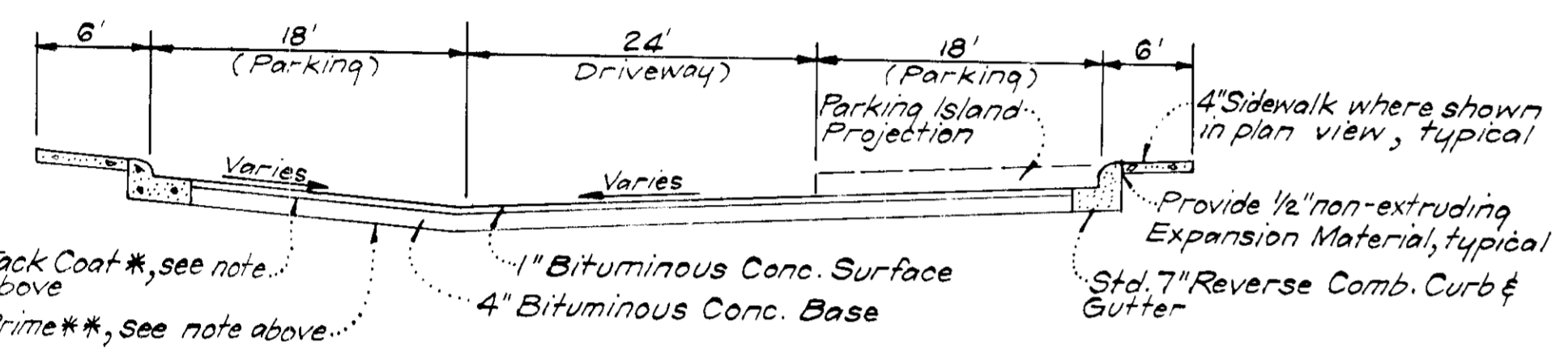


TYPICAL PAVING SECTION WITH PARKING AREAS THRU PUBLIC ROADS

NO SCALE

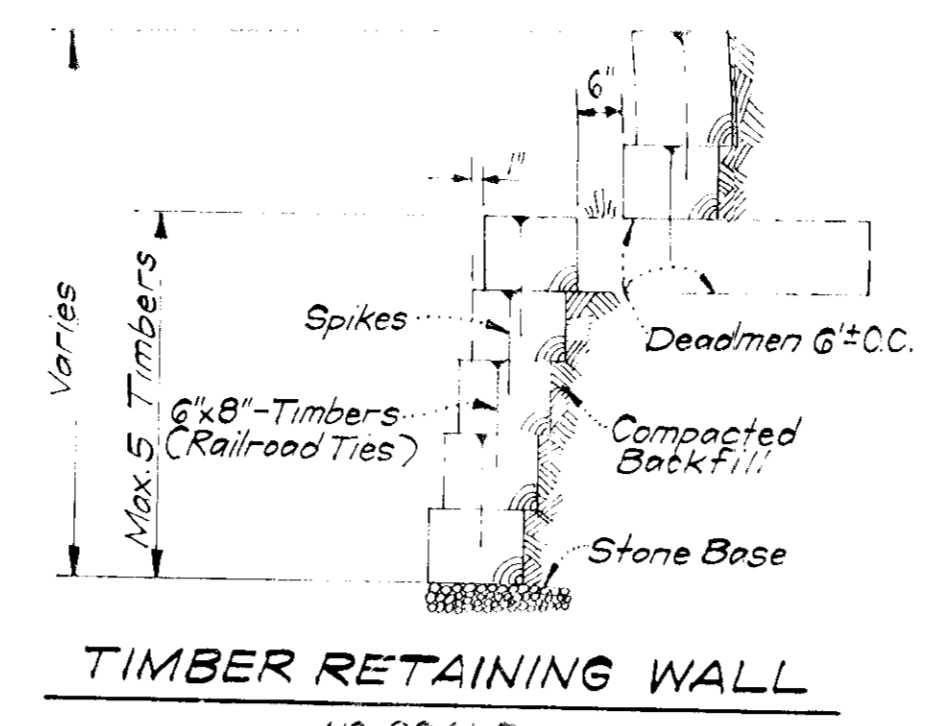
- * Tack Coat 5" Base Course in accordance with Howard County Std. Specs. Section C-31-4.
- ** Prime Coat ex subbase in accordance with Howard County Std. Specs. Section C-30-3



TYPICAL PAVING SECTION PRIVATE DRIVE AND PARKING

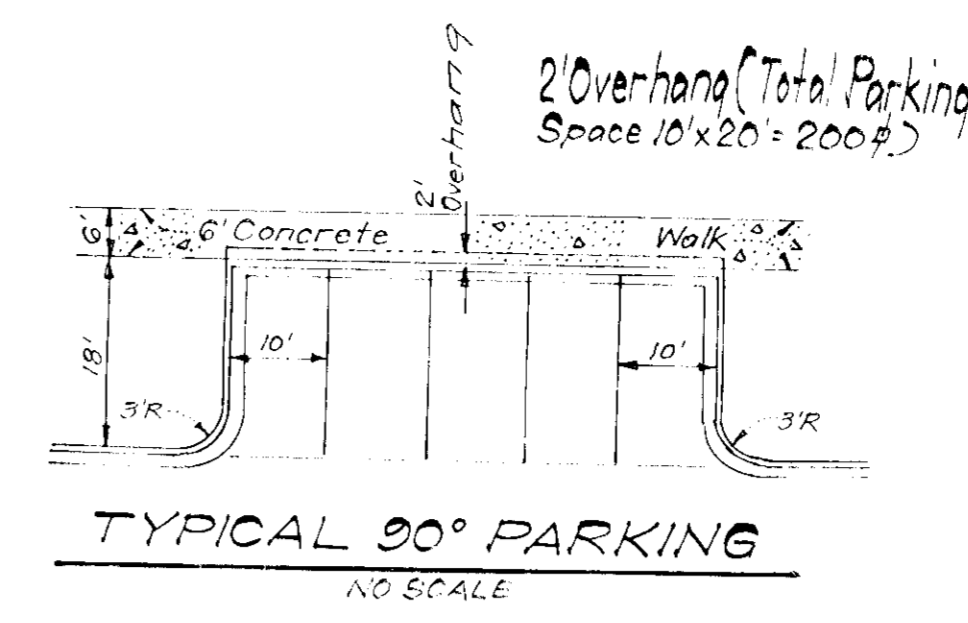
NO SCALE

NOTE: Where direction of flow is toward the curb 7" Combination Curb & Gutter shall be used instead of 7" Reverse Comb. Curb & Gutter



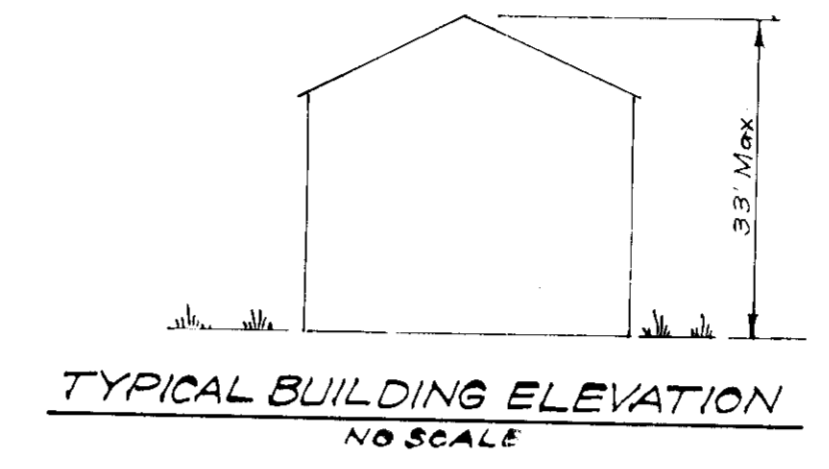
TIMBER RETAINING WALL

NO SCALE



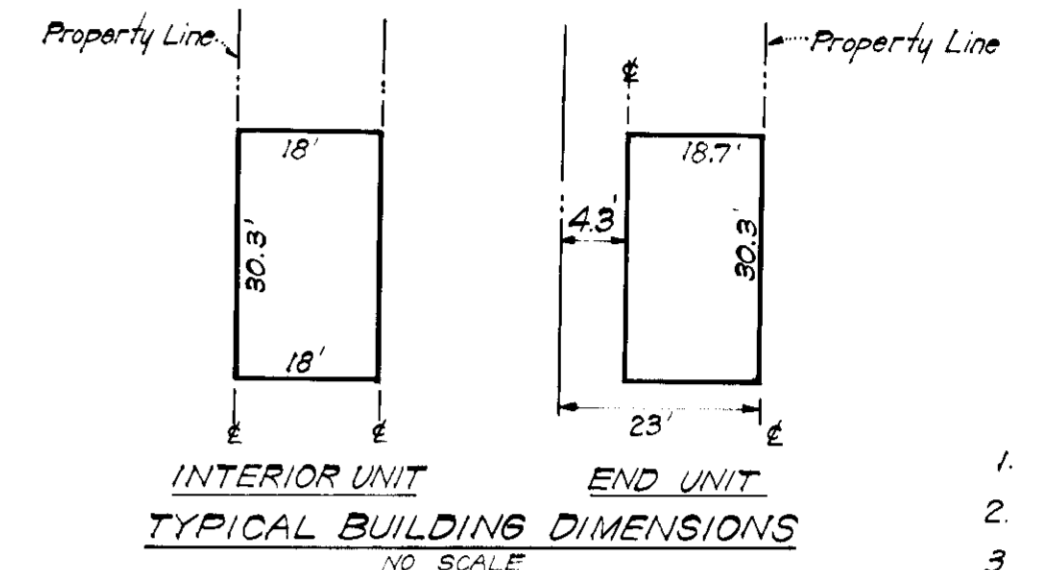
TYPICAL 90° PARKING

NO SCALE



TYPICAL BUILDING ELEVATION

NO SCALE

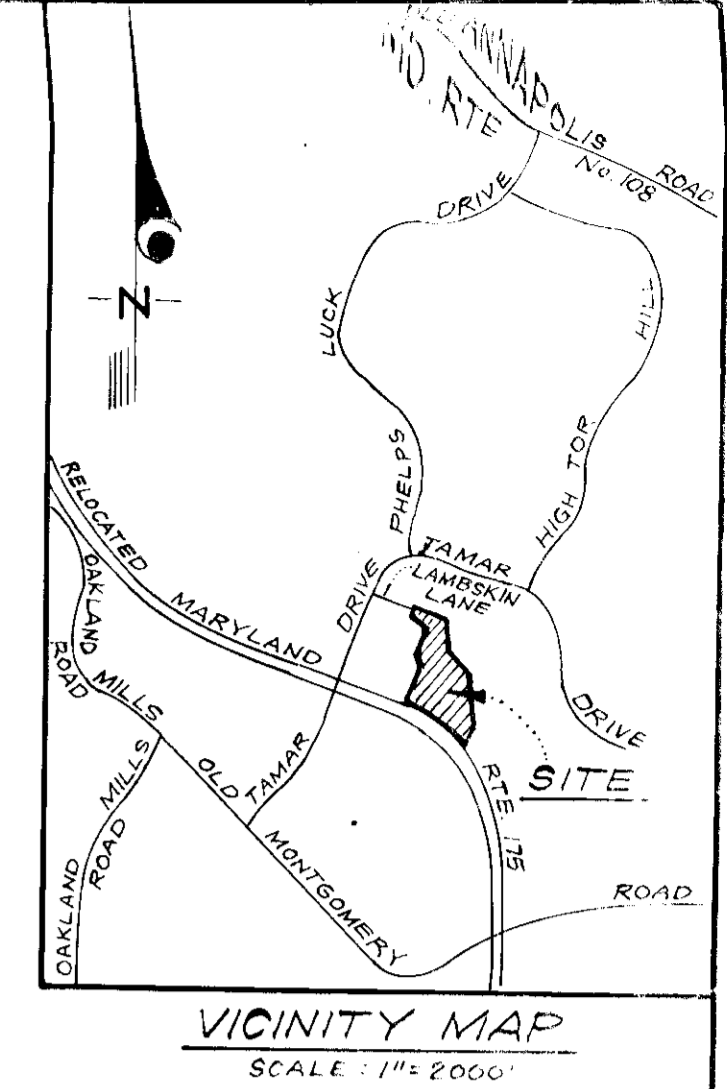


TYPICAL BUILDING DIMENSIONS

NO SCALE

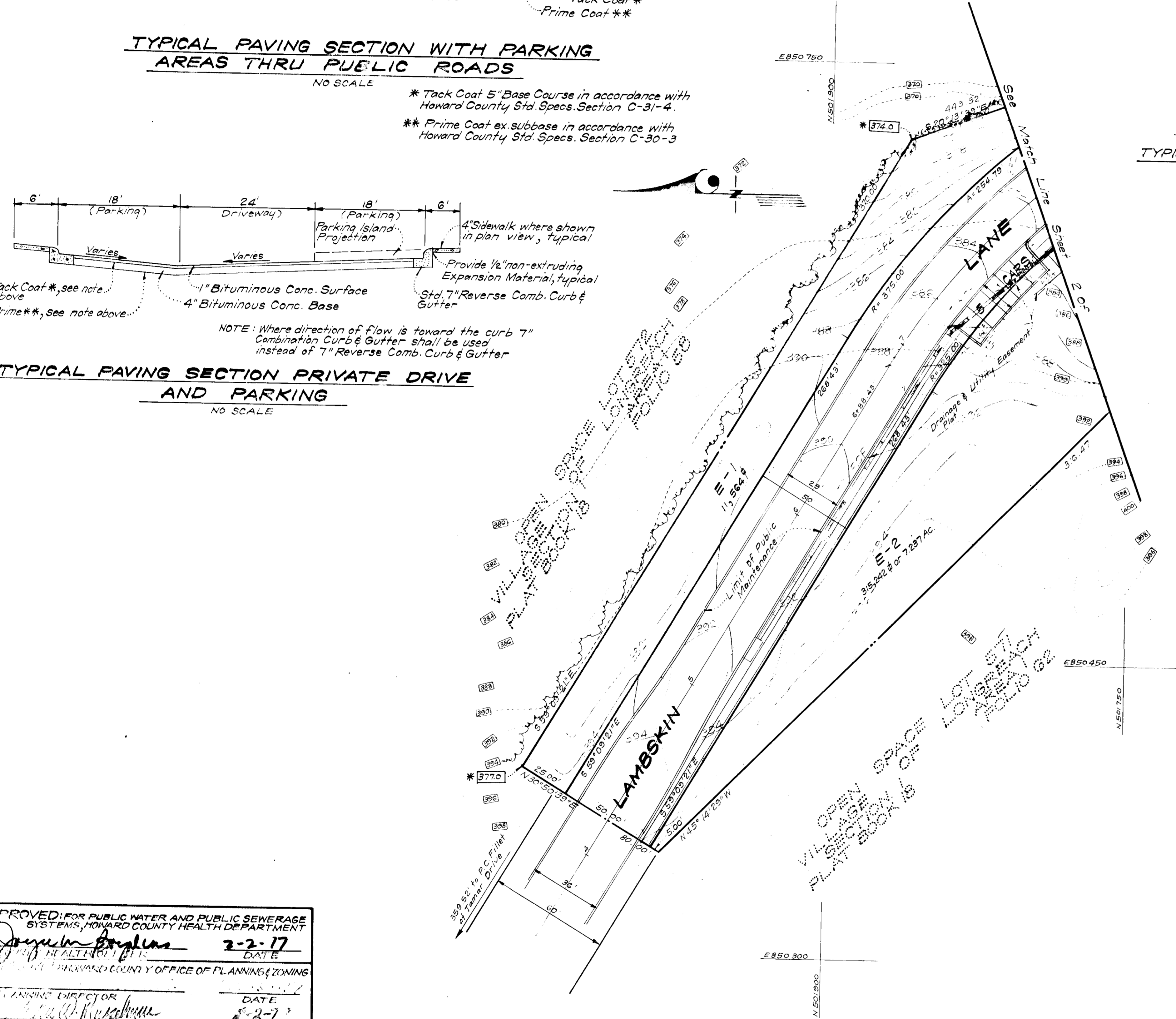
LEGEND

1. Contour Interval 2 FT.
2. Existing Contours 380
3. Proposed Contours 380
4. Spot Elevations +80 E
5. Direction of Drainage
6. Existing Trees To Be Retained
7. Proposed Storm Drain Inlets
8. Proposed Storm Drain Pipe
9. Retaining Wall, See Detail This Sheet
10. 100 Year Flood Plain Elevations 74.0*



SITE ANALYSIS

1. Zoning: Attached Land Use
2. Area: 13.535 Acres
3. Maximum No. Of Units Permitted: 150
4. Number of Units Shown: 120
5. Parking Spaces Required: 240
6. Parking Spaces Provided: 240
7. Installation of traffic control devices, markings and signing shall be in accordance with the Manual of Uniform Traffic Control Devices, latest edition.
8. All parking spaces and traveled ways with the exception of Lanesville Lane and Bronze Bell Circle to be privately owned and maintained.
9. All building setback restrictions to be complied with those set forth in Final Development Plan Phase 77-A-2 recorded in Plat Book 20 Folios 95 thru 117, except those previously waived by the Howard County Planning Board on March 17, 1976.
10. All coordinates are based on Maryland State Grid System. Elevations are based on the US Coast and Geodetic Survey Mean Sea Level Datum of 1929.
11. The area covered in this submission is located on Tax Map No 36, Parcel 380.
12. Public Water & Sewer to be utilized.
13. Plat reference: Plat # 3600, 3601
14. Building Coverage = 11.0%
15. Roof Storm Water carried in downspouts will be handled by one of the following methods:
 - (a) Downspout to splash block and discharged to ground having good percolation
 - (b) Downspouts piped to curb
 - (c) Downspouts connected to storm drains
16. The Developer agrees to work with the Dept. Of Licenses & Inspections to resolve any problems caused by Roof Water Discharge
17. Construction will be in accordance with the Howard County Road Construction Code and Standard Specifications.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 Approved by Health Dept. 2-2-77
 Approved by Planning & Zoning 8-2-77
 Approved by Public Works 1/24/77

APPROVED
 9-29-76

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 1115 BARKWOOD DRIVE, SUITE 101, SPRINGFIELD, MARYLAND 20604
 (301) 583-2400

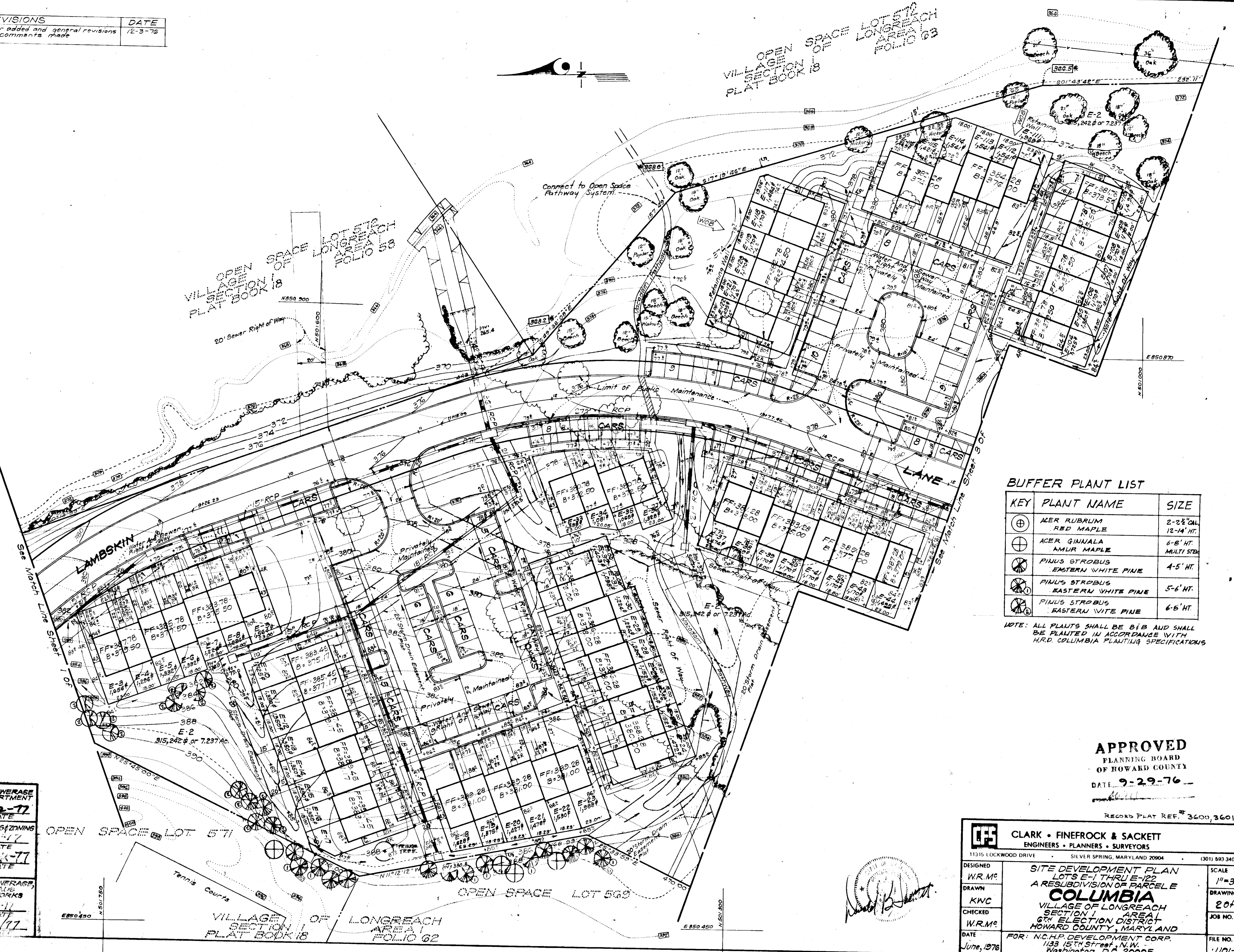
DESIGNED W.R.M.C.	SITE DEVELOPMENT PLAN LOTS E-1 THRU E-122 A RESUBDIVISION OF PARCEL E COLUMBIA VILLAGE OF LONGREACH SECTION 1 AERIAL 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: N.C.H.F. DEVELOPMENT CORP. 1133 15th Street, N.W. Washington, D.C. 20005	SCALE 1" = 30'
DRAWN KWC		DRAWING 1 of 5
CHECKED W.R.M.C.		JOB NO.
DATE June, 1976		FILE NO. 1101-X

NO	REVISIONS	DATE
1	Landscape Buffer added and general revisions as per F.H.A. comments made	12-3-76



VILLAGE OF LONGREACH
SECTION I
PLAT BOOK 18
LOT 571
AREA 62

VILLAGE OF LONGREACH
SECTION I
PLAT BOOK 18
LOT 571
AREA 62



BUFFER PLANT LIST

KEY	PLANT NAME	SIZE
⊕	ACER RUBRUM RED MAPLE	2-2 1/2" CAL 12-14' HT.
⊕	ACER GINNALA AMUR MAPLE	6-8' HT. MULTI STEM
⊗	PINUS STROBUS EASTERN WHITE PINE	4-5' HT.
⊗	PINUS STROBUS EASTERN WHITE PINE	5-6' HT.
⊗	PINUS STROBUS EASTERN WHITE PINE	6-8' HT.

NOTE: ALL PLANTS SHALL BE B1B AND SHALL BE PLANTED IN ACCORDANCE WITH H.R.D. COLUMBIA PLANTING SPECIFICATIONS

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 9-29-76

RECORDS PLAT REF. 3600, 3601

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Jayce M. Ingram 2-2-77
 HEALTH OFFICER
 PLANNING DIRECTOR
W. M. Murchison 2-2-77
 PLANNING DIRECTOR
 PLANNING DIRECTOR
J. N. McInnes 1-31-77
 PLANNING DIRECTOR

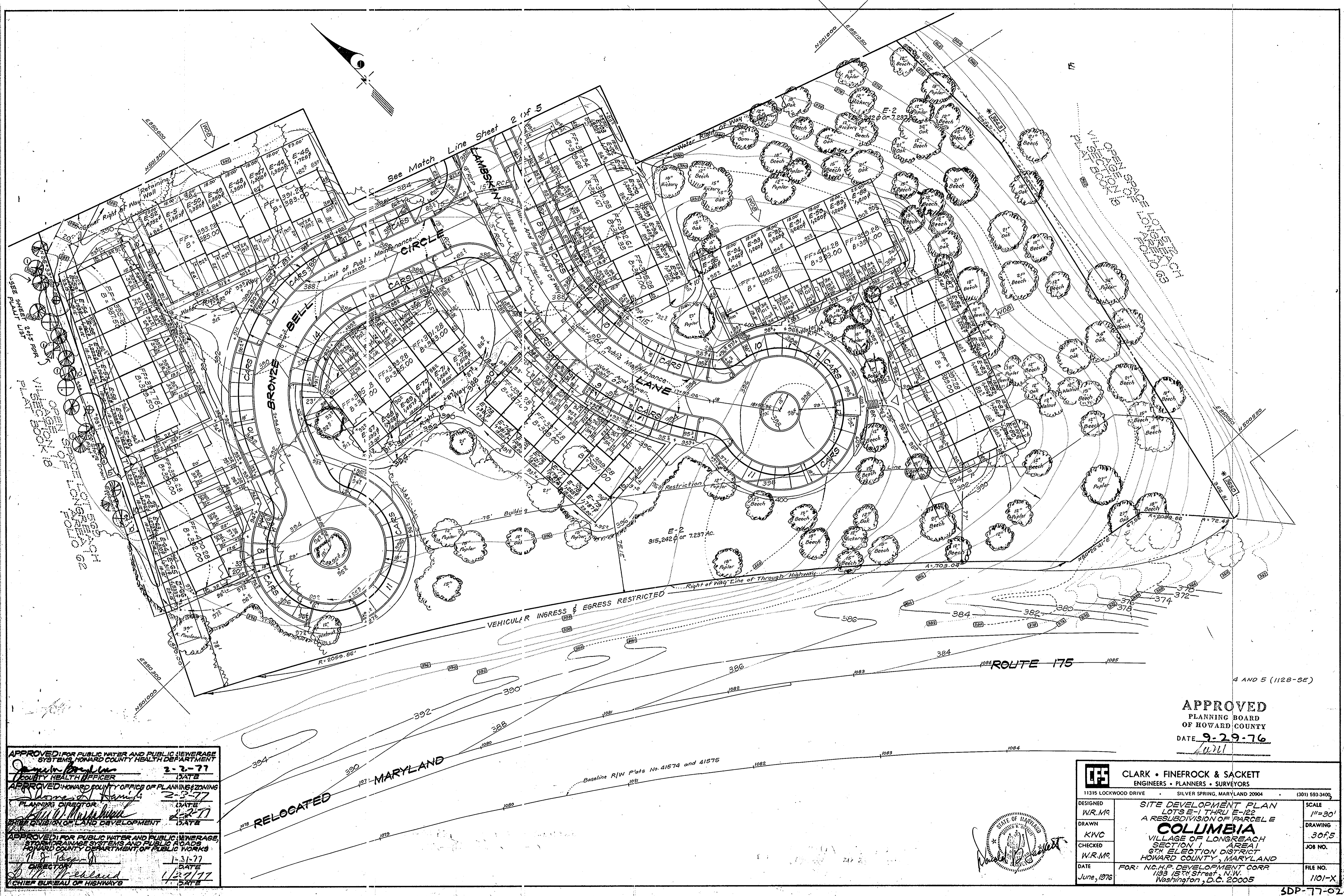
CLARK • FINEPROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 693 3400

DESIGNED: W.R.Mc
 DRAWN: KWC
 CHECKED: W.R.Mc
 DATE: June, 1976

SITE DEVELOPMENT PLAN
 LOTS E-1 THRU E-22
 A RESUBDIVISION OF PARCELS
COLUMBIA
 VILLAGE OF LONGREACH
 SECTION I
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: N.C.H.P. DEVELOPMENT CORP.
 1133 15TH STREET, N.W.
 WASHINGTON, D.C. 20005

SCALE: 1"=30'
 DRAWING: 20F5
 JOB NO.:
 FILE NO.: '1101-X



See Match Line Sheet 2 of 5

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
James P. ...
 COUNTY HEALTH OFFICER
 DATE 2-2-77

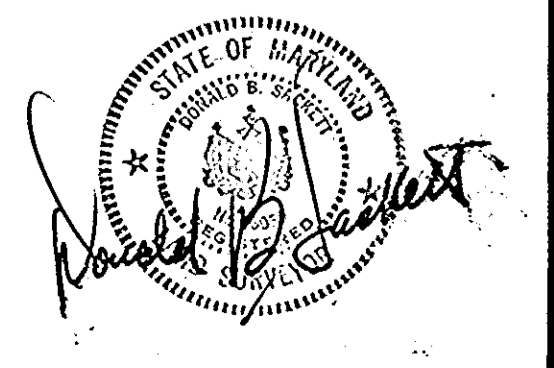
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
James P. ...
 PLANNING DIRECTOR
 DATE 2-3-77

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
...
 DIRECTOR
 DATE 1-31-77

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
...
 CHIEF BUREAU OF HIGHWAYS
 DATE 1-27-77

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 9-29-76
 [Signature]

CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED W.R.Mc	SITE DEVELOPMENT PLAN LOTS E-1 THRU E-32 A RESUBDIVISION OF PARCELS E COLUMBIA VILLAGE OF LONGREACH SECTION 1 AREA 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'
DRAWN KWC		DRAWING 3095
CHECKED W.R.Mc	FOR: N.C.H.P. DEVELOPMENT CORP. 1133 15TH Street, N.W. Washington, D.C. 20005	JOB NO.
DATE June, 1976		FILE NO. 1101-X



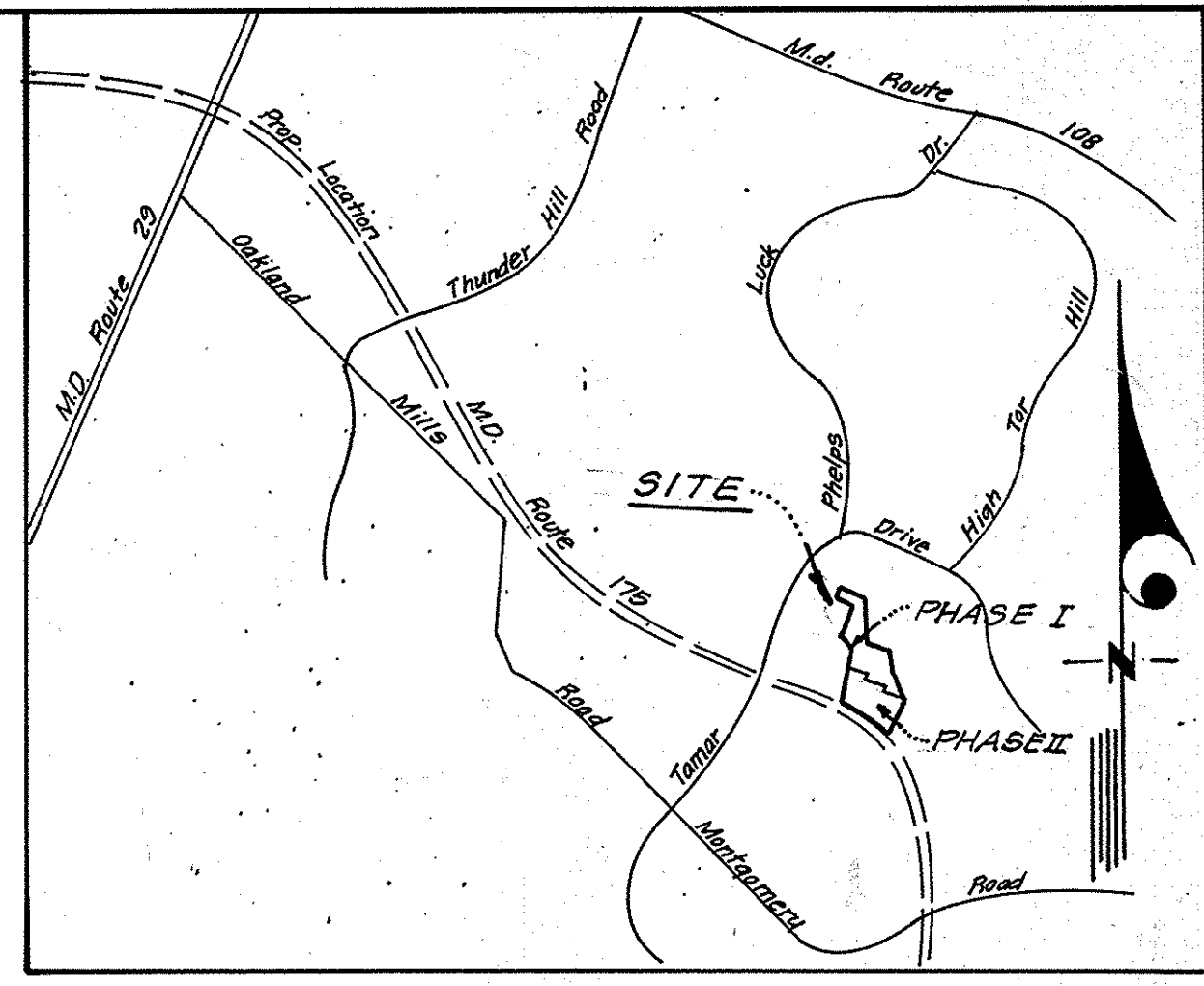
Storm Inlet Sediment Trap No. 1
 Drainage Area = 5.0 Ac.
 Disturbed Area = 4.4 Ac.
 Volume Required = 7960 C.F.
 Volume Available = 8,930 C.F.
 Bottom Elevation = 370.0
 Outlet Elevation = 375.0
 Bottom Dimensions = 32'x22'

Storm Inlet Sediment Trap No. 2
 Drainage Area = 4.5 Ac.
 Disturbed Area = 1.4 Ac.
 Volume Required = 2530 C.F.
 Volume Available = 2530 C.F.
 Bottom Elevation = 375.5
 Outlet Elevation = 376.0
 Bottom Dimensions = 33'x15'

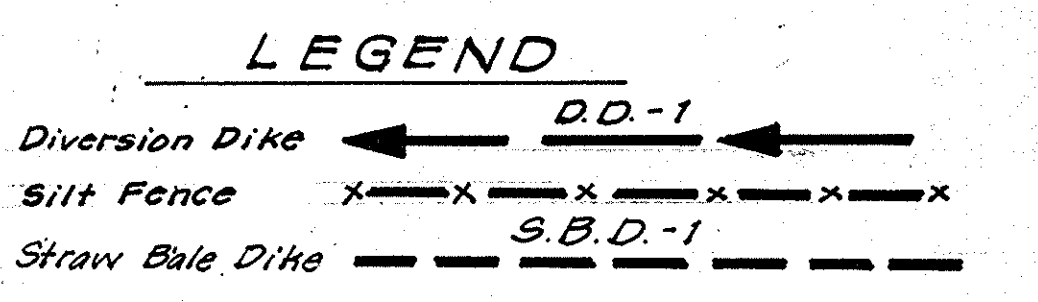
Storm Inlet Sediment Trap No. 3
 Drainage Area = 3.2 Ac.
 Disturbed Area = 2.7 Ac.
 Volume Required = 4,880 C.F.
 Volume Available = 4,900 C.F.
 Bottom Elevation = 382.0
 Outlet Elevation = 385.0
 Bottom Dimensions: See Plan.

Storm Inlet Sediment Trap No. 4
 Drainage Area = 2.1 Ac.
 Disturbed Area = 0.7 Ac.
 Volume Required = 1270 C.F.
 Volume Available = 1300 C.F.
 Bottom Elevation = 383.0
 Outlet Elevation = 386.0
 Bottom Dimensions = 21'x12'

Storm Inlet Sediment Trap No. 5
 Drainage Area = 4.6 Ac.
 Disturbed Area = 0.2 Ac.
 Volume Required = 365 C.F.
 Volume Available = 600 C.F.
 Bottom Elevation = 382.0
 Outlet Elevation = Inv. Slots = 384.3
 Bottom Dimensions 17'x10'



VICINITY MAP
 Scale: 1"=2000'



Note: For details of Storm Inlet Sediment Traps see "Standards & Specifications" page 20.08 Dwg. ST-4.

CONSTRUCTION SEQUENCE

1. Install Stone Construction Entrance on Lambskin Lane Sta 4+20.
2. Grade as necessary to construct Diversion Dikes Labeled (A), Stabilize Dikes as per General Note #1 & install Straw Bale Dike along Lambskin Lane.
3. Grade as necessary in area of Storm Inlet Sediment Trap Nos. 1,2,3,4 & 5 so that they can be constructed and provide continuous positive drainage to them.
4. Rough grade streets.
5. Install storm drainage for total site and immediately provide Stone Filter Inlet Protection for all inlets.
6. Install Water and Sewer for total site.
7. Construct public streets (Bronze Bell Circle & Lambskin Lane- publicly maintained portion only).
8. Install Silt Fence Labeled (A) along perimeter of site.
9. Grade site and immediately install Diversion Dike to Storm Inlet Sediment Trap No. 3 (Lambskin Lane Sta. 16+10 and Bronze Bell Circle Sta 0+00.)
10. Construct houses, parking, paving, curb & gutter and sidewalks in area Labeled Phase I.
11. Install Silt Fence labeled (B) and Stone Construction Entrance (B) across Lambskin Lane Sta. 15+00.
12. Stabilize Phase I area and remove Sediment & Erosion Control (with permission from Howard Soil Conservation District).
13. Construct houses, parking, paving, curb & gutter and sidewalks in area labeled Phase II.
14. Stabilize Phase II area and remove Sediment & Erosion Control (with permission from Howard Soil Conservation District).

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 9-29-76
 [Signature]

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] DATE 2-2-77
 COUNTY HEALTH OFFICER

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 [Signature] DATE 2-3-77
 PLANNING DIRECTOR

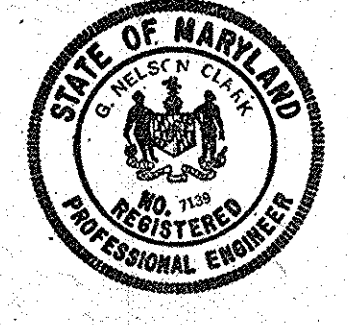
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] DATE 11-24-77
 CHIEF BUREAU OF HIGHWAYS

Reviewed for HOWARD COUNTY S.C.D.
 Name: [Signature]
 and meets Technical Requirements
 Signature: [Signature] DATE 1/27/77
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 [Signature] DATE 1/27/77
 Approved

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 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] DATE 8-13-76

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] DATE 7-7-76
 G. Nelson Clark

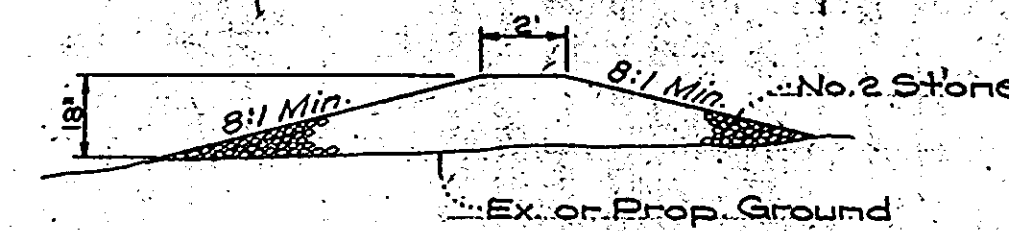


CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

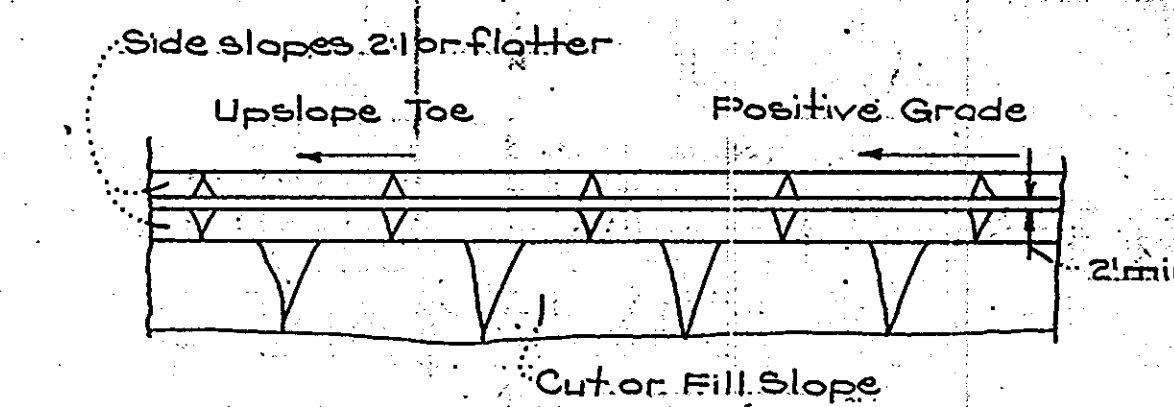
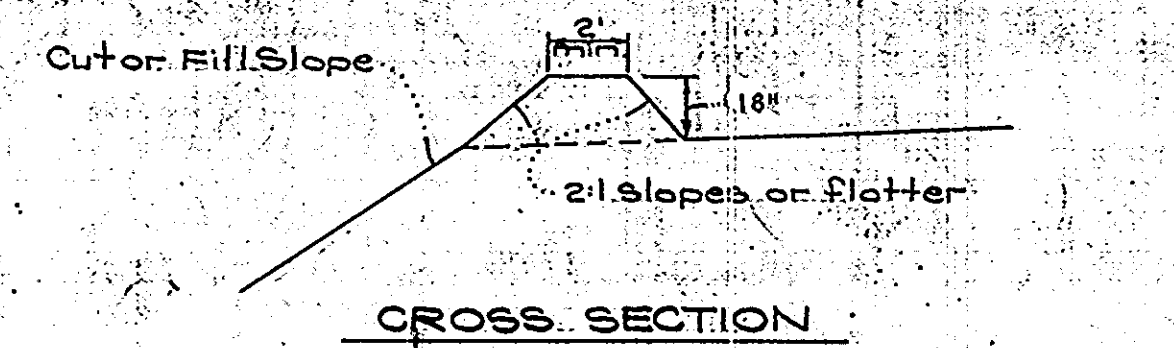
DESIGNED R.U.S.	SEDIMENT & EROSION CONTROL PLAN LOTS E-1 THRU E-122 A RESUBDIVISION OF PARCEL "E" COLUMBIA VILLAGE OF LONGREACH SECTION 1 AREA 1 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=50'
DRAWN K.I.W.		DRAWING 4 of 5
CHECKED G.N.C.		JOB NO.
DATE July 1976		FILE NO. 1128-3E
		For: N.C.H.P. Development Corp 1133 15th Street N.W. Washington, DC. 20005

**SODDING NOTES FOR
STORM DRAIN OUTFALL DITCH**

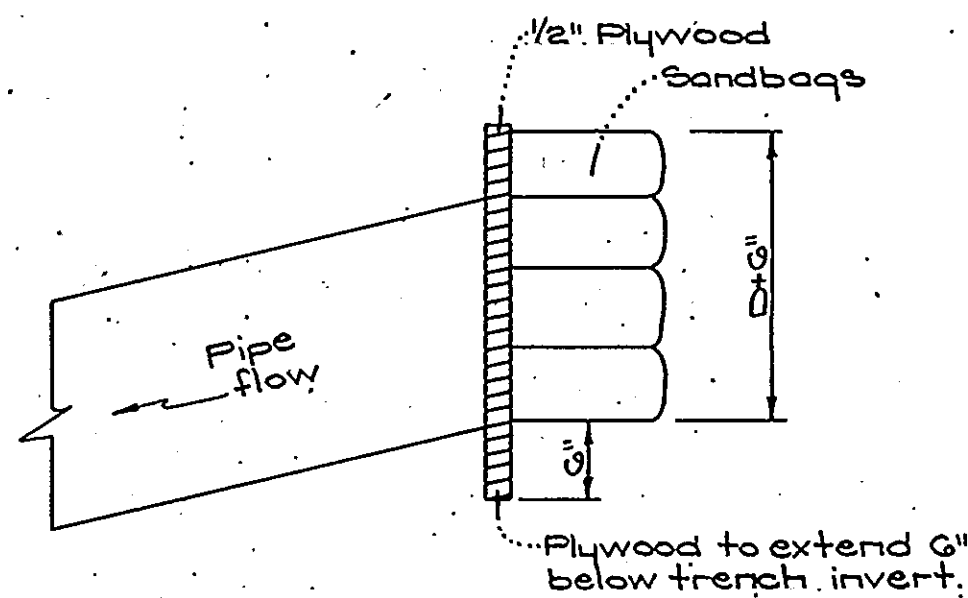
1. Apply 10-10-10 Fertilizer @ 1000#/acre (25#/1000s.f.)
2. Apply Ground Agricultural Limestone @ 2000#/acres (50#/1000s.f.)
3. Incorporate both Lime & Fertilizer into Soil by discing. Firm up after incorporation.
4. Lay Sod to a tight fit. Roll to ensure contact with underlying soil. Water as necessary for 1st two weeks (in Summer) to ensure establishment.



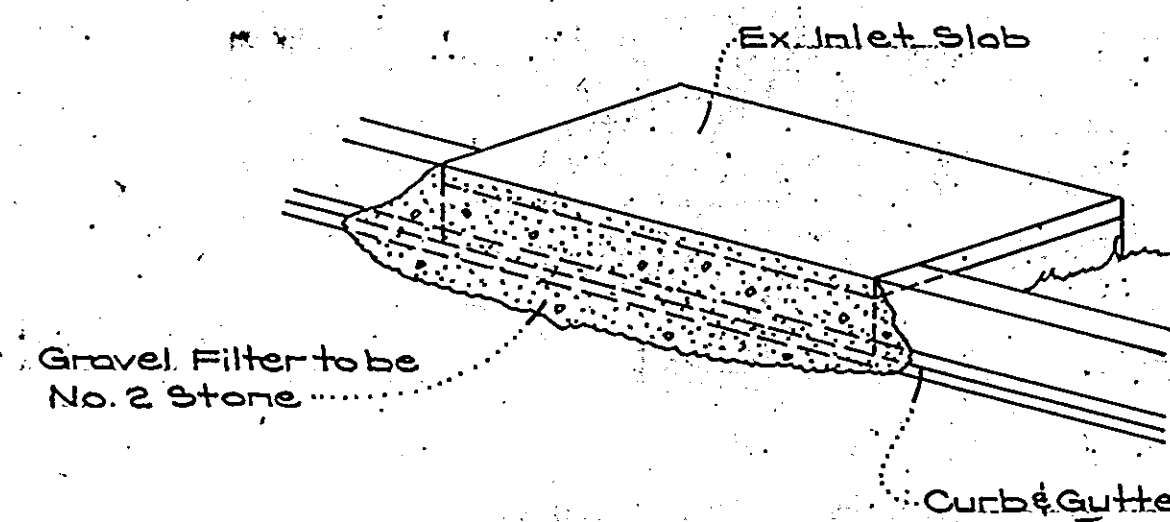
STONE CONSTRUCTION ENTRANCE DETAIL
No. Scale



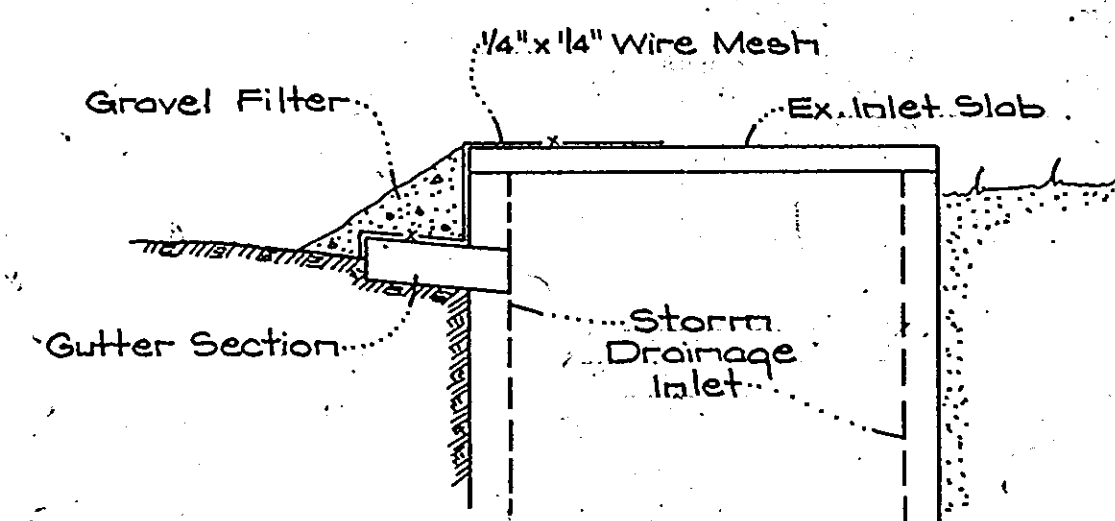
DIVERSION DIKE (O.D. 1)
No. Scale



PIPE BLOCKING DETAIL
No. Scale



ISOMETRIC VIEW



STONE FILTER INLET PROTECTION DETAIL
No. Scale

GENERAL NOTES

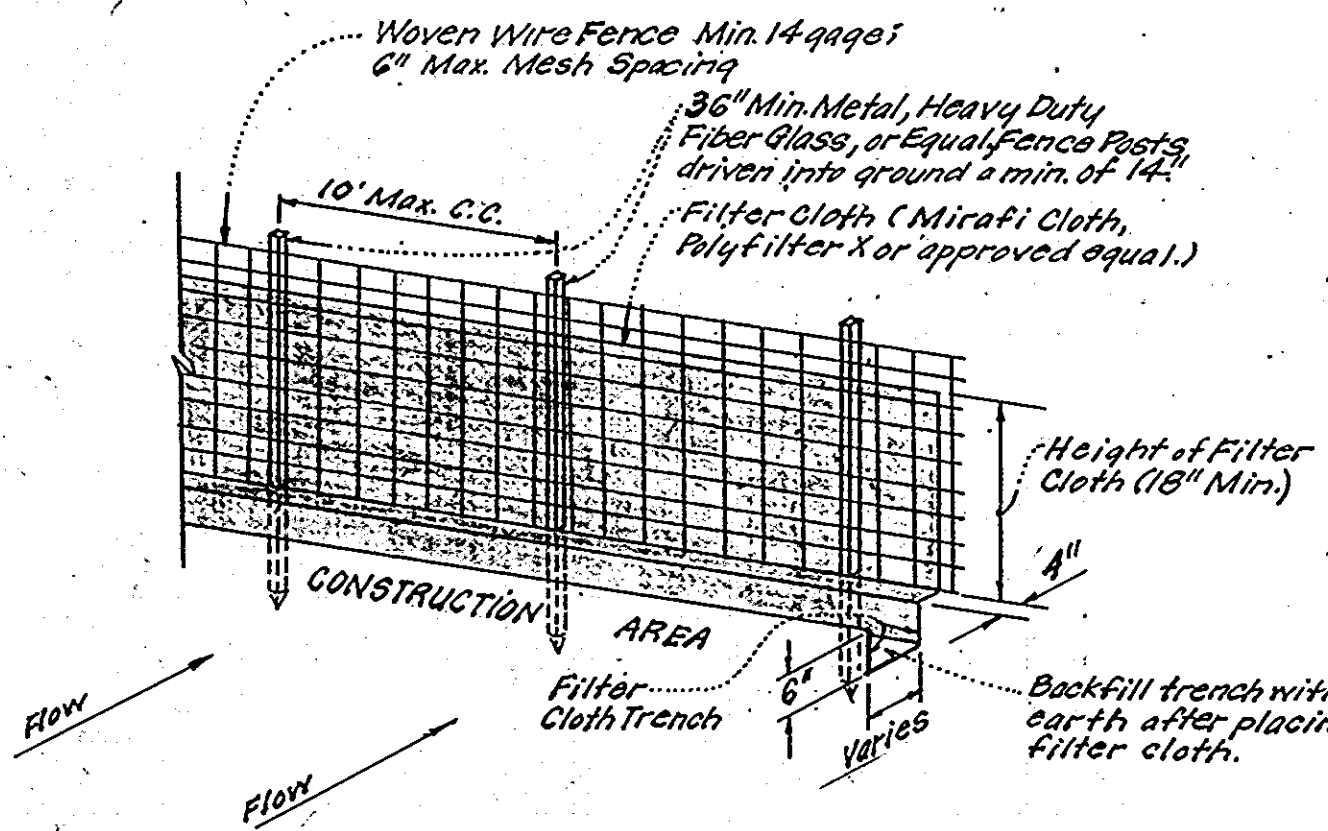
1. All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing, or disturbance of the existing surface of the site. See Notes 5 for stabilization except that the seed mixture will be Annual Ryegrass applied at the rate of 14 lbs/1000 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 Developing 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 31, and 20% Annual Ryegrass.
 - b. 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 40 lbs/1000 sq. ft.
 - c. 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 binders, 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 465-3180 or 465-5000, ext. 328.
7. On site inspection and maintenance of all sediment control measures including cleanup 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.
8. 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.
9. Site Analysis:

Total Area:	13.5 Ac.
Area To Be Roofed:	1.5 Ac.
Area To Be Paved:	4.0 Ac.
Area To Be Seeded:	5.2 Ac.
Area Undisturbed:	2.8 Ac.
10. The Contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.
11. It will be the Developer's responsibility to provide additional Sediment and Erosion Control Devices to protect stabilized areas during construction.
12. Stone Filter Inlet Protection shall be provided at all inlets in the Street Rights of Way as per detail this sheet.
13. See Sheet 1 for Construction Sequence
14. Storm drainage pipes shall be protected at the end of each working day as per Pipe Blocking Detail this sheet.
15. Wide splash blocks shall be installed at all down spouts and area in vicinity shall be graded to induce sheet flow.
16. It is the developer's responsibility to supply his sediment control contractor with a copy of the "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas." Copies can be obtained from the Howard Soil Conservation District.
17. Vertical joints (one every 3 courses and a maximum of 3 per side) shall be left out of inlets to be used as sediment traps for dewatering purposes.

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 9-29-76



CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS		11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904	(SP) 593-3400
DESIGNED R.J.S.	SEDIMENT & EROSION CONTROL PLAN LOTS E-1 THRU E-122 A RESUBDIVISION OF PARCEL "E"		SCALE As Shown
DRAWN K.W.	COLUMBIA VILLAGE OF LONGREACH SECTION 1 AREA 1		DRAWING 5 of 6
CHECKED G.N.C.	6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND		JOB NO.
DATE JULY 1976	FOR N.C.H.P. Development Corp. 1123 15th Street N.W. Washington D.C. 20005	FILE NO. 1128-5E	



SILT FENCE DETAIL
No. Scale

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".

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 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.

8-13-76 *Brooks R. Palmer*
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.

7-7-76 *G. Nelson Clark*
Date Signature

Reviewed for HOWARD COUNTY S.C.D.
and meets Technical Requirements
Eric W. Johnson
Signature Date 1/27/77
U.S. Soil Conservation Service

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

APPROVED: *Robert W. Ziehl* DATE: 1/27/77

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
James Brock DATE: 2-27-77
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
William J. ... DATE: 2-3-77
PLANNING DIRECTOR

Bill W. ... DATE: 2-2-77
CHIEF DIVISION OF LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
... DATE: 1-31-77
DIRECTOR

D. W. ... DATE: 1/29/77
CHIEF, BUREAU OF HIGHWAYS