

Q CURVE DATA
PC 1102.33 TO PT. 2150.00
R = 150.00
Δ = 33°50'33"
L = 147.67'
T = 76.06'
CHD = N33°51'13"E 145.53'

Q CURVE DATA
PC 418.00 TO PT. 4136.54
R = 150.00
Δ = 30°00'00"
L = 78.54'
T = 40.19'
CHD = N33°51'13"E 77.64'

Q CURVE DATA
PC 5185.29 TO PT. 7100.01
R = 200.00
Δ = 30°00'00"
L = 104.72'
T = 53.59'
CHD = N33°51'13"E 103.52'

PLANT SCHEDULE

KEY PLANT NAME	SIZE	QUAN.	REMARKS
(R) QUERCUS PALUSTRIS PIN OAK	2 1/2 Cal. MIN.	20	BE B HEAVY HEADS
(R) QUERCUS RUBRA NORTHERN RED OAK		4	
(A) ACER RUBRUM 'OCT GLORY' OCTOBER GLORY MAPLE		11	
(PS) PINUS STROBUS EASTERN WHITE PINE	6'-8" HT.	9	

Notes:
Contractor shall verify location of underground utilities prior to digging.
Final locations of trees may be adjusted slightly to accommodate field conditions.
Planting procedures shall comply with "Landscape Specifications for Baltimore - Washington Metropolitan Areas".
Substitutions to the above species may be permitted, provided that the planting is in accordance with the street tree & landscape requirements as specified in Section 16.13 of the Howard Co. Subdivision Regulations.

CURB & GUTTER LEGEND
7" Std. Curb & Gutter
7" Rev. Curb & Gutter
6" Std. Curb & Gutter
6" Rev. Curb & Gutter

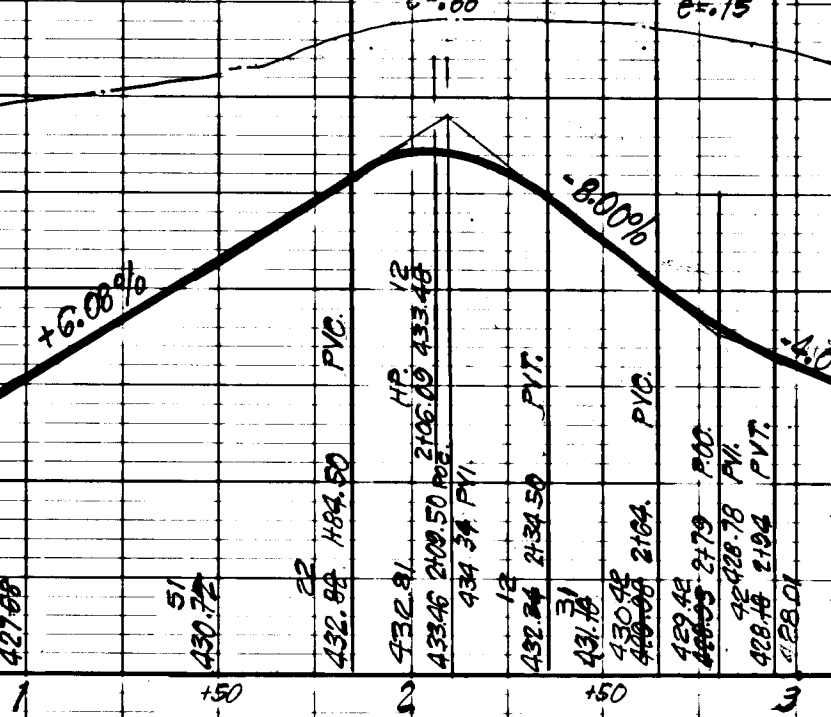
Reviewed for: SCA
Name: Howard Co. SCA
and meets Technical Requirements
Signature: [Signature]
U.S. Soil Conservation Service

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

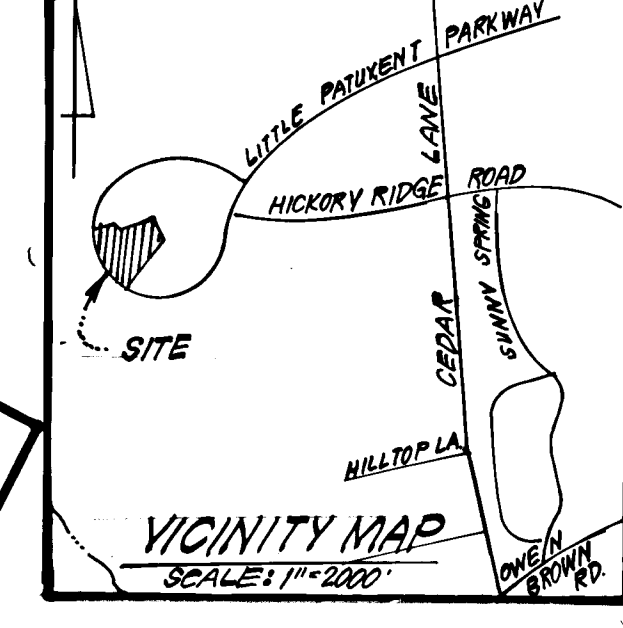
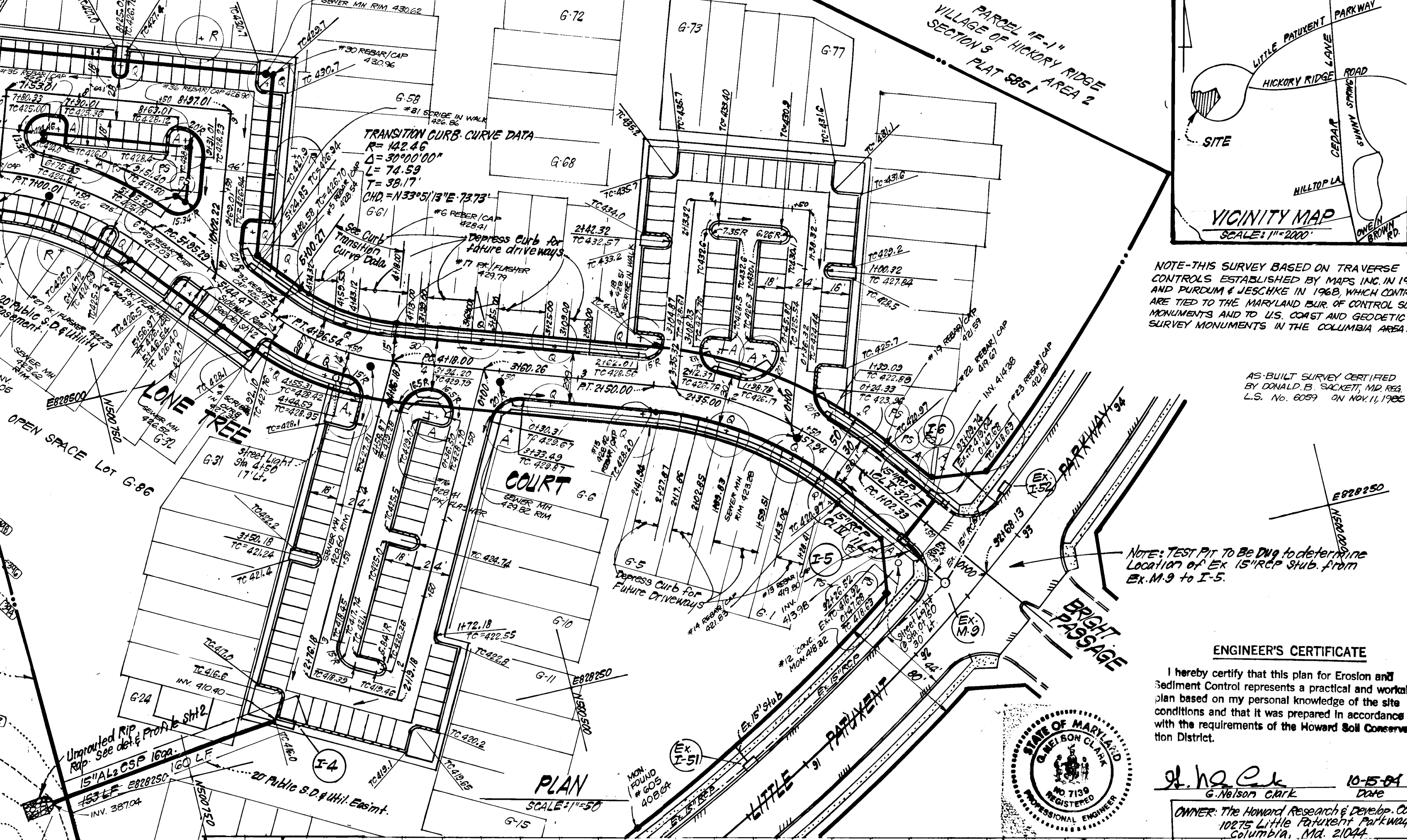
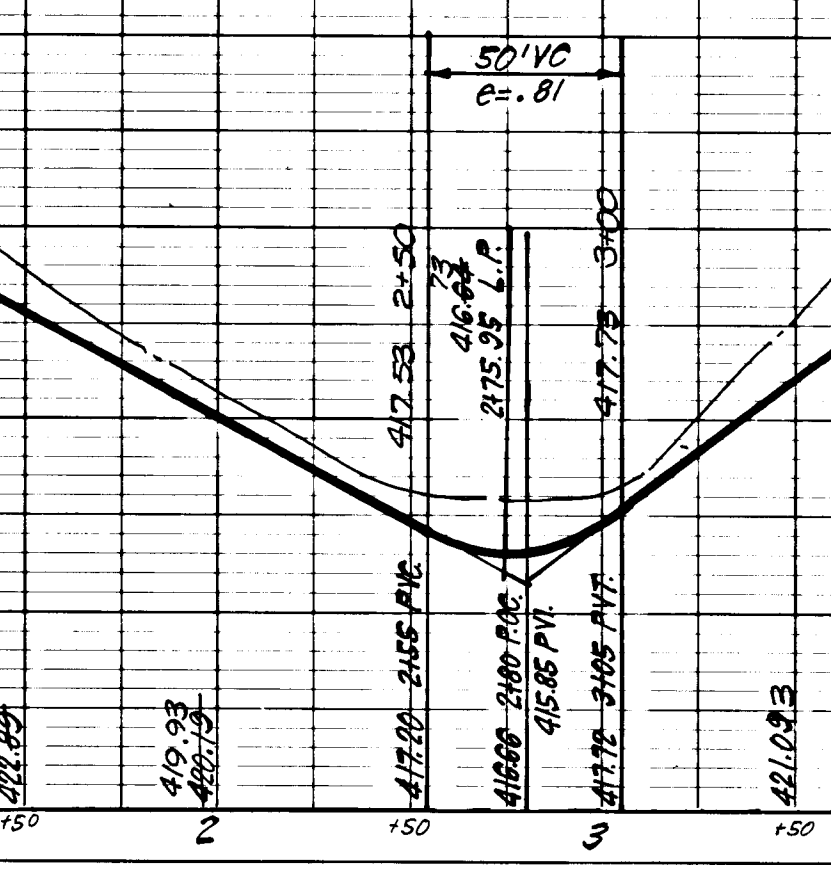
DEVELOPER'S/BUILDER'S CERTIFICATE
"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of 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 are deemed necessary."
Signature of Developer/Builder: B. James Penfield
Date: 11-28-84

Approved: [Signature]
Date: 11-28-84

PRIVATE COURT (EAST)



PRIVATE COURT (WEST)



NOTE - THIS SURVEY BASED ON TRAVERSE CONTROLS ESTABLISHED BY MATS INC. IN 1965 AND PURDUM & JESCHKE IN 1968 WHICH CONTROLS ARE TIED TO THE MARYLAND SUR. OF CONTROL SURVEY MONUMENTS AND TO U.S. COAST AND GEODETIC SURVEY MONUMENTS IN THE COLUMBIA AREA.

AS-BUILT SURVEY CERTIFIED BY DONALD B. SACKETT, MD REG. L.S. No. 6059 ON NOV. 11, 1986

NOTE: TEST PIT TO BE DUG TO DETERMINE LOCATION OF EX. 15" RCP STUB FROM EX. M. 9 TO I-5.

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.

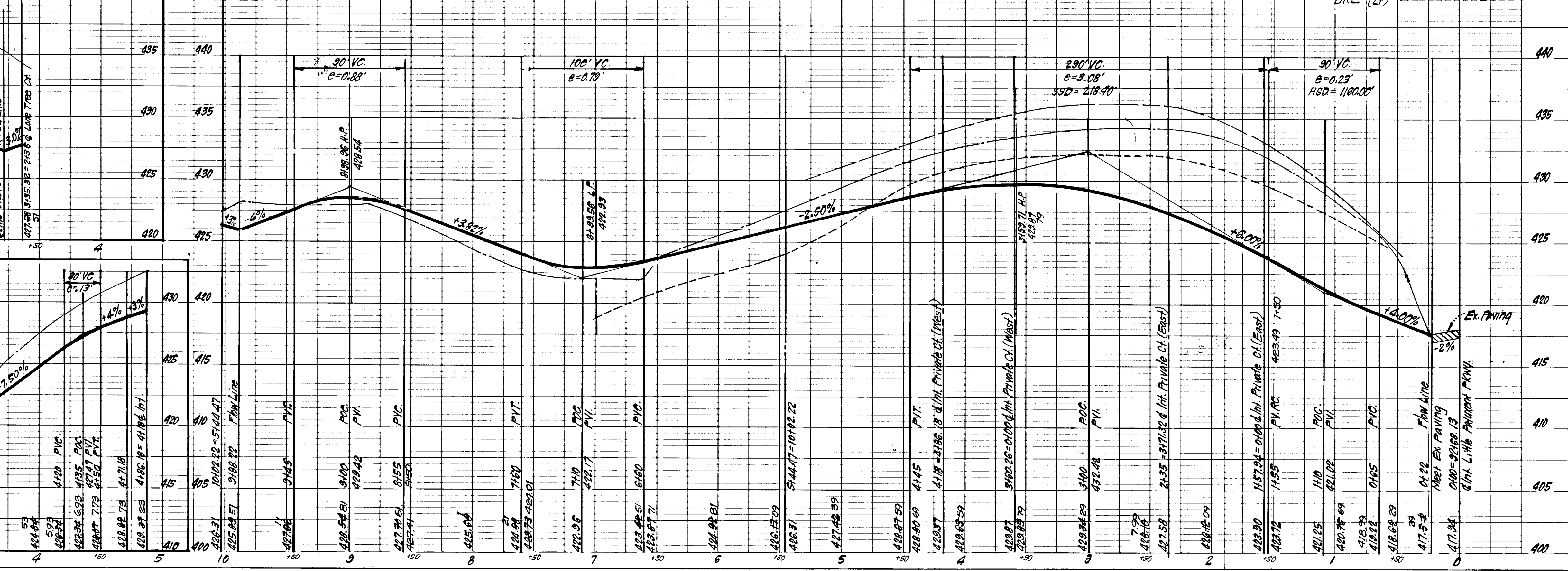
Signature: [Signature]
Date: 10-25-84
G. Nelson Clark
OWNER: The Howard Research & Develop. Corp.
10275 Little Patuxent Parkway
Columbia, Md. 21044

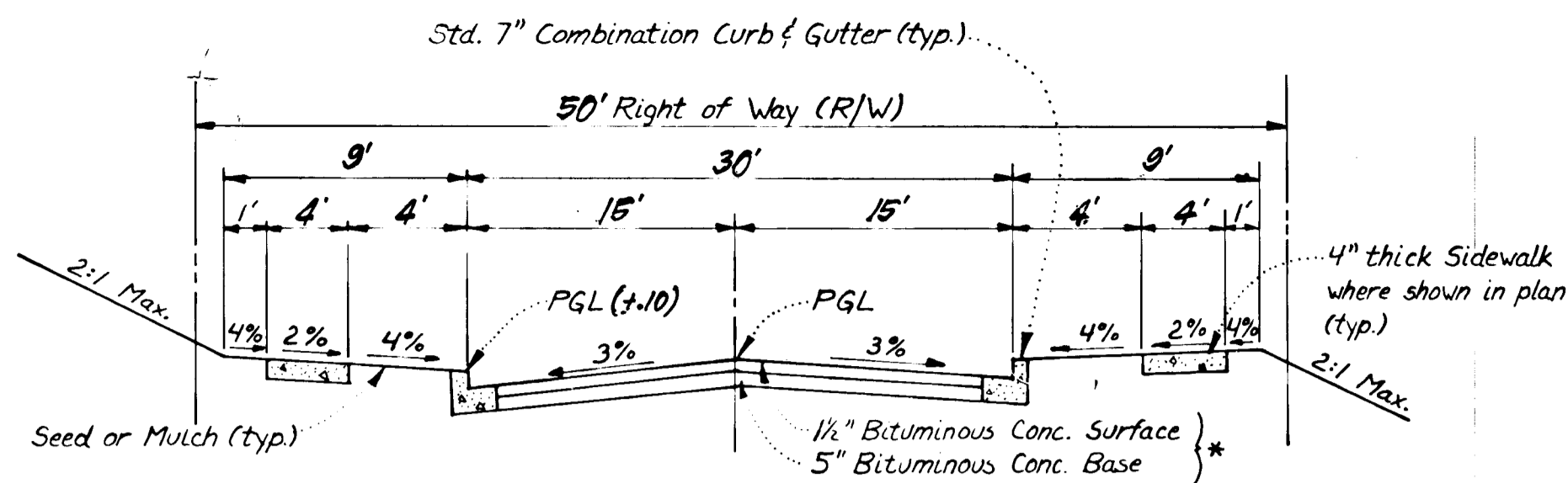
- GENERAL NOTES
- All storm drain and paving shall be constructed in accordance with the latest details and specifications of Howard County & Md. SHA.
 - Types of Storm Drain structures refer to the Standard Details of Howard County of Maryland State Highway Administration.
 - Trench Compaction for storm drains, within Road or Street rights of way limits shall be in accordance with Howard Co. Design Manual Vol. II (Class "C" Trench Bedding to be utilized unless shown otherwise).
 - Information concerning underground utilities was obtained from available records but the contractor must determine the exact location and elevation of the mains by digging test pits, by hand, at all utility crossings, well in advance of construction.
 - All utility companies shall be notified 24 hrs. in advance of construction.
 - All traffic control services, parking, and signing to be done in accordance with the "Manual of Uniform Traffic Control Devices," 1971 Edition.
 - Sag and Crest Vertical curves were designed in accordance with "A Policy on Geometric Design of Rural Highways," 1965, by AASHTO.
 - Provide Concrete Sidewalk ramps. Ho. Co. Std. Type A, R. 4.01 where shown in plan.
 - Design Speed: 30 mph; Zoning: NT, Single Family Attached.
 - Storm Water Management provided by Control Facility. See previously approved plans for Village of Hickory Ridge, Sect. 3, Area 1, P-83-120, and Village of Hickory Ridge, Section 3, Area 5, P-84-51.
 - Contractor or Developer shall contact the Construction Inspection Survey Division, 24 hrs. in advance of commencement of work at 192-1212.

APPROVED: DEPARTMENT OF PUBLIC WORKS
Signature: [Signature]
Date: 11-19-84
CHIEF, Bureau of Engineering
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Signature: [Signature]
Date: 11-9-84
CHIEF, Division of Land Development & Zoning Administration

DESIGNED VLS		ROAD CONSTRUCTION PLANS LONE TREE COURT	SCALE AS SHOWN
DRAWN KIN		COLUMBIA	DRAWING 10-4
CHECKED VLS		A RESUBDIVISION OF PARCEL G VILLAGE OF HICKORY RIDGE SECTION 3 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 84-020
DATE Aug. 28 84		FOR: COLUMBIA BUILDERS, INC. 3 Lakefront North Suite 200 Columbia, Md. 21044	FILE NO. 84-020-D

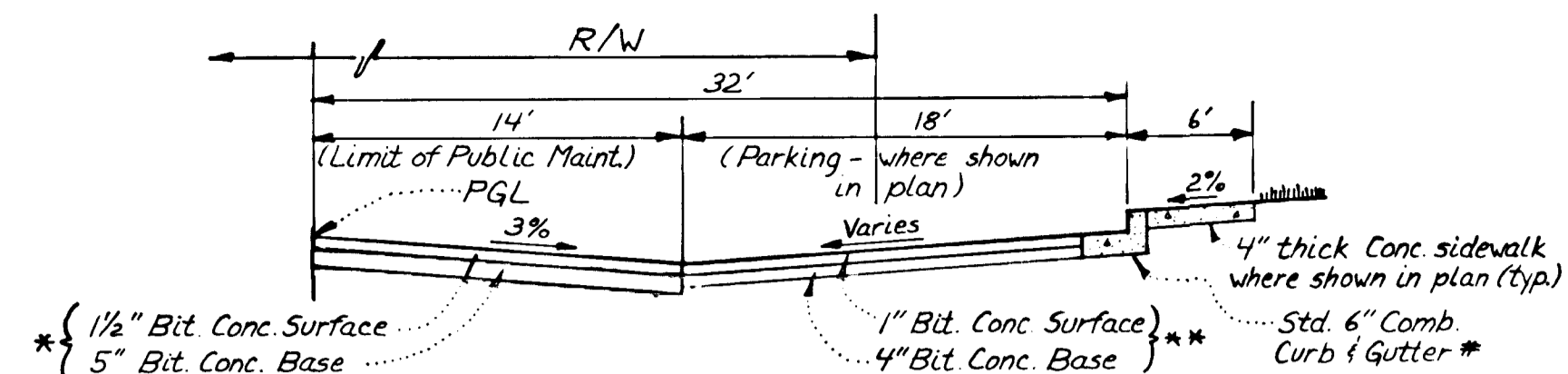
PROFILE - LONE TREE COURT





STA. 0100 to 4+18 LONE TREE COURT
TYPICAL PAVING SECTION - PUBLIC ROADS
NO SCALE

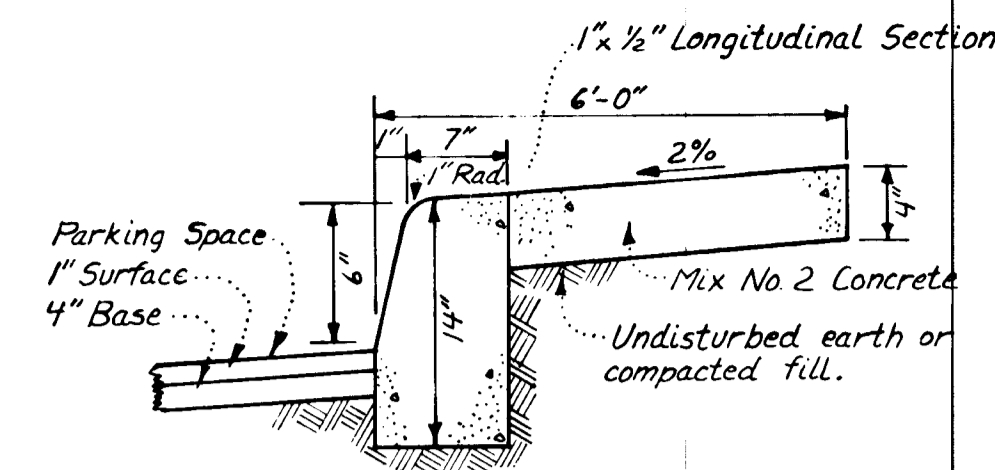
* For Alternate Paving Section - See det. this sht.



TYPICAL HALF SECTION
PARKING ADJACENT TO PUBLIC ROADS
NO SCALE

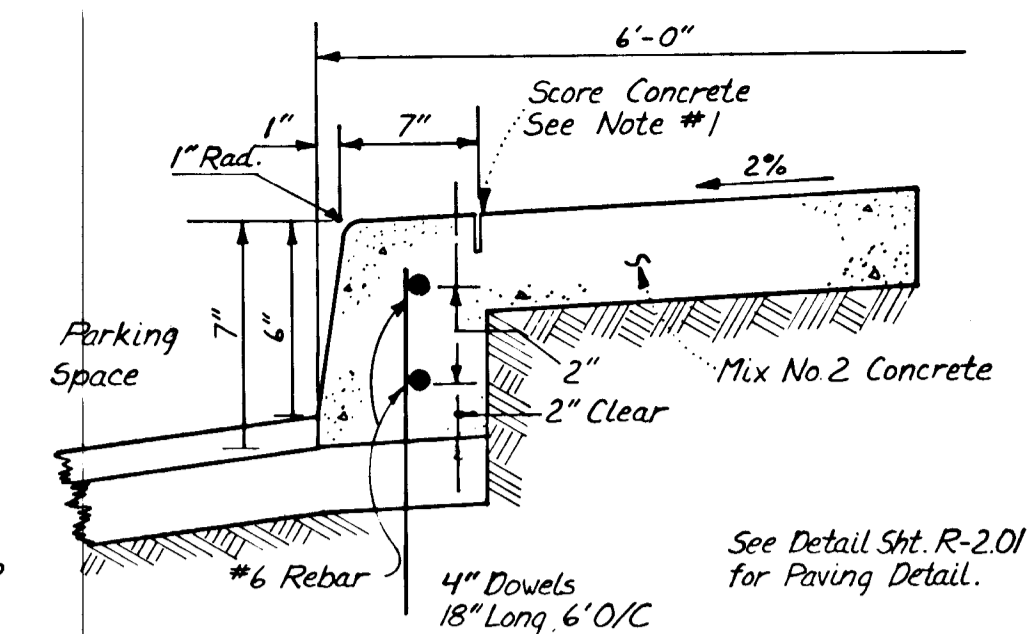
* See Alternate Paving Section for Public Roads, this sht.
* See Alternate Paving Section for Parking, this sht.

Notes:
1. Longitudinal joint between sidewalk & curb shall be continuous and to a depth of 1/4 the thickness of the sidewalk or 1\"/>



MONOLITHIC CURB & SIDEWALK - PRIVATE PARKING AREA
NO SCALE

Note: Monolithic curb and sidewalk can be used as an alternate to reverse 4\"/>



ALTERNATE SECTION
NO SCALE

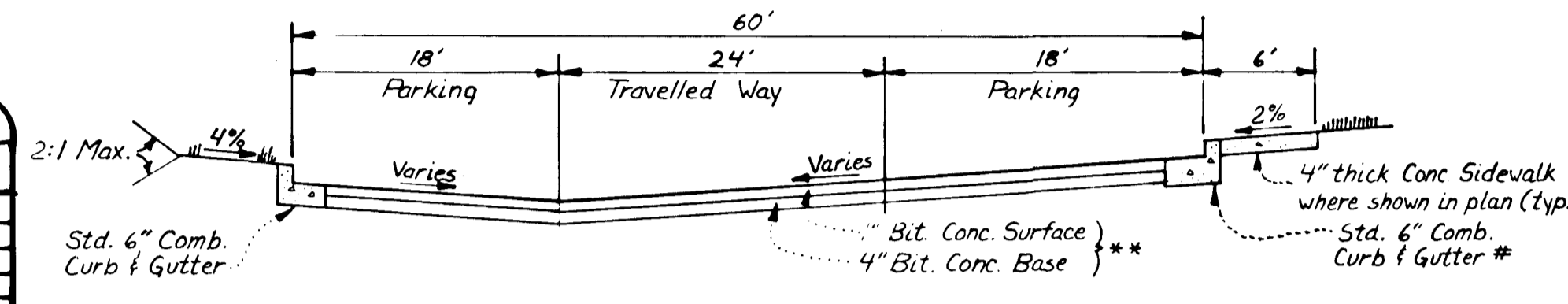
See Detail Sht. R-201 for Paving Detail.

STRUCTURE SCHEDULE A						
No	TYPE	INV. IN	INV. OUT	TOP ELEVATION		REMARKS
				UPPER	LOWER	
# 1-1	Metal End Section	402.44	402.12			Hb. Co. Std. SD 5.61 Dia=15\"/>
# 1-2	A-10 Inlet	417.40	417.40	422.40		" " SD 4.02 W=2'6\"/>
# 1-3	Metal End Section	388.39	388.07			" " SD 5.61 Dia=15\"/>
# 1-4	A-10 Inlet	441.00	441.00	416.00		" " SD 4.02 W=2'6\"/>
# 1-5	A-5 Inlet w/Deflectors	418.75	418.99	418.75		" " SD 4.01 W=2'6\"/>
# 1-6	A-10 Inlet w/Deflectors	418.75	418.99	418.75		" " SD 4.02 W=2'6\"/>

See Hb. Co. Std. SD 5.62 for Type of Connection.
* See Hb. Co. Std. SD 4.83 for Inlet Deflectors.
Δ All Inverts to be fully developed.

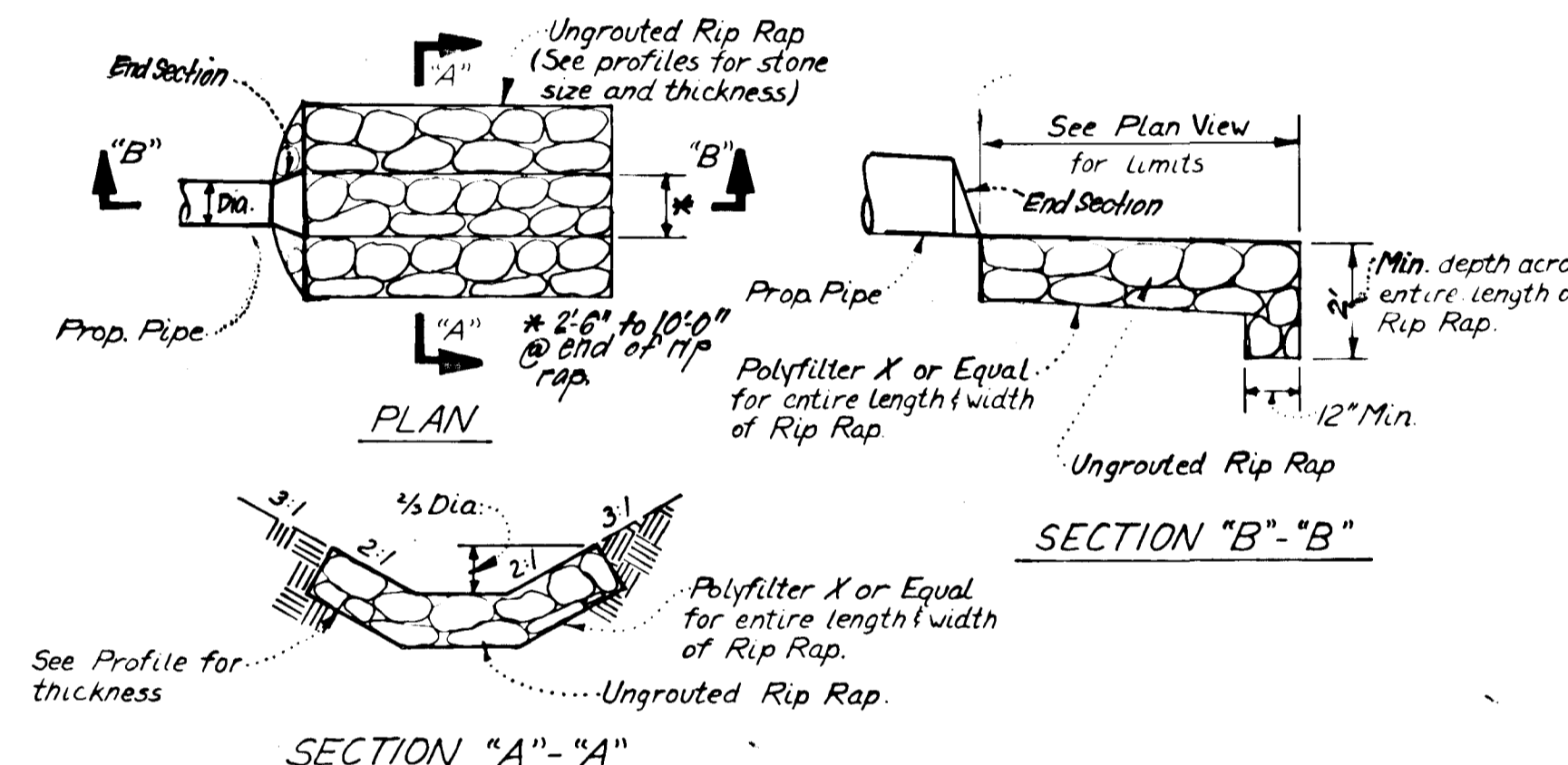
PIPE SCHEDULE		
SIZE	TYPE	LENGTH
15"	RCP CL II	32 LF
15"	RCP CL IV	11 LF
15"	ALX CSP 16 gage	256 LF

* 2 1/2\"/>

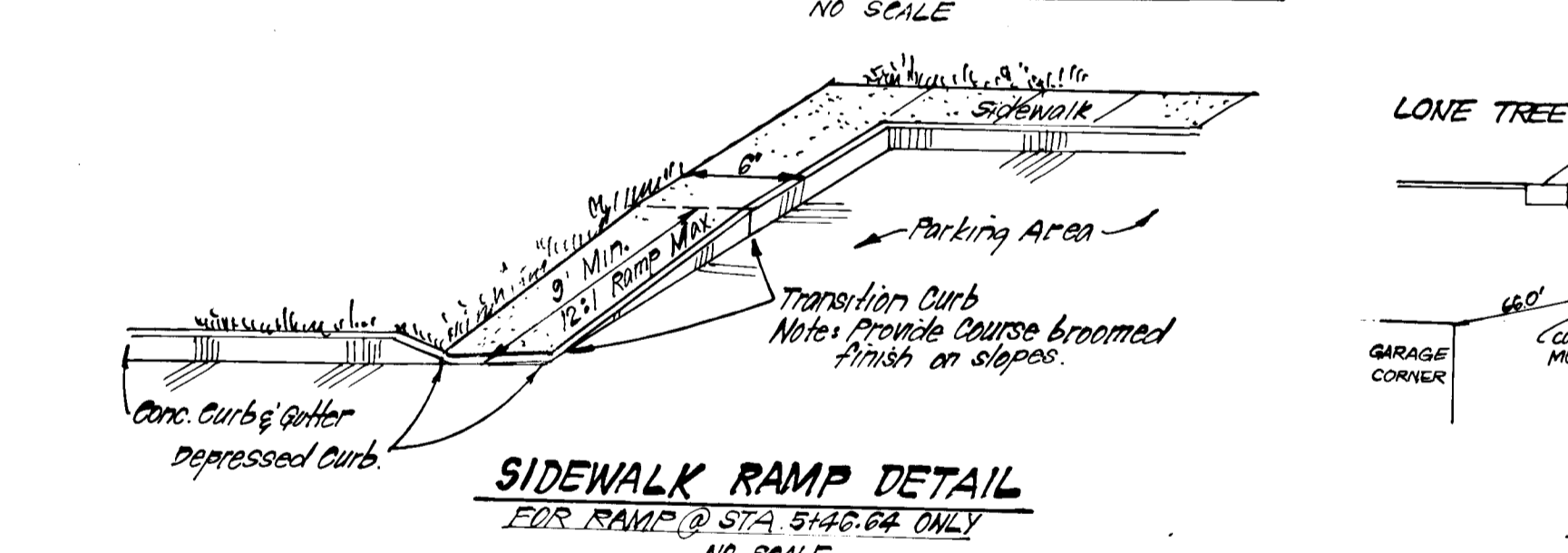


TYPICAL SECTION
PRIVATE DRIVE PARKING
NO SCALE

** See Alternate Paving Section for Parking this sht.



UNGROUTED RIP RAP PAVING DETAILS
NO SCALE



SIDEWALK RAMP DETAIL
FOR RAMP @ STA 540.64 ONLY
NO SCALE



MONUMENT RECOVERY SKETCH

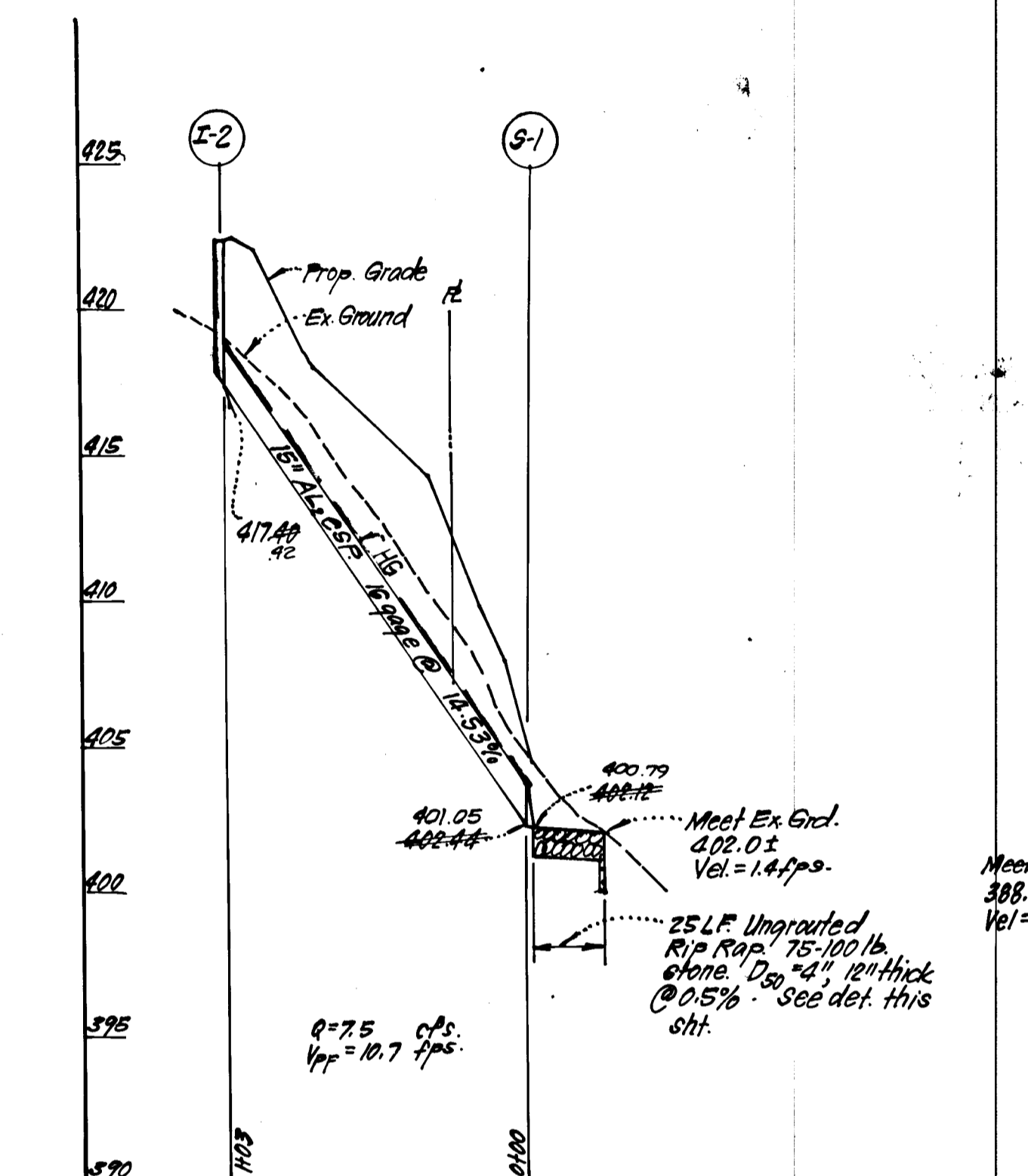
Bituminous Conc Surface	1 1/2"
Bituminous Conc Base	2 1/2"
Prime	5"
8" Crusher Run Base (Placed in 2 Courses) or 6" Dense Graded Stabilized Aggregate Base Course	5" or 4"

ALTERNATE PAVING SECTION FOR PUBLIC ROADS
NO SCALE

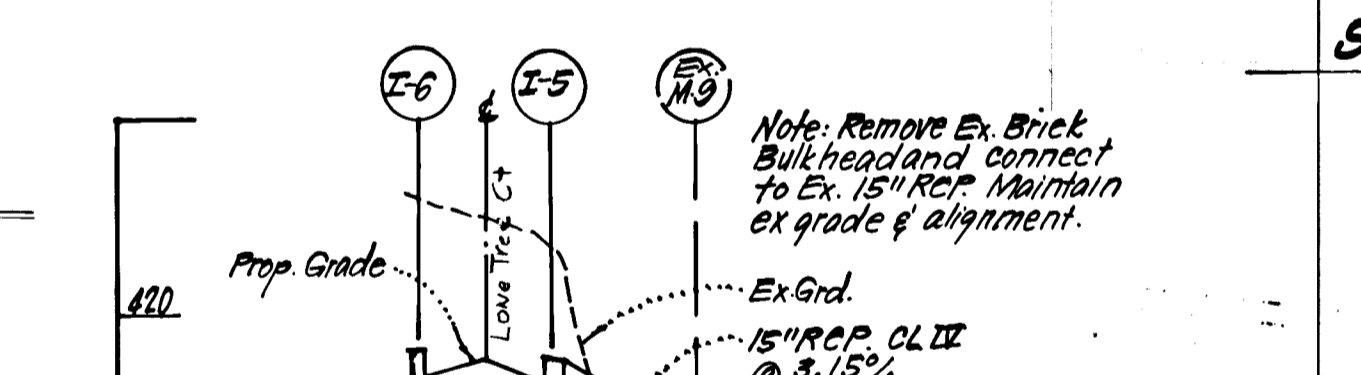
ALTERNATE PAVING SECTION FOR PARKING AREAS
NO SCALE

Approved: *Stephen L. Fisher* 11/9/84 Date

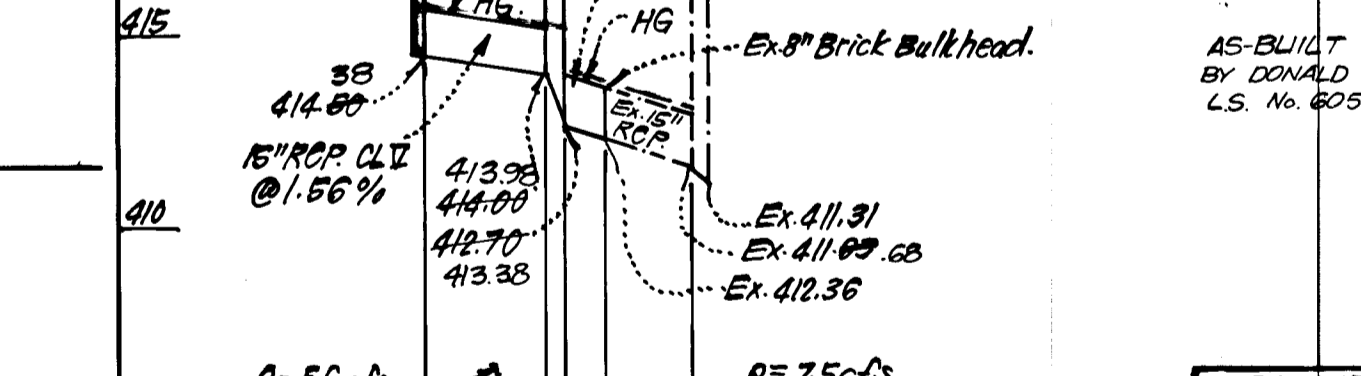
Approved: *G. Nelson Clark* 8-28-84 Date



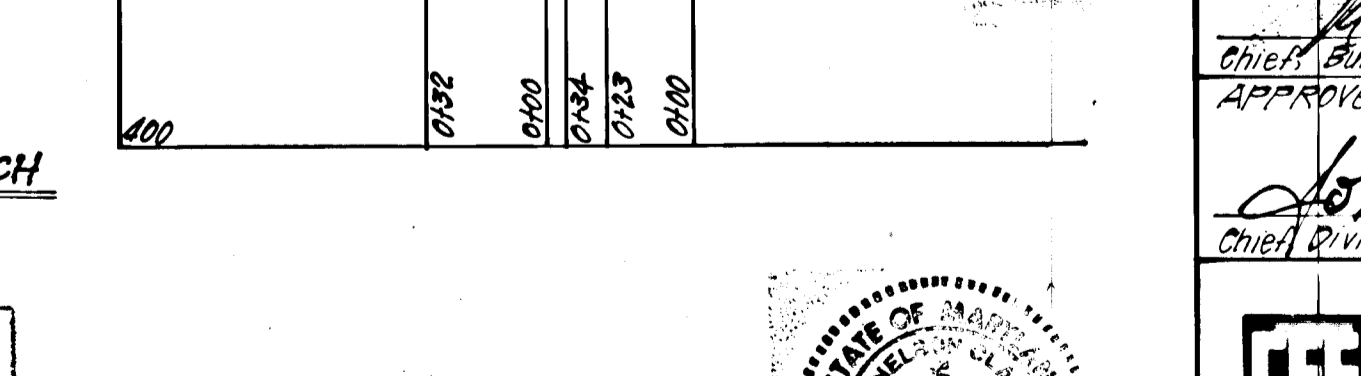
STORM DRAINAGE PROFILES
SCALES: HORIZ. 1"=50' VERT. 1"=5'



MONUMENT *12



MONUMENT *605



MONUMENT RECOVERY SKETCH

Reviewed for: *HOWARD S.C.D.* Name and meets Technical Requirements. *Stephen L. Fisher* Signature. U.S. Soil Conservation Service.

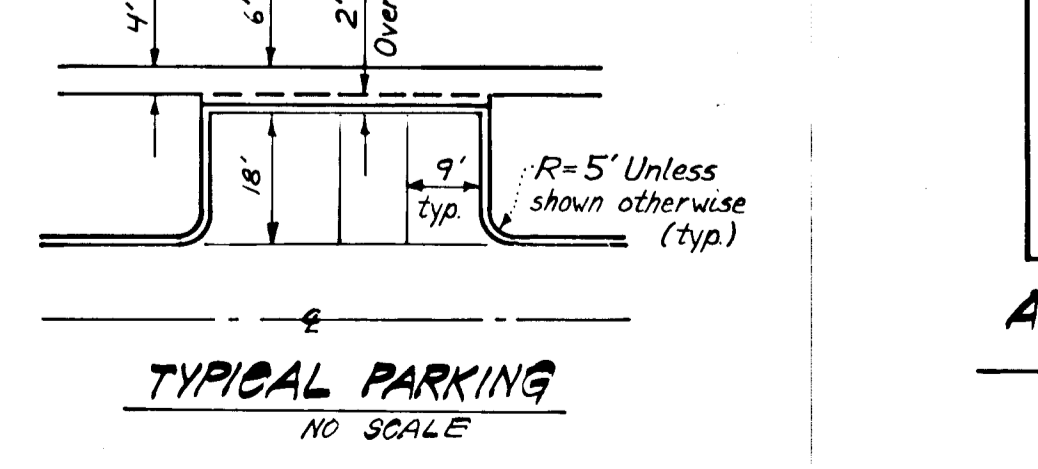
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Approved: *Stephen L. Fisher* 11/9/84 Date

Approved: *G. Nelson Clark* 8-28-84 Date

DEVELOPER'S/BUILDER'S CERTIFICATE
"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel 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 are deemed necessary."

Signature of Developer/Builder: *B. James Peasfield* 8/28/84 Date



TYPICAL PARKING
NO SCALE

AS-BUILT SURVEY CERTIFIED BY DONALD B. SACKETT MD. REG. U.S. No. 6039 GW NOV 11, 1985

OWNER: The Howard Research & Development Corp. 10275 Little Patuxent Parkway Columbia, Md. 21044

APPROVED: DEPARTMENT OF PUBLIC WORKS
William H. ... 11-17-84 Date
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Shull Murchman 11-9-84 Date
Chief, Division of Land Development & Zoning Administration

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS		
1131 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED	ROAD CONSTRUCTION PLANS STORM DRAIN & PAVING DETAILS	SCALE AS SHOWN
DRAWN	COLUMBIA	DRAWING 2 OF 4
CHECKED	A RESUBDIVISION OF BARCEL & VILLAGE OF HICKORY RIDGE SECTION 3 AREA 6 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 84-020
DATE	FOR: COLUMBIA BUILDERS, INC. 3 LAKEFRONT NORTH SUITE 200 COLUMBIA, MD 21044	FILE NO. 84-020-D

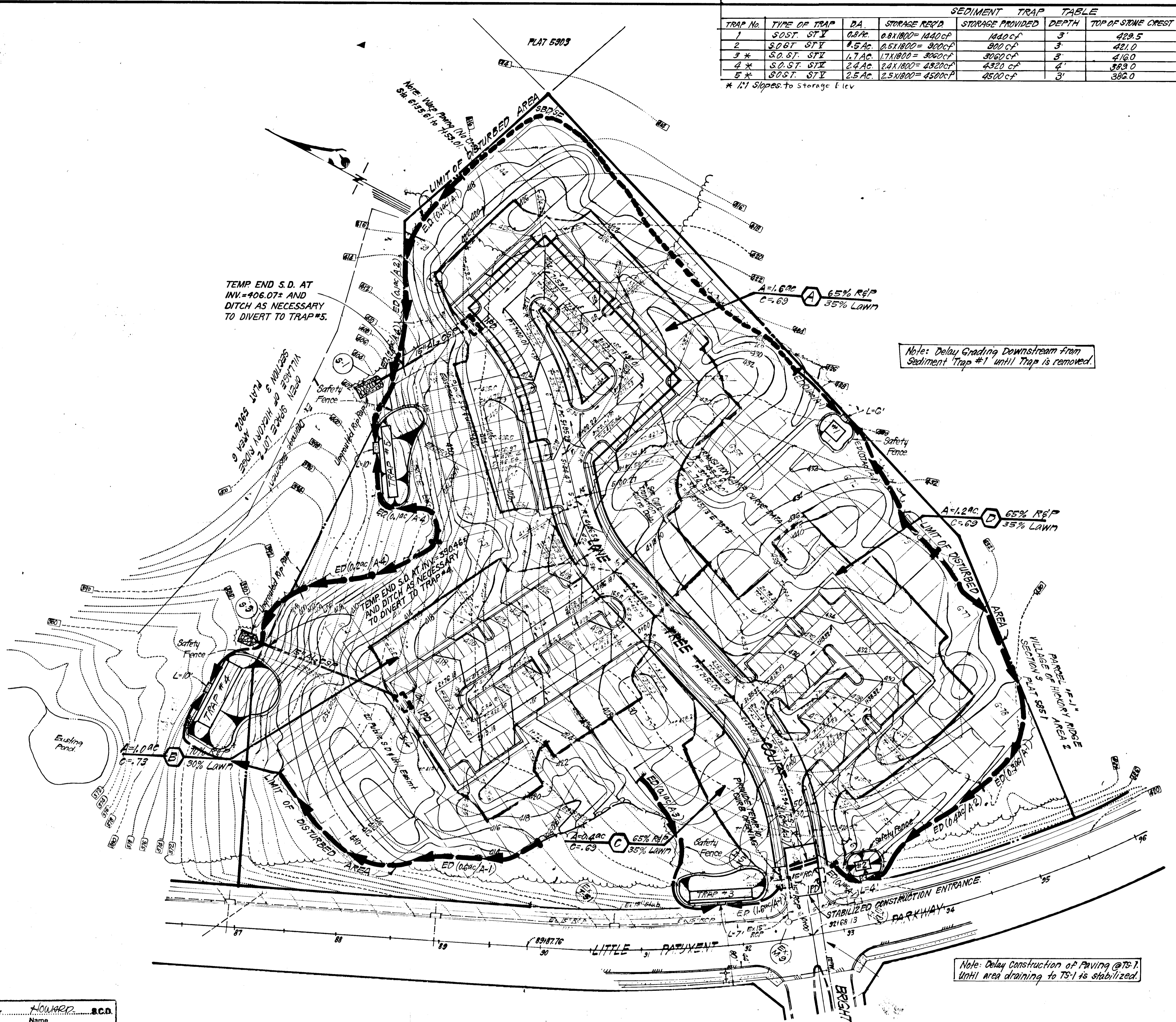
F-85-39c AS-BUILT 11-1-85

TRAP No.	TYPE OF TRAP	DA	STORAGE REQ'D	STORAGE PROVIDED	DEPTH	TOP OF STONE CREST	BOTTOM ELEV.	BOTTOM DIMENSIONS	CLEANOUT ELEV.
1	S.O.S.T. STV	0.8 AC	0.8 X 1800 = 1440 CF	1440 CF	3'	429.5	426.5	18' X 14'	428.0
2	S.O.S.T. STV	1.5 AC	1.5 X 1800 = 2700 CF	2700 CF	3'	421.0	418.0	14' X 8'	418.5
3	S.O.S.T. STV	1.7 AC	1.7 X 1800 = 3060 CF	3060 CF	3'	416.0	413.0	62' X 9'	414.5
4	S.O.S.T. STV	2.4 AC	2.4 X 1800 = 4320 CF	4320 CF	4'	389.0	385.0	56' X 14'	387.0
5	S.O.S.T. STV	2.5 AC	2.5 X 1800 = 4500 CF	4500 CF	3'	382.0	383.0	69' X 14'	384.5

* 1:1 Slopes to Storage Elev

- CONSTRUCTION SEQUENCE:**
1. Obtain Grading Permit
 2. Install Stabilized Construction Entrance.
 3. Install Sediment & Erosion Control Measures.
 4. Clear & Rough Grade Site.
 5. Construct storm drainage to limits shown on plan & temporarily divert to sediment traps, and install I.P.D's
 6. Construct Utilities.
 7. Fine Grade & construct paving except at T.S.1.
 8. Stabilize all other disturbed areas onsite in accordance with plans & specs.
 9. Upon approval of the Sediment Control Inspector, Remove sediment & Erosion Control Measures and Construct remainder of paving and storm drainage.

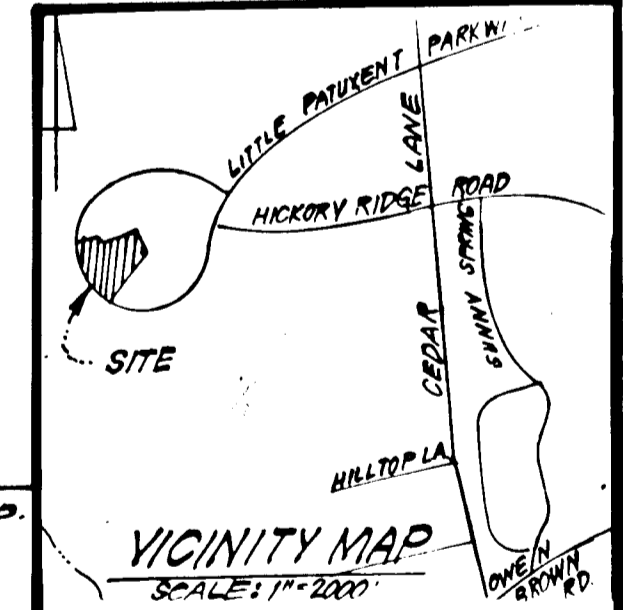
- LEGEND:**
1. Existing Contour
 2. Proposed Contour
 3. Proposed Storm Drain
 4. Earth Dike
 5. Straw Bale Dike or Silt Fence
 6. Temporary swale
 7. Stone Filter Inlet Protection



Note: Delay Grading Downstream from Sediment Trap #1 until Trap is removed.

Note: Delay Construction of Paving @ T.S.1 until area draining to T.S.1 is stabilized.

AS-BUILT SURVEY CERTIFIED BY DONALD B. SACKETT, MD. REG. L.S. No. 6059 ON NOV. 11, 1985



Reviewed for... HOWARD... S.C.D. and meets Technical Requirements
 Signature: [Signature] Date: [Date]
 U.S. Soil Conservation Service

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

Approved: [Signature] 11/9/84 Date

DEVELOPER'S/BUILDER'S CERTIFICATE
 "I hereby certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel 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 are deemed necessary."
 Signature: [Signature] Date: 8/28/84

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: [Signature] Date: 8-28-84



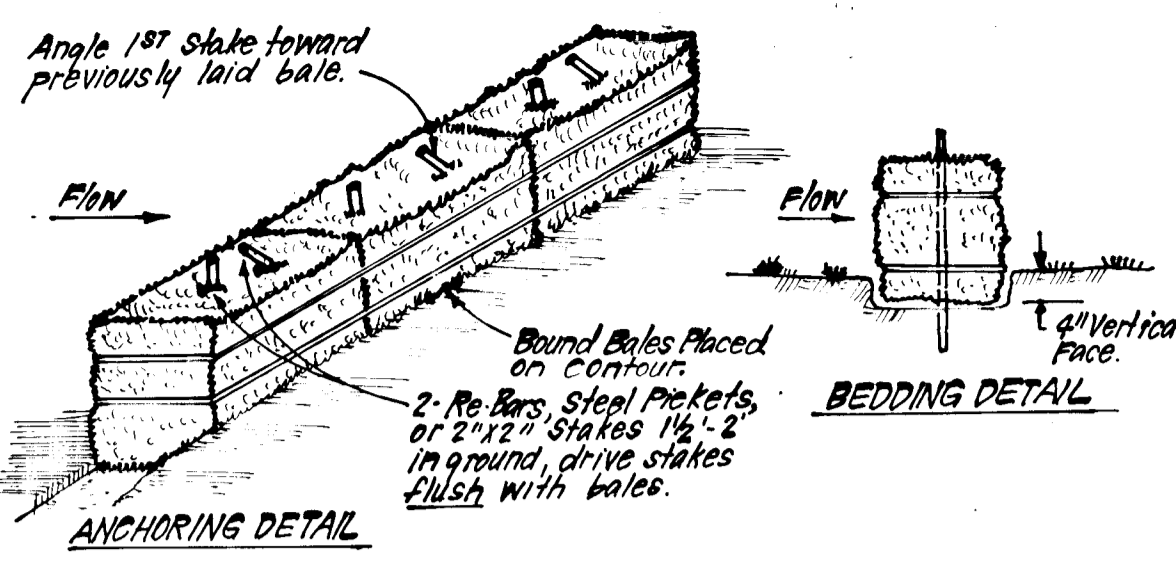
OWNER: The Howard Research & Development Corp.
 10275 Little Patuxent Parkway
 Columbia Md. 21044

APPROVED: [Signature] 11-17-84
 Chief, Bureau of Engineering

APPROVED: [Signature] 11-9-84
 Chief, Division of Land Development & Zoning Administration

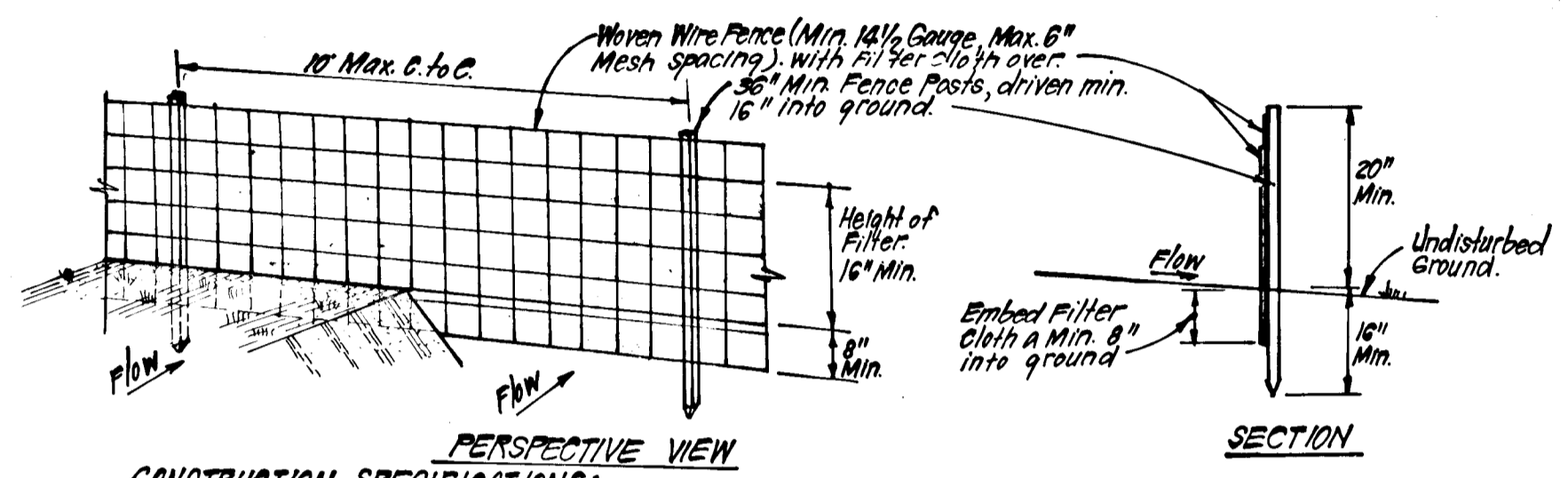
CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400

DESIGNED: JLS	ROAD CONSTRUCTION PLANS SEDIMENT & EROSION CONTROL PLAN & EROSION CONTROL MAP COLUMBIA A RESUBDIVISION OF PARCEL G VILLAGE OF HICKORY RIDGE SECTION 3 AREA 6 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: COLUMBIA BUILDERS, INC. 3 Lakefront North Suite 200 Columbia, Md. 21044	SCALE: 1/4" = 1'-0"
DRAWN: KIW		DRAWING: 3 OF 4
CHECKED: JLS		JOB NO.: 84 020
DATE: Aug 28 84		FILE NO.: 84 020 D



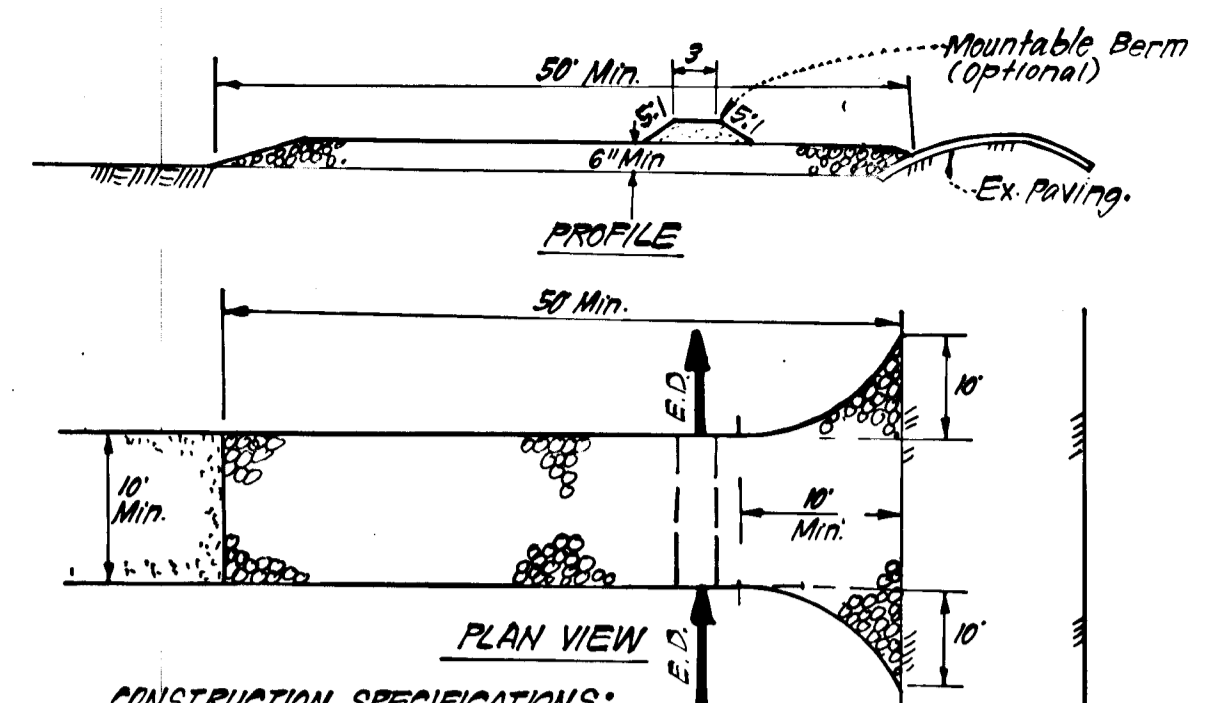
- CONSTRUCTION SPECIFICATIONS:**
- Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
 - Each bale shall be embedded in the soil a min. of 4" and placed so the bindings are horizontal.
 - Bales shall be securely anchored in place 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.
 - Bales 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)



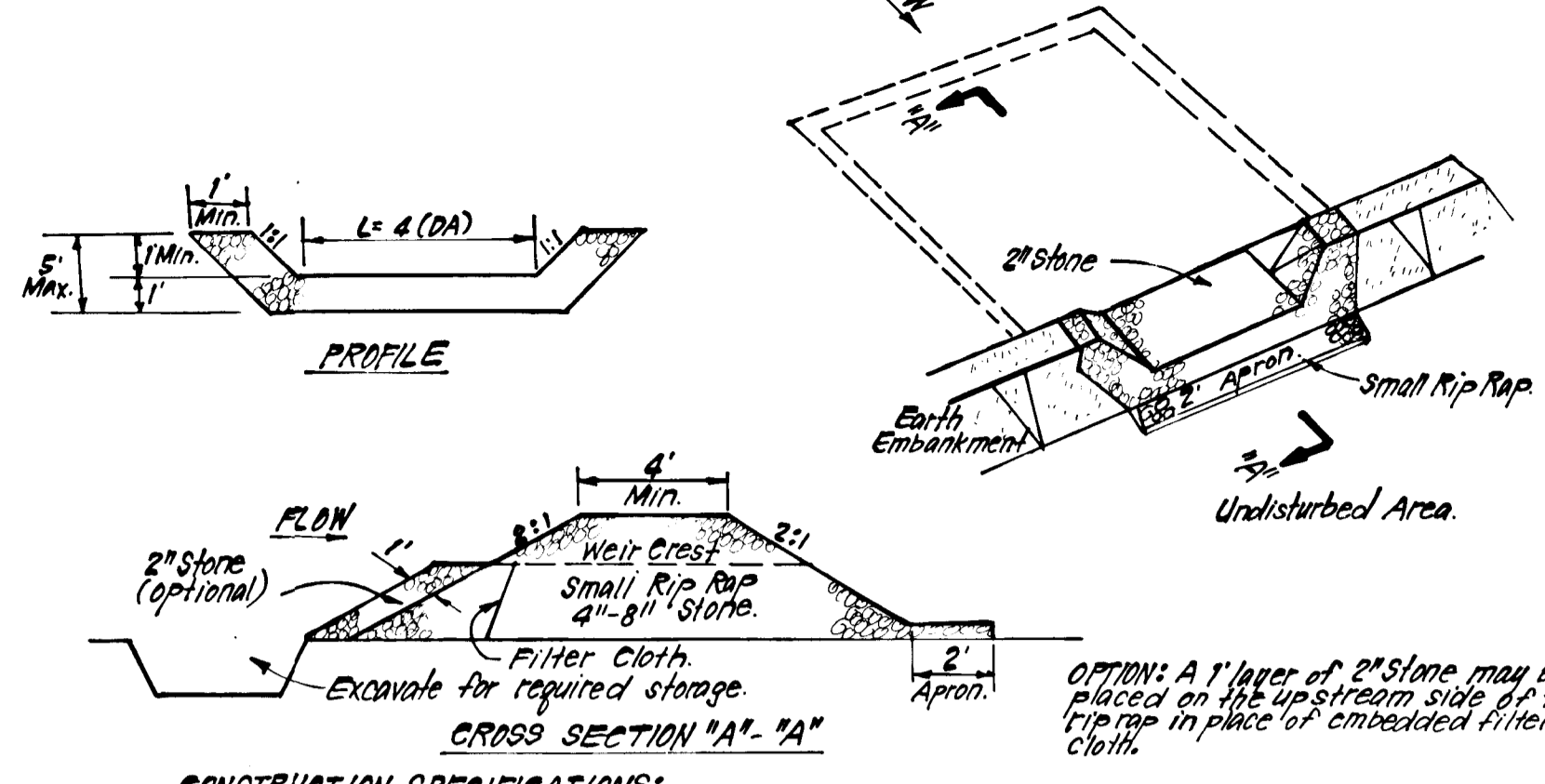
- CONSTRUCTION SPECIFICATIONS:**
- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 - Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
 - When 2 sections of filter cloth adjoin each other, they shall be overlapped by 6" and stapled.
 - Maintenance shall be performed as needed and material removed when "Bulges" develop in Silt Fence.

SILT FENCE DETAIL (S)



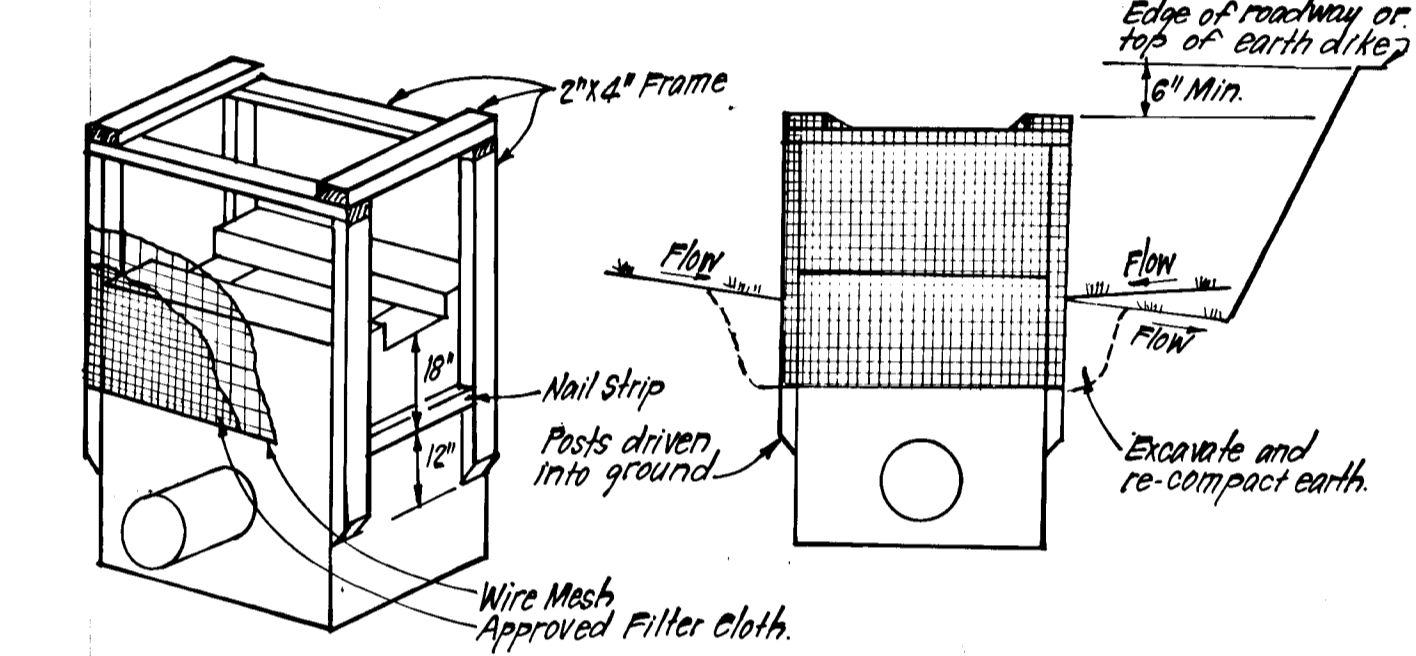
- CONSTRUCTION SPECIFICATIONS:**
- Stone Size - Use 2" Stone, or reclaimed or recycled concrete equivalent.
 - Length - As required, but not less than 50 feet (except on a single residence lot) where a 50' min. length would apply.
 - Thickness - Not less than 6"
 - Width - Ten foot min, but not less than the full width at point where ingress is desired.
 - Filter cloth - Will be placed over the entire area prior to placing 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. If piping is impractical, a "mountain berm" with 3:1 slopes will be permitted.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights of way. This may require periodic top dressing with additional stone as conditions demand. Sediment spilled, dropped, washed or tracked onto public rights of way must be removed immediately.
 - Washing - Wheels 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.)

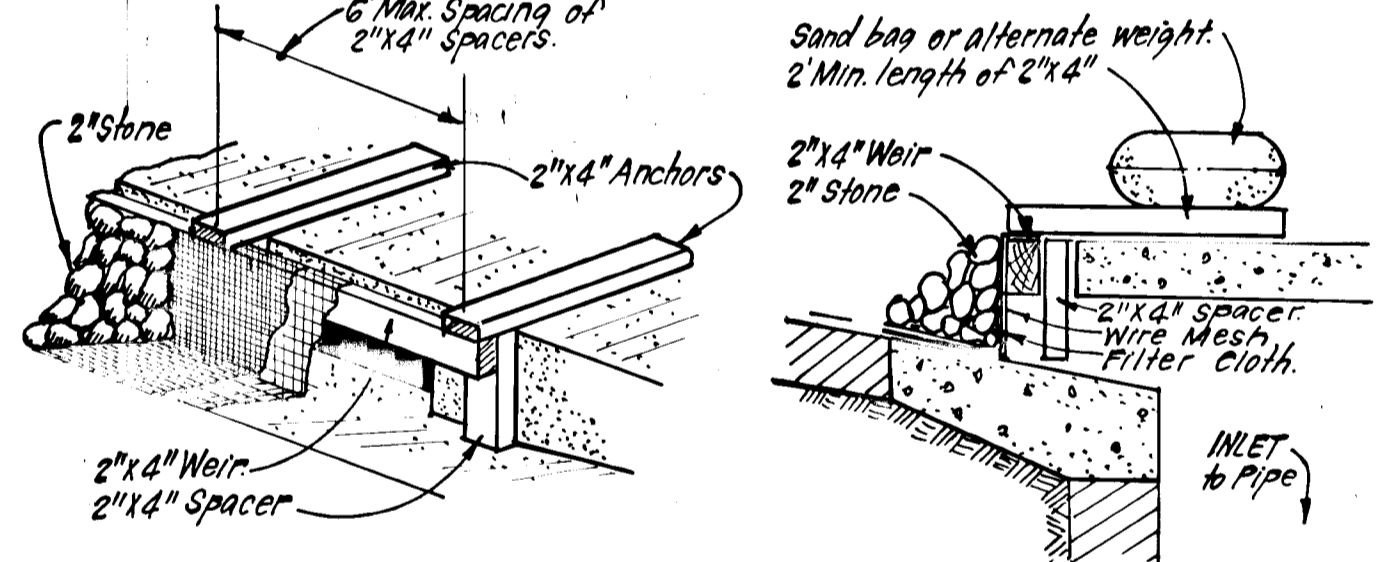


- CONSTRUCTION SPECIFICATIONS:**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 - The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material 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-grade 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.

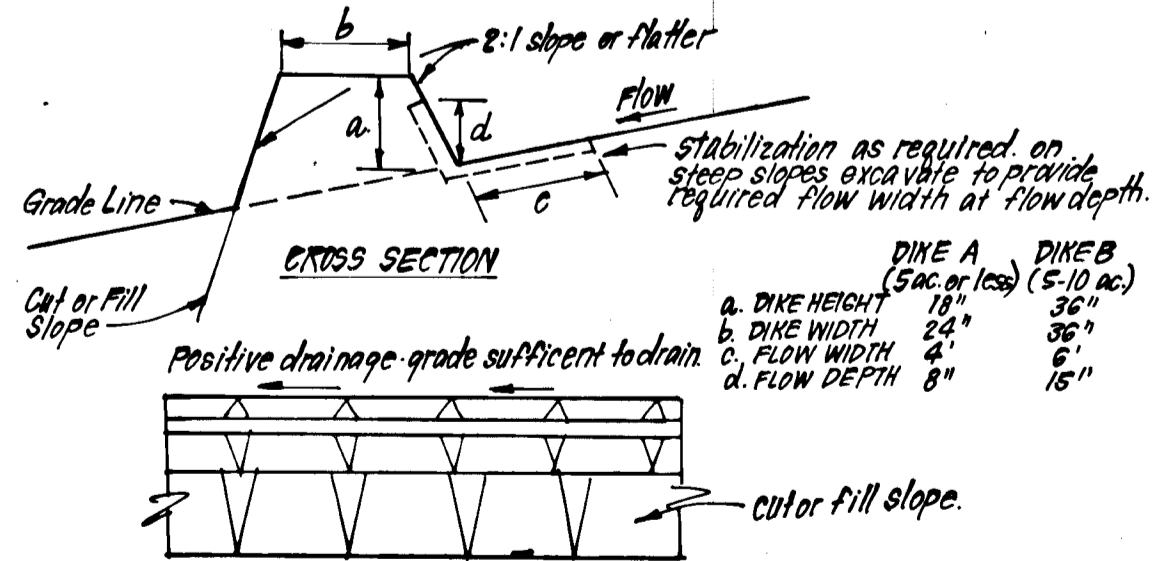
STONE OUTLET SEDIMENT TRAP (S.O.S.T.) ST.V.



SWALE INLET PROTECTION DETAIL



INLET PROTECTION DETAIL (I.P.D.)



- CONSTRUCTION SPECIFICATIONS:**
- All dikes shall be compacted by earth-moving equipment.
 - All 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 that functions with a min. of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike or the drainage area above the dike are not adequately stabilized.
 - Stabilization shall be: (A) in accordance with the Silt & Specs for Seed and Straw Mulch if not in seeding season (B) flow channel as per Silt Detail ED-1, pg 10.03 of the Silt & Specs.

EARTH DIKE DETAIL (E.D.)

Developed for: **HOWARD S.O.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: 11/8/84

DEVELOPER'S/BUILDER'S CERTIFICATE

"We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel 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 are deemed necessary."

Signature: _____ Date: 10/8/84

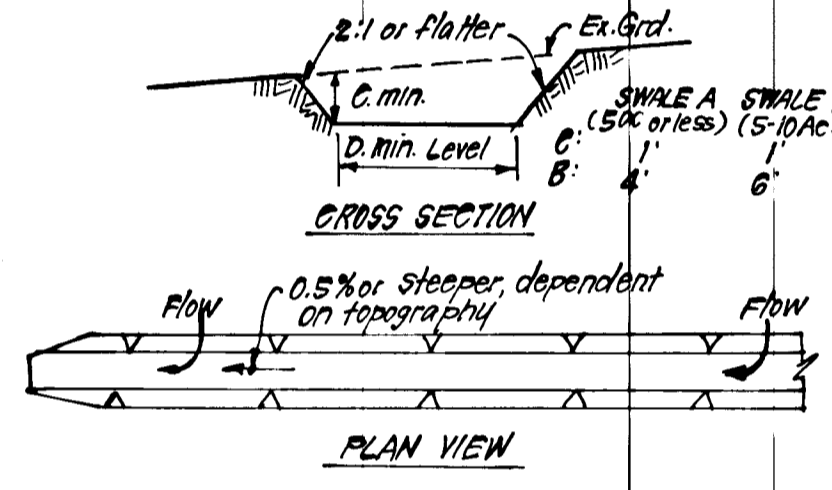
ENGINEER'S CERTIFICATE

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: 8-8-84

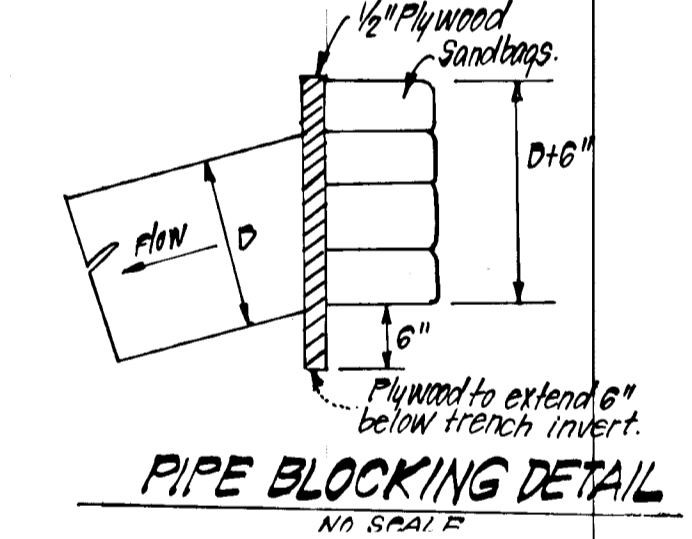
GENERAL NOTES

- 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 or his representative on the site, on a continuing day to day basis.
- It will be the developer's 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 borrow 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 Silt & Specs for Soil Erosion and Sediment Control for Permanent Seeding and Pages 50.01-50.05 for Temporary Seeding.
- As per COMAR 08.05.01.06 - "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 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 = 460 LF.
- SITE ANALYSIS:**
 - A Total Area: 0.3159 Acres
 - B Area to be Roofed: None Acres
 - C Area to be Paved: 1.9200 Acres
 - D Area to be Seeded: 0.3159 Acres
 - E Area Undisturbed: 1.2000 Acres
- CONSTRUCTION SEQUENCE:**
 - A Install Sediment's Erosion Control Devices and Stabilize.
 - B Excavate for Foundations and Rough Grade.
 - C Construct Structures, Driveways & Sidewalks.
 - D Final Grade in accordance with note #10.
 - E If houses are to be constructed on an "As-Sold" basis, at random, single Lot Sediment Control, as shown below, shall be implemented.
 - F All sediment traps shown must be fenced and warning signs posted around their perimeter in accordance with Vol 1, Chap. 12, of The Howard Co. Design Manual for Storm Drainage.



TEMPORARY SWALE DETAIL (T.S.)

- CONSTRUCTION SPECIFICATIONS:**
- All temporary swales shall have uninterrupted positive grade to an outlet.
 - Diverted run-off from a disturbed area shall be conveyed to a trapping device.
 - Diverted run-off from an undisturbed area shall outlet directly into an undisturbed stabilized area at non-erosive velocity.
 - All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the swale.
 - The swale shall be excavated, or shaped to line grade and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow.
 - Fills shall not be compacted by earth moving equipment.
 - All earth removed and not needed on construction shall be placed so that it will not interfere with functioning of swale.



PIPE BLOCKING DETAIL

AS-BUILT SURVEY CERTIFIED BY DONALD B. SACKETT, MD, REG. L.S. No. 6059 ON NOV. 11, 1985

OWNER: The Howard Research & Development Corp. 10275 Little Patuxent Parkway Columbia, Md. 21044

APPROVED: DEPARTMENT OF PUBLIC WORKS
Signature: _____ Date: 11-12-84
Chief, Bureau of Engineering

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Signature: _____ Date: 11-9-84
Chief, Division of Land Development & Zoning Administration



CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400		
DESIGNED	ROAD CONSTRUCTION PLANS SEDIMENT & EROSION CONTROL DETAILS	SCALE
DRAWN	COLUMBIA	AS SHOWN
CHECKED	A REBUBBLING OF PARCEL 6 VILLAGE OF HICKORY RIDGE SECTION 5 DISTRICT AREA 6 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING
DATE	FOR: COLUMBIA BUILDERS, INC. 3 Lakefront North Suite 200 Columbia, Md. 21044	JOB NO.
10-8-84		84-020
		FILE NO.
		84020-D