

NOTES:

- All construction to be in accordance with Howard County Road Construction and Specifications.
- This plan is covered by Final Development Plan Phase: F.D.P. - 181-A-1, Part 1.
- Any damage to county owned rights of way shall be corrected at the Developer's expense.
- Installation of Traffic Control Devices shall be in accordance with the latest edition of the "Manual of Uniform Traffic Control."
- Topography was compiled from actual field survey.
- The area included is located on Tax Map #35.
- All driveways and parking to be privately owned and maintained.
- All coordinates are based on Howard County Geodetic Control traverse which is based upon the Maryland State Plane Coordinate System.
- Class 10" trench bedding shall be used for all storm drainage unless shown otherwise.
- Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elev. of mains by digging test pits, by hand, at all utility crossings, well in advance of construction.
- The contractor or developer shall contact the Construction, Inspection/Survey Division 24 hours in advance of commencement of work at 292-2417 or 792-7272.
- All downspout drains shall be handled by one of the following methods:
 - Downspout to splash blocks and discharged to ground having good percolation
 - Downspout in front of units piped to curb
 - Downspout connected to storm drain
- The developer agrees to work with the Department of Licenses and Inspections to resolve any problems caused by roof water discharge.
- Handicap parking details shall be in accordance with the Maryland Building Code for the Handicapped, Section 5.01-7.05 and details sheet 2.
- All setback requirements and criteria as shown on F.D.P. 181-A-1, Part 1.
- Zoning: New Town (Apts) F.D.P. 181-A-1, Part 1.
- Total Area: 6.408 Acres
- No Units Shown: 36 (2.8 Plex & 10 Plex Bldgs)
- No Parking Spaces Required: 192, Provided: 192
- No Handicapped Parking Spaces Required: 8, Provided: 8
- Building Coverage: 11,396
- Type A Unit: 800 sq ft; 8 Units; 2 BR w/ 1 Bath
- Type B Unit: 875 sq ft; 8 Units; 2 BR w/ 2 Bath
- Type C Unit: 975 sq ft; 8 Units; 2 BR w/ 1 Bath
- Type D Unit: 925 sq ft; 8 Units; 2 BR w/ 2 Bath
- Variance Petition V.P. - 85-56 has been granted to this site.

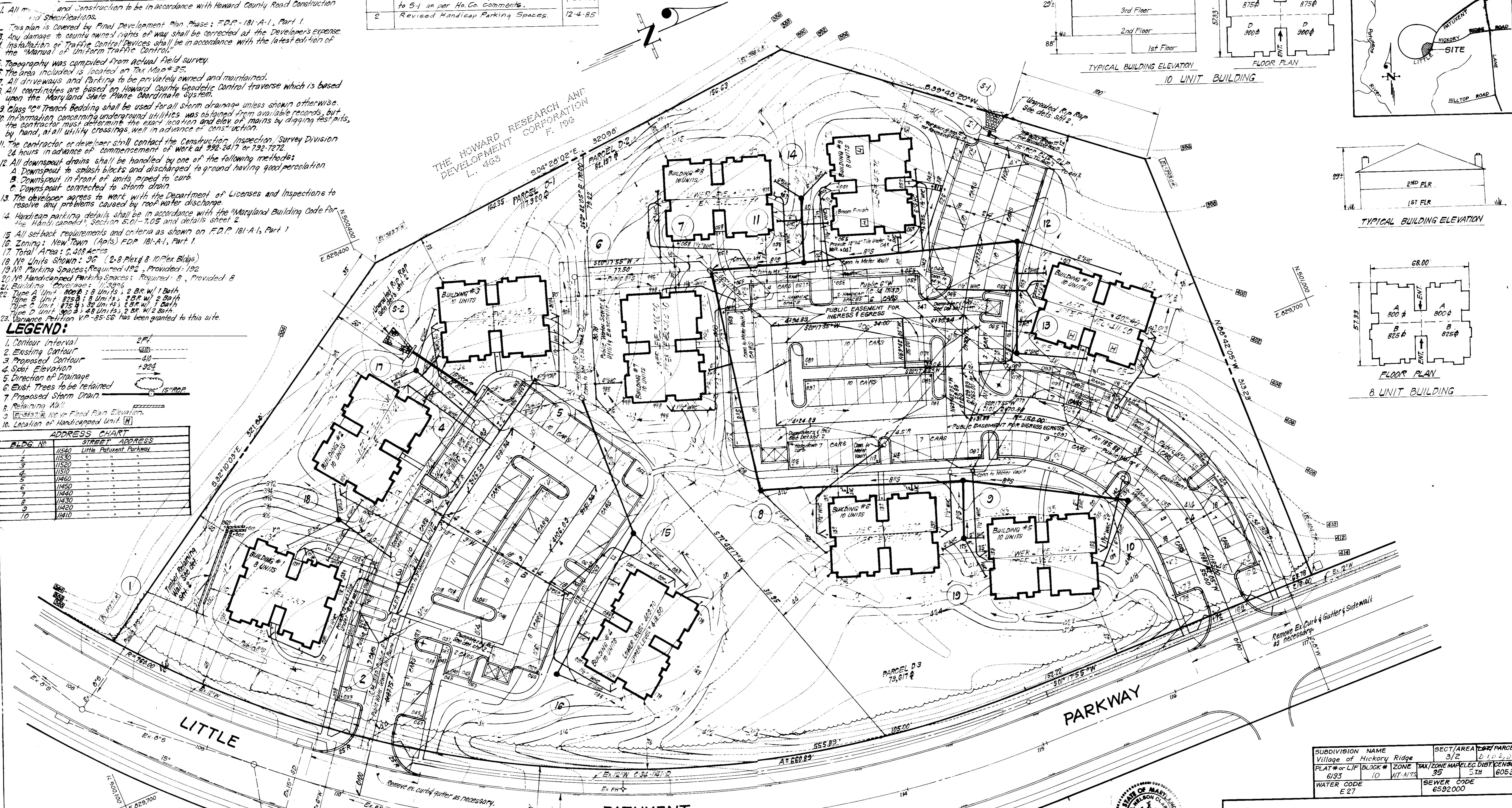
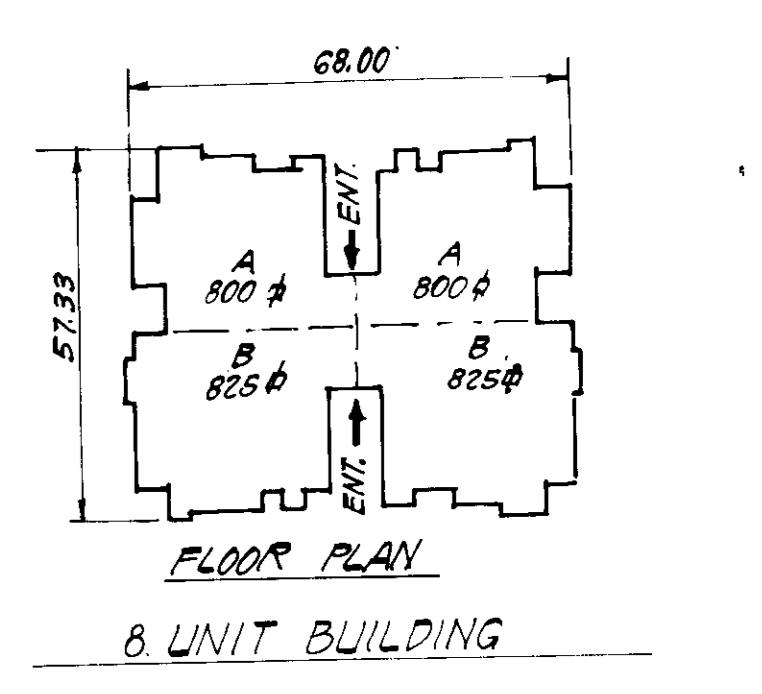
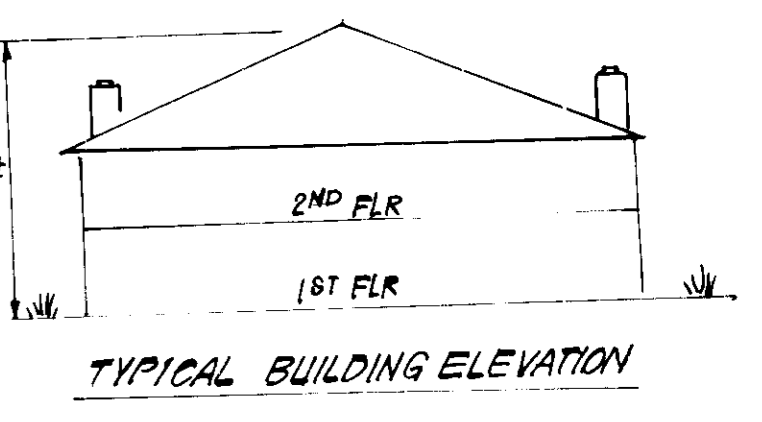
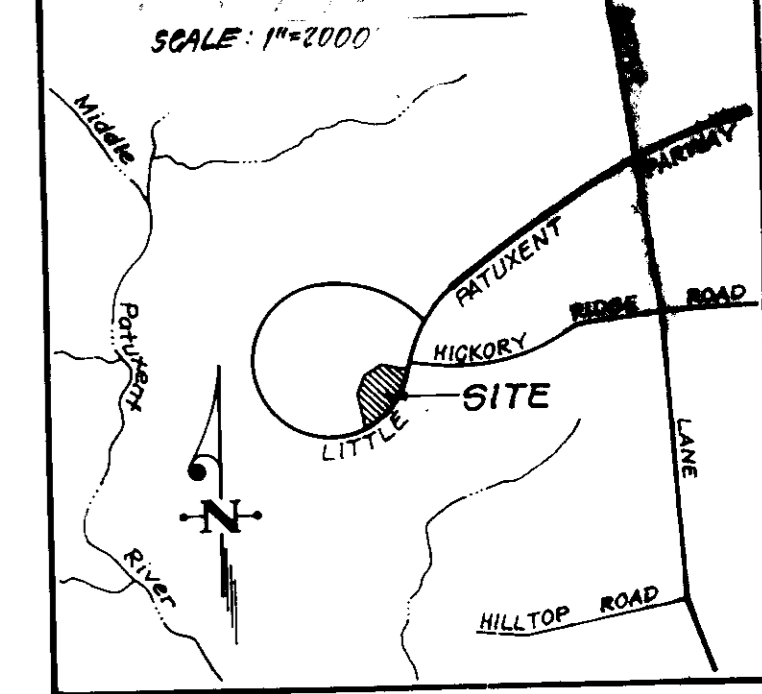
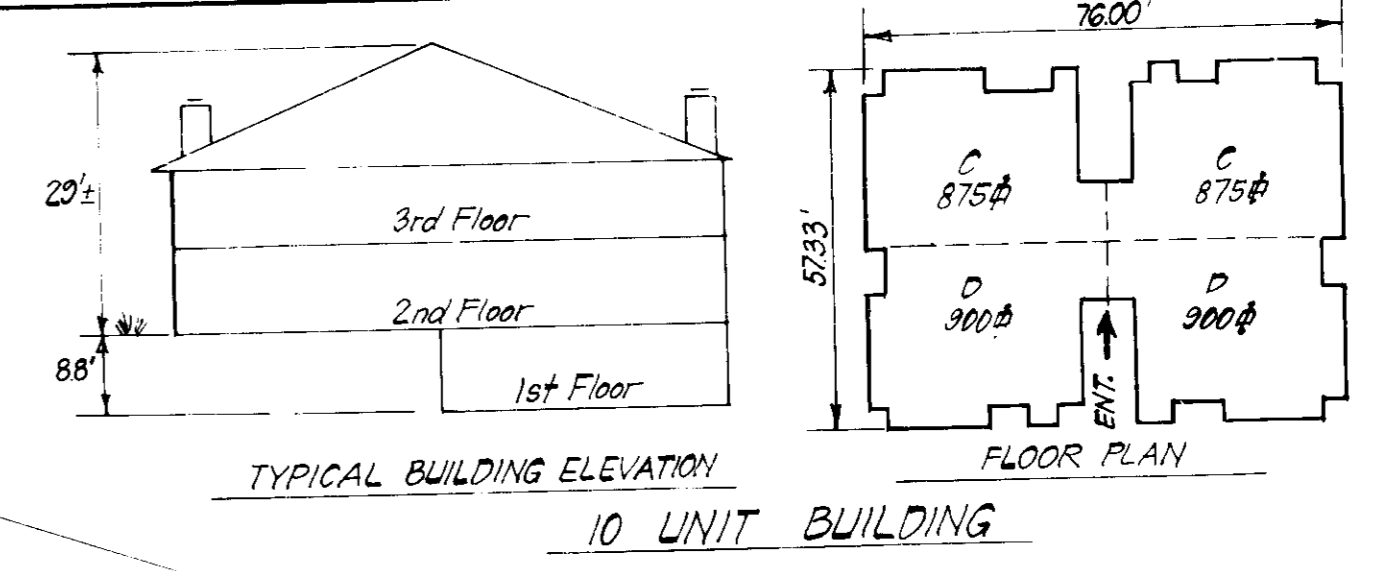
LEGEND:

- Contour Interval 2 FT
- Existing Contour 40
- Proposed Contour 40
- Spot Elevation +924
- Direction of Drainage
- Exist Trees to be retained
- Proposed Storm Drain 15" ROP
- Retaining Wall
- 100 yr Flood Plain Elevation
- Location of Handicapped Unit [H]

BLDG. NO.	STREET ADDRESS
1	11540 Little Patuxent Parkway
2	11530
3	11520
4	11510
5	11460
6	11450
7	11440
8	11430
9	11420
10	11410

No.	REVISION	DATE
1	Moved storm drain system from I-1 to S-1 in per Ho. Co. comments.	7-23-85
2	Revised Handicap Parking Spaces.	12-4-85

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
L. 463



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 2-29-85
 COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DATE: 4-16-85
 PLANNING DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 3-11-85
 DIRECTOR

CHIEF BUREAU OF ENGINEERING
 DATE: 3-27-85

1-9-85
 M/JAM

Reviewed for Howard S.D.D. Name and address Technical Requirements Date
 Approved

ENGINEER'S CERTIFICATE
 I/We certify that all development and construction will be done according to this plan of subdivision and plan for erosion and sediment control and that all responsible persons involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as deemed necessary.

6 Nelson Clark 10-15-84 Date

ENGINEER'S CERTIFICATE
 I/We 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.

6 Nelson Clark 10-15-84 Date

SUBDIVISION NAME Village of Hickory Ridge	SECT./AREA 3/2	PLAT # 6193	ZONE 10	TAX/ZONE MAP/ELEC. DIST./CENSUS 35 5TH	PARCEL D-1, D-2 & D-3	DIST./CENSUS 6053.0
WATER CODE E 27	SEWER CODE 6582000					

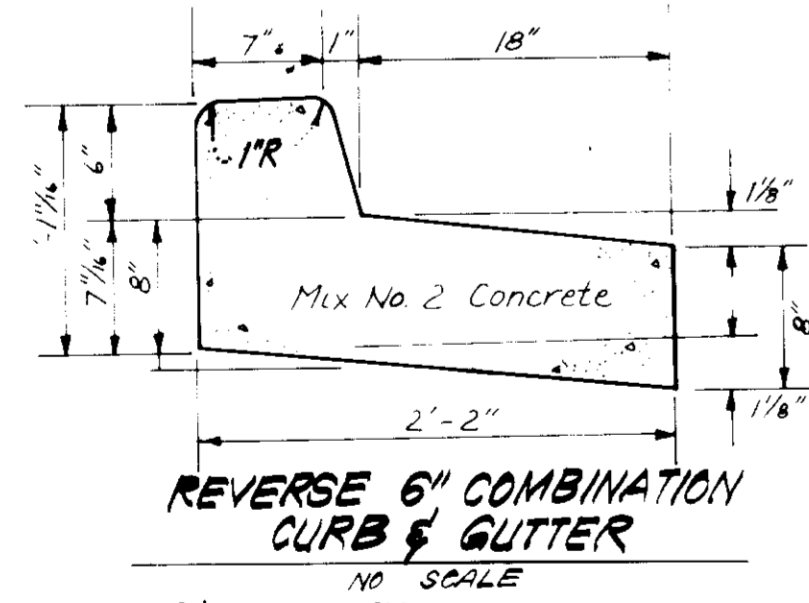
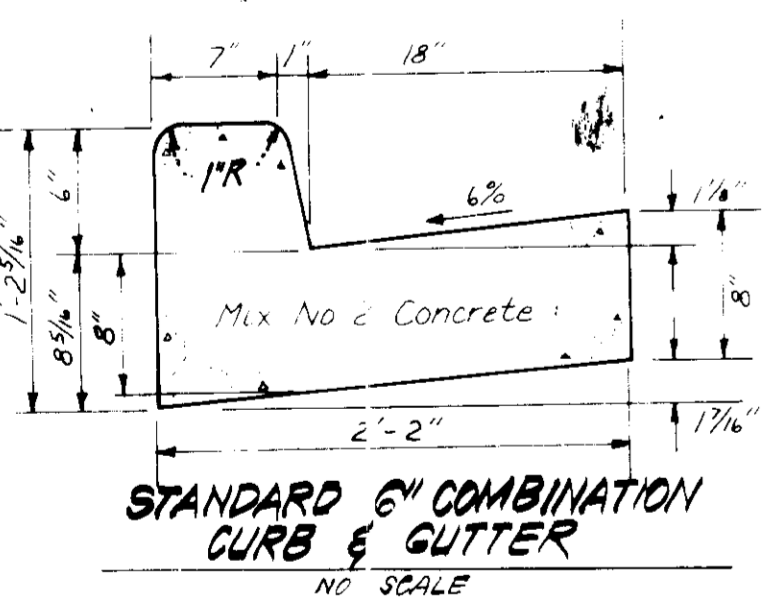
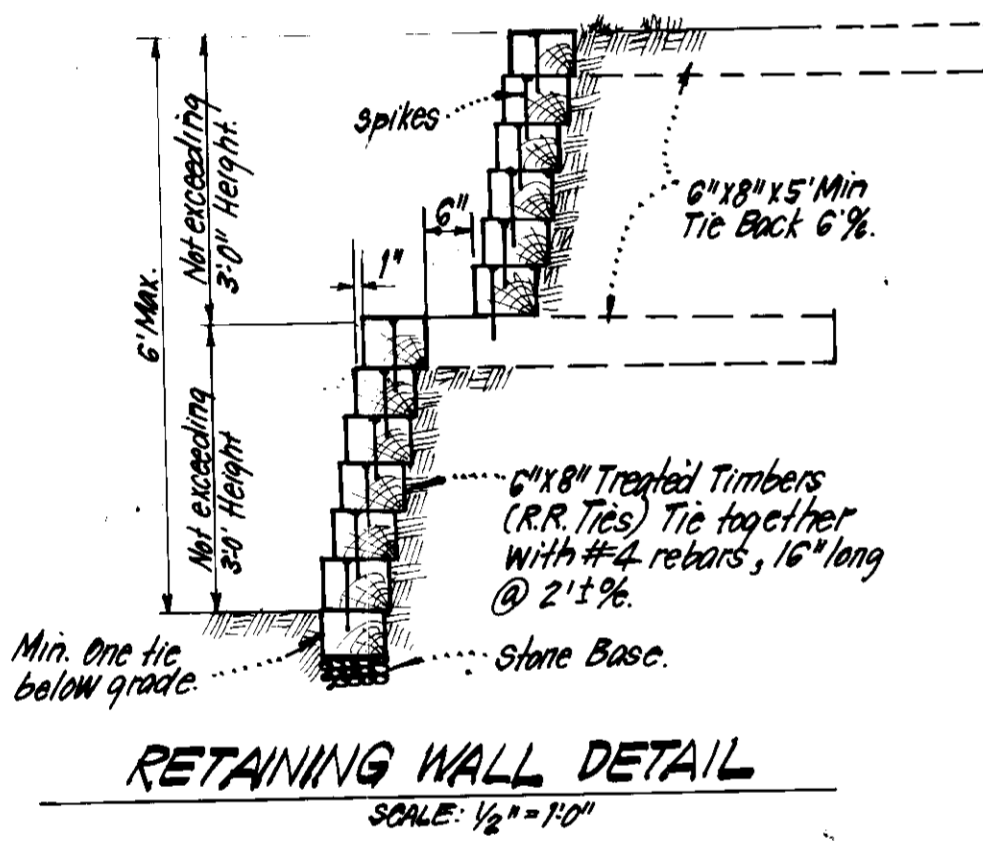
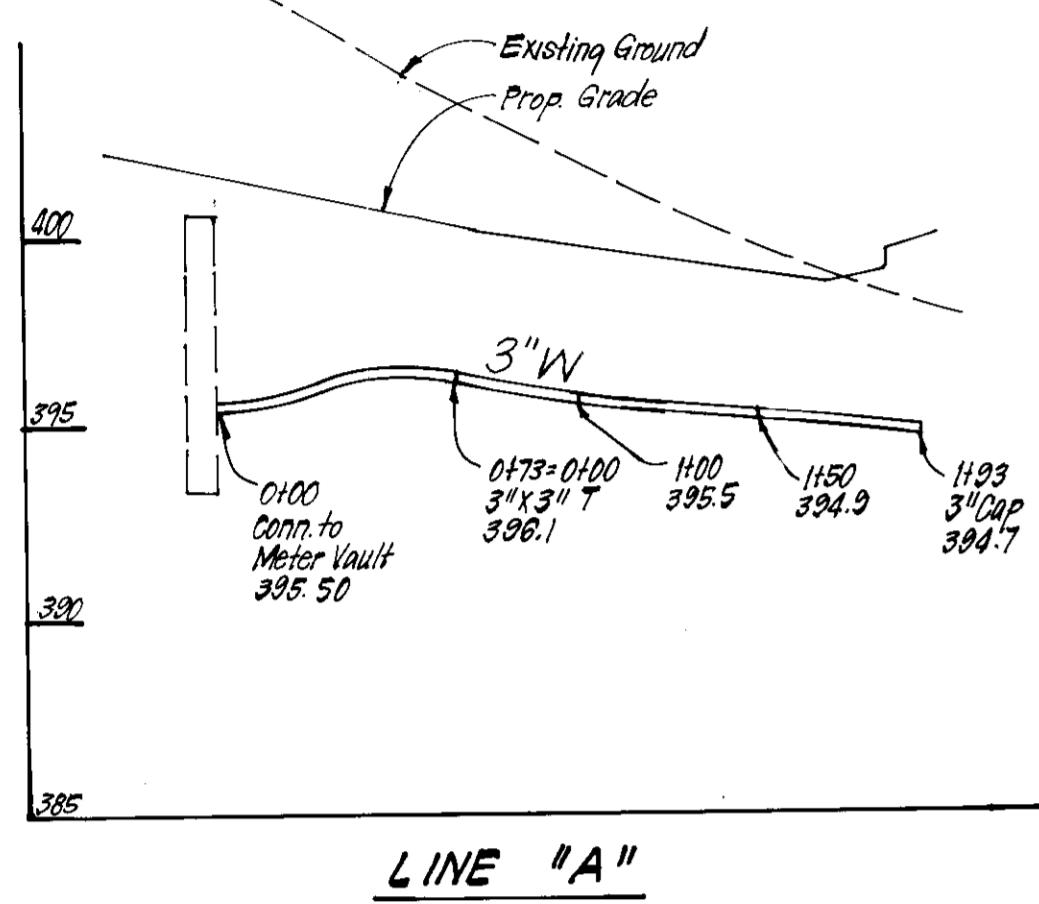
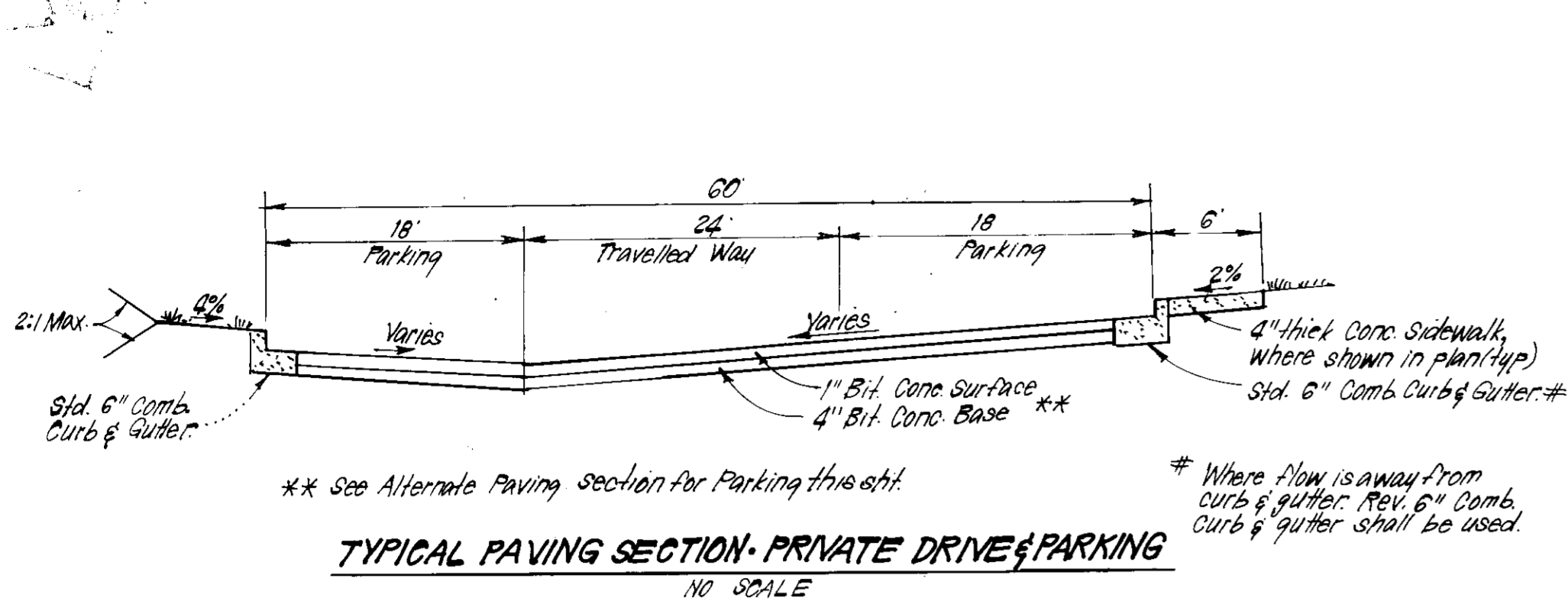
CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 1131B LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

SITE DEVELOPMENT PLAN
 PARCELS D-1, D-2 & D-3
COLUMBIA
 VILLAGE OF HICKORY RIDGE
 SECTION 5 AREA 2
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR THE HOWARD RESEARCH AND DEVELOPMENT CORP.
 10275 Little Patuxent Parkway
 Columbia, Maryland, 21044

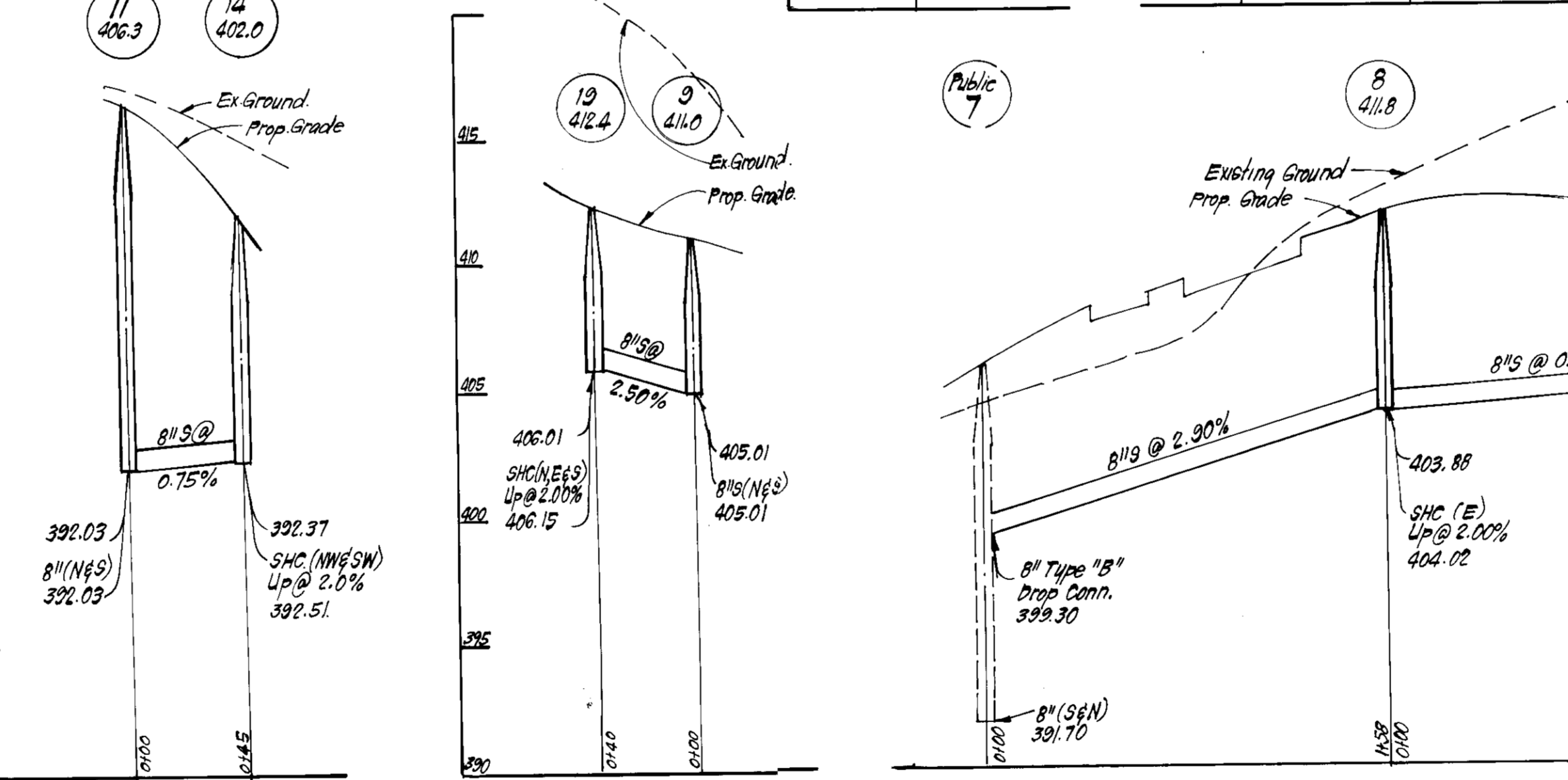
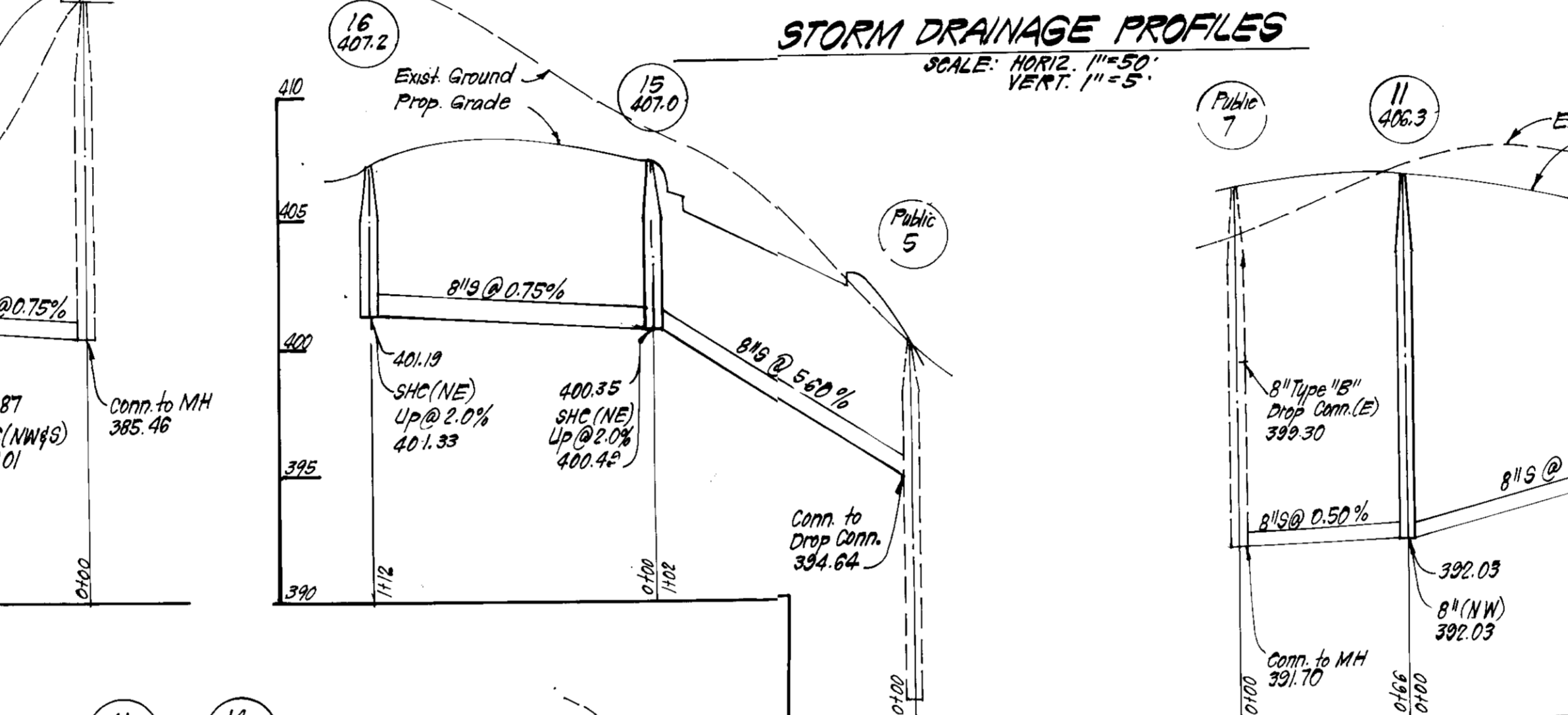
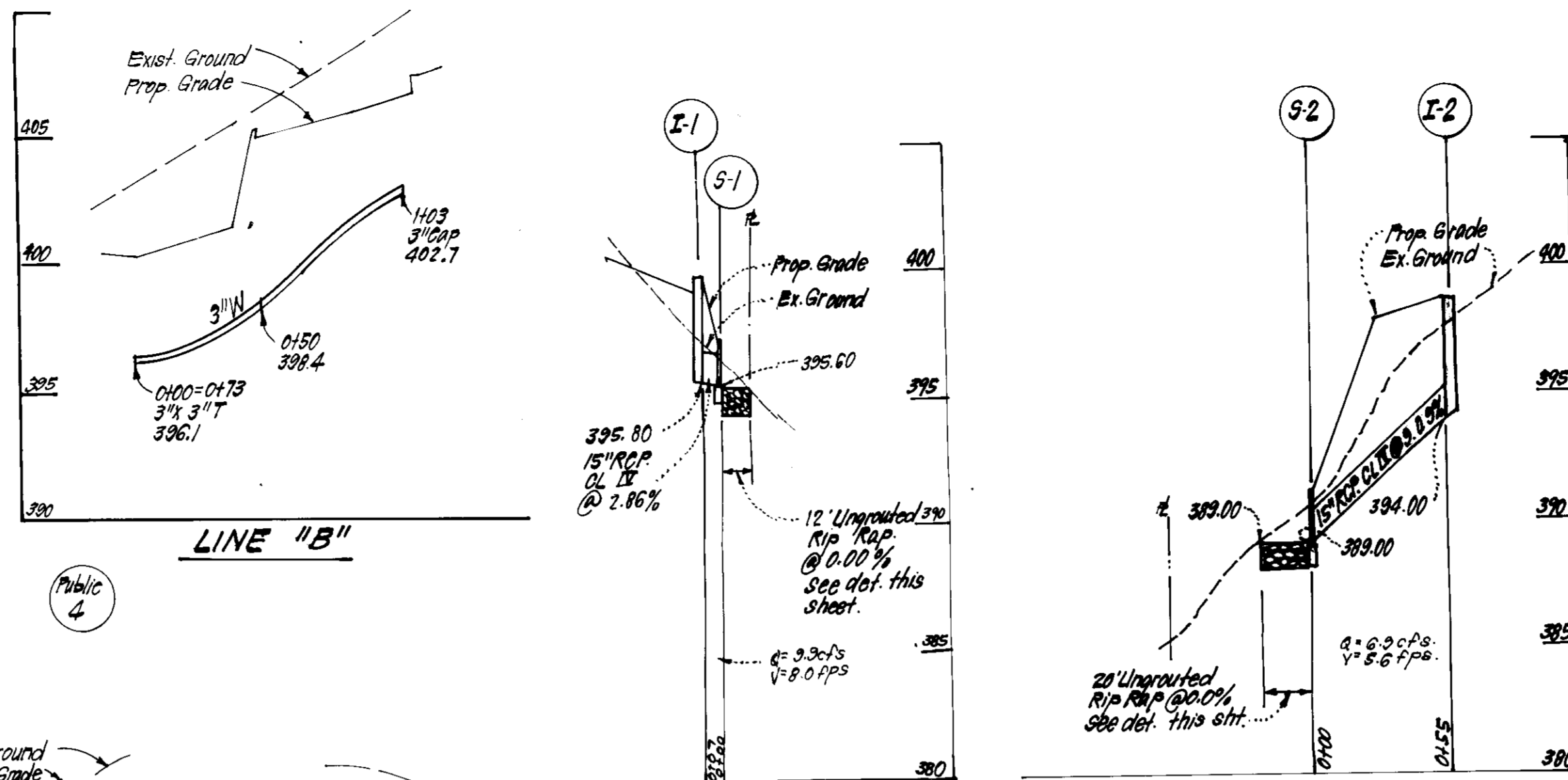
SCALE: 1" = 30'
 DRAWING: 10-5
 JOB NO.: 04-07
 FILE NO.: 04-072

DESIGNED: EP
 DRAWN: LAY
 CHECKED: VLS
 DATE: 1-15-85

SDP-85-79



- WATER & SEWER NOTES:**
- All sewer mains shall be PVC, CSPX, VCPX, or ACP. Class 2000 except where indicated.
 - All construction methods and materials for on-site private water & sewer systems shall follow the current edition of the Howard County Plumbing Code, supplemented by the Ho. County Std. Details and Specs. where necessary.
 - All water mains shall be D.I.
 - All water mains shall have a min. of 3.5' cover.
 - Block all fittings with concrete.
 - Sewer house connections shall be built to within 5' of buildings at a slope of 2.0%.
 - Areas where water reuse connections are to be built shall be at final grade and connections shall be laid with a minimum of 3.5' of cover. All WHC's are 1/2".



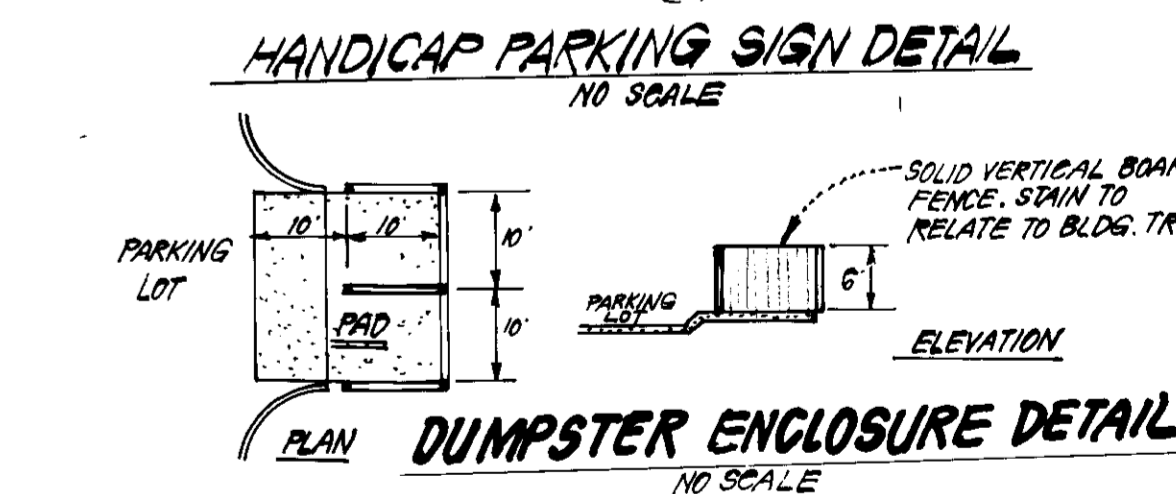
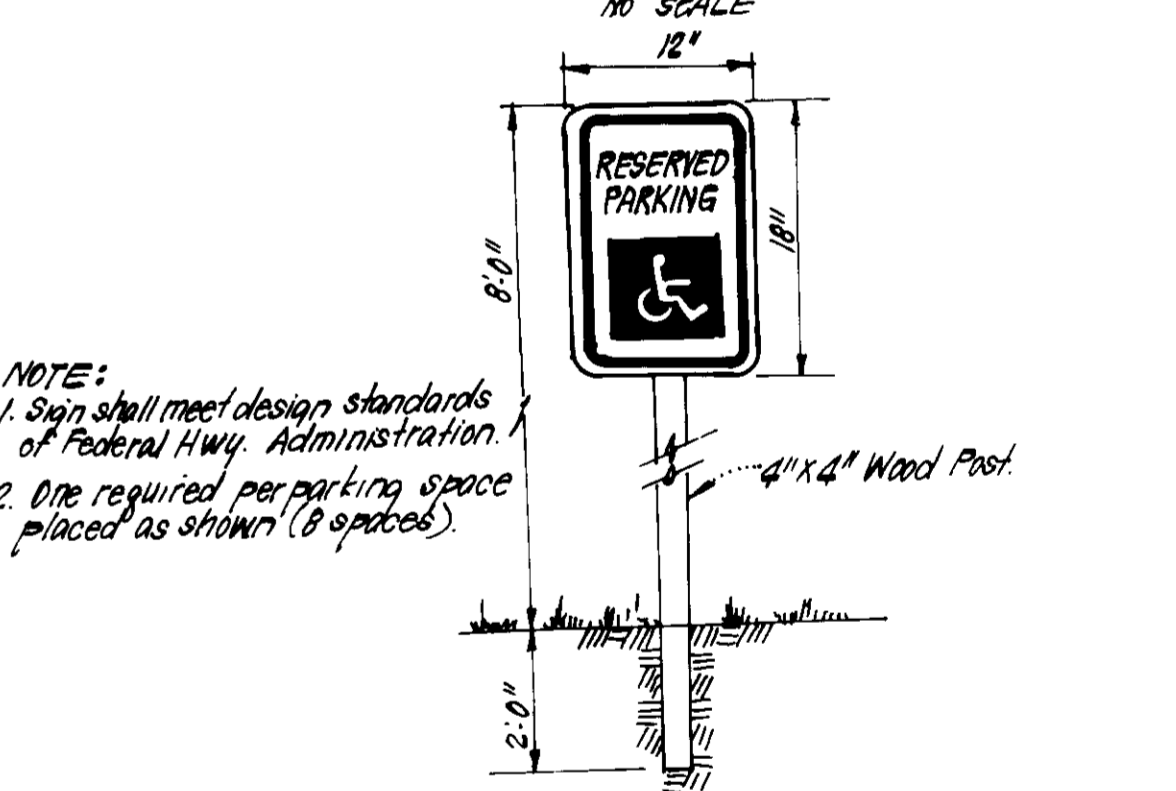
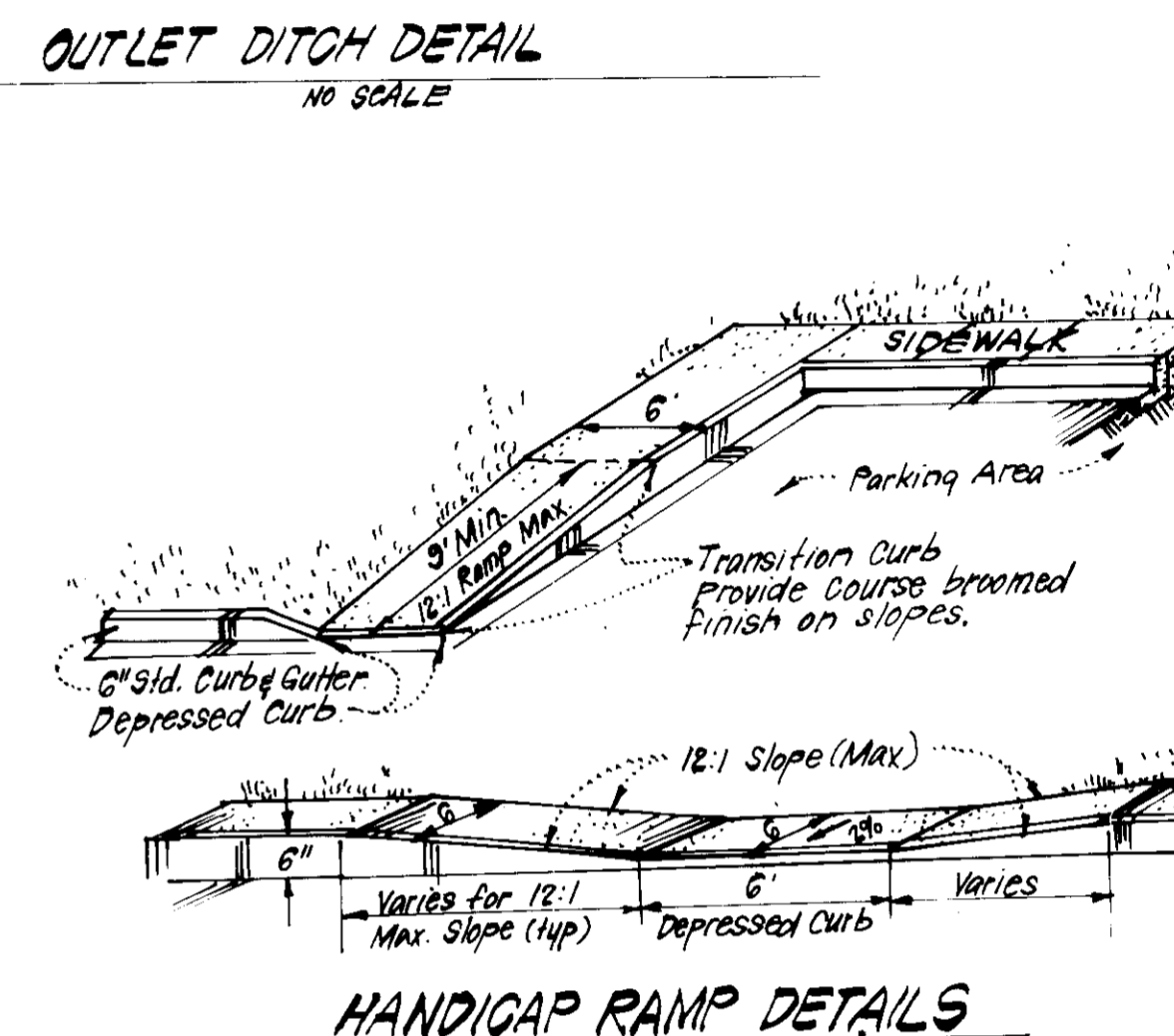
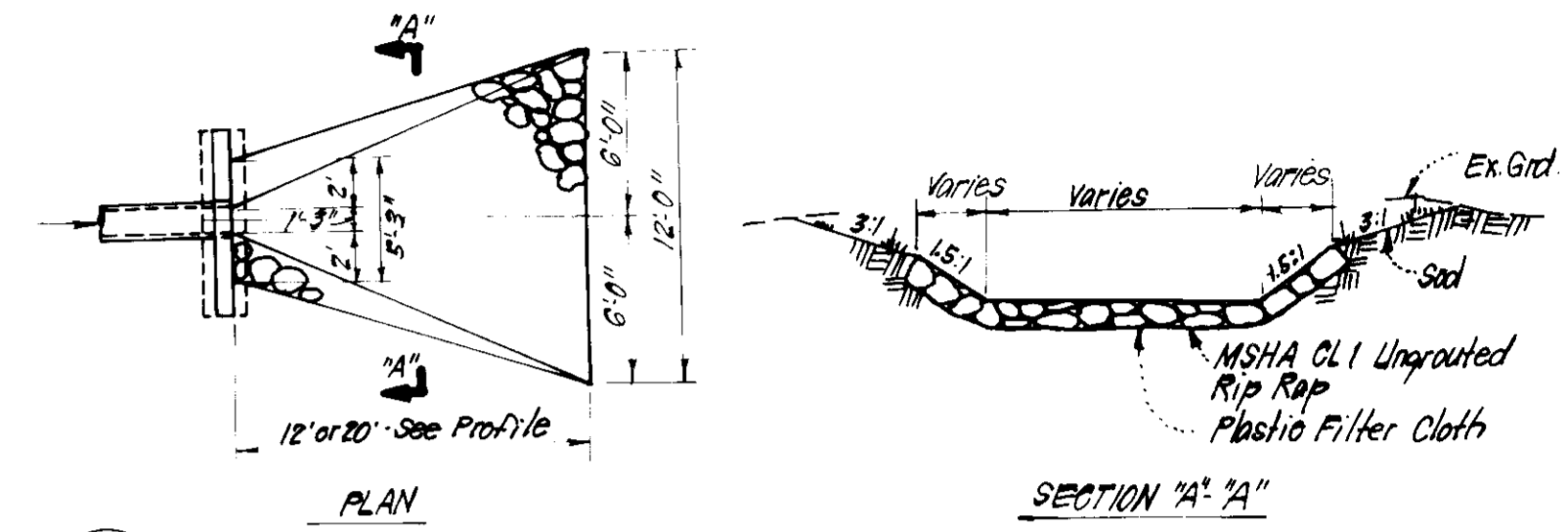
STRUCTURE SCHEDULE

No.	TYPE	INV. IN	INV. OUT	TOP ELEVATION		REMARKS	LOCATION
				UPPER	LOWER		
I-1	A-10 Inlet	-	395.80	400.00	399.50	No. 20 Std. SD 4.02 15" dia	See Plan
S-1	Type 10" Endwall	395.66	-	-	-	SD 5.21	15" dia
I-2	A-10 Inlet	-	394.00	398.98	399.78	SD 4.02 15" dia	"
S-2	Type 10" Endwall	389.00	-	-	-	SD 5.21	15" dia

4 All Inverts to be fully developed.

PIPE SCHEDULE

SIZE	TYPE	LENGTH
15"	RCP CL IV	62 LF



Bituminous Conc Surface	1"
Bituminous Conc Base	2"
Prime	
4" Crusher Run Base (Placed in 2 Courses)	4" or 5"
or	
5" Dense Graded Stabilized Aggregate Base Course	

ALTERNATE PAVING SECTION FOR PRIVATE DRIVE & PARKING
NO SCALE

Reviewed for **Howard Co. SD** and meets Technical Requirements
Signature: **Robert H. Ziemer**
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Signature of Developer/Builder: **Joseph H. Necker**
Date: **10-15-84**

DEVELOPER'S/BUILDER'S CERTIFICATE
I hereby certify that all development and construction will be done according to the plan shown and plan for erosion and sediment control and that all required work involved in the construction project will have a Certificate of Compliance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

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: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
DATE: **3-29-85**

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: **4-16-85**

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: **3-27-85**

APPROVED
DATE: **1-9-85**

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

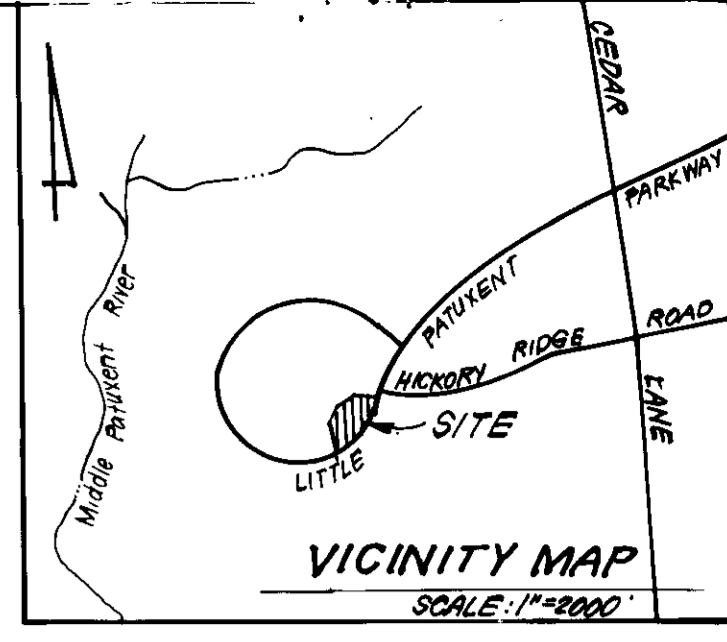
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DRAWN	KIW		DRAWING	2 OF 5
CHECKED	EP		JOB NO.	84-072
DATE	1-15-85		FILE NO.	84-072-X
				SDP-85-79

FOR: THE HOWARD RESEARCH & DEVELOPMENT CORP.
10275 LITTLE PATRICK ROAD
COLUMBIA, MARYLAND 21044

No.	REVISION	DATE
1	Moved storm drain system from I-1 to S-1 as per Ho. Co. Comments.	7-22-85
2	Revised Handicap Parking Spaces	12-4-85

Note: Delay Construction of Bldg #9 until Contributing Drainage Area to Trap #1 is stabilized.

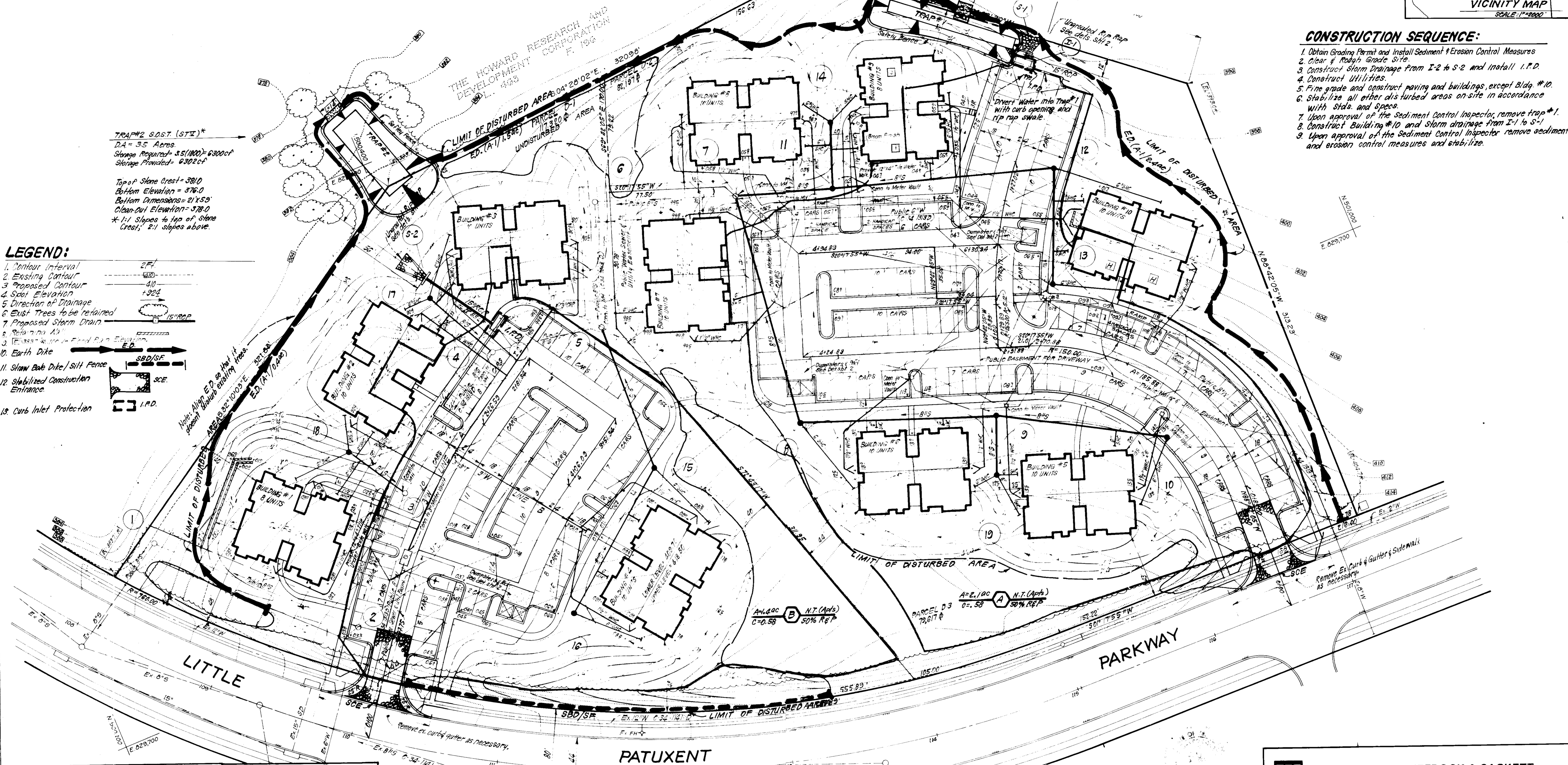
TRAP #1 S.O.S.T. (STV) *
 DA = 2.5 Acres
 Storage Required = 2.5(100) = 2500cf
 Storage Provided = 4512cf
 Top of Stone Crest = 398.0
 Bottom Elevation = 393.0
 Bottom Dimensions = 92' x 8'
 Clean Out Elev. = 395.0
 * 1:1 Slopes to Top of Stone Crest's 2:1 slopes above.



- CONSTRUCTION SEQUENCE:**
1. Obtain Grading Permit and Install Sediment & Erosion Control Measures
 2. Clear & Rough Grade Site
 3. Construct Storm Drainage from I-2 to S-2 and install I.P.D.
 4. Construct Utilities
 5. Fine grade and construct paving and buildings, except Bldg #10.
 6. Stabilize all other disturbed areas on-site in accordance with Stds. and Specs.
 7. Upon approval of the Sediment Control Inspector, remove trap #1.
 8. Construct Building #10 and Storm drainage from I-1 to S-1
 9. Upon approval of the Sediment Control Inspector remove sediment and erosion control measures and stabilize.

TRAP #2 S.O.S.T. (STV) *
 DA = 3.5 Acres
 Storage Required = 3.5(100) = 3500cf
 Storage Provided = 6302cf
 Top of Stone Crest = 381.0
 Bottom Elevation = 376.0
 Bottom Dimensions = 21' x 5'
 Clean Out Elevation = 378.0
 * 1:1 Slopes to Top of Stone Crest; 2:1 slopes above.

- LEGEND:**
1. Contour Interval 2'±
 2. Existing Contour 410
 3. Proposed Contour 410
 4. Spot Elevation +924
 5. Direction of Drainage
 6. Exist. Trees to be retained
 7. Proposed Storm Drain
 8. Retaining Wall
 9. Easement for Front Right-of-Way
 10. Earth Dike
 11. Slant Bolt Dike / Silt Fence
 12. Stabilized Construction Entrance
 13. Curb Inlet Protection



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 3-23-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: *[Signature]* DATE: 4-2-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 3-27-85

1-9-85
[Signature]

Reviews by HOWARD
 S.O.B.
[Signature]
 Date: 1-14-85
 Approved: *[Signature]* Date: 3-27-85

BUILDER'S CERTIFICATE
 I hereby certify that all construction will be done according to the approved plans and specifications and that all responsible parties in the construction project will have a Certificate of Attendance at a School of Natural Resources Approval Training Program for the Control of Sediment and Erosion before beginning the project. I also certify periodic on-site inspection by the Howard Soil Conservation District or their authorized agents to the extent required by the plan.

[Signature] 1-14-85 Date
 Joseph H. Hector, Jr.

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 and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

[Signature] 1-31-84 Date
 G. Nelson Clark

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

DESIGNED: EP, DAB
 DRAWN: KIM, LAI
 CHECKED: VLS
 DATE: 1-15-84

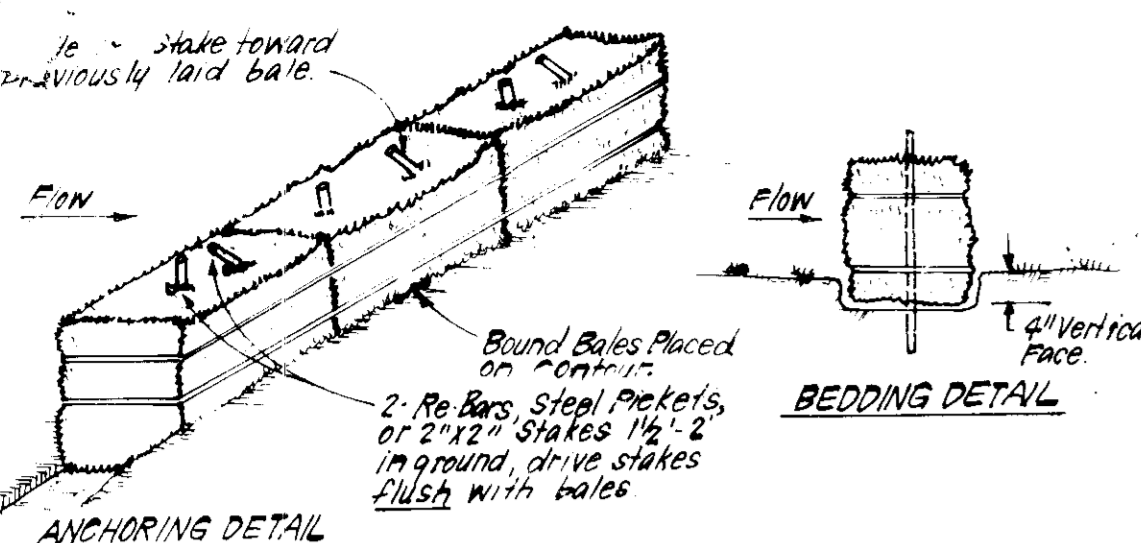
SEDIMENT & EROSION CONTROL PLAN AND DRAINAGE AREA MAP
 PARCELS D-1, D-2 & D-3
COLUMBIA
 VILLAGE OF HICKORY RIDGE
 SECTION 5 AREA 2
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: THE HOWARD RESEARCH & DEVELOPMENT CORP.
 10275 Little Patuxent Parkway
 Columbia, Maryland 21044

SCALE: 1"=30'
 DRAWING: 3 OF 5
 JOB NO.: 04-072
 FILE NO.: 04-072-S

SDP-85-79.

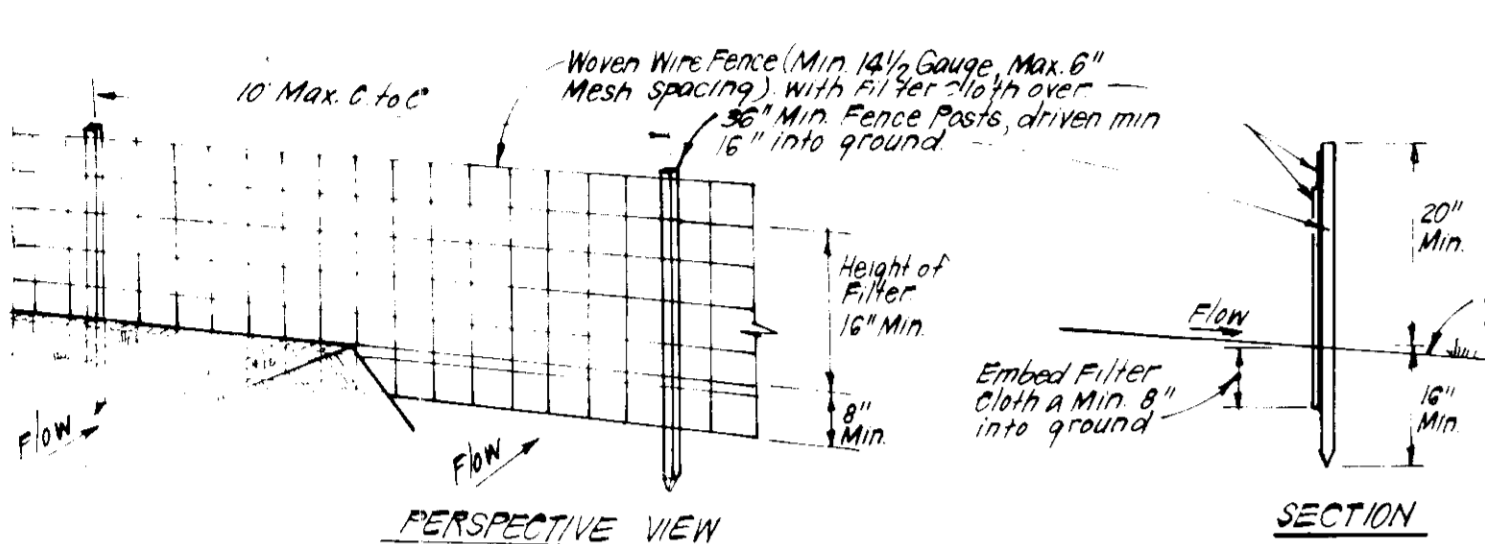
GENERAL NOTES

- Grading Permits shall be obtained prior to installation of sediment control.
- All Sediment Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of existing surface of site.
- 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 Specs for Soil Erosion and Sediment Control in Developing Areas", and shall be adjusted to meet actual field conditions.
- 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 of his representative on the site, on a continuing day to day basis.
- It will be the developers 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 bottom area prior to the import of any borrow or export of waste to or from this site.
- See Pages 51.01 - 51.08 of the Maryland State & Specs for Soil Erosion and Sediment Control for Permanent Seeding and Pages 50.01 - 50.05 for Temporary Seeding.
- As per C.D.M.A.R. C.R.S. 01.06 - "Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within (a) Seven calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes greater than 3:1 horizontal to one vertical (3:1) and (b) fourteen days as to all other disturbed or graded areas on the project site."
- All Pipes to be blocked at the end of each day (See detail below).
- The total amount of Straw Bale Dikes / Silt Fence shown = 290 L.F.
- SITE ANALYSIS:**
 - A Total Area: 6.41 Acres
 - B Area to be Reroled: 0.89 Acres
 - C Area to be Paved: 1.53 Acres
 - D Area to be Seeded: 2.79 Acres
 - E Area Undisturbed: 1.20 Acres
- All sediment traps shown shall be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chap. 16, of The Howard Co. Design Manual for storm Drainage.



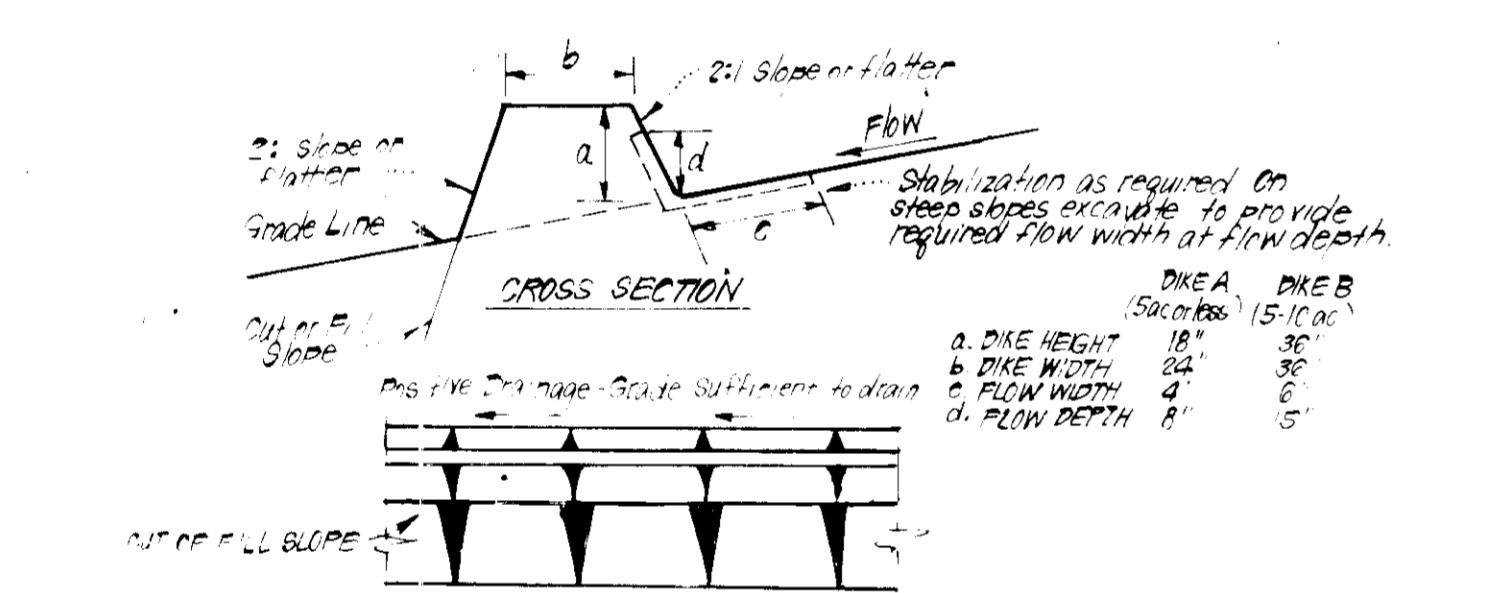
- CONSTRUCTION SPECIFICATIONS:**
- Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
 - Each bale shall be embedded in the soil a min of 4" and placed so the bindings are horizontal.
 - Bales shall be securely anchored in place by either 2 stakes or re-bars driven thru the bale. The 1st stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
 - Inspection shall be frequent and repair/replacement shall be made promptly as needed.
 - Stakes shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

STRAW BALE DIKE DETAIL (SBD)
NO SCALE



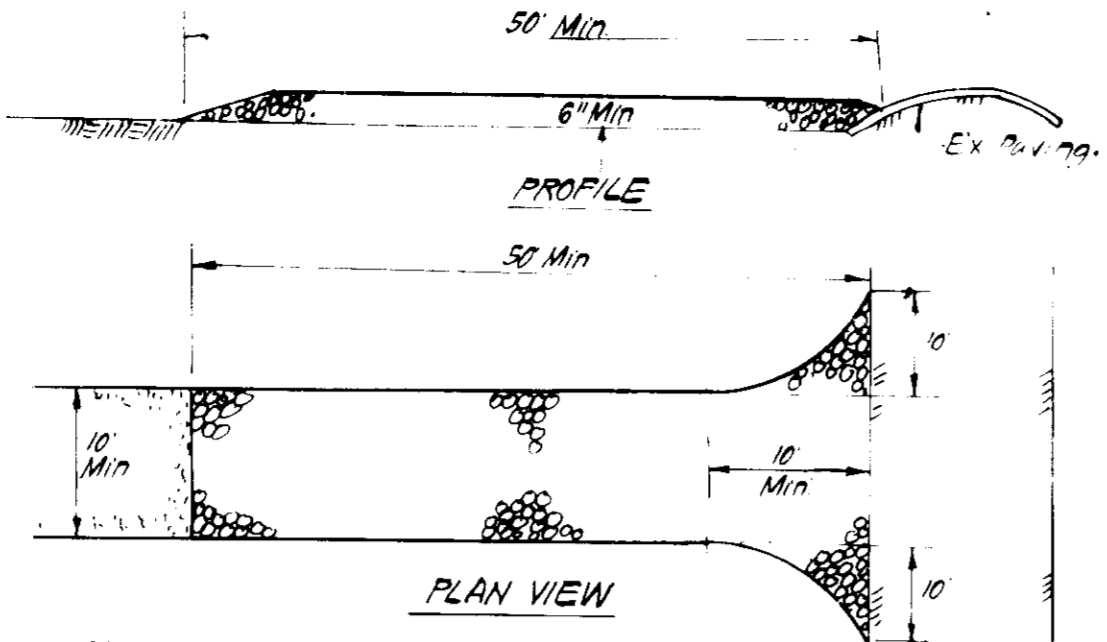
- CONSTRUCTION SPECIFICATIONS:**
- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 - Filter Cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
 - When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and folded.
 - Maintenance shall be performed as needed and material removed when "bulges" develop in silt fence.
- POSTS:** Steel, either T or L Type or 2" Hardwood
FENCE: Woven Wire, 1 1/2 Gauge
MAX. MESH OPENING: 6"
FILTER CLOTH: Filter, Min. 100% Stabilized, T140N or Approx. equal
PREFABRICATED UNIT: Georgia Envirofence or approx. equal

SILT FENCE DETAIL (S)
NO SCALE



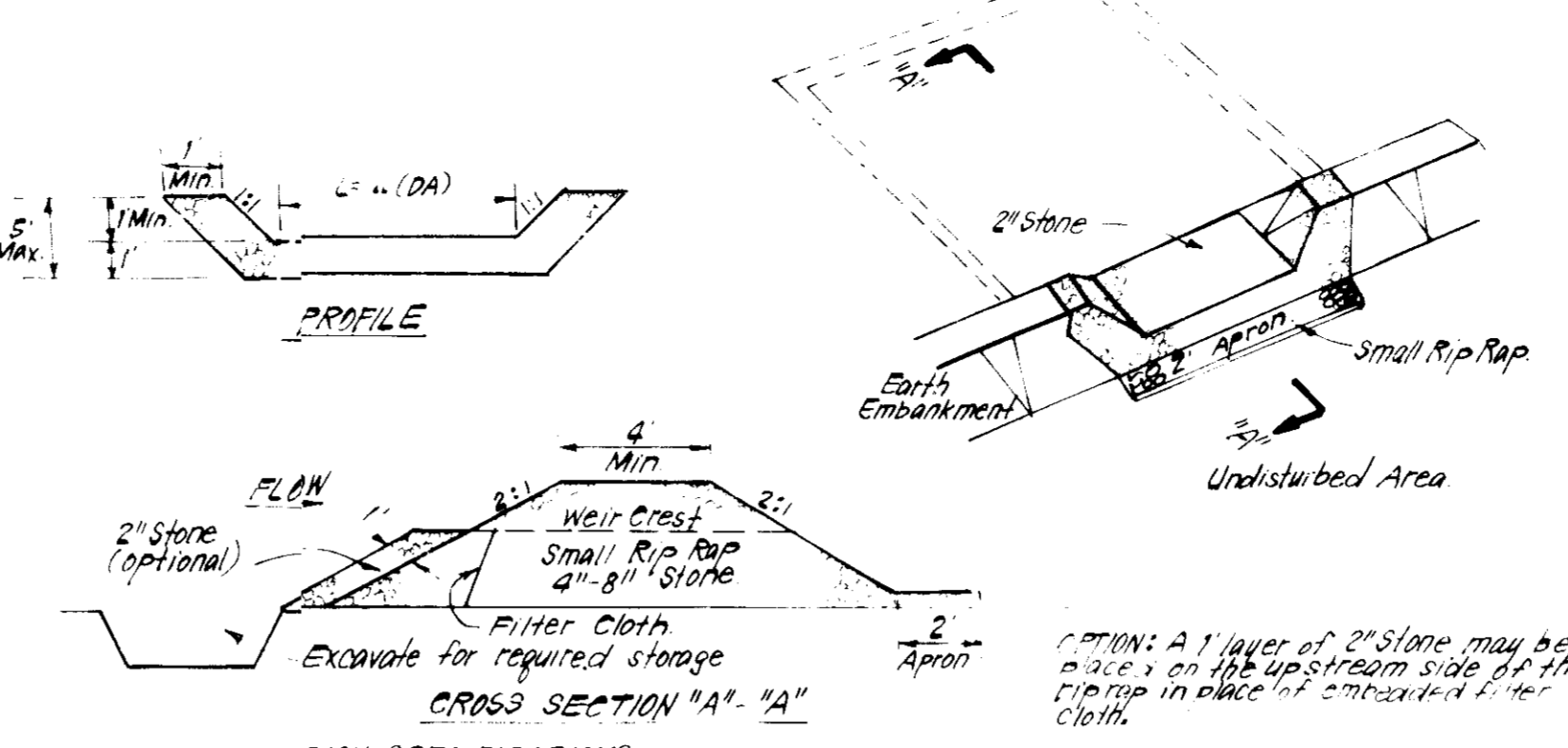
- CONSTRUCTION SPECIFICATIONS:**
- Dikes shall be compacted by earth moving equipment.
 - Dikes shall have positive drainage to an outlet.
 - Top width may be wider and side slopes may be flatter if desired, to facilitate crossing by construction traffic.
 - Field location should be adjusted as needed to utilize a stabilized safe outlet.
 - Earth dikes shall have an outlet and functions with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike channel or the drainage area above the dike are not adequately stabilized.
 - Stabilization shall be: (A) in accordance with standard specifications for seed and straw mulch or straw mulch in seeding season, (B) flow channel as per chart below.
- | TYPICAL FLOW CHANNEL STABILIZATION | DIKE A | DIKE B |
|------------------------------------|---------------------------------------|------------------------------------|
| 1 | 0.5 - 3.0% Seed & Straw Mulch | Seed or Straw Mulch |
| 2 | 3.1 - 6.0% Seed & Straw Mulch | Seed, White or Excelsior, 2" Stone |
| 3 | 6.1 - 10.0% Seed w/d 1" or 2" Stone | Lined Rip Rap or 2" Stone |
| 4 | 10.1 - 20.0% Lined Rip Rap 4-8" Stone | Engineering Design |
1. Rip Rap to be 2" Stone, or recycled concrete equivalent, in a layer at least 3" thick and be pressed into soil with construction equipment.
 2. Rip Rap to be 4-8" in a layer at least 8" thick, pressed into soil.
 3. Absorbed equivalents can be substituted for any of the above materials.
 7. Periodic inspection and Required Maintenance must be provided after each rain.

EARTH DIKE DETAIL (E.D.)
NO SCALE



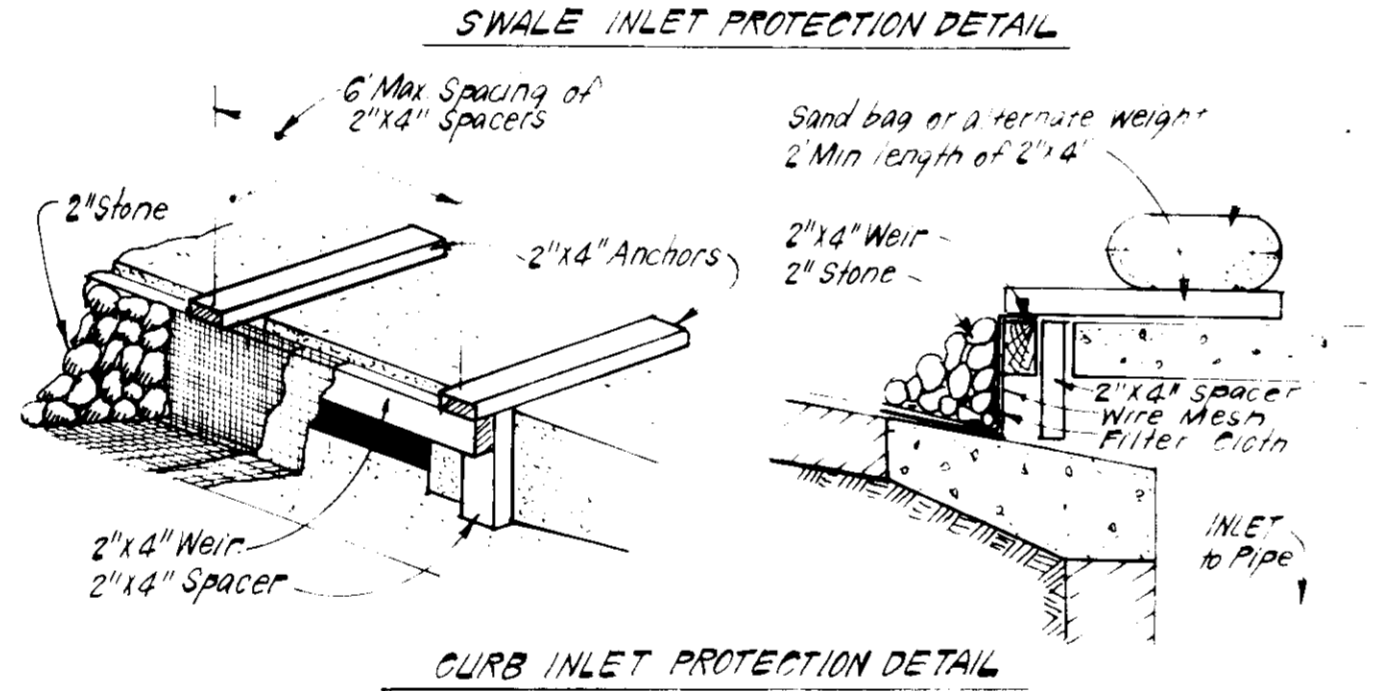
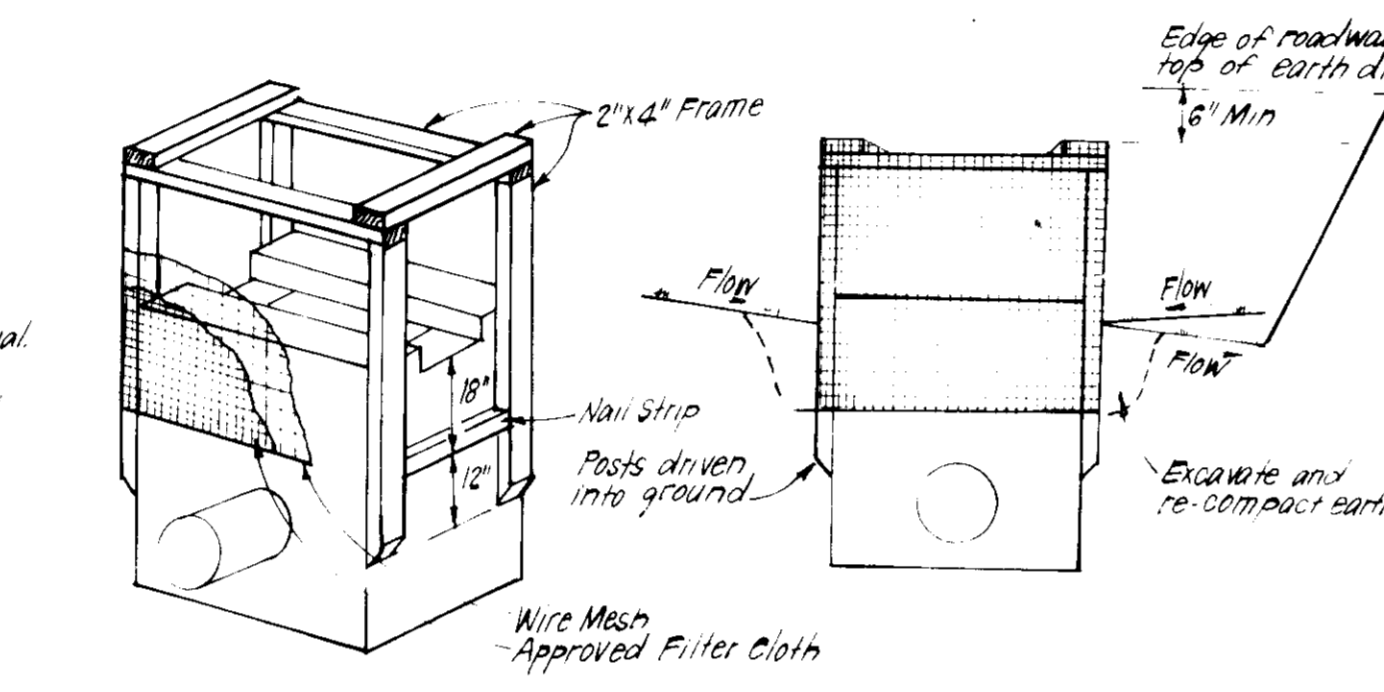
- CONSTRUCTION SPECIFICATIONS:**
- Stone Size - Use 2" Stone, or reclaimed or recycled concrete equivalent.
 - Length - As required, but not less than 50 feet (except on a single residence lot where a 130' min length would apply).
 - Thickness - Not less than 6".
 - Width - Top, not min, but not less than the full width at point where ingress occurs.
 - Filter Cloth - Will be placed over the entire area prior to laying of stone. Filter will not be required on a single family residence lot.
 - Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance.
 - Maintenance - The entrance shall be maintained in a condition which will prevent flooding or flowing of sediment into public streets or ways. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleaning of any measures used to trap sediment. All sediment shall be dropped, washed or tracked onto public rights of way must be removed immediately.
 - Washing - Washes shall be cleaned to remove sediment prior to entrance onto public rights of way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 - Periodic inspection and needed maintenance shall be provided after each rain.

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



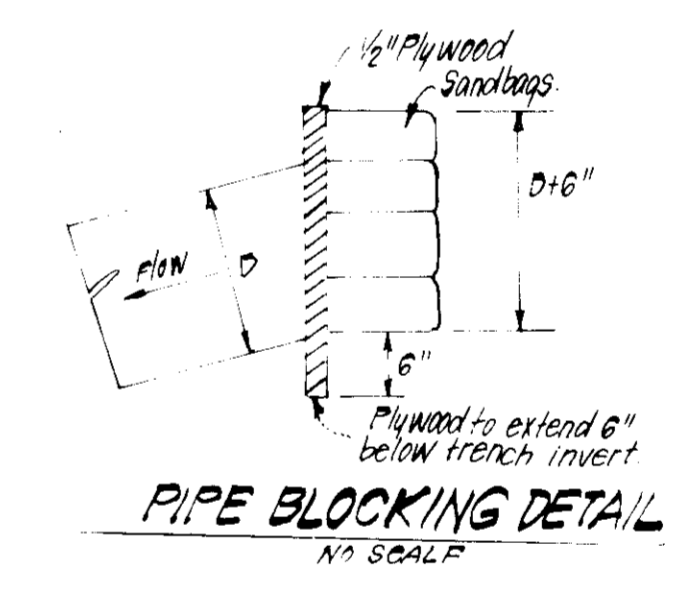
- CONSTRUCTION SPECIFICATIONS:**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The soil area shall be cleared.
 - The fill material for the embankment shall be free of roots and other woody vegetation as well as over sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
 - All cut and fill slopes shall be 2:1 or flatter.
 - The stone used in the outlet shall be small rip rap 4"-8" along with 1" thickness of 2" aggregate placed on the up-slope side on the small rip rap or embedded filter cloth in the rip rap.
 - Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP (S.O.ST.) S.V.
NO SCALE



- CONSTRUCTION SPECIFICATIONS:**
- WATERWAYS: A Wooden frame is to be constructed of 2x4 construction grade lumber.
 B. Wire mesh must be of sufficient strength to support flow tubes, and stone for curb inlets, with water fully impounded against it.
 C. Filter cloth must be of a type approved for this purpose resistant to sunlight with a minimum of 100% stabilization and 100% efficiency of water and sediment retention.
 D. Stone is to be 2" size or larger than since fines would clog the inlet.
 - PROCEDURE: SWALE DITCHLINE OR YARD INLET PROTECTION
 - Excavate completely around inlet a depth of 18" below notch level.
 - Drive 2x4 post 1" into ground at four corners of inlet. Place nail strips between posts around inlet. Assemble top portion of 2x4 frame using overlap joint shown. Top of frame must be 8" below curb or roadway adjacent to inlet.
 - Stretch wire mesh tightly around frame and assemble to posts. Posts must meet at post.
 - Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch level. Fasten securely to frame. Ends must meet at post, be overlapped and nailed, then fastened down.
 - Back fill around inlet in compacted 3" layers. Top layer of earth is even with notch elevation on ends and top elevation on sides.
 - If the inlet is not in a low point, construct a compacted earth dike in the ditch line below it. The top of this earth dike shall be at least 6" higher than the top of frame (weir).
 - The structure must be inspected frequently and filter fabric replaced when clogged.
 - PROCEDURE: CURB INLET PROTECTION
 - Attach a continuous piece of wire mesh 30" min width by throat length plus 4" to the 2x4 weir measuring throat length plus 2" as shown on side drawing.
 - Place a piece of approved filter cloth 14" x 25" or the same dimensions as the wire mesh over the wire mesh and securely attach to the 2x4 weir.
 - Securely nail the 2x4 weir to 3" (or less) spacers to be placed between the weir and inlet face (max 6" apart).
 - Place the assembly against the inlet throat and nail min 2" ends of 2x4 to the top of the weir at spacer locations. These 2x4 anchors shall extend across the inlet face and be held in place by sandbags or alternate weight.
 - The assembly shall be placed so that the sandbags are 2" above curb ends or throat opening.
 - From the wire mesh and filter cloth to the concrete gutter and against the curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
 - This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
 - Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow to inlet.

INLET PROTECTION DETAIL (I.P.D.)
NO SCALE



PIPE BLOCKING DETAIL
NO SCALE

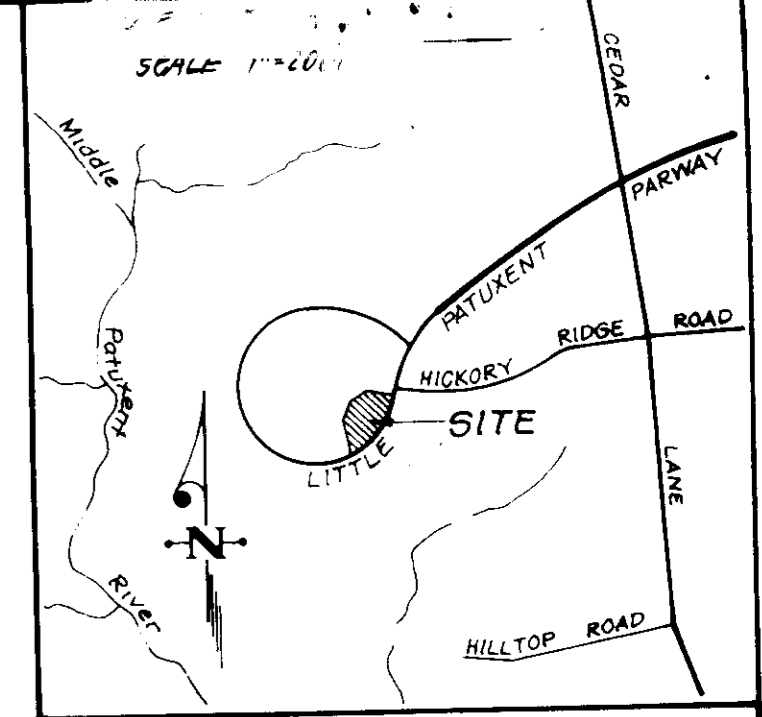
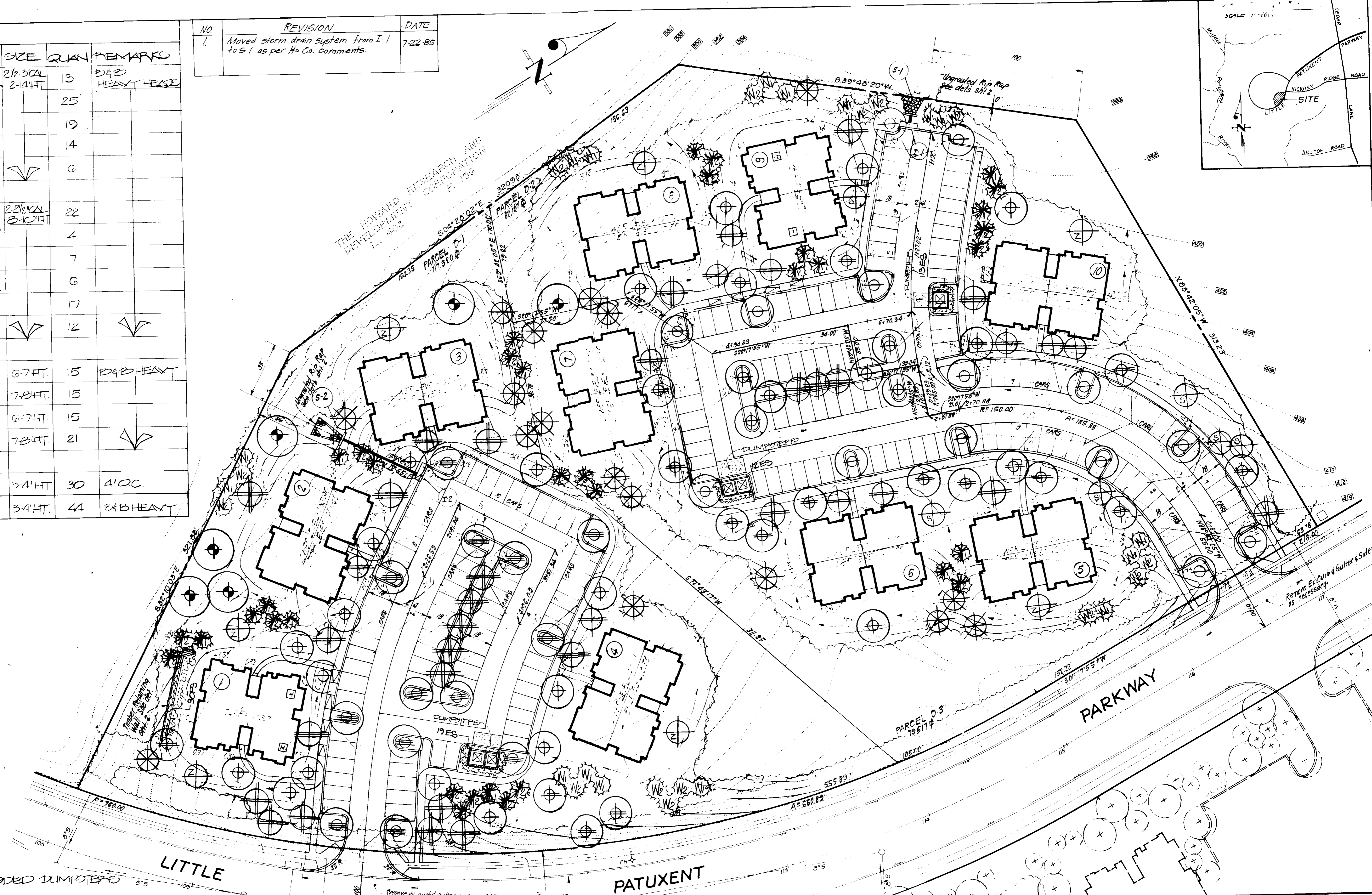
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 3-29-85
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DATE: 4-2-85
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 3-27-85

CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS
 11317 LOCKWOOD DRIVE SILVER SPRING MARYLAND 20904 (301) 593-3400

DESIGNED: SEDIMENT & EROSION CONTROL PLAN
 DRAWING: PARCEL D-1, D-2 & D-3
 SCALE: AS SHOWN
 DRAWING: COLUMBIA
 CHECKED: VILLAGE OF HICKORY RIDGE
 K.W. SECTION 3 AREA 2
 JOB NO: 84-072
 DATE: 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FILE NO: FOR THE HOWARD RESEARCH & DEVELOPMENT CORP.
 10275 LITTLE PATKENT PKWY.
 COLUMBIA, MD. 21044
 84-072 SE
 DATE: 1-16-84

SCHEDULE				
NO.	PLANT NAME	SIZE	QUAN.	REMARKS
1	DELTOIDA 3 VILL GREEN	2 1/2" DIA	13	D&B HEAVY
2	VILLAGE GREEN DELTOIDA	2-1/4" HT	13	HEAVY HEAD
3	ACER PLURIMUM SUNKIST		25	
4	SUNKIST MALE			
5	QUERCUS RUBRA		19	
6	NORTHERN RED OAK		14	
7	QUERCUS FULVA		14	
8	PIN OAK		6	
9	CALIX BAPTONICA		6	
10	WEeping WILLOW			
11	FRUNDS SEPP KWANZAN	2 1/2" DIA	22	
12	KWANZAN CHEMPT	2-1/4" HT	4	
13	PRIN D G THUNDERCLOUD		7	
14	PURPLELEAF FL. FLUM		6	
15	MALLO ZUMI		6	
16	ZUMI SPYGLASS		17	
17	MALLO SNOWDRIFT		12	
18	SNOWDRIFT SPYGLASS			
19	PETULA NEXA			
20	PINKY BIRCH			
21	CORNUS FLORIDA			
22	BLOOMING ROSEWOOD			
23	PINUS STROBUS	6-7 HT.	15	D&B HEAVY
24	EASTERN WHITE PINE	7-8 HT.	15	
25	PINUS STROBUS	6-7 HT.	15	
26	EASTERN WHITE PINE	7-8 HT.	21	
27	PINUS THUNBERGII	6-7 HT.		
28	JAPANESE BLACK PINE	7-8 HT.		
29	PINUS THUNBERGII	6-7 HT.	30	4' OC
30	JAPANESE BLACK PINE	7-8 HT.	44	D&B HEAVY

NO.	REVISION	DATE
1	Moved storm drain system from I-1 to S-1 as per Ho. Co. comments.	7-22-85



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

1-9-85

CLARK • FINEROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DR VE SILVER SPRING, MARYLAND 20904

LANDSCAPE PLANTING PLAN
 PARCELS D1, D2 & D3
 COLUMBIA

DESIGNED: JBC
 DRAWN: JBC
 CHECKED: JBC
 DATE: 10/84

SCALE: 1" = 30'
 DRAWING: 50FS
 JOB NO: 84-07
 FILE NO: 84-07

SDP-85-79c