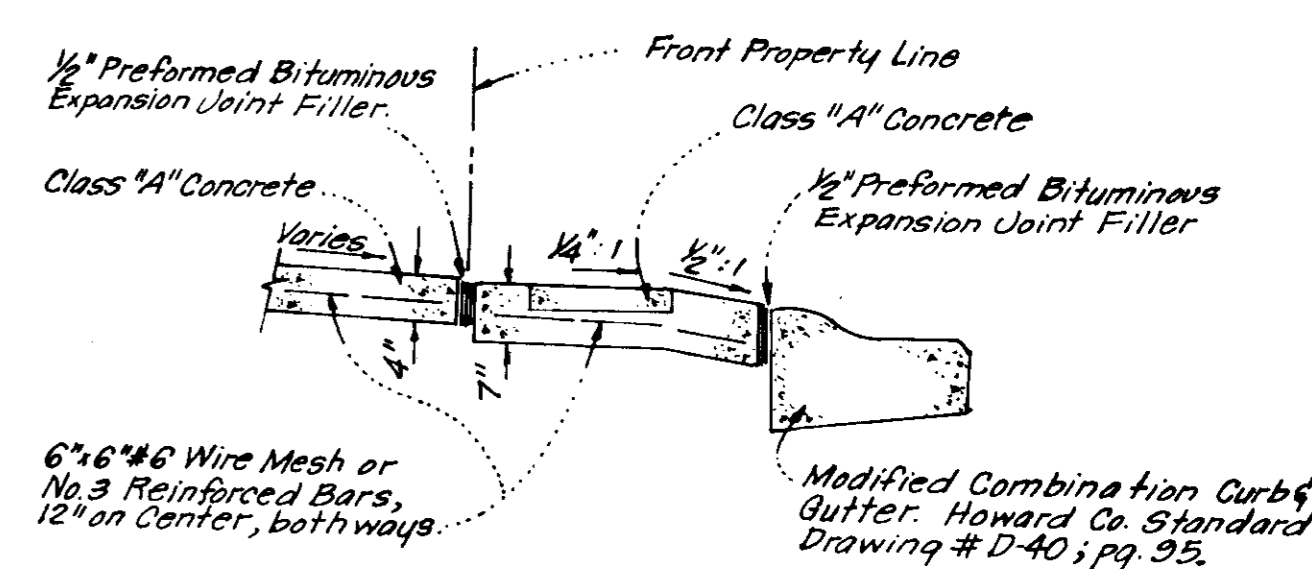
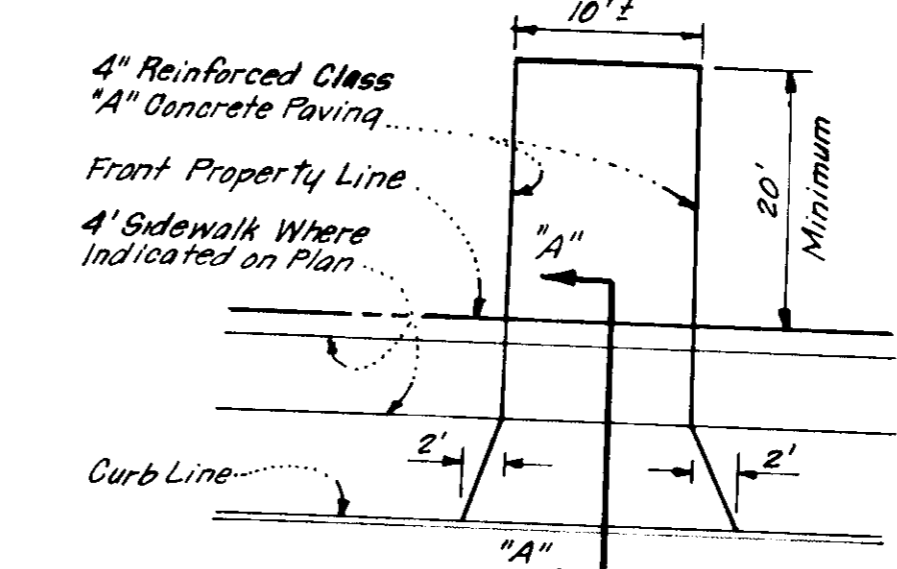
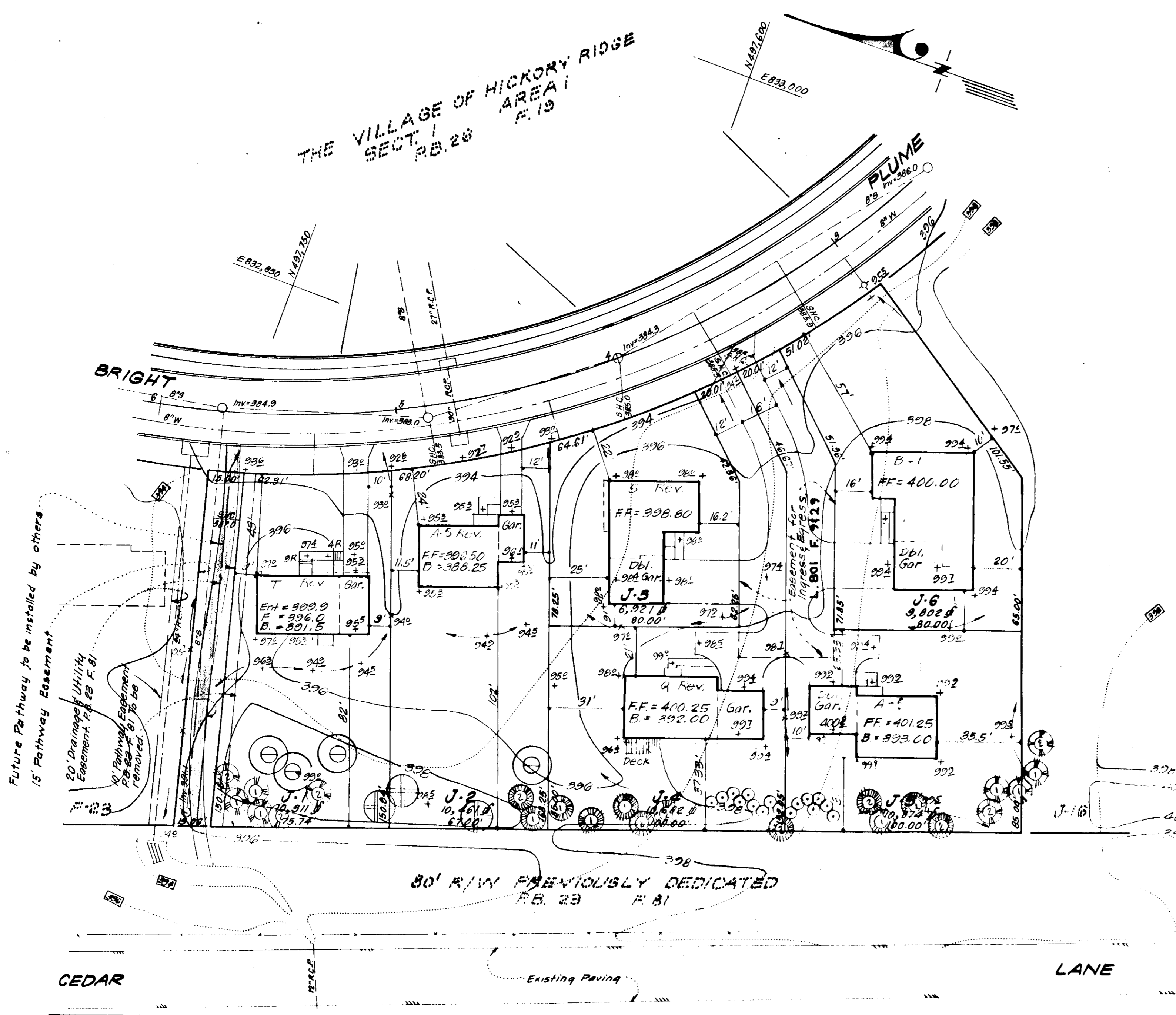


BUFFER PLANT SCHEDULE

KEY	PLANT NAME	SIZE
⊙	Quercus palustris	14-16' ht. 3-3 1/2" cal.
⊙	Pinus nigra	8-10' ht.
⊙	Pinus nigra	6-8' ht.
⊙	Pinus strobus	8-10' ht.
⊙	Pinus strobus	8-10' ht.
⊙	Prunus yedoensis	8-10' ht.
⊙	Viburnum rhytidophyllum	3-4' ht.

NOTE: All planting shall be in accordance with HRD Columbia planting specifications. Final locations of plant material may vary in the field according to the landscape architect. Varieties of plant material may vary slightly depending on availability at time of planting.



NOTE: Use Residential Driveway Entrance, Howard Co. Drawing # D-34, pg. 83, Except Where Driveway Abuts Modified Combination Curb & Gutter.

NOTE: All Materials & Construction shall be in accordance with Howard Co. Road Construction Code.

PLAN
DRIVEWAY ABUTTING MODIFIED CURB & GUTTER
NO SCALE

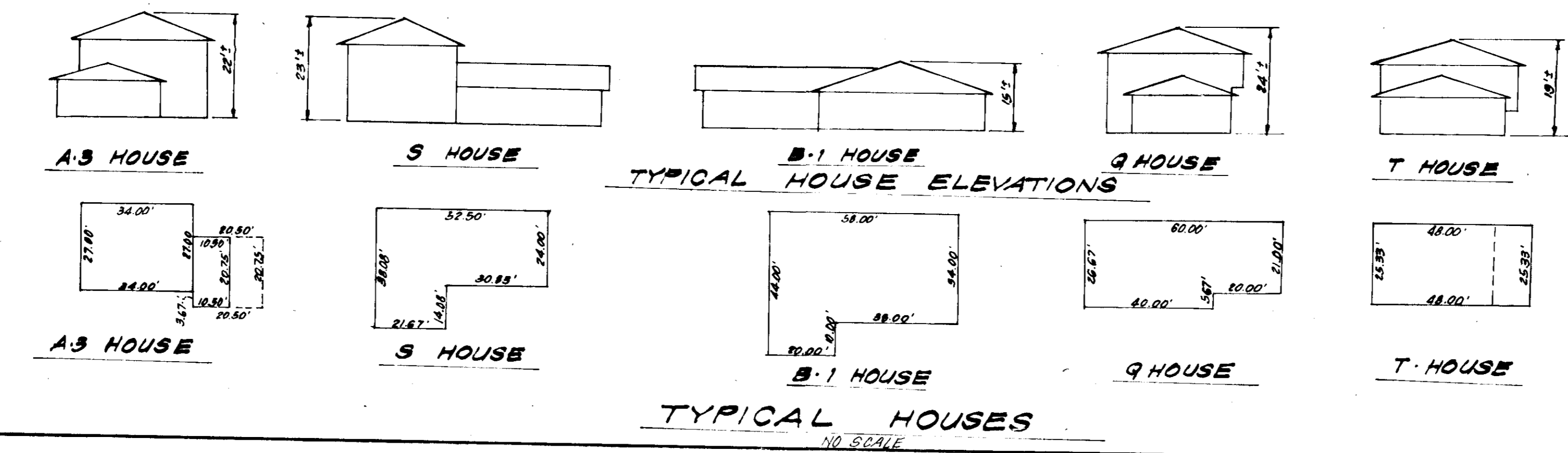
LEGEND

- Contour Interval: 2 FT
- Existing Contour: 3.00
- Proposed Contour: 3.00
- Spot Elevations: + 3.05
- Direction of Drainage
- Yard Requirements:
Front: 20 Ft. on 50' Wide Street
30 Ft. on 60' Wide Street
Back: 7.5' (Min.)
- Walk out Basement: WOB
- Timber Retaining Wall

GENERAL NOTES

- The Land included in this plan is zoned NewTown (S.F.M.D.)
- The Lots shown on this plan are covered by Final Development Plan Phase 100-A recorded in Plat Book 20 Folio 143 to 157
- All coordinates on this plan are based on Maryland State Grid System. Elevations are based on the U.S. Coast and Geodetic Survey Mean Sea Level Datum of 1929.
- The Area Covered in this Submission is located on Tax Map No. 35
- The Total Area included in this plan is 1.36 Acres.
- All Roadways shown are public and existing.
- Any damage to County owned Right of Ways or paving shall be corrected at the Developer's expense.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 JAMES M. [Signature] MA 1-17-77
 HEALTH OFFICER
 HOWARD COUNTY OFFICE OF PLANNING & ZONING
 [Signature] 1-18-77
 PLANNING DIRECTOR
 DIVISION OF LAND DEVELOPMENT
 [Signature] 1-18-77
 DATE
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, ETC. OF DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 1-11-77
 [Signature] 1-10-77
 DATE



APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE 12-3-76
 [Signature] 1-18-77

NOTE: For bearings and distances of individual lot lines, see record plat recorded as Plat 3556 A Resubdivision of Parcels I & J.

CLARK • FINEROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LUCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400
 DESIGNED: WRMS
 DRAWN: K.I.W.
 CHECKED: WRMS
 DATE: Sept, 1976
 SITE DEVELOPMENT PLAN
 LOTS J-1 THRU J-6
COLUMBIA
 VILLAGE OF HICKORY RIDGE
 SECTION I AREA I
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: WASHINGTON HOMES INC., Suite 204
 8775 Cloud Leap Court, Lang Beach Village Center
 Columbia, Maryland, 21045
 SCALE: 1"=30'
 DRAWING: 1069
 JOB NO.:
 FILE NO.: 1219-X

Reviewed for Howard Co. S.C.D.
 Name
 and meets Technical Requirements
Eric V. Herman 11/6/77
 Signature Date
 U.S. Soil Conservation Service

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

Robert W. Wilson 1-6-77
 Approved Date

DEVELOPER'S CERTIFICATE

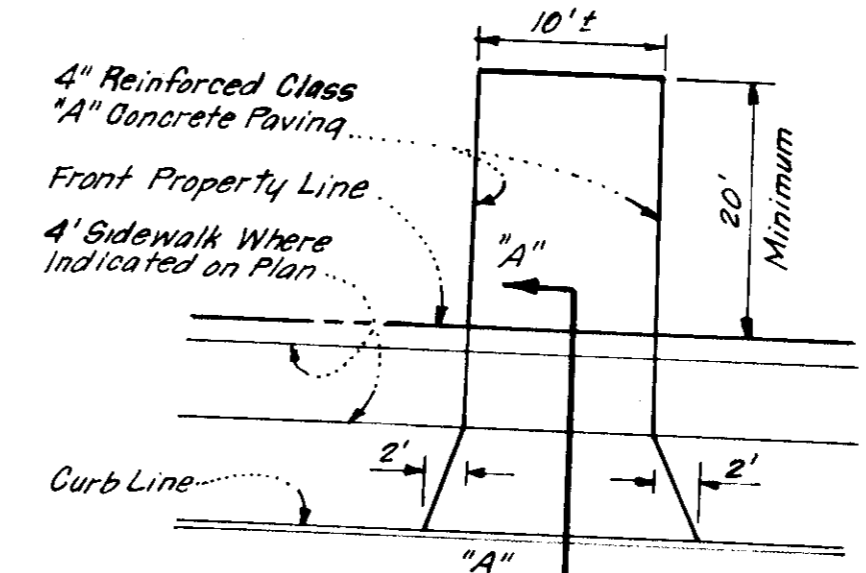
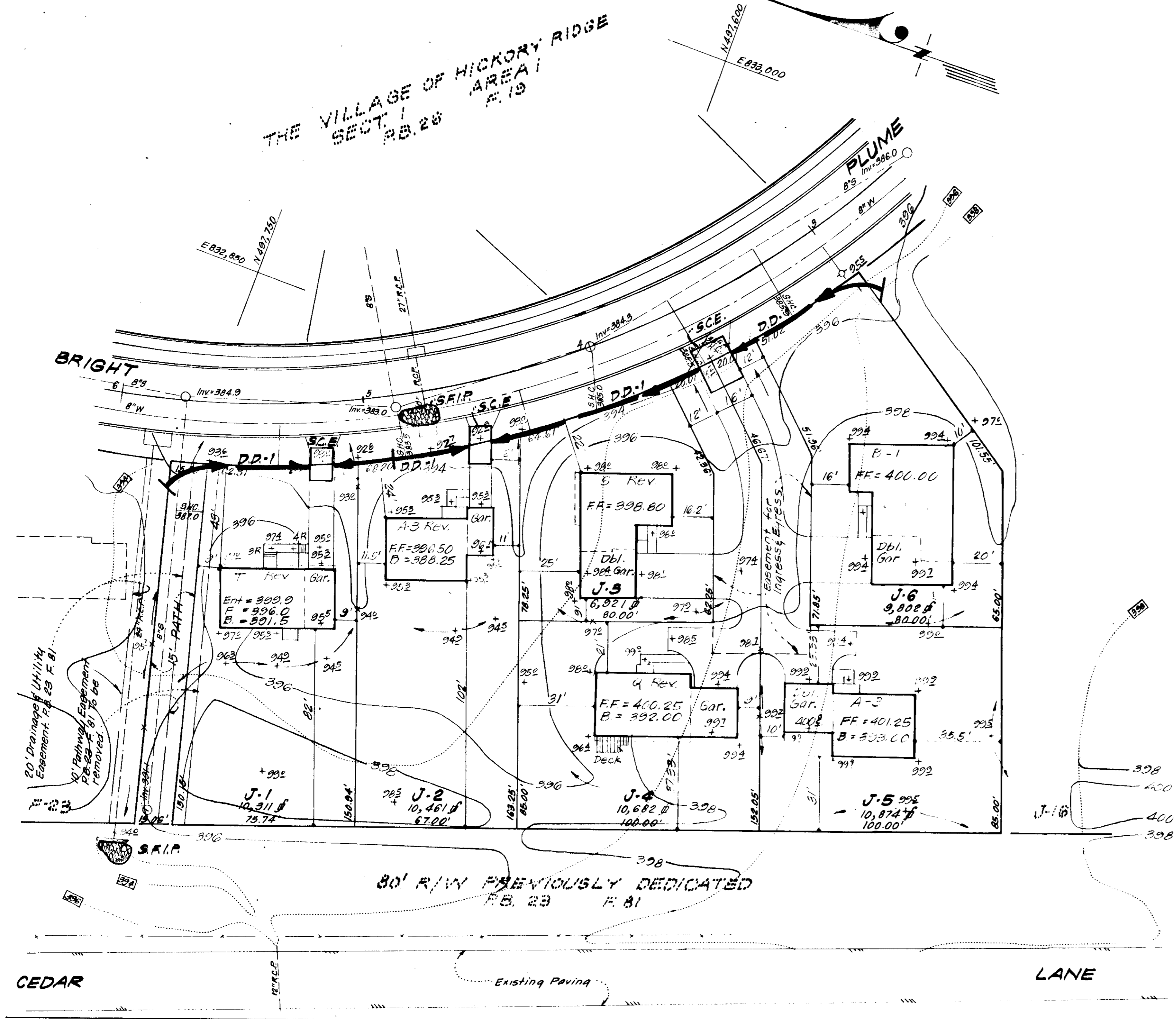
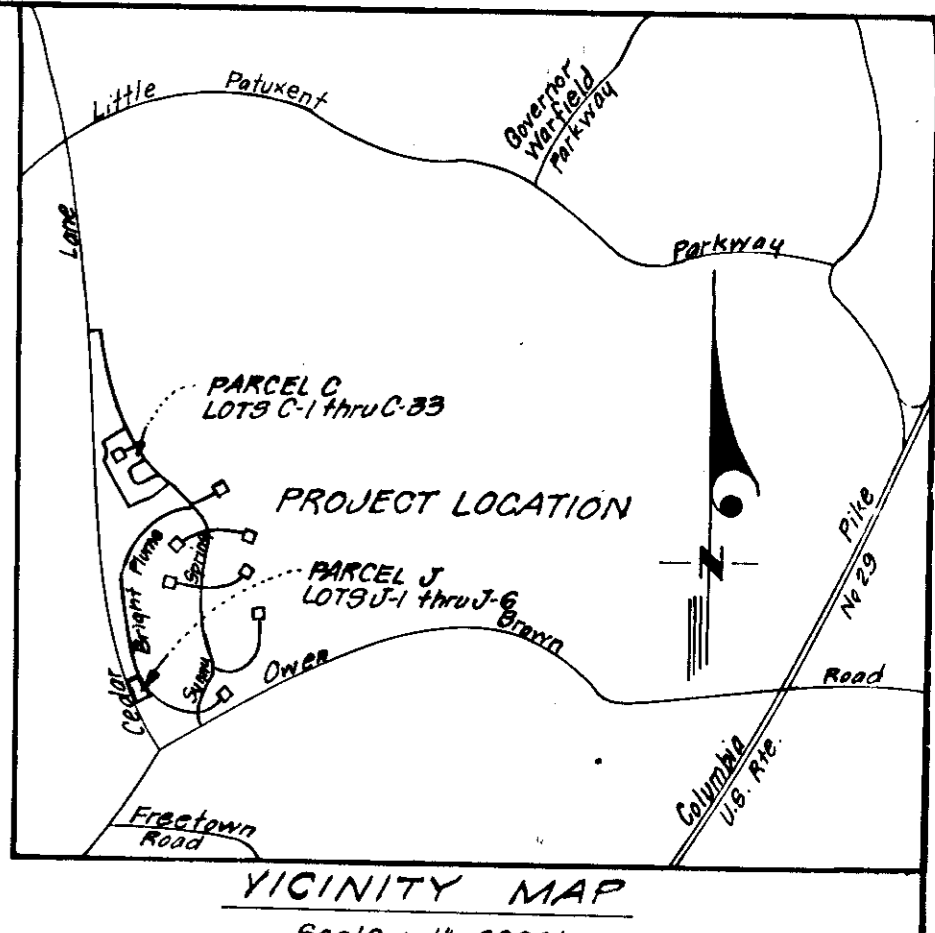
I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

J. Ward Stehle 11/17/76
 Signature Date

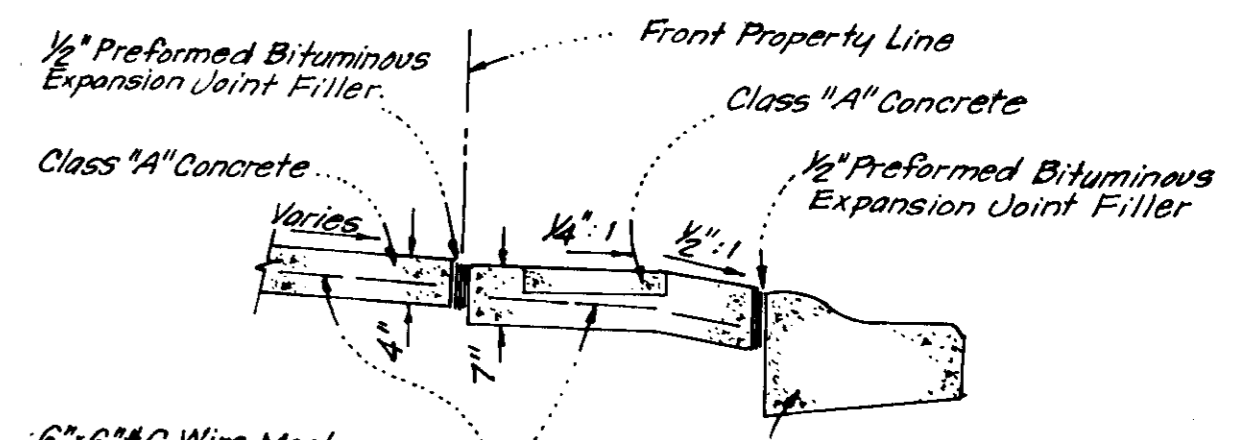
ENGINEER'S CERTIFICATE

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.

J. Nelson Clark 10-29-76
 Signature Date



NOTE: Use Residential Driveway Entrance, Howard Co. Drawing # D-34, pg. 89, Except Where Driveway Abuts Modified Combination Curb & Gutter.



NOTE: All Materials & Construction shall be in accordance with Howard Co. Road Construction Code.

PLAN
 DRIVEWAY ABUTTING MODIFIED CURB & GUTTER
 NO SCALE

LEGEND

- Contour Interval 2 FT
- Existing Contour 300
- Proposed Contour 308
- Spot Elevations + 305
- Direction of Drainage
- Yard Requirements: Front: 20 Ft on 50' Wide Street, 30 Ft on 60' Wide Street, Back: 7.5' (Min)
- Walk out Basement WOB
- Timber Retaining Wall
- Diversion Dike D.D.-1
- Stone Filter Inlet Protection S.F.I.P.
- Stone Construction Entrance S.C.E.

GENERAL NOTES

- The Land included in this plan is zoned NewTown (S.F.M.D.)
- The Lots shown on this plan are covered by Final Development Plan Phase 100-A recorded in Plat Book 20 Folio 149-157
- All coordinates on this plan are based on Maryland State Grid System. Elevations are based on the U.S. Coast and Geodetic Survey Mean Sea Level Datum of 1929.
- The Area Covered in this Submission is located on Tax Map No. 35.
- The Total Area included in this plan is 1.36 Acres.
- All Roadways shown are public and existing.
- Any damage to County owned Right of Ways or paving shall be corrected at the Developer's expense.

APPROVED
 DIVISION OF LAND DEVELOPMENT

HOWARD COUNTY, MARYLAND
 DATE 12-3-76

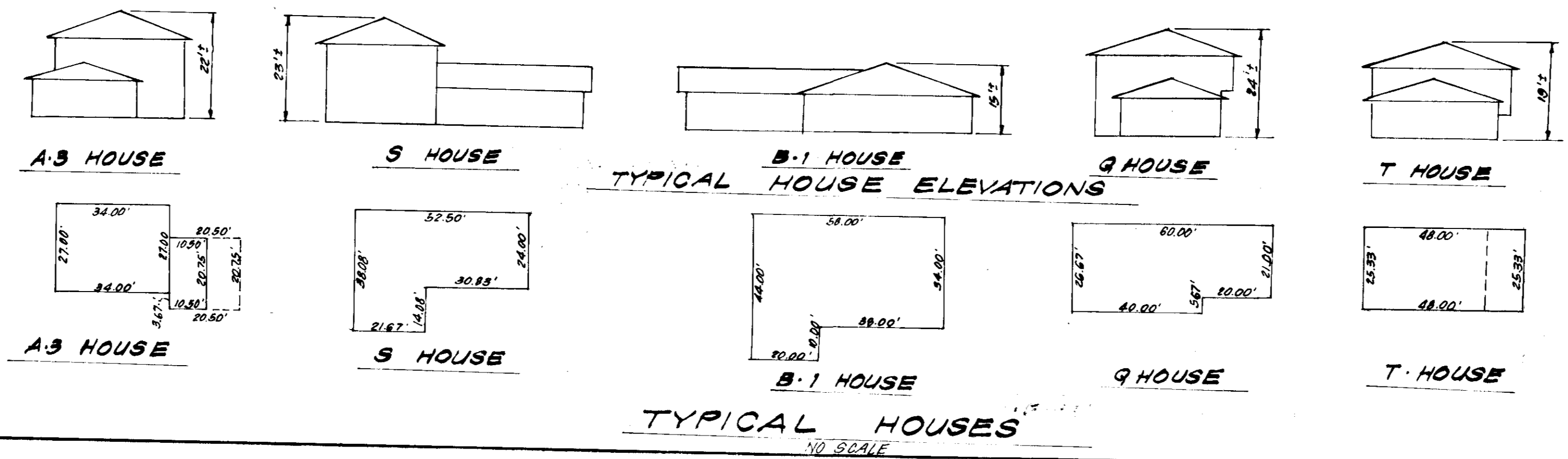
NOTE: For bearings and distances of individual lot lines, see record plat recorded in Plat Book 3556 A Resubdivision of Parcels I & J.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS: HOWARD COUNTY HEALTH DEPARTMENT
Joseph M. Brodeur 1-13-77
 COUNTY HEALTH OFFICER DATE

APPROVED FOR PLANNING AND ZONING: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
William L. Harris 1-18-77
 PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
J. S. Pappas 1-11-77
 DEPT. CHIEF DATE

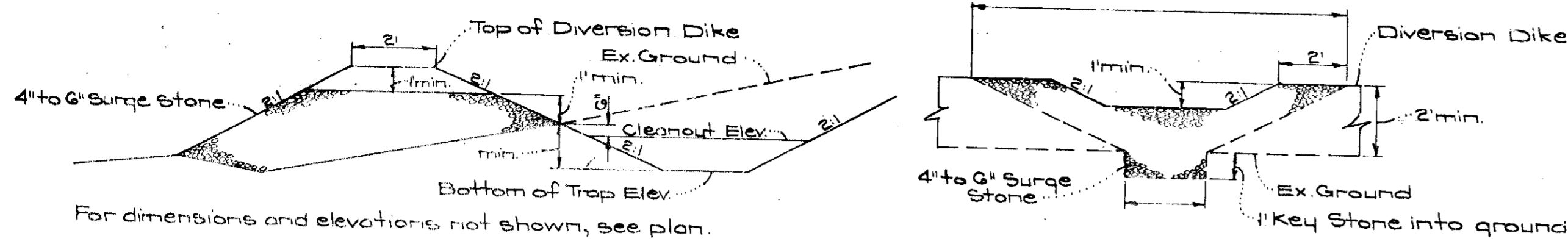
APPROVED FOR HIGHWAYS: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
J. H. Hebland 4/10/77
 CHIEF HIGHWAYS DATE



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

DESIGNED BY: W.R.M.S. SEDIMENT & EROSION CONTROL PLAN LOTS J-1 THRU J-6
 DRAWN BY: K.I.W. COLUMBIA
 CHECKED BY: W.R.M.S. VILLAGE OF HICKORY RIDGE SECTION 1 AREA 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 DATE: Oct., 1976 FOR: WASHINGTON HOMES INC., Suite 224 8775 Old Leap Court, Long Beach Village Center Columbia, Maryland 21045

SCALE: 1"=30'
 DRAWING NO: 20f3
 JOB NO.:
 FILE NO.: 1206-5E

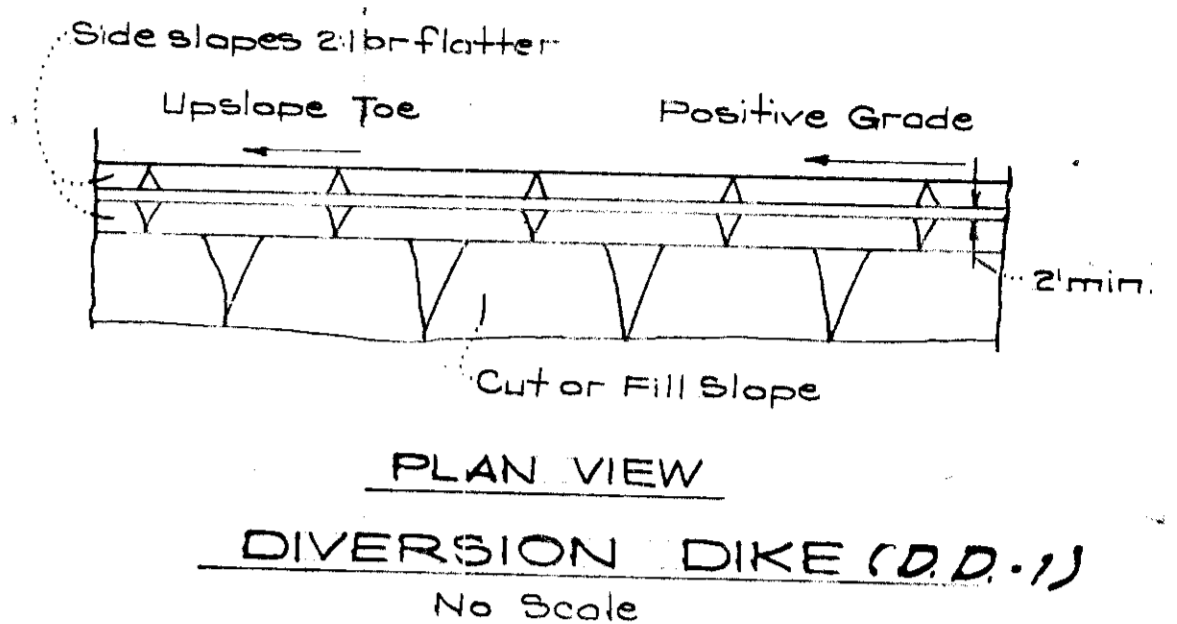


SEDIMENT TRAP DETAILS

SEDIMENT TRAP NOTES

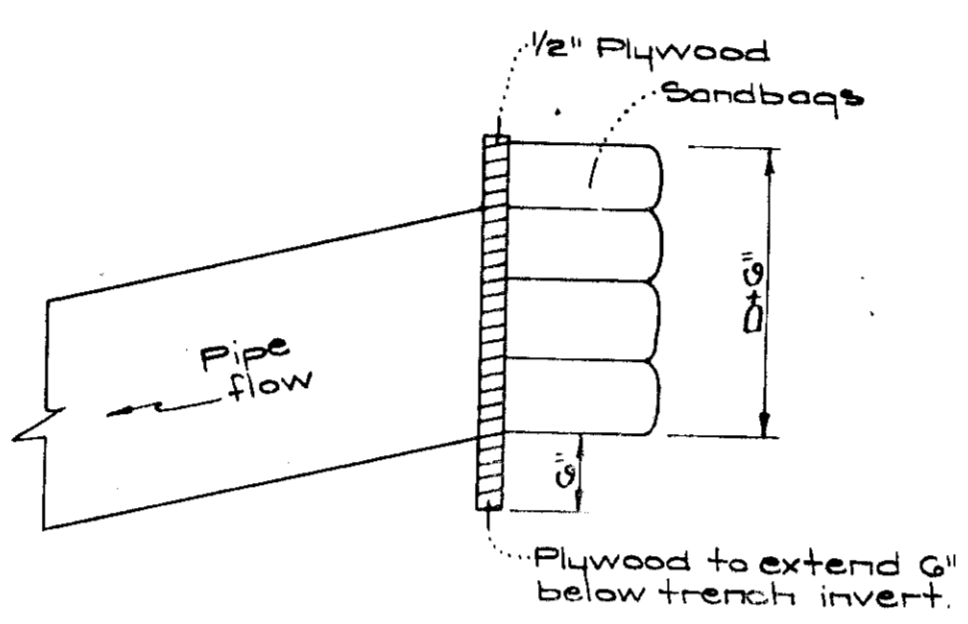
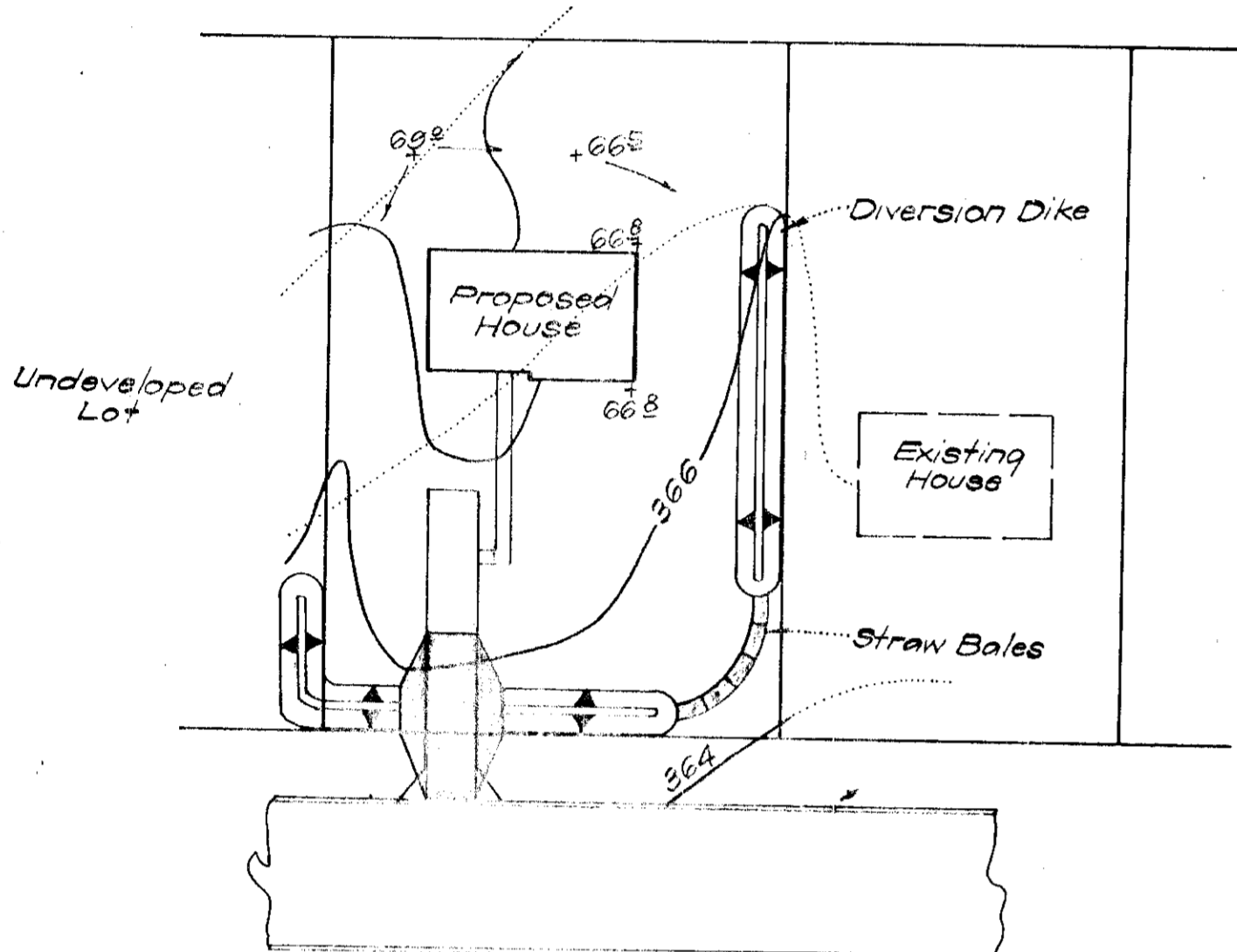
1. All Sediment Traps to be cleaned out when sediment reaches a level 6" below the existing ground line.
2. Bottoms of all Sediment Traps to be level and constructed to the dimensions shown in plan view.
3. Spillways to be constructed through diversion dikes adjacent to excavated portion of sediment trap.

STONE CONSTRUCTION ENTRANCE DETAIL (S.C.E.)

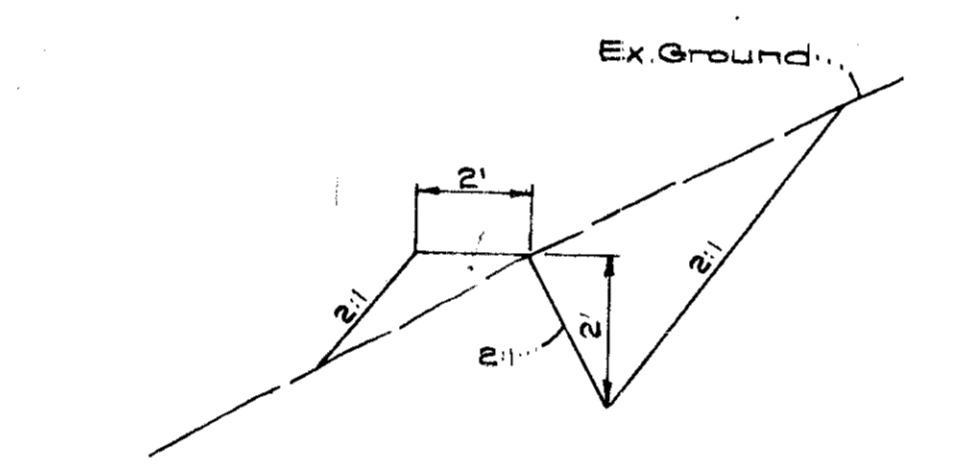


GENERAL NOTES

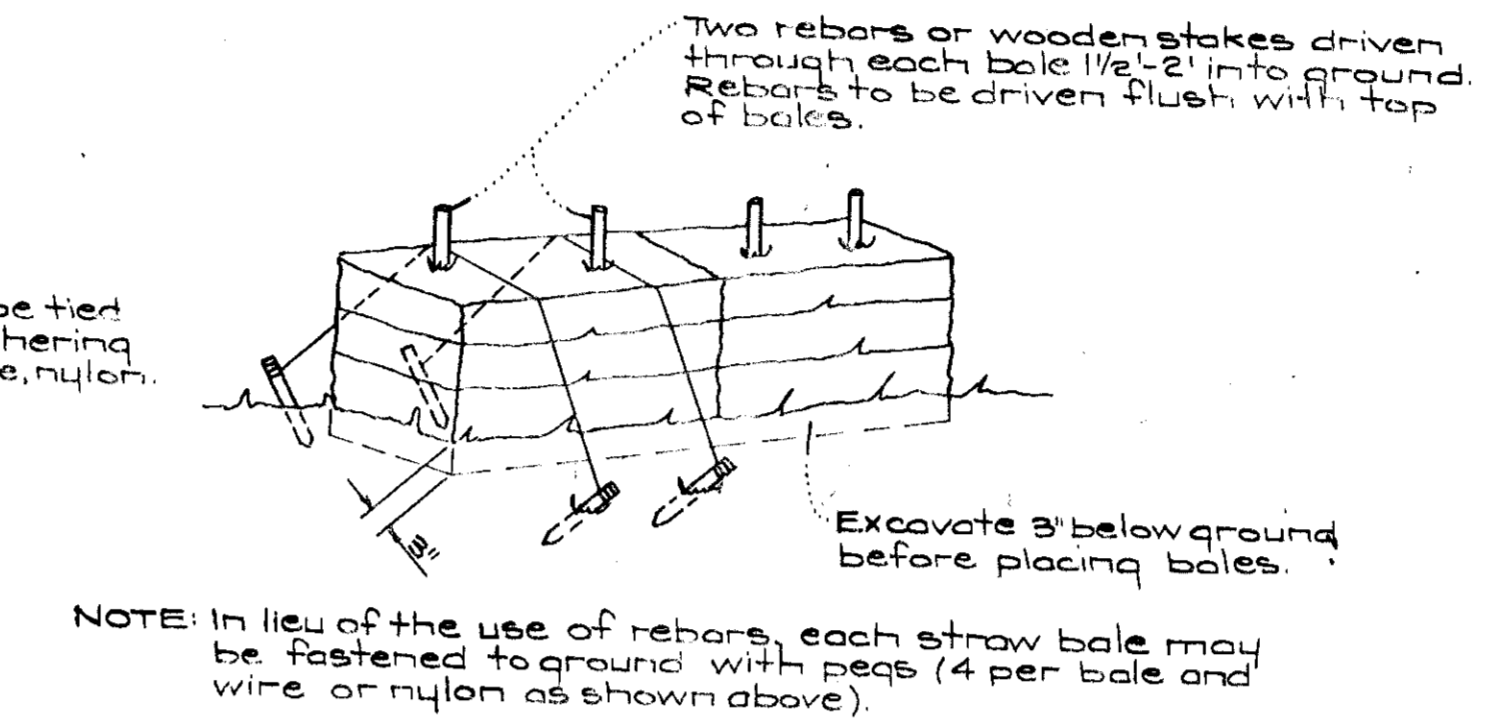
1. All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing, or disturbance of the existing surface of the site. See Note #5 for stabilization except that the seed mixture will be Kentucky 21 applied at the rate of 14 lbs./1000 sq. ft.
2. Notify the Howard Soil Conservation District and the Bureau of Inspections and Permits at least 24 hours before starting any work.
3. All sediment control practices to conform to the standards and specifications for Soil Erosion and Sediment Control in Urbanizing Areas and shall be adjusted to meet actual field conditions.
4. Stabilization of disturbed ground to be done as soon after construction as possible.
5. All graded areas shall be treated in accordance with the following specifications:
 - a. Seed-certified 85% germination applied at the rate of 2 lbs./1000 sq. ft. mixture 40% Kentucky Blue, 20% Chewink Fescue, 20% Kentucky 21, and 20% Annual Ryegrass.
 - b. Fertilizer 5-10-10 applied at the rate of 23 lbs./1000 sq. ft. Ground agricultural lime or dolomitic lime applied at the rate of 40 lbs./1000 sq. ft.
 - c. Mulch: Weed free grain straw applied at the rate of 70 lbs./1000 sq. ft. Mulch shall be sealed to the ground by any approved method i.e. asphalt tack, chemical binder, wood chips, etc.
6. All structural sediment control measures are to remain in place until permission for their removal has been obtained from the Howard Soil Conservation District, phone 465-2180 or 465-5000, ext. 4473.
7. On site inspection and maintenance of all sediment control measures including cleanout of sediment traps or 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.
8. Protection of stabilized area from sediment runoff shall be provided by the use of an approved sediment control device, i.e. straw bale, diversion dikes.
9. Site Analysis:
 - Total Area: 1.36 Acres
 - Area To Be Reroofed: 0.21 Acres
 - Area To Be Paved: 0.14 Acres
 - Area To Be Seeded: 0.87 Acres
 - Area Undisturbed: 0.14 Acres
10. The Contractor shall keep all public roads free of sediment deposits left from heavy truck traffic leaving construction site.
11. Stone filterdikes shall be constructed at all construction entrances.
12. CONSTRUCTION SEQUENCE
 - (a) Install Sediment & Erosion Control Devices and stabilize Diversion Dikes
 - (b) Excavate for foundations and rough grade.
 - (c) Erect Structures, driveways and sidewalks.
 - (d) Final grade and stabilize in accordance with General Note #5
13. If Houses are to be constructed on an "As-Sold" basis of random, Single Lot Sediment Control, as shown on this sheet, shall be implemented.
14. It will be the Developer's responsibility to provide additional Sediment and Erosion Control Devices to protect stabilized areas during construction.
15. Total Amount of Straw Bales shown.



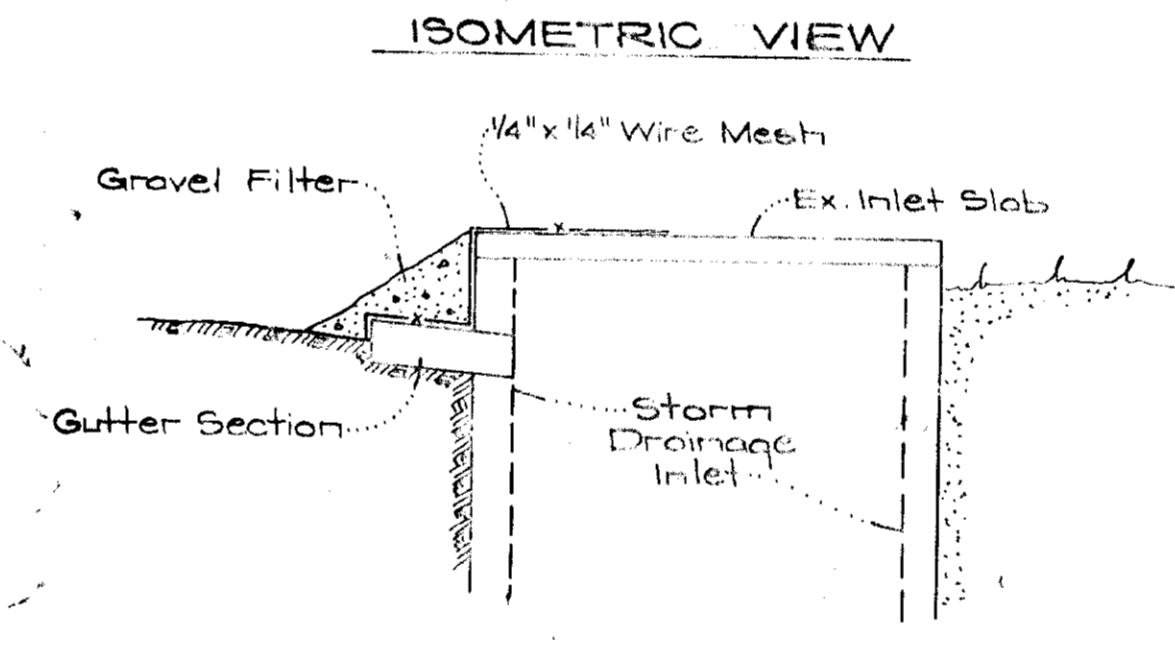
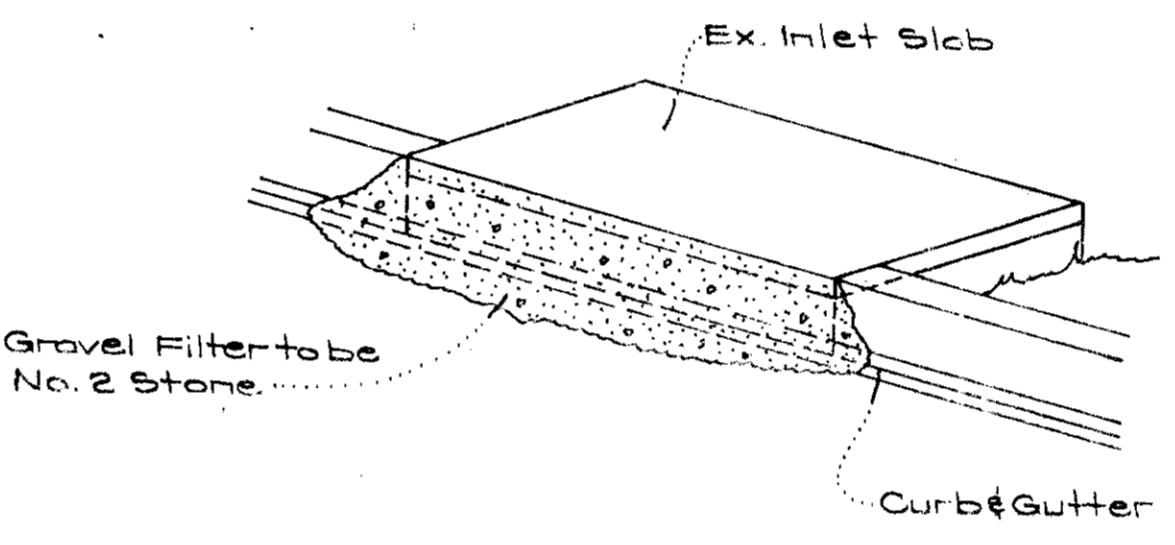
PIPE BLOCKING DETAIL



CUT DIVERSION DIKE



TYPICAL STRAW BALE DETAIL



STONE FILTER INLET PROTECTION DETAIL

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER
 DATE 1-13-77

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR
 DATE 1-18-77

CHIEF DIVISION OF LAND DEVELOPMENT
 DATE 1-18-77

Reviewed for _____ S.C.D.
 Name _____
 and meets Technical Requirements
 Signature _____ Date _____
 U.S. Soil Conservation Service

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

APPROVED: _____ DATE: _____

DEVELOPER'S CERTIFICATE

I certify that all development and/or construction will be done according to the plan of development and plan for Erosion and Sediment Control and I authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

Date _____ Signature _____

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.

Date 10-29-76 Signature C. Nelson Clark

12-3-76
 1-18-77

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR
 DATE 1-11-77

CHIEF, BUREAU OF HIGHWAYS
 DATE 1-11-77

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 693-8400

DESIGNED BY WRMC
 DRAWN BY KIW
 CHECKED BY G.N.C.
 DATE Oct, 1976

SEDIMENT & EROSION CONTROL PLAN
 LOTS 1-1 THRU 3-6
COLUMBIA
 VILLAGE OF HICKORY RIDGE
 SECTION 1 AREA 1
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN
 DRAWING: 3 of 3
 SHEET NO.: 1200-SE

For: Washington Homes Inc. (Suite 224)
 8775 Cloudgate Court Long Reach Village Center
 Columbia, Md. 21045