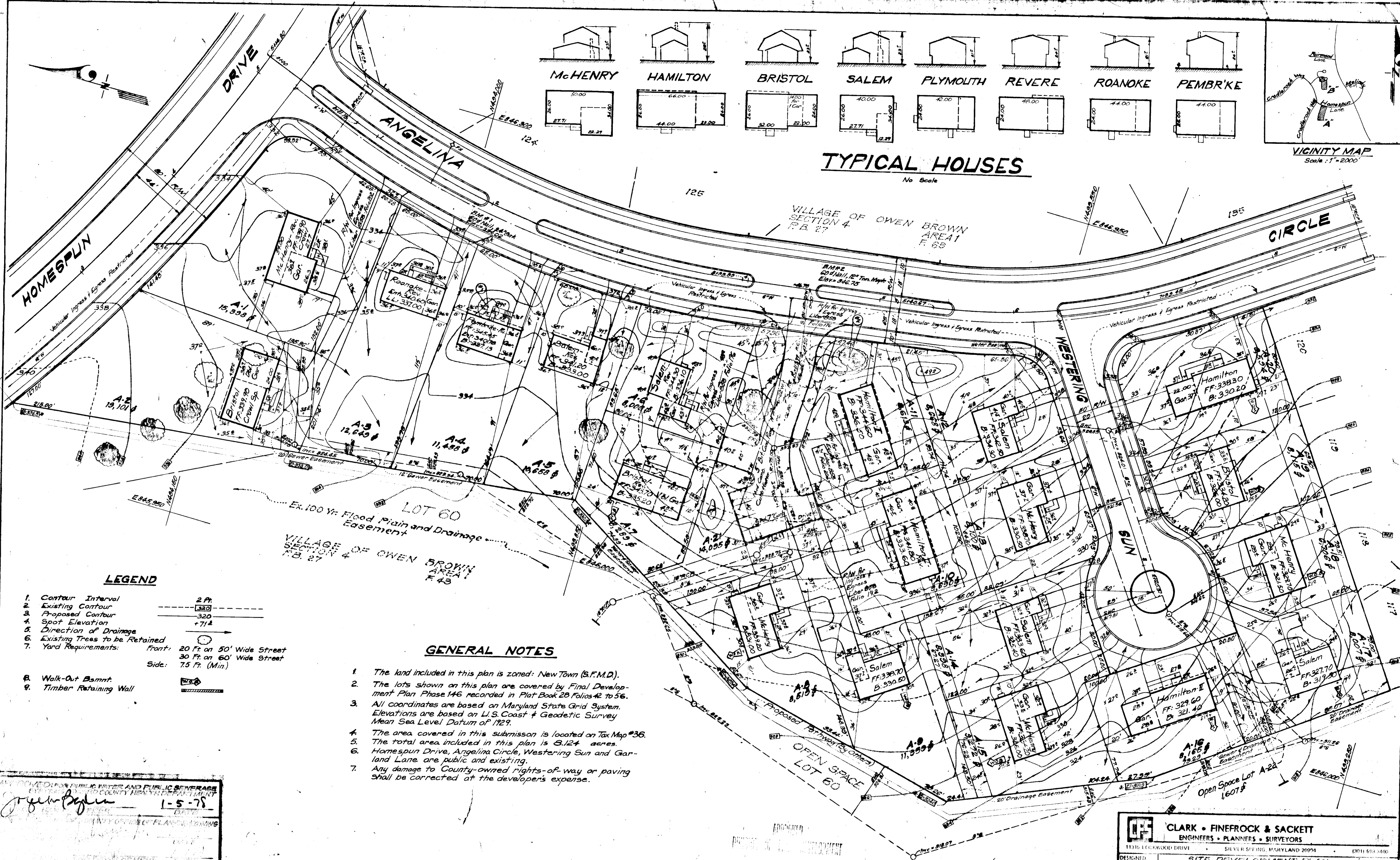
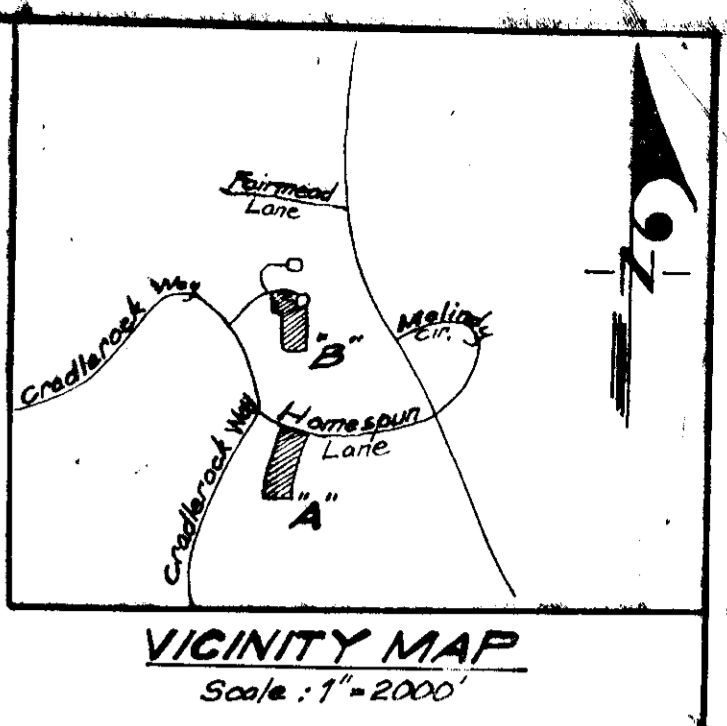


TYPICAL HOUSES
No Scale



LEGEND

1. Contour Interval: 2 Ft.
2. Existing Contour: [Symbol]
3. Proposed Contour: [Symbol]
4. Spot Elevation: +71.4
5. Direction of Drainage: [Symbol]
6. Existing Trees to be Retained: [Symbol]
7. Yard Requirements: Front: 20 Ft. on 50' Wide Street; 30 Ft. on 60' Wide Street; Side: 7.5 Ft. (Min)
8. Walk-Out Basmt: [Symbol]
9. Timber Retaining Wall: [Symbol]

GENERAL NOTES

1. The land included in this plan is zoned: New Town (S.F.M.D).
2. The lots shown on this plan are covered by Final Development Plan Phase 146 recorded in Plat Book 28 Folios 42 to 56.
3. All coordinates are based on Maryland State Grid System. Elevations are based on U.S. Coast & Geodetic Survey Mean Sea Level Datum of 1929.
4. The area covered in this submission is located on Tax Map #36.
5. The total area included in this plan is 3.124 acres.
6. Homespun Drive, Angelina Circle, Westering Sun and Garland Lane are public and existing.
7. Any damage to County-owned rights-of-way or paving shall be corrected at the developer's expense.

JOHN BYLER
1-5-75
PLANNING DEPARTMENT

10-11-77

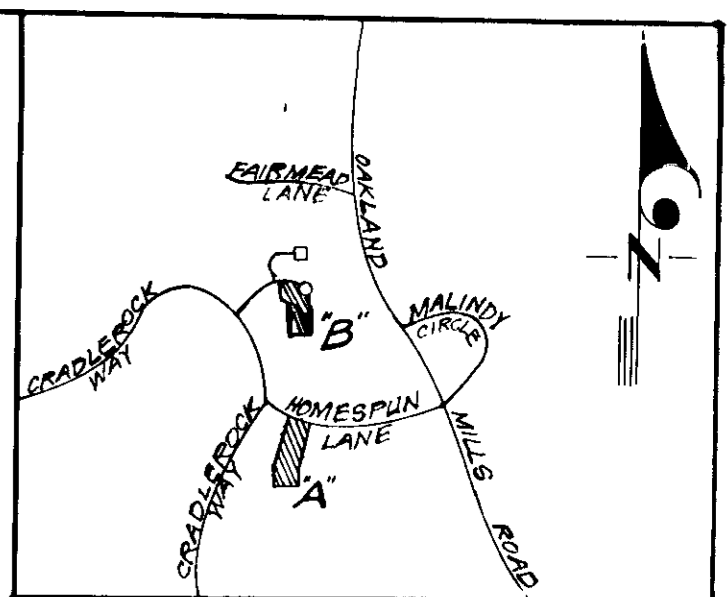
Donald B. Sackett

CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20994 (301) 584-5400

DESIGNED DR.H. SITE DEVELOPMENT PLAN
DRAWN DR.H. LOTS A-1 THRU A-22
CHECKED R.B.S. LOTS B-1 THRU B-22
DATE Aug. 1977

COLUMBIA
VILLAGE OF OWEN BROWN AREA #1
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR THE RYLAND GROUP, INC. (Division)
Suite 900 V.O.M. Office Bldg.
Columbia, Maryland 21046

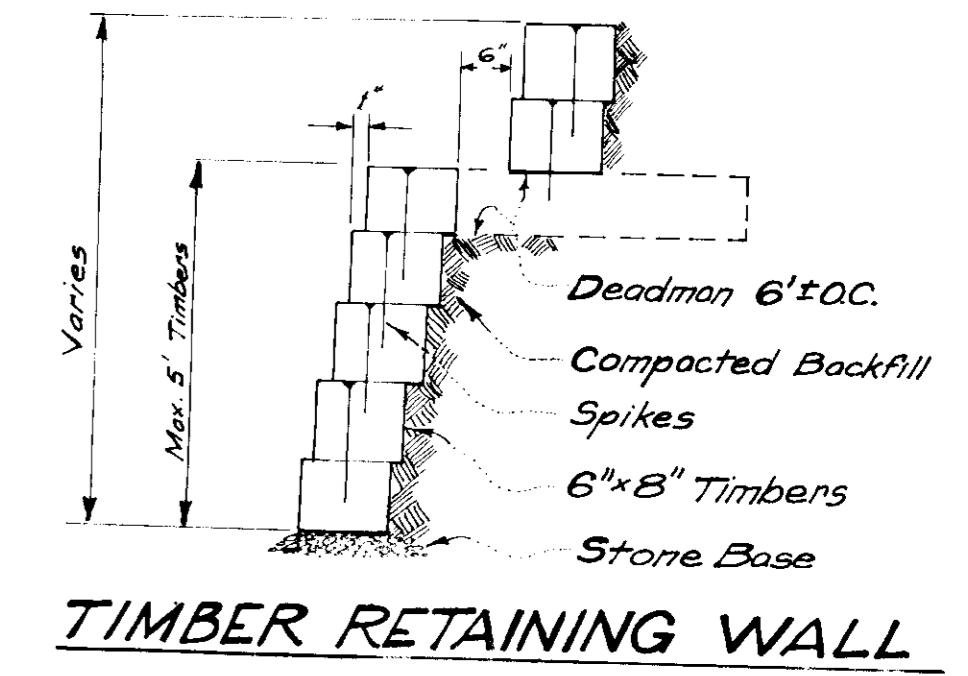
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EASING: 1" = 5'
JOB NO: 100-110
DATE: 12-77
1275-X



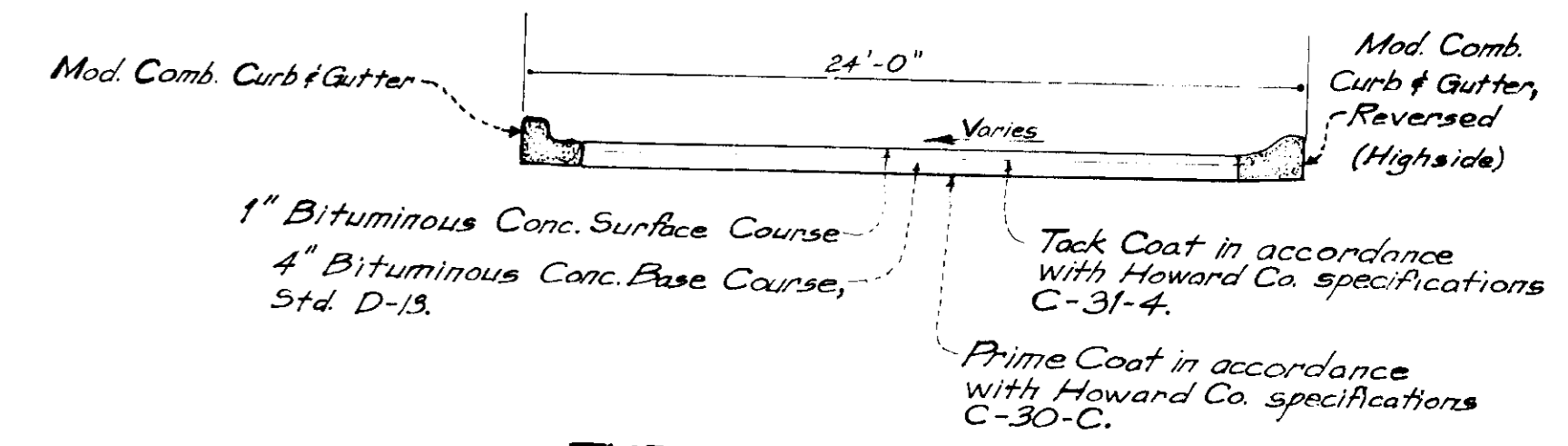
VICINITY MAP
Scale: 1" = 200'

LEGEND

1. Contour Interval 2 ft.
2. Existing Contour 372
3. Proposed Contour 372
4. Spot Elevation +72.2
5. Direction of Drainage
6. Existing Trees to be Retained
7. Yard Requirements: Front: 20' on 50' Wide Street
30' on 60' Wide Street
Side: 7.5 Ft. (Min.)
8. Walk-Out Basement
9. Timber Retaining Wall

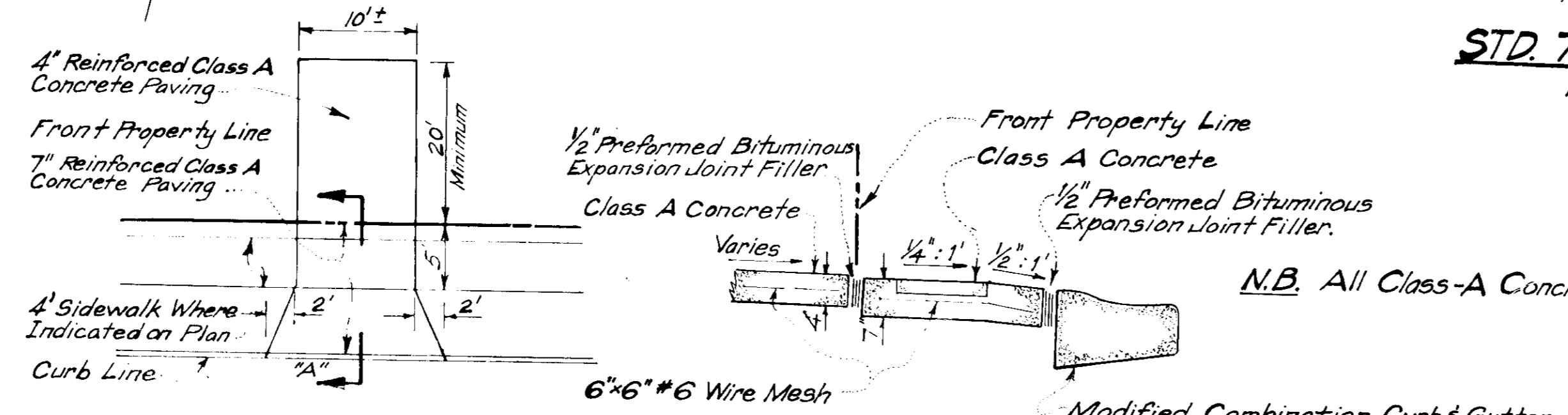


TIMBER RETAINING WALL



**TYPICAL PAVING SECTION
PRIVATE DRIVE**
No Scale

STD. 7" COMB. CURB & GUTTER
Howard Co. Std. Dwg. D-40.
No Scale



DRIVEWAY ABUTTING MODIFIED COMB. CURB & GUTTER
NO SCALE

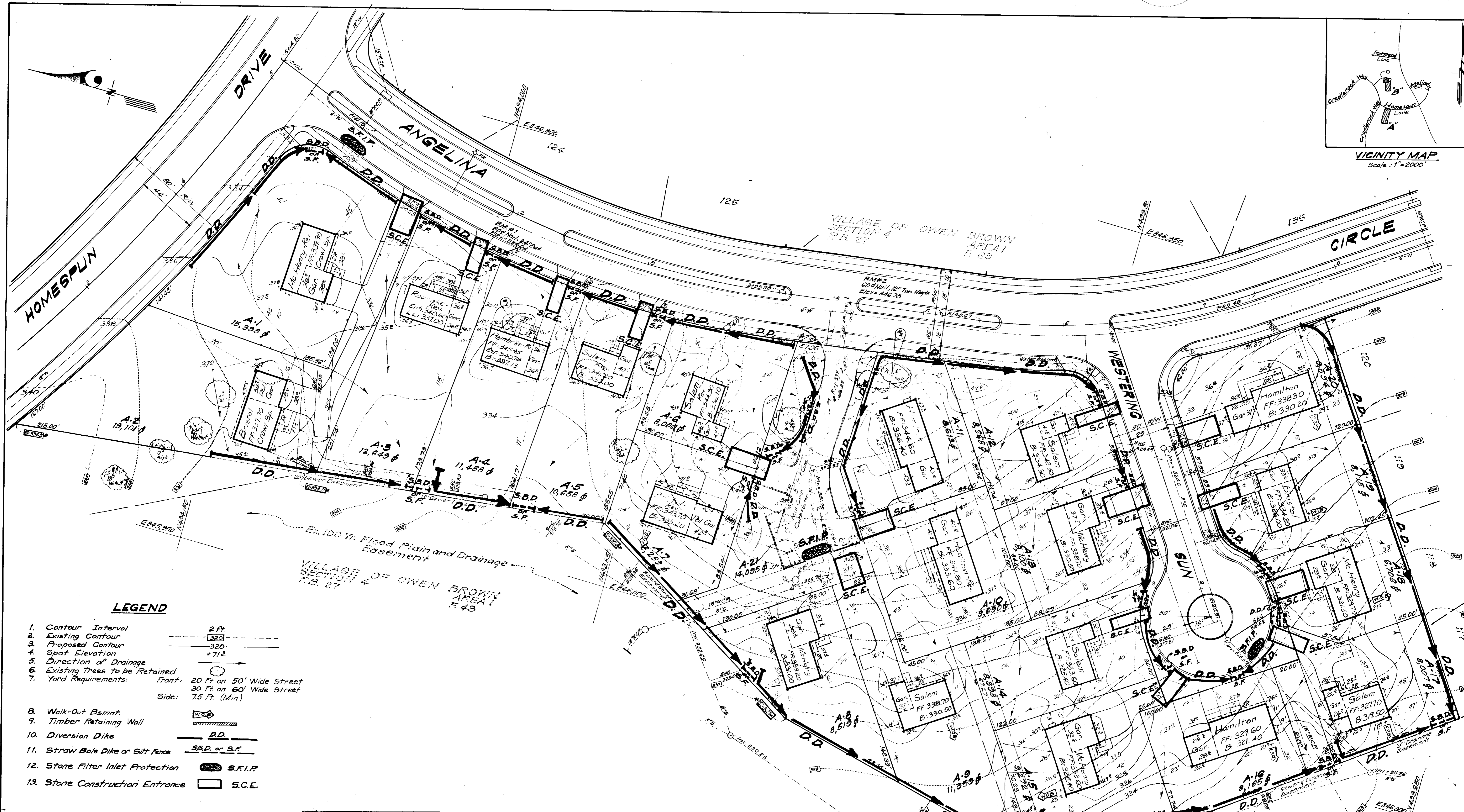
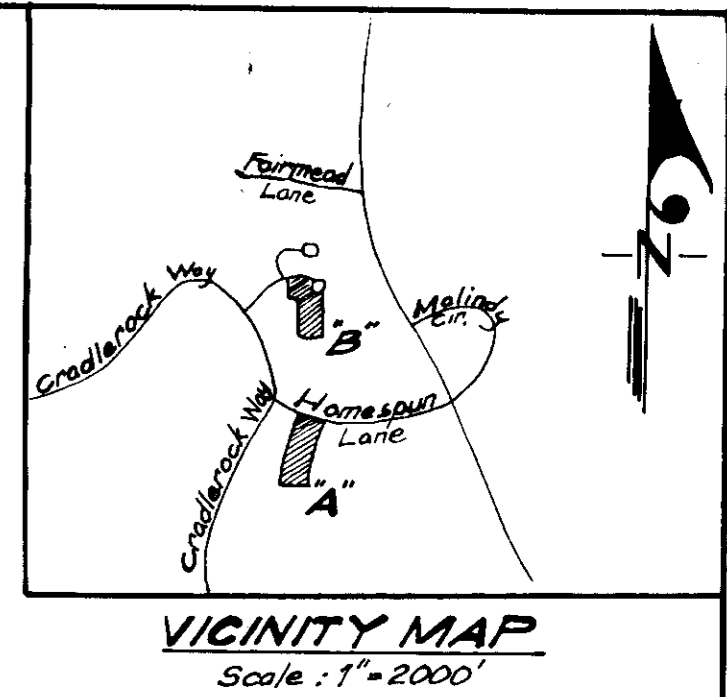
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
BY THE HOWARD COUNTY HEALTH DEPARTMENT
1-5-78
OFFICE OF PLANNING & ZONING
DATE

APPROVED
10-11-77

Donald B. Sackett

CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LEEWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 553-3400		
DESIGNED D.R.H. DRAWN D.R.H. CHECKED D.B.S. DATE Aug. 1977	SITE DEVELOPMENT PLAN LOTS A-1 THRU A-22 LOTS B-1 THRU B-15 COLUMBIA VILLAGE OF OWEN BROWN SECTION 4 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP, INC. (Colony Via Div.) Suite 200 V.O.M. Office Building Columbia, Maryland 21045	SCALE 1" = 30' DRAWING 2 of 6 JOB NO. SHEET NO. 1094-X

For bearings & distances of individual lots, see Howard Plots recorded as Plots 3690 & 3695.



LEGEND

1. Contour Interval: 2 Ft.
2. Existing Contour:
3. Proposed Contour:
4. Spot Elevation: 320
5. Direction of Drainage:
6. Existing Trees to be Retained:
7. Yard Requirements:
 - Front: 20 Ft. on 50' Wide Street
 - 30 Ft. on 60' Wide Street
 - Side: 7.5 Ft. (Min.)
8. Walk-Out Basmt.
9. Timber Retaining Wall
10. Diversion Dike
11. Straw Bale Dike or Silt Fence
12. Stone Filter Inlet Protection
13. Stone Construction Entrance

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER
 DATE 1-5-77

PLANNING DIRECTOR
 DATE 1-9-77

CHIEF DIVISION OF LAND DEVELOPMENT
 DATE 1-9-77

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 CHIEF BUREAU OF HIGHWAYS
 DATE 1-30-77

Reviewed for HOWARD COUNTY S.C.D. Name and meets Technical Requirements
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

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 do 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.

Signature: Jeffrey R. ... Date: 9-8-77

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 standards of the Howard Soil Conservation District.

Signature: Richard J. H. Stapp Date: 9-8-77

APPROVED
 DIVISION OF LAND DEVELOPMENT
 19-11-77



CLARK • FINEROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS

11130 LUKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED DR.H. SEDIMENT & EROSION CONTROL PLAN LOTS A-1 THRU A-21 B-1 THRU B-15

DRAWN DR.H. **COLUMBIA**

CHECKED R.L.S. VILLAGE OF OWEN BROWN SECTION 4 AREA 1 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

DATE Aug. 1977 FOR: THE RYLAND GROUP INC. (Col. Division) Suite 200 V.O.M. Office Bldg. Columbia, Maryland 21045

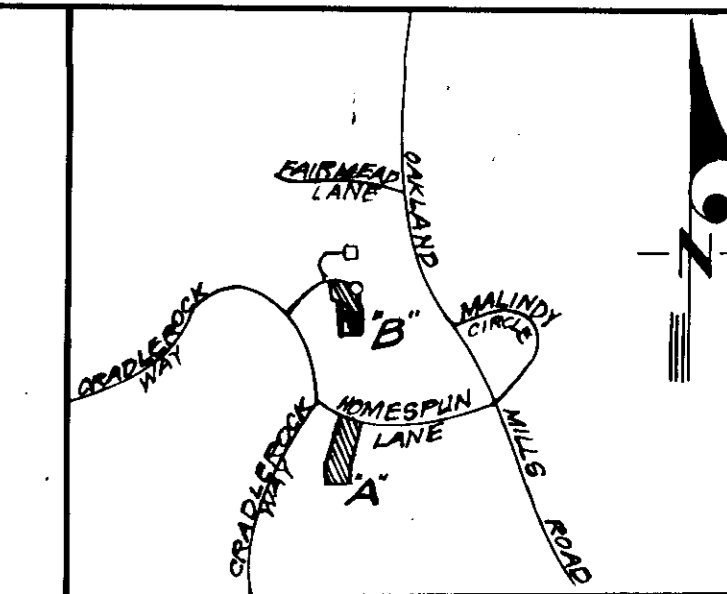
SCALE 1"=30'

DRAWING 3 of 5

JOB NO.

FILE NO. 1263-5E

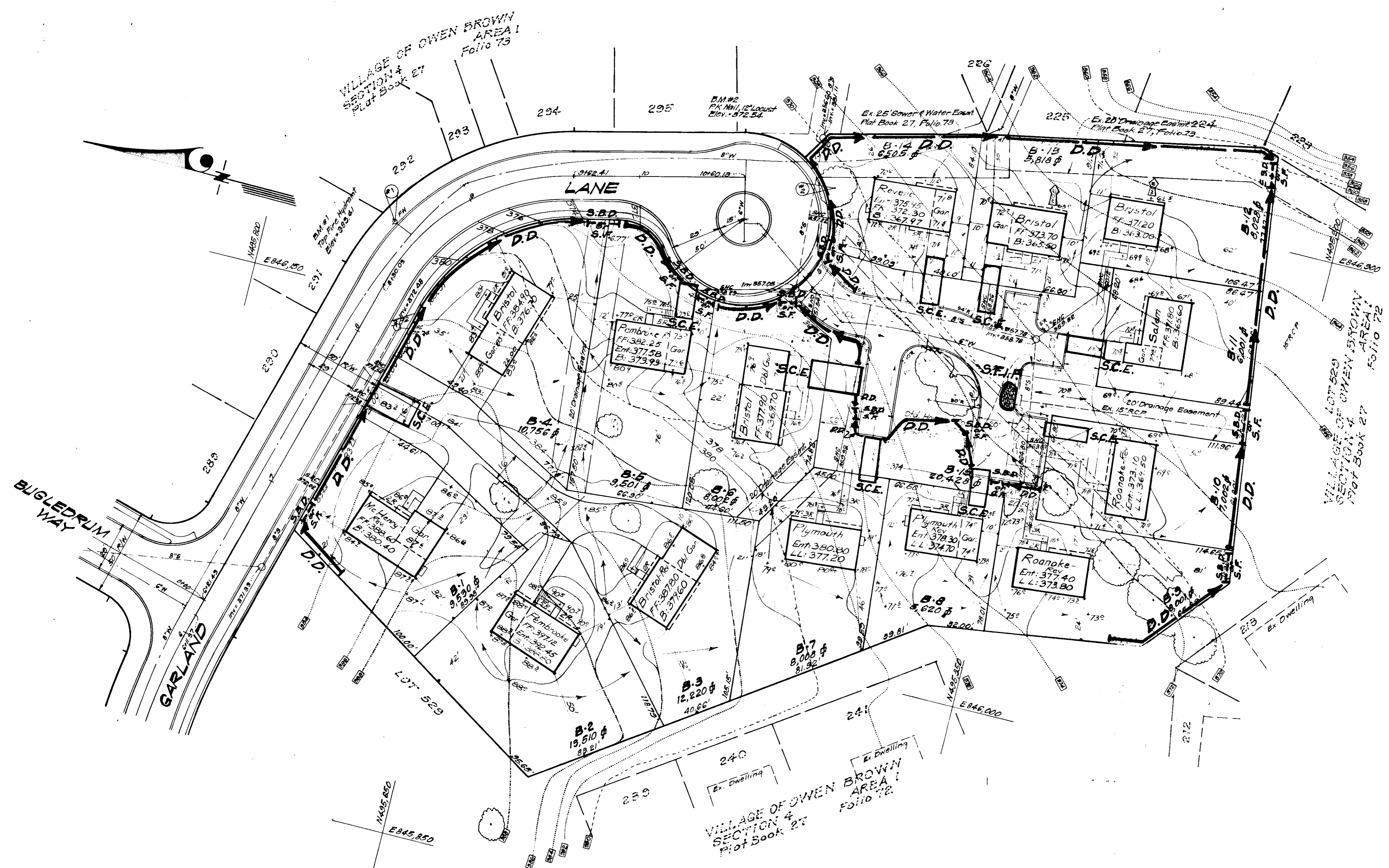
See also: HC-301 7-174-X. 56P-78-30C



VICINITY MAP
Scale: 1" = 200'

LEGEND

1. Contour Interval 2 Ft.
2. Existing Contour --- 372
3. Proposed Contour --- 372
4. Spot Elevation + 72.2
5. Direction of Drainage →
6. Existing Trees to be Retained ○
7. Yard Requirements: Front: 20' on 50' Wide Street
30' on 60' Wide Street
Side: 7.5 Ft. (Min.)
8. Walk-Out Basement WB
9. Timber Retaining Wall |||||
10. Diversion Dike DD
11. Straw Bale Dike or Silt Fence S.B.D. or S.F.
12. Stone Filter Inlet Protection S.F.I.P.
13. Stone Construction Entrance S.C.E.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH DEPARTMENT
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR
 CHIEF DIVISION OF LAND DEVELOPMENT
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR
 CHIEF BUREAU OF HIGHWAYS

Reviewed for Howard S.C.D.
 Name
 and meets Technical Requirements
C. Wayne Ray 12/20/77
 U.S. Soil Conservation Service

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.

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.

Approved West Date 12-20-77
 Approved Jeffrey Date 1-8-77
 Approved Rick Date 9-8-77



APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE 10-11-77

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

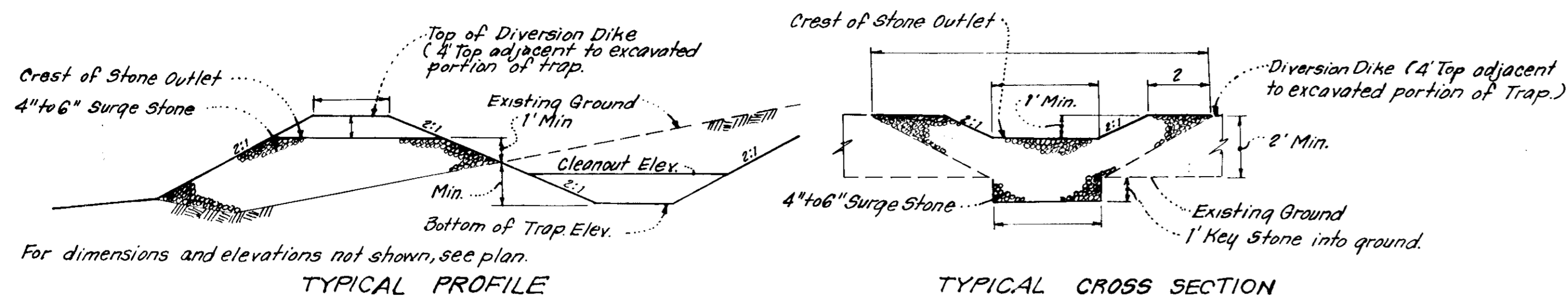
DESIGNED D.R.H.	SEDIMENT & EROSION CONTROL PLAN LOTS A-1 THRU A-21 LOTS B-1 THRU B-15 COLUMBIA VILLAGE OF OWEN BROWN SECTION 4 AREA 1 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP INC. (Columbia Div.) Suite 200 W.O.M. Office Building Columbia, Maryland 21045	SCALE 1" = 30'
DRAWN D.R.H.		DRAWING 4 of 5
CHECKED R.U.S.		JOB NO.
DATE Aug. 1977		FILE NO. 1263-SE

See also: HC 27B & 1294-X. SDP-78-30c

GENERAL NOTES

- 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 #3 for stabilization except that the seed mixture will be annual rye applied at the rate of 1.4 lbs/1000 sq. ft.
- 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 shall be adjusted to meet actual field conditions.
- Stabilization of disturbed ground to be done as soon after construction as possible.
- All grading shall be treated in accordance with the following Specifications:
 - Seed - certified 85% germination applied at the rate of 3 lbs/1000 sq. ft. mixture - 40% Kentucky Blue, 20% Chewing Fescue, 20% Kentucky 31, and 20% Annual Rye.
 - Fertilizer - 10-10-10 applied at the rate of 23 lbs/1000 sq. ft.
 - Ground agricultural lime or dolomitic lime applied at the rate of 46 lbs/1000 sq. ft.
 - Mulch - Weed free grain straw applied at the rate of 70 lbs/1000 sq. ft. Mulch shall be secured to the ground by any approved method, i.e. asphalt tacks, chemical binder, wood chips, etc.
- 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 cleanout 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.
- Protection of stabilized area from sediment runoff shall be provided by the use of an approved sediment control device, i.e. straw bales, diversion dikes, etc.
- Site Analysis:**

Total Area:	8.087 Acres
Area to be roofed:	1.078 Acres
Area to be paved:	0.728 Acres
Area to be Seeded:	3.733 Acres
Area Undisturbed:	2.488 Acres
- The Contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.
- Stabilized Construction Entrances shall be constructed at all construction entrances.
- CONSTRUCTION SEQUENCE:**
 - Install Sediment and Erosion Control Devices and stabilize Diversion Dikes.
 - Excavate for foundations and rough grade.
 - Erect Structures, driveways and sidewalks.
 - Final grade and stabilize in accordance with General Note #5.
- 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.
- It will be the Developer's responsibility, to provide additional Sediment and Erosion Control Devices to protect stabilized areas during construction.
- Total Amount of Straw Bales shown = 393 lin. ft.



TYPICAL PROFILE

TYPICAL CROSS SECTION

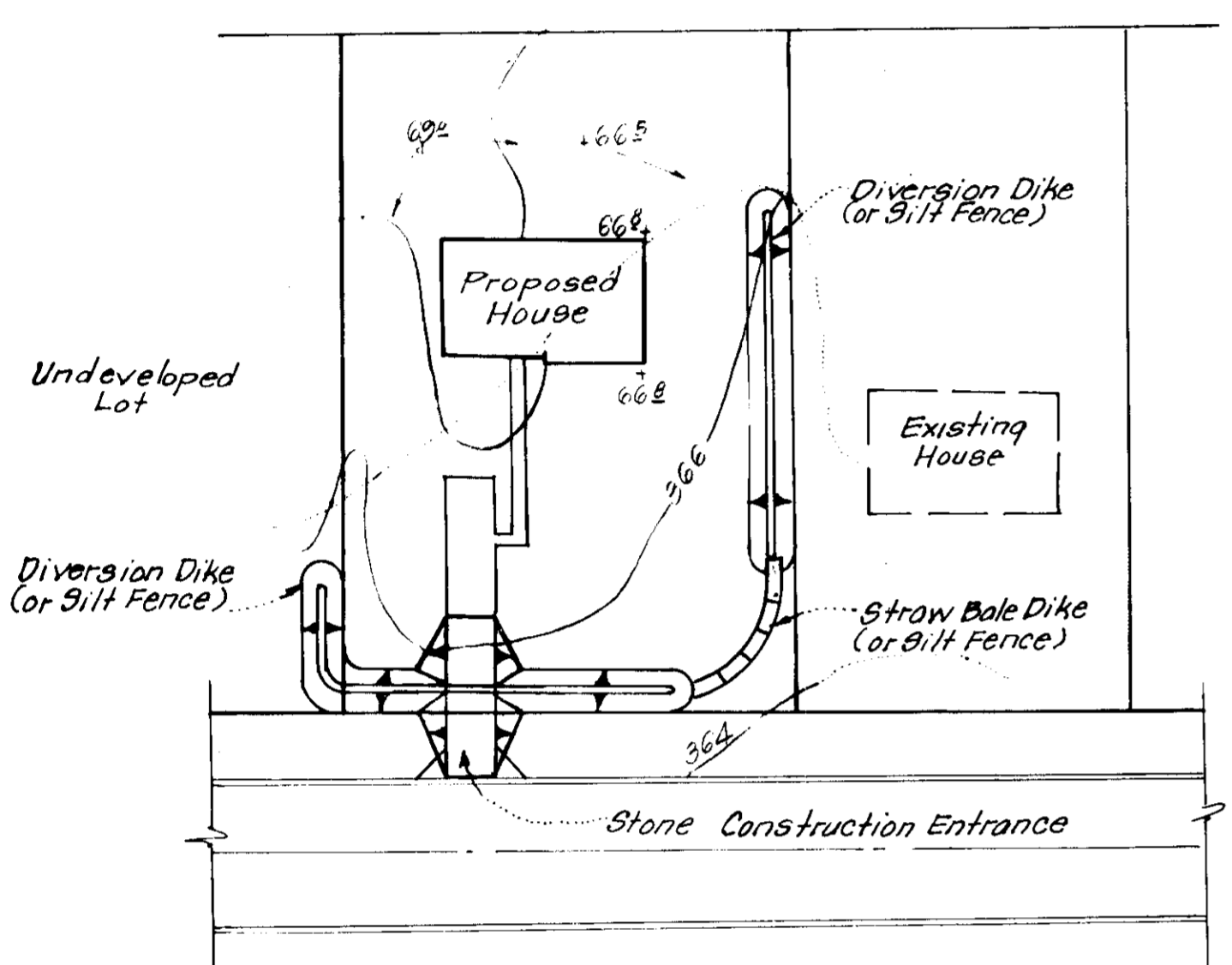
STONE FILTER OUTLET NOTES

- Sediment Trap to be cleaned out when sediment reaches a level A below the 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 portion of Sediment Trap.

DETAILS OF STONE FILTER OUTLET

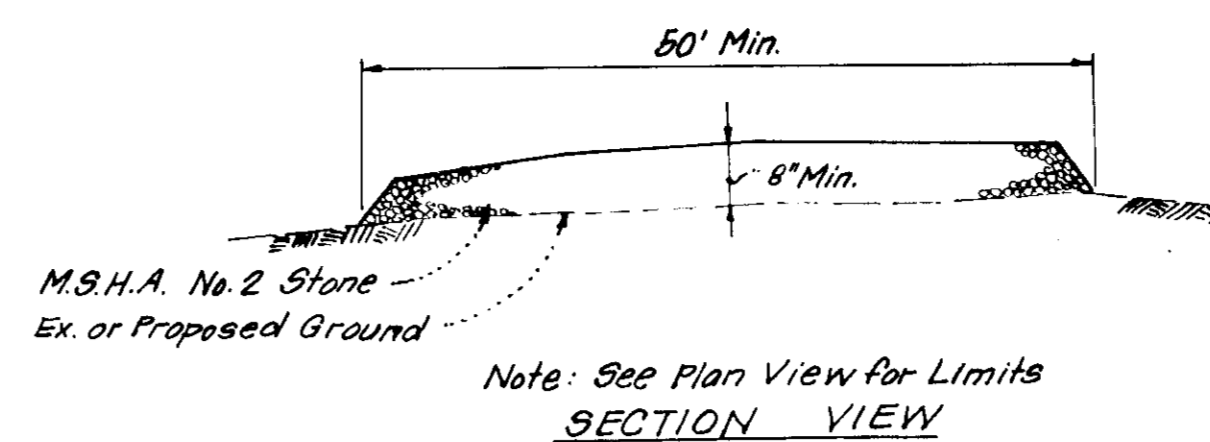
(FOR STONE OUTLET SEDIMENT TRAP)

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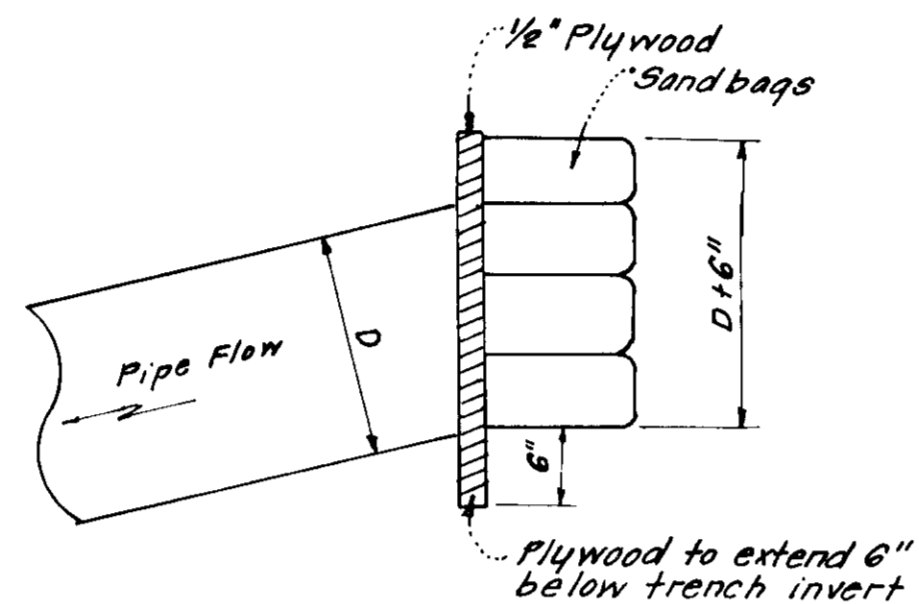
TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN

No Scale



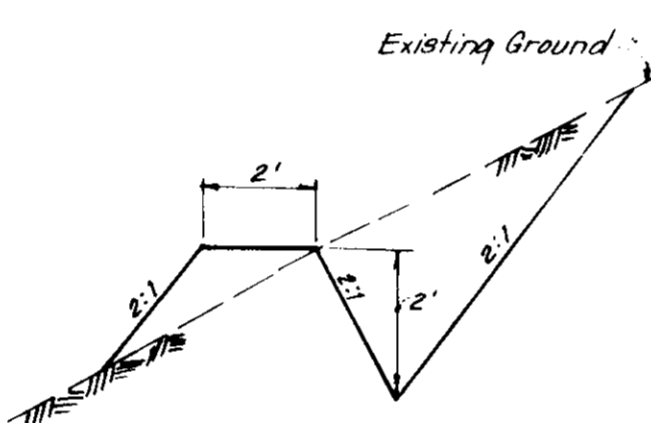
STABILIZED CONSTRUCTION ENTRANCE DETAIL

No Scale



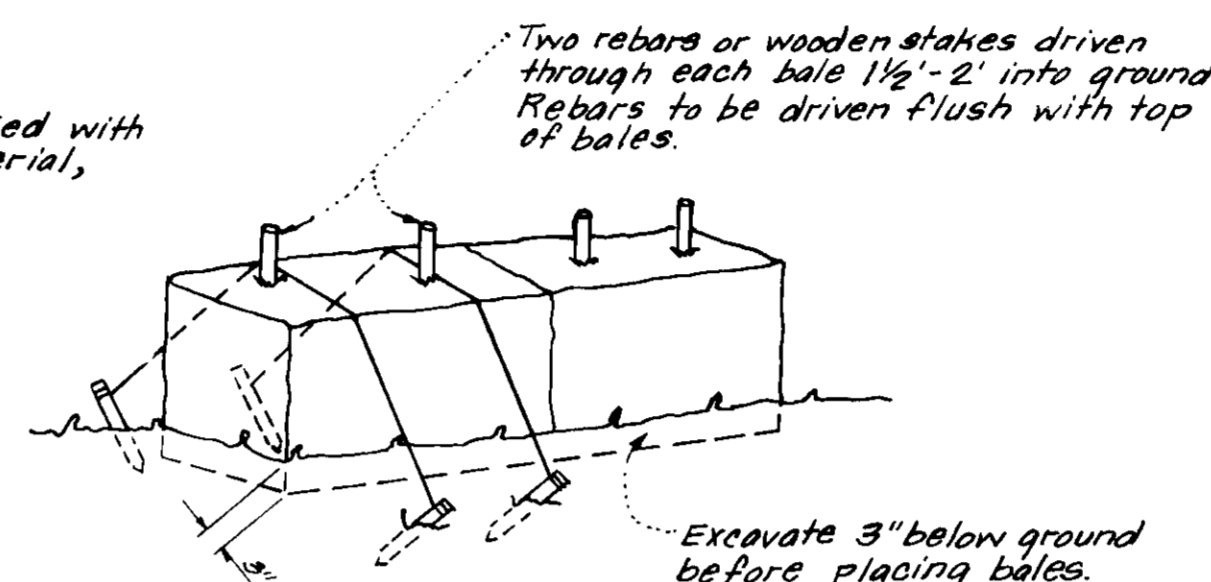
PIPE BLOCKING DETAIL

No Scale



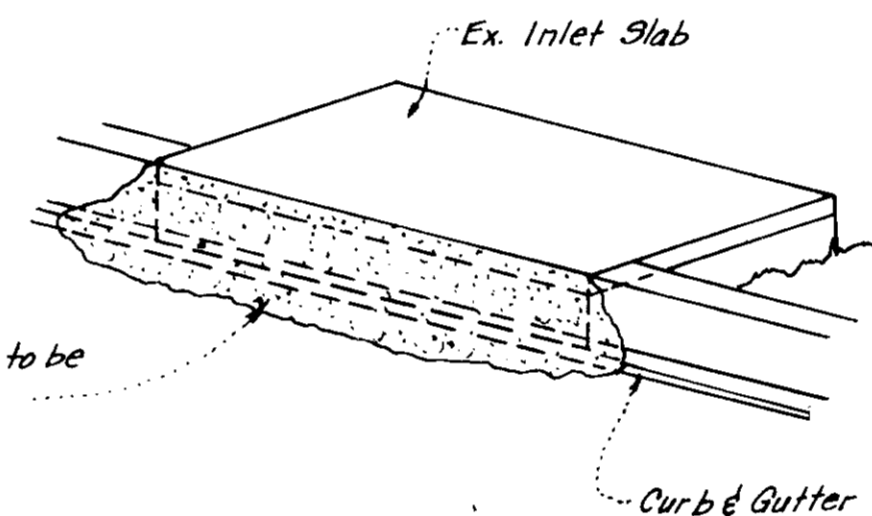
CUT DIVERSION DIKE

No Scale

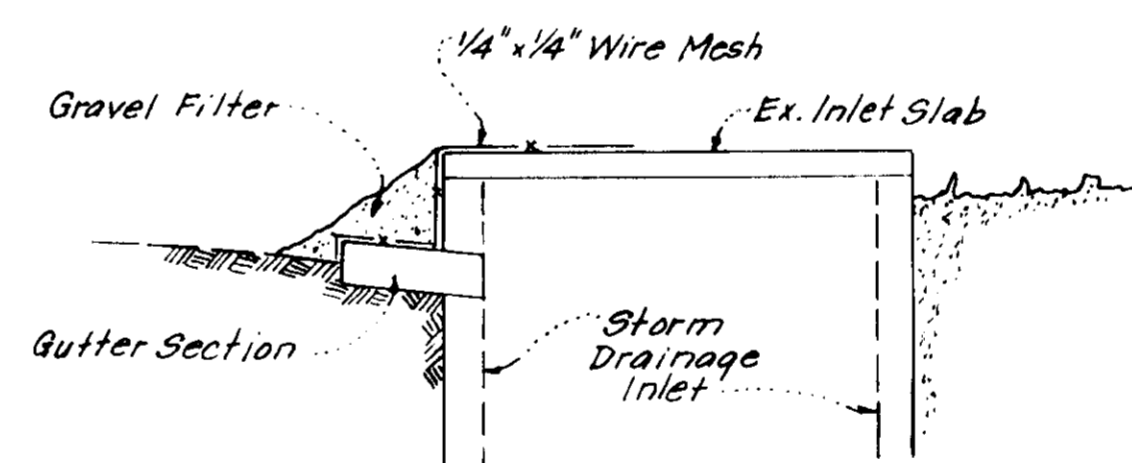


TYPICAL STRAW BALE DETAIL (S.B.D.)

No Scale



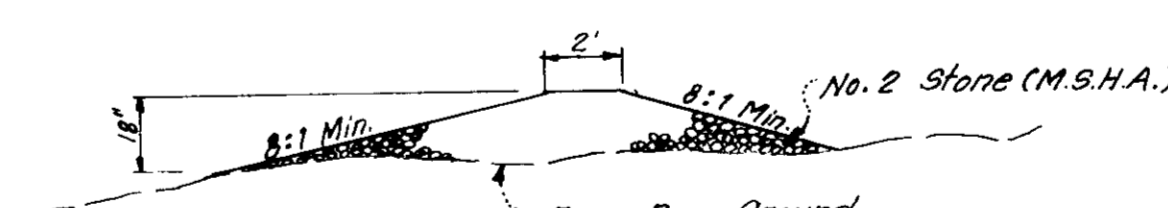
ISOMETRIC VIEW



SECTION VIEW

STONE FILTER INLET PROTECTION DETAIL (S.F.I.P.)

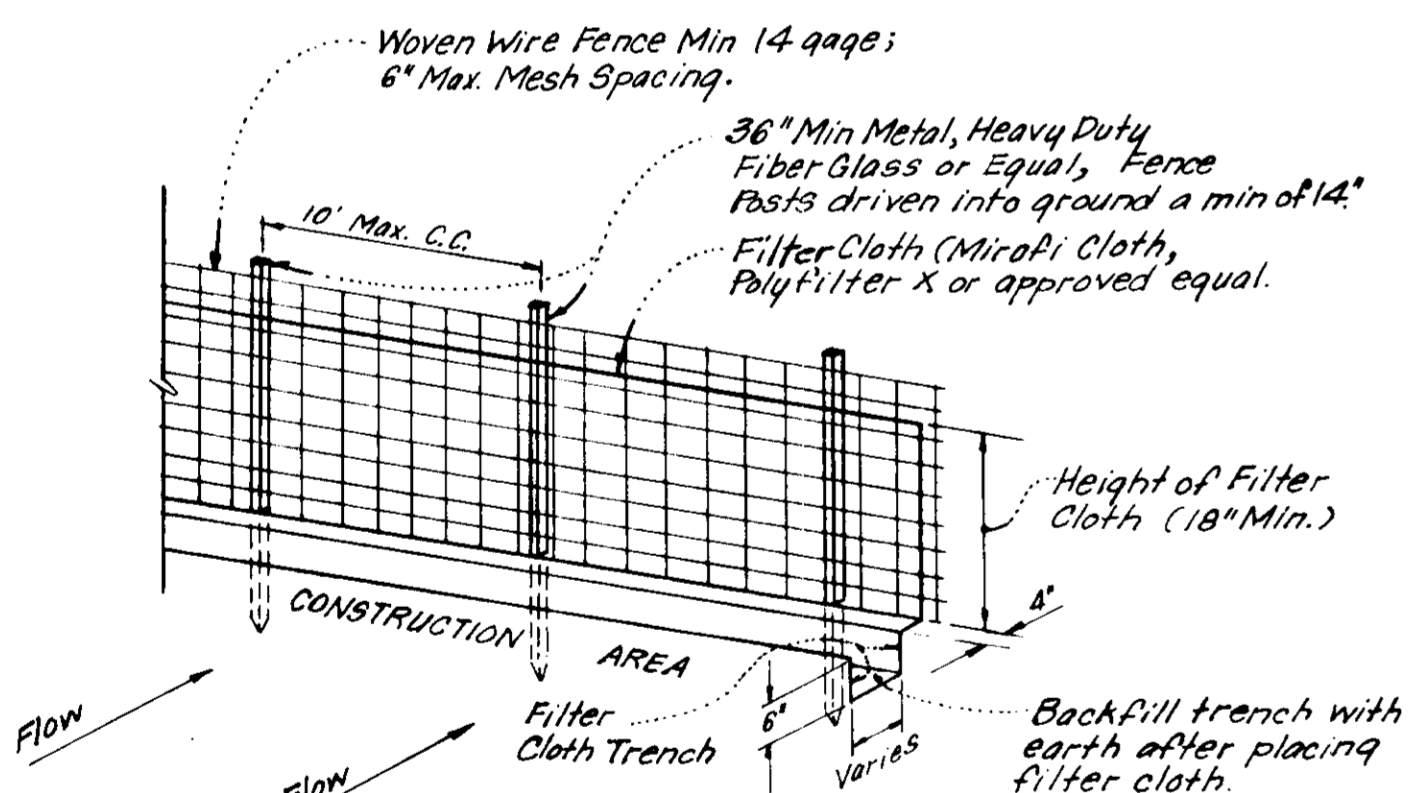
No Scale



SECTION VIEW

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

No Scale



SILT FENCE DETAIL

No Scale

- NOTES:
- Woven Wire fence to be fastened securely to fence posts by use of wire ties.
 - Filter Cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24" x 24".

Reviewed for Howard S.C.D. Name
and meets Technical Requirements
L. Wayne King 12/20/77 Signature Date
US Soil Conservation Service

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

Wes Etnier 12-20-77 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 will authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized representative as deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

Richard J. H. Stapp 9-8-77 Signature Date

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Erosion and Sediment Control meets 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.

Richard J. H. Stapp 9-8-77 Signature Date



APPROVED
DIVISION OF LAND DEVELOPMENT

HOWARD GENTRY, MARYLAND
DATE 10-11-77

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS		11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 993-3400
DESIGNED D.R.H.	SEDIMENT & EROSION CONTROL PLAN LOTS A-1 THRU A-21 LOTS B-1 THRU B-15	SCALE As Shown
DRAWN D.R.H.	COLUMBIA	DRAWING 5 of 5
CHECKED R.J.S.	VILLAGE OF OWEN BROWN SECTION 4 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.
DATE Aug. 1977	FOR THE RYLAND GROUP, INC. (Col. Div.) Suite 200 V.O.M. Office Bldg. Columbia, Maryland 21045	FILE NO. 1283-5E