

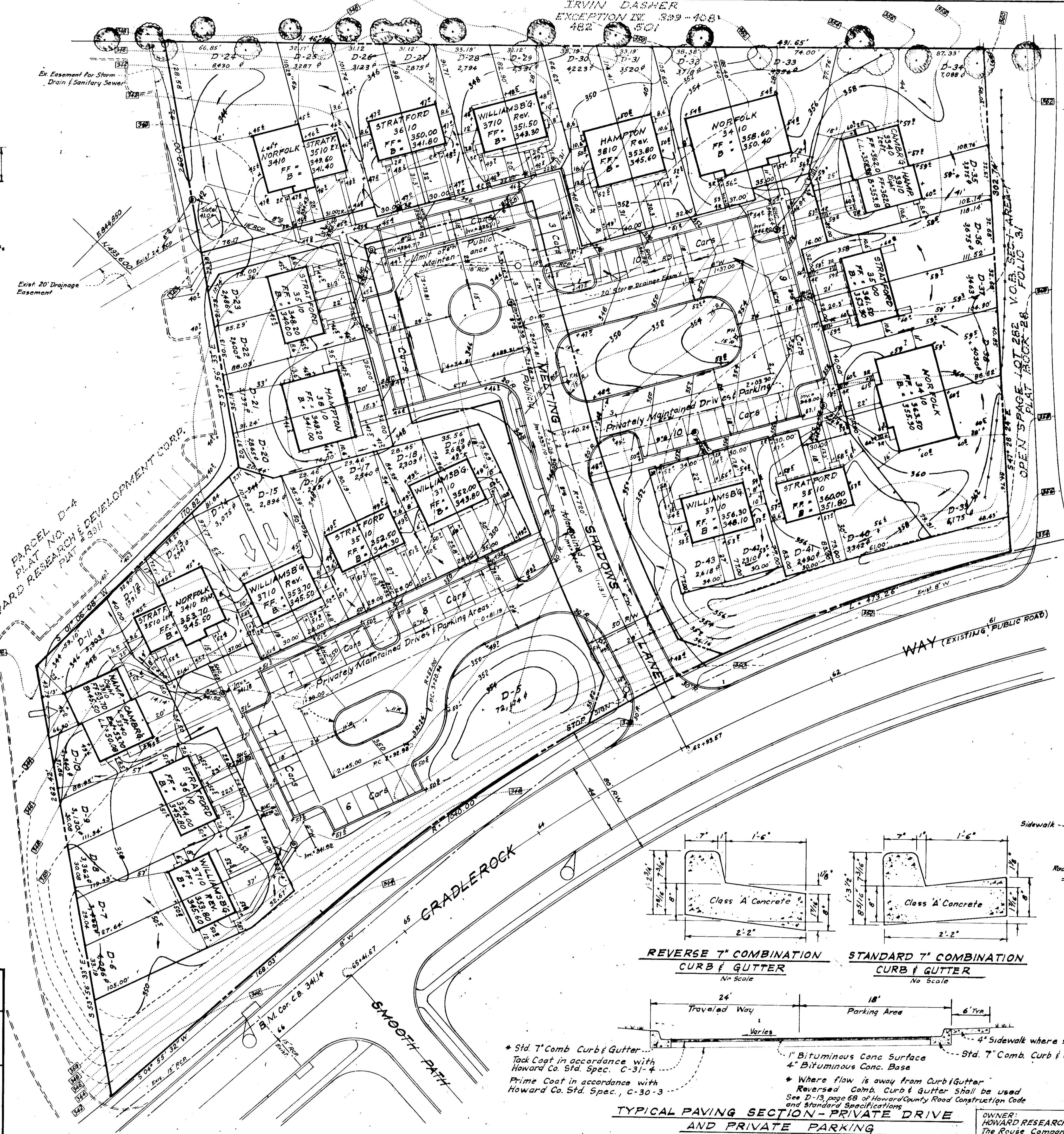
TYPICAL HOUSES
NO SCALE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE 6-12-78

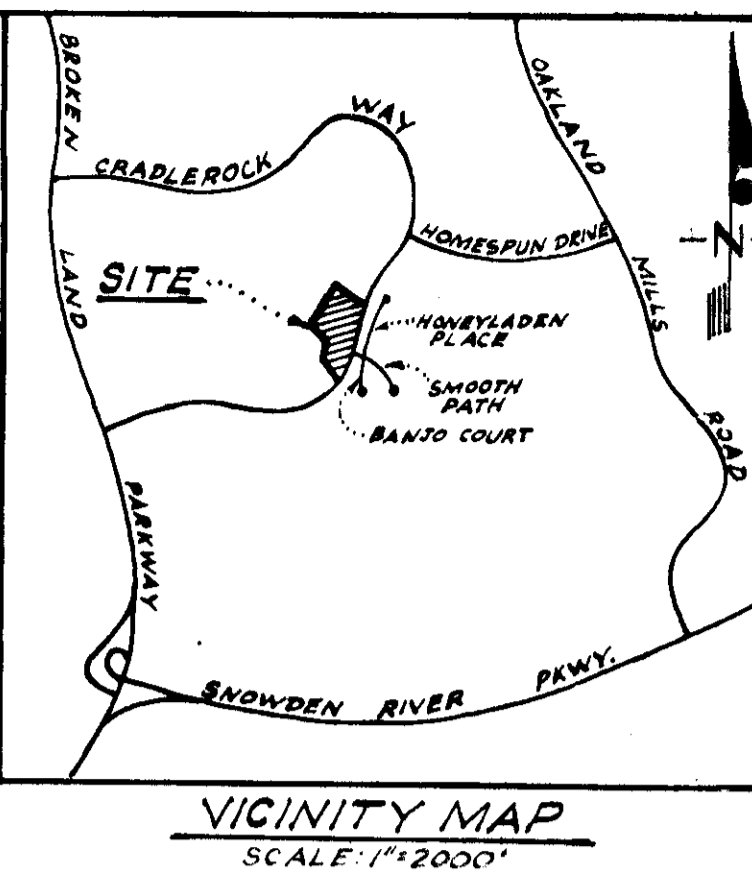
APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 6-13-78

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 6-6-78

CHIEF BUREAU OF ENGINEERING
DATE 6-13-78



- LEGEND**
- 1 Contour Interval
 - 2 Existing Contour
 - 3 Proposed Contour
 - 4 Spot Elevations
 - 5 Direction of Drainage
 - 6 Existing Trees to be Retained
 - 7 Walk Out Basement

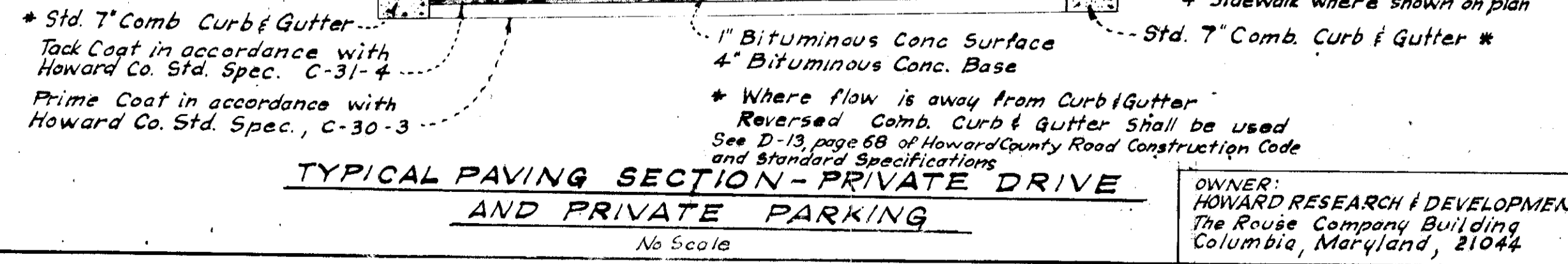
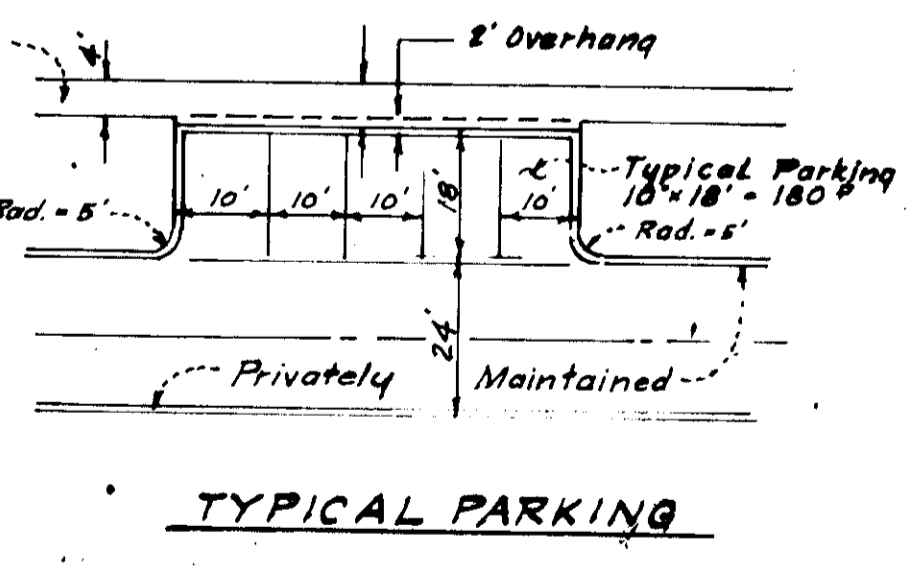
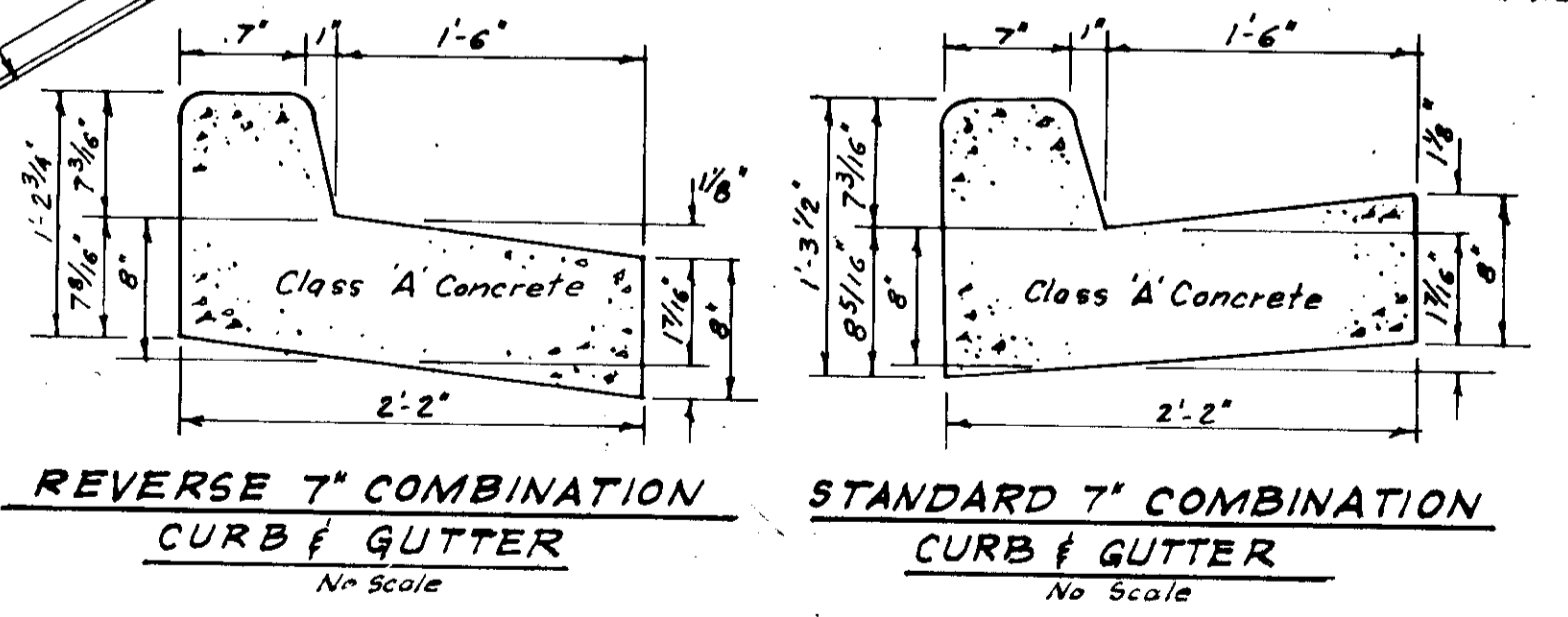


SITE ANALYSIS

- 1 Zoning: New Town, Attached Land Use
- 2 Area: 4.635 Acres
- 3 Maximum No. of Units Permitted: 46
- 4 Number of Units Shown: 38
- 5 Parking Spaces Required: 76
- 6 Parking Spaces Provided: 76

GENERAL NOTES

- 1 The Lots shown on this plan are covered by amended Final Development Plan Phase 113-A II Recorded as Plat 3054-A-9
- 2 Recording Reference: Recorded as Plat No.
- 3 The Area covered in this submission is located on Tax Map No. 36
- 4 All Coordinates are based on Maryland State Grid System. Elevations are based on U.S. Coast and Geodetic Survey Mean Sea Level Datum of 1929
- 5 Melting Shadows Lane is a Proposed Public Street
- 6 Installation of all traffic control devices, markings and signing shall be in accordance with the latest Edition of the Manual of Uniform Traffic Control Devices.
- 7 Construction will be in accordance with the Howard County Road Construction Code and Standard Specifications and Maryland State Highway Administration.
- 8 Public Water & Sewer to be utilized.
- 9 A Grading Permit shall be obtained prior to starting work.



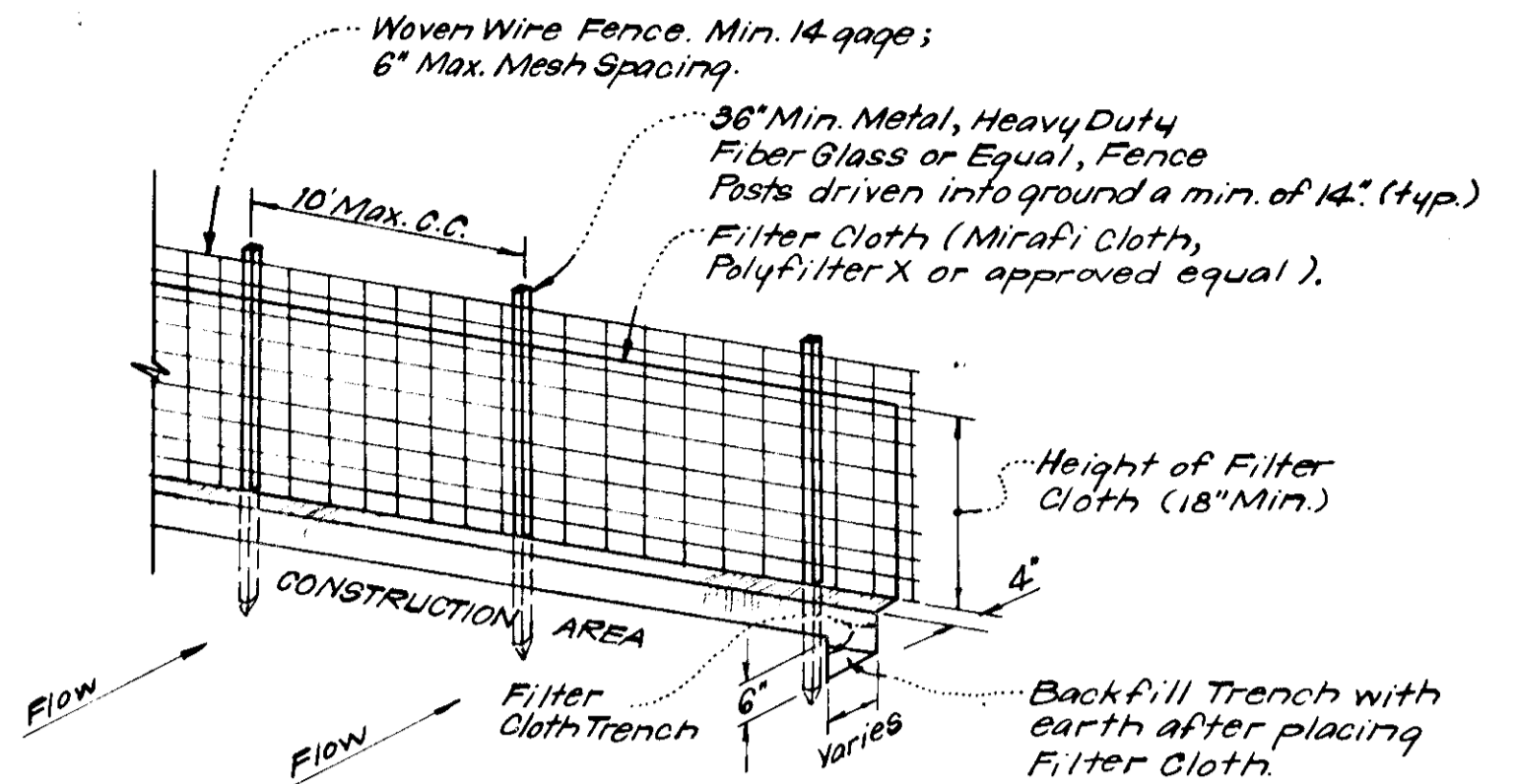
APPROVED
PLANNING & ZONING
OFFICE OF HOWARD COUNTY
DATE 5-10-78

Donald B. Sackett

CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400				
DESIGNED	W.H.T.	SITE DEVELOPMENT PLAN LOTS D-5 THRU D-43, A RESUBDIVISION OF PARCEL D-3 COLUMBIA VILLAGE OF OWEN BROWN SECTION 1 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE	1" = 30'
DRAWN	W.H.T.		DRAWING	10/4
CHECKED	W.H.T.		JOB NO.	
DATE	Mar, 1977		FILE NO.	1328-X

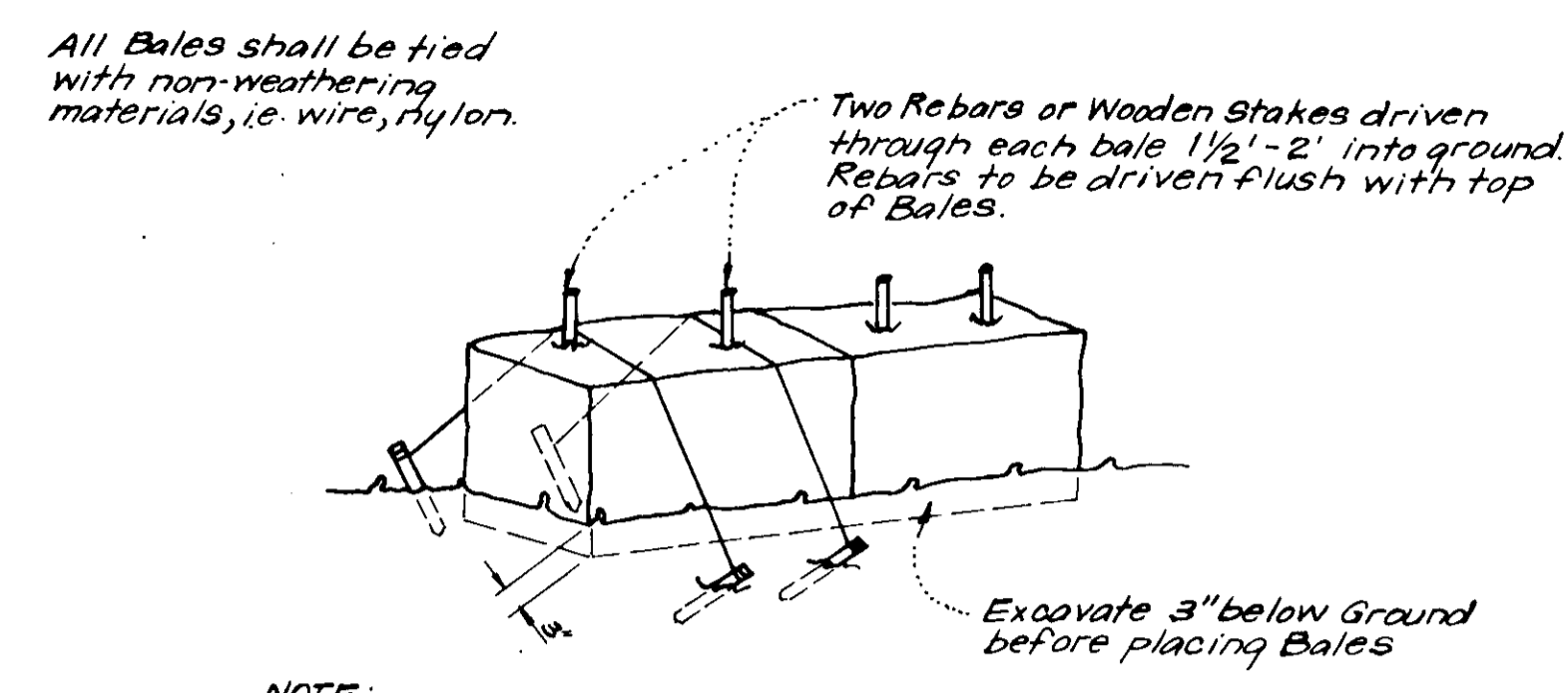
GENERAL NOTES

- 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 #5 for stabilization except that the seed mixture will be annual rye applied at a rate of 1.4 lbs/1000 s.f.
- 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 Grading shall be treated in accordance with the following Specifications:
 - Seed - certified 85% germination applied at the rate of 3 lbs/1000 s.f. mixture - 40% Kentucky Blue, 20% Chewings 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 s.f.
 - Mulch - Weed free grain straw applied at the rate of 70 lbs/1000 s.f. 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 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.
- Protection of stabilized area from sediment runoff shall be provided by the use of an approved Sediment Control Device, i.e. straw bale, diversion dike, etc.
- 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.
- SITE ANALYSIS:**
 - Total Area = 4.635 Acres
 - Area to be Roofed = 0.628 Acres
 - Area to be Paved = 1.254 Acres
 - Area to be Seeded = 2.424 Acres
 - Area Undisturbed = 0.329 Acres
- CONSTRUCTION SEQUENCE:**
 - Construct Stone Filter Inlet Protection and Stabilized Construction Entrance
 - Install Straw Bale Dikes or Silt Fence to protect Ex. I-9
 - Excavate Sediment Traps, construct Diversion Dikes, and Install Straw Bale Dikes or Silt Fence as shown on Plan.
 - Excavate for foundations and Rough Grade.
 - Erect structures and construct side walks
 - Final Grade and Stabilize in accordance with General Note 5.
- Immediate Stabilization is required for the disturbed area downstream of the diversion dike (Lots 23 & 24).
- 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.
- A grading permit shall be obtained prior to starting work
- Bureau of Inspections and Permits Phone No. 997-1995



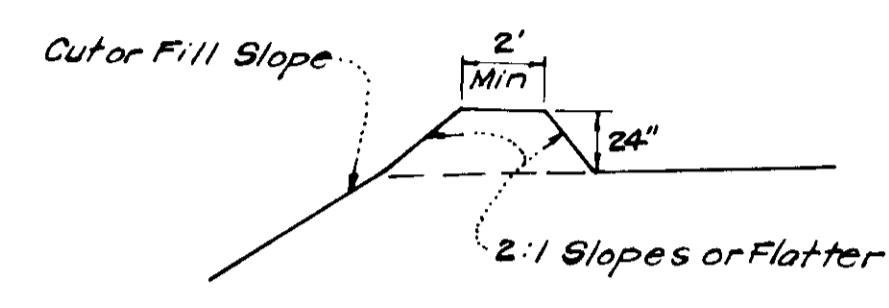
NOTES:
 1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
 2. Filter Cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24" x 24".

SILT FENCE DETAIL (S.F.)
 No Scale

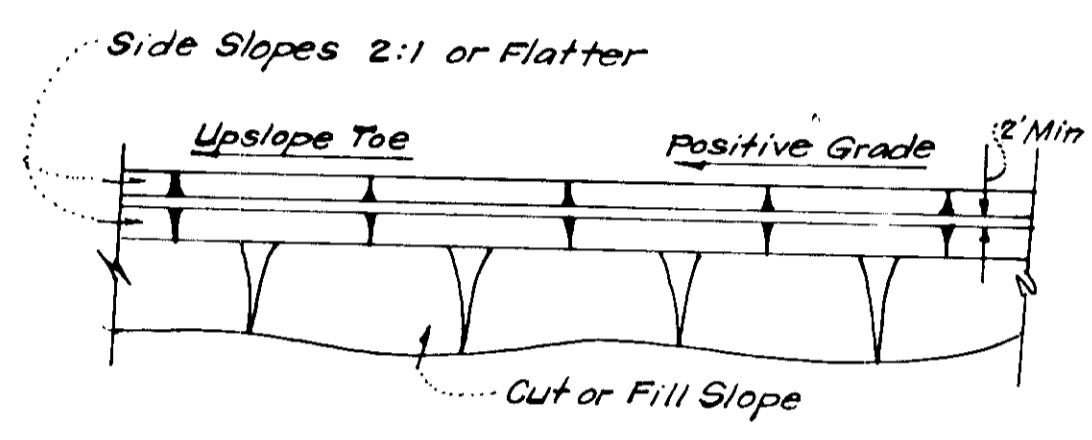


NOTE:
 1. In lieu of the use of rebar each Straw Bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).

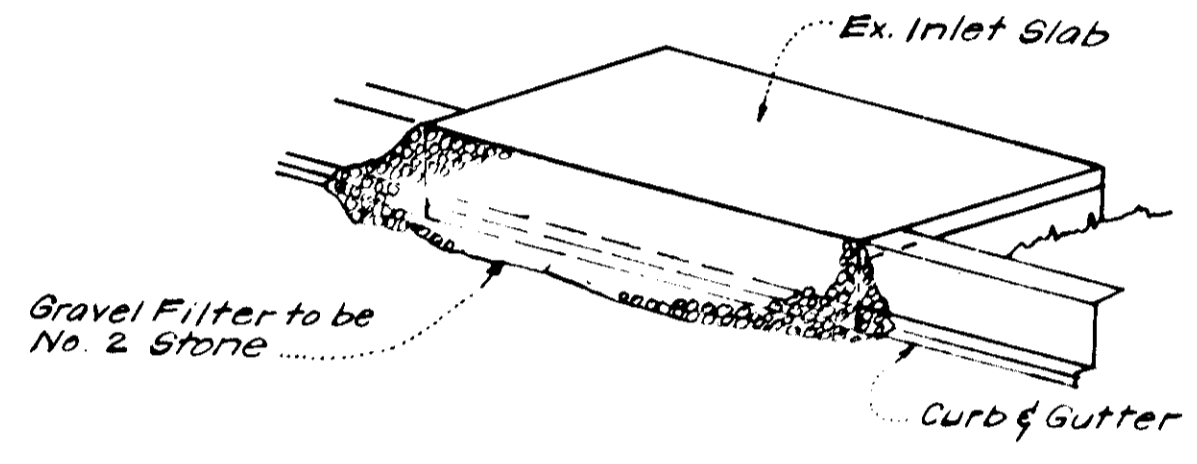
TYPICAL STRAW BALE DETAIL (S.B.D.)
 No Scale



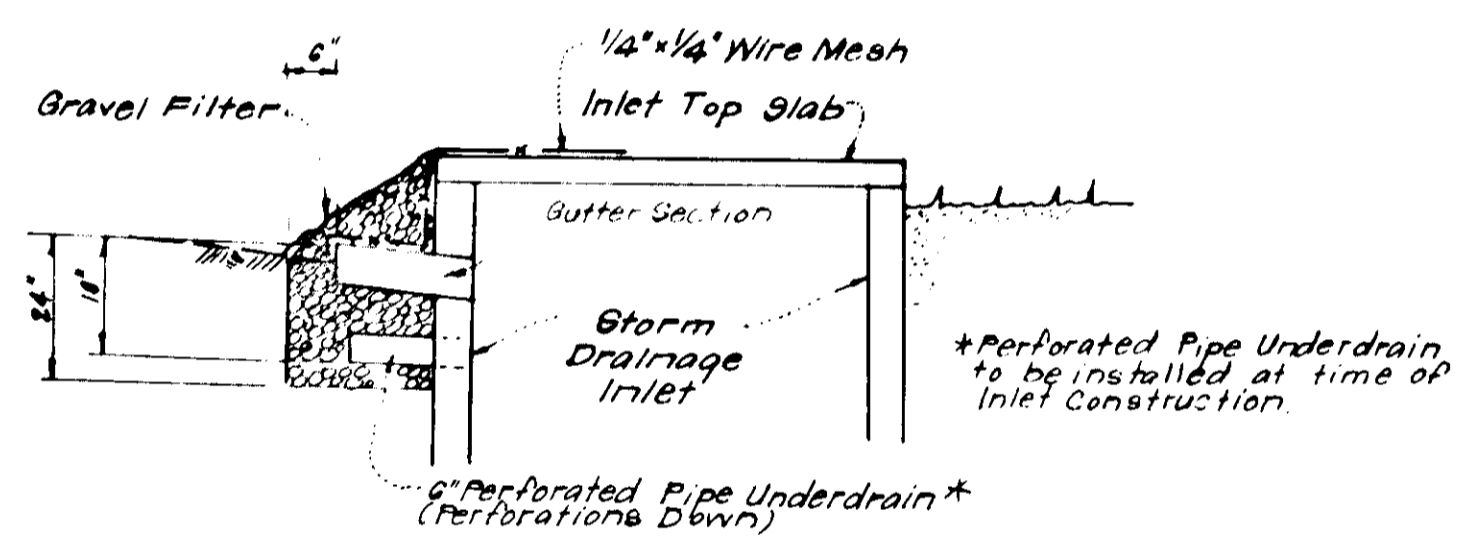
CROSS SECTION



PLAN VIEW
DIVERSION DIKE (D.D.)
 No Scale

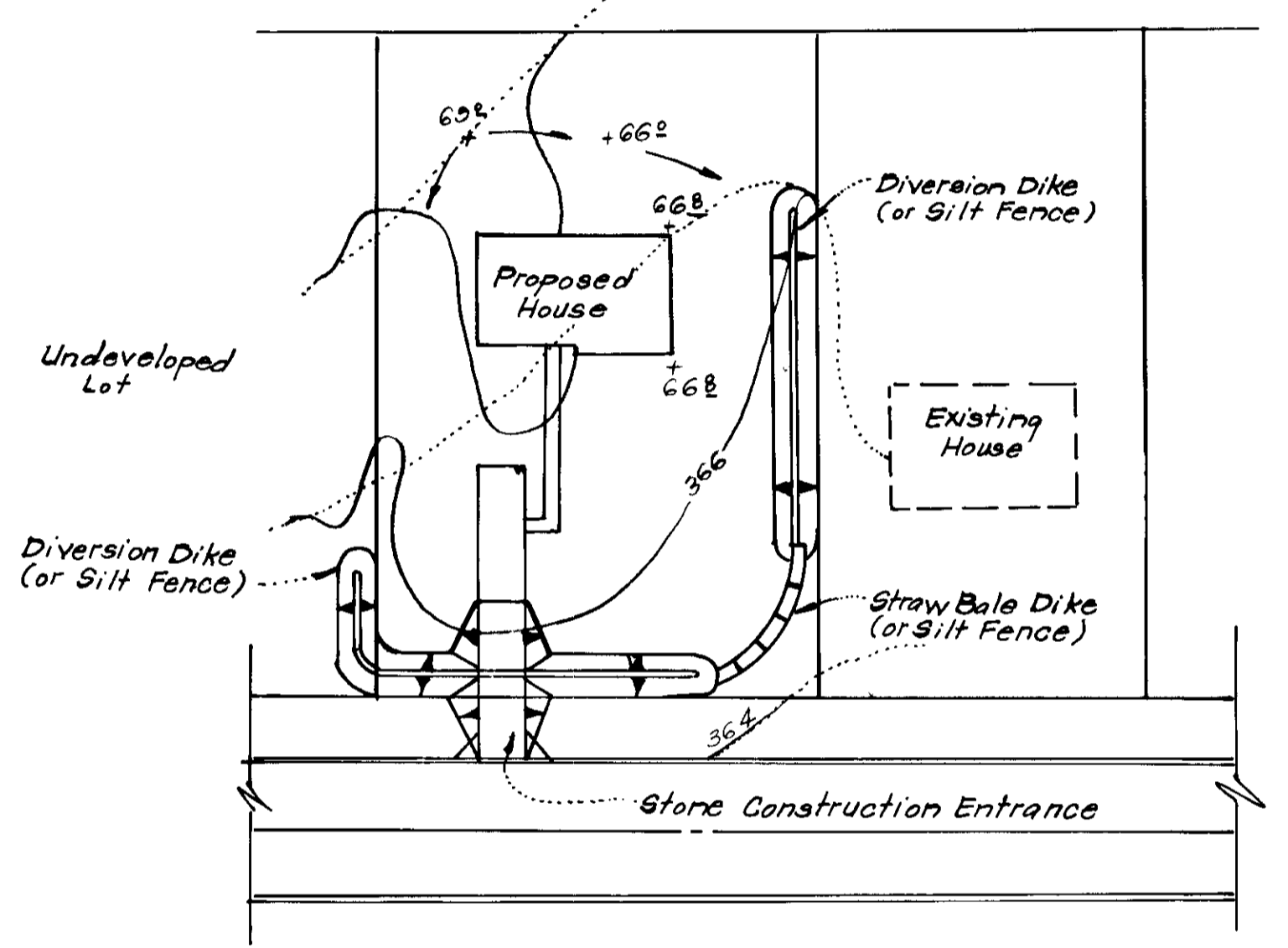


ISOMETRIC VIEW

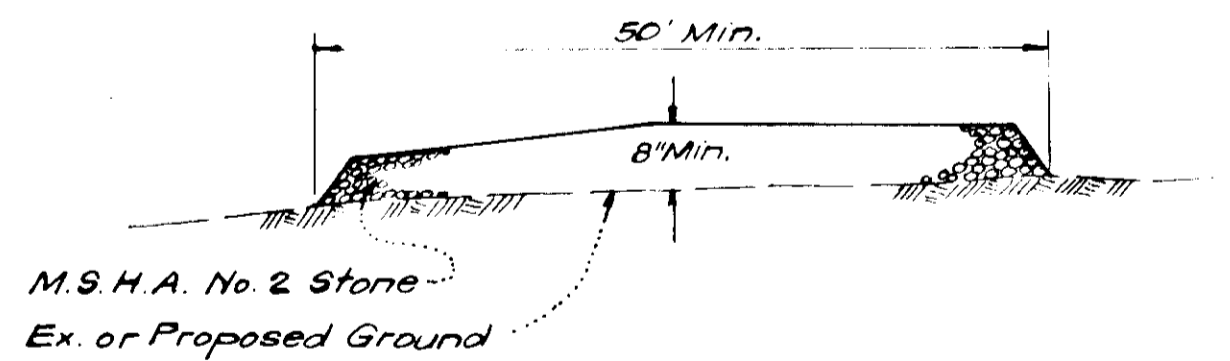


SECTION VIEW

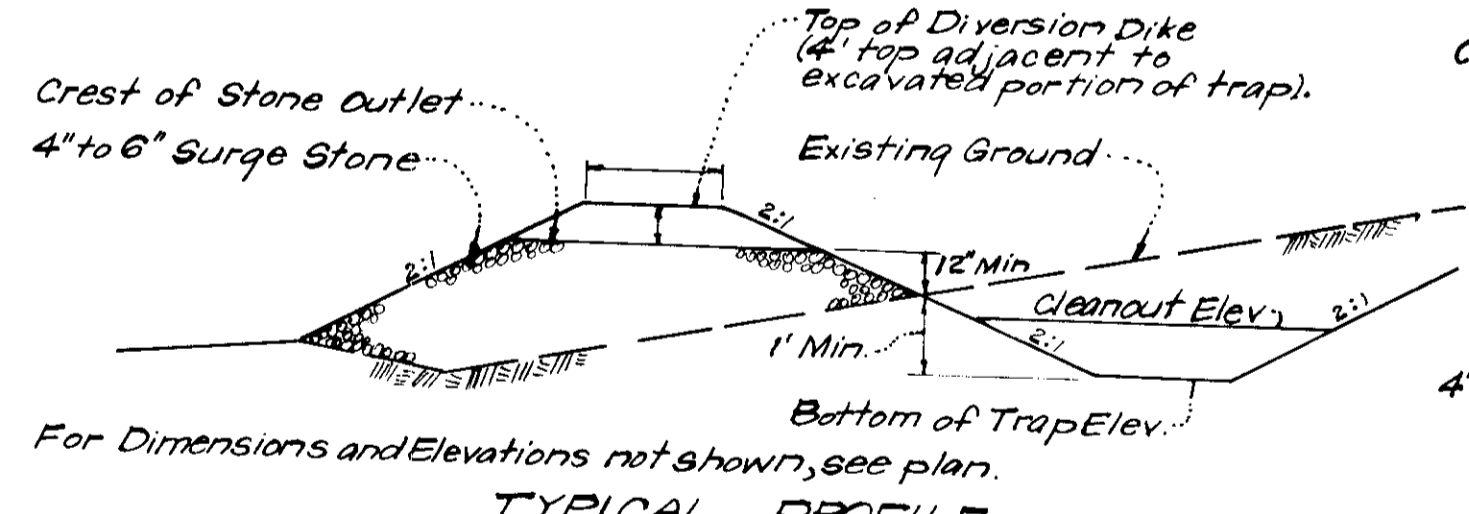
STONE FILTER INLET PROTECTION DETAIL (S.F.I.P.)
 No Scale



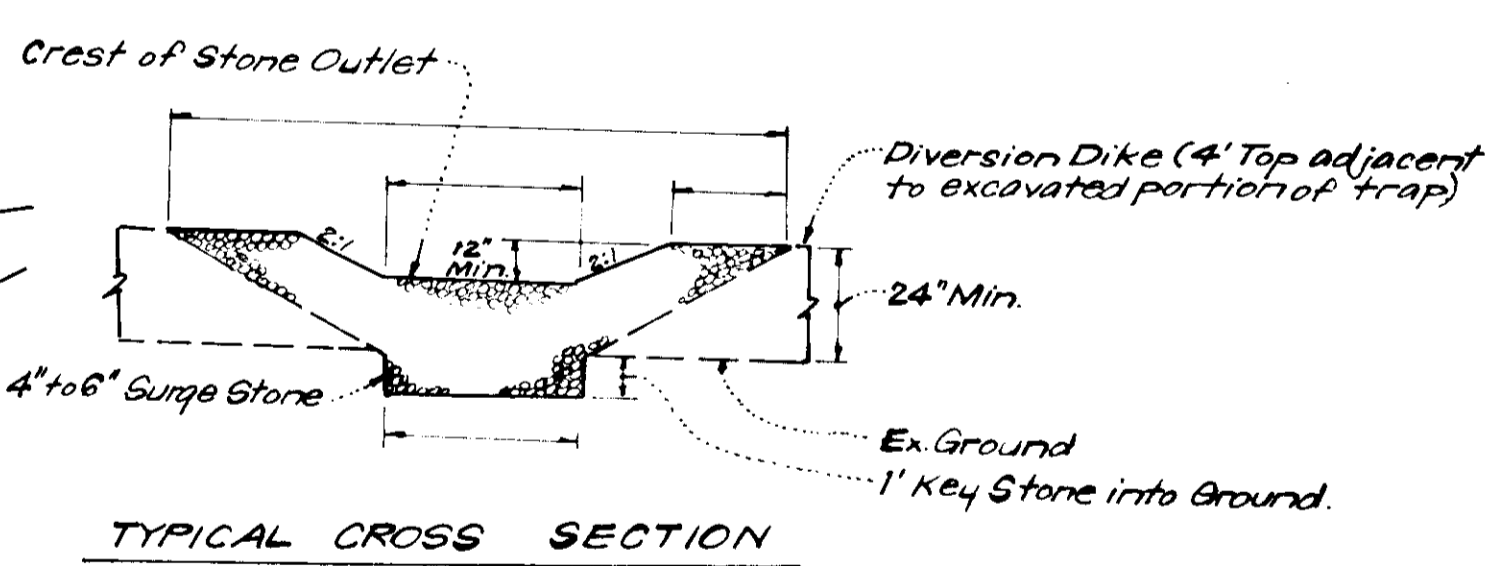
TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
 No Scale



SECTION VIEW
STABILIZED CONSTRUCTION ENTRANCE
 No Scale



TYPICAL PROFILE



TYPICAL CROSS SECTION

DETAILS OF STONE FILTER OUTLET (FOR STONE OUTLET SEDIMENT TRAP)
 No Scale

STONE FILTER OUTLET NOTES:
 1. Sediment Trap to be cleaned out when sediment reaches a level of 6\"/>

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 5-10-78

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 J. J. ... 6-12-78
 APPROVED FOR THE OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR DATE
 CHIEF DIVISION OF LAND DEVELOPMENT DATE
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Richard E. ... 6-6-78
 DIRECTOR DATE
 CHIEF BUREAU OF ENGINEERING 6-6-78
 DATE

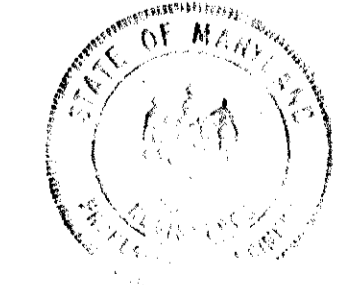
Reviewed for HOWARD COUNTY S.C.D.
 and meets Technical Requirements
 O. Wayne Roy 5-26-78
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT.

DEVELOPER'S CERTIFICATE
 I certify that all development and/or construction
 will be done according to the plan of development
 and Plans for Erosion and Sediment Control, and I also
 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: [Signature] Date: 4-6-78

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 Conserva-
 tion District.

Signature: [Signature] Date: 5-27-78

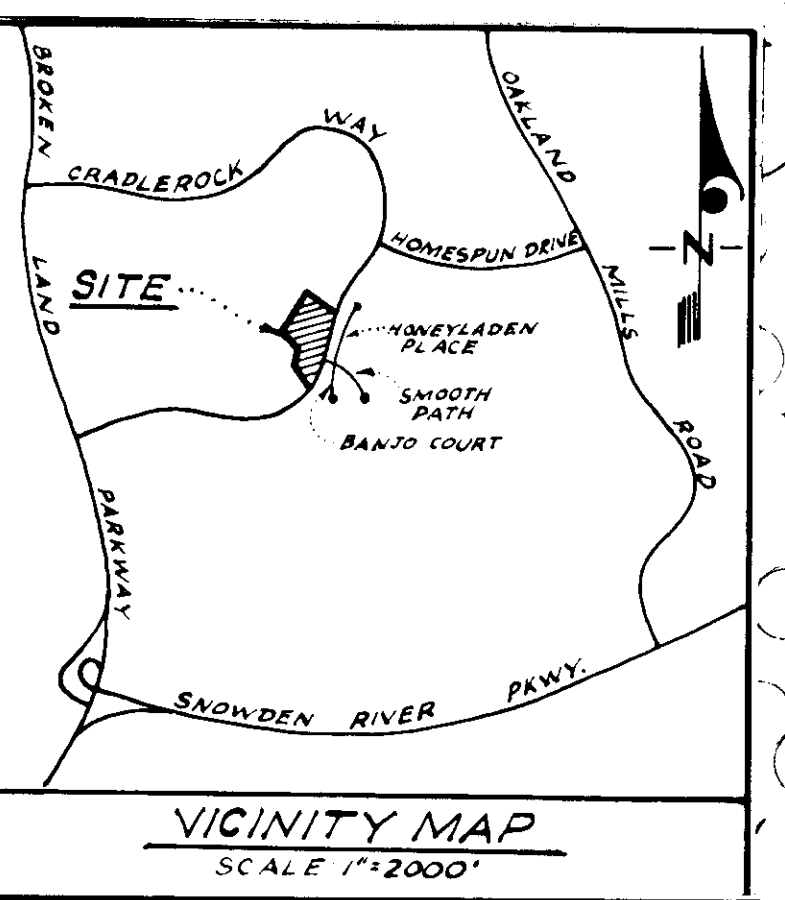
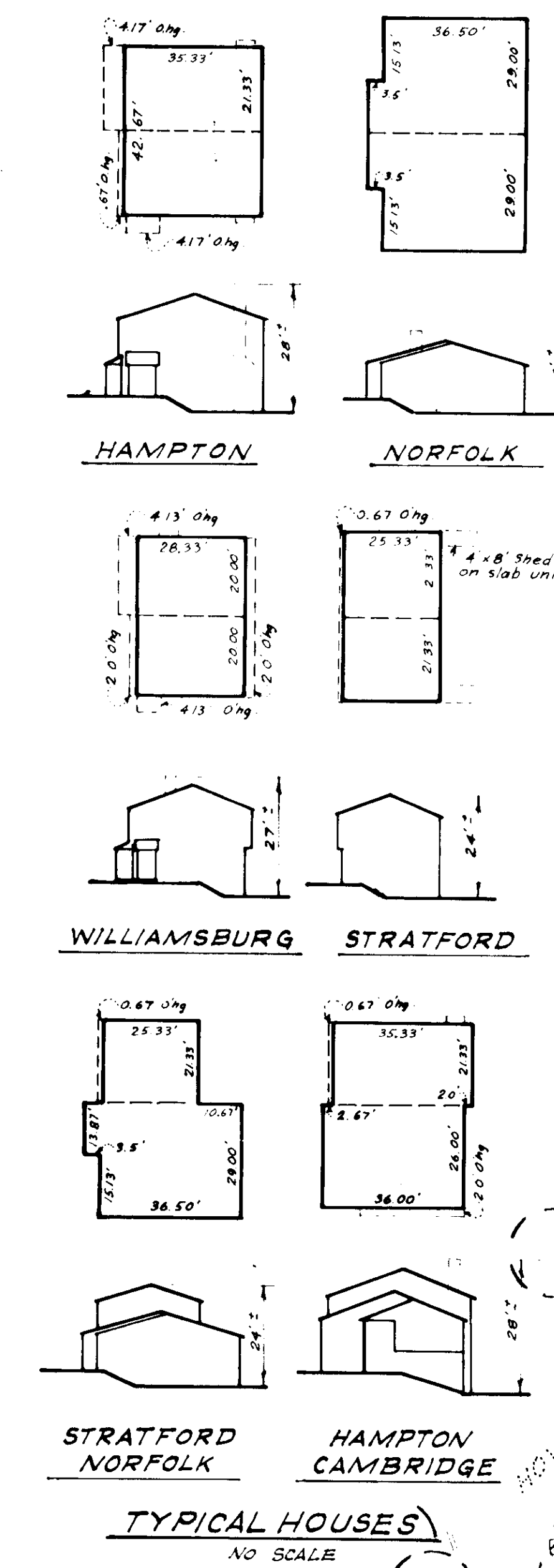


CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LUCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED J.L.S.	SITE DEVELOPMENT PLAN SEDIMENT & EROSION CONTROL PLAN LOTS D-5 THROUGH 43, A RESUBDIVISION OF PARCELS 3 AREA 1 VILLAGE OF OWEN BROWN SECTION OF THE 1 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP INC., (Col. Division) Suite 200 V.O.M. office Building Columbia, Maryland 21044	SCALE As Shown
DRAWN K.I.W.		DRAWING 3 of 4
CHECKED R.J.S.		JOB NO.
DATE Mar, 1978		FILE NO. 1289-SE

See Also: HC-223 1328-X SDP 78-92

IRVIN DASHER
EXCEPTION IN 300-100
482

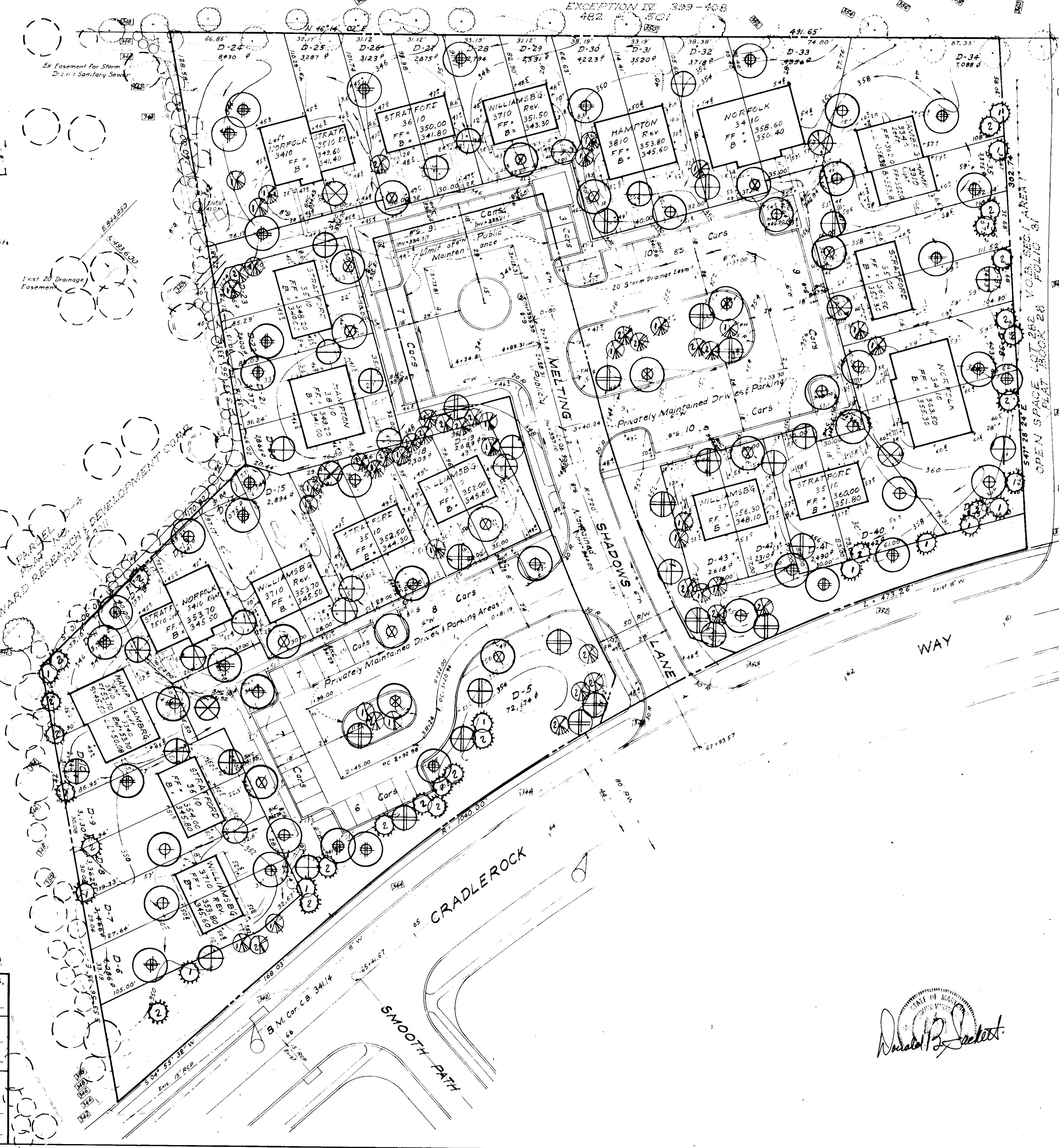


APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 6-12-78
HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR DATE
CHIEF DIVISION OF LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 6-6-78
DIRECTOR DATE

[Signature] 6-6-78
CHIEF BUREAU OF ENGINEERING DATE



KEY	PLANT NAME	SIZE	QUANT	REMARKS
⊕	ACER RUBRUM RED MAPLE	2 1/2" CAL. 12-14 HT.	13	B 1 B HEAVY HEADS
⊕	ACER SACCHARUM SUGAR MAPLE	"	9	"
⊕	ACER PLATANOIDES NORWAY MAPLE	"	25	"
⊕	LIQUIDAMBAR STYRACIFLUA SWEETGUM	"	13	"
⊕	FAGUS SYLVATICA EUROPEAN BEECH	"	3	"
⊕	AMELANCHIER CANADENSIS SHADBLow CLUMP	2-2 1/2" CAL 8-10 HT	6	B 1 B 3 STEM CLUMP
⊕	PRUNUS CERACIFERA THUNDERCLOUD PURPLE LEAF PLUM	"	6	B 1 B HEAVY HEADS
⊕	MALUS SNOWCLOUD SNOWCLOUD CRABAPPLE	"	9	"
⊕	MALUS HOPA HOPE CRABAPPLE	"	20	"
⊕	PRUNUS SERRULATA KWANZAN KWANZAN CHERRY	"	14	"
⊗	PINUS THUNBERGII JAPANESE BLACK PINE	6-7 HT 2-2 1/2" CAL	30	B 1 B HEAVY
⊗	PINUS THUNBERGII JAPANESE BLACK PINE	7-8 HT. 2-2 1/2" CAL.	21	"
⊗	PINUS STROBUS WHITE PINE	6-7 HT. 2-2 1/2" CAL.	15	"
⊗	PINUS STROBUS WHITE PINE	7-8 HT. 2-2 1/2" CAL.	21	"

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 5-10-78
[Signature]

NOTE: ALL PLANT MATERIAL AND PLANTING PROCEDURES SHALL BE IN COMPLIANCE WITH THE STANDARD H.R.D. COLUMBIA PLANTING SPECIFICATIONS. SUBSTITUTIONS MAY BE PERMITTED WITHIN THE SAME GENUS BUT MUST BE APPROVED BY THE LANDSCAPE ARCHITECT. (593-3400)

CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
3115 LURKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED V.H.T.
DRAWN V.H.T.
CHECKED
DATE MAY '78

LANDSCAPE PLANTING PLAN
LOTS D-5 THRU D-43
A RESUBDIVISION OF PARCEL D-3

COLUMBIA
VILLAGE OF AVEN BROVN SECTION 1 AREA 1
6TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
FOR: THE RYLAND GROUP, INC.
SUITE 200 V.O.M. OFFICE BUILDING
COLUMBIA, MARYLAND 21045

SCALE 1"=30'
DRAWING 4044
JOB NO.
FILE NO. LS 115