

LEGEND

PROPERTY LINE
 BUILDING RESTRICTION LINE
 BASEMENTS
 EXISTING GRADE 314
 PROPOSED GRADE 312
 EXISTING CURB & GUTTER
 PROPOSED CURB & GUTTER
 EXISTING WATER
 PROPOSED WATER
 EXISTING SANITARY SEWER
 PROPOSED SANITARY SEWER
 EXISTING STORM DRAINS
 PROPOSED STORM DRAINS
 PROPOSED HANDICAPPED PARKING (5)
 HANDICAPPED KAMP DETAIL (2)
 NUMBER OF PARKING SPACES (2)
 P.S. PAVING (2) P.S. PAVING
 PROPOSED SIDEWALKS

SITE DATA (OVERALL)

TOTAL AREA OF SITE: 709,950 S.F./16.2 AC.
 EXISTING ZONING: M-1
 PROPERTY REFERENCE: PLAT # 5706 & 5767
 EXISTING USE: VACANT
 PROPOSED USE: RESEARCH/DEVELOPMENT
 TOTAL FLOOR AREA: 792,204 S.F.
 PARKING PROVIDED: 600 P.S.
 FLOOR AREA RATIO: 4.85 AC./176,146 AC. = 2.75%
 % OPEN SPACE: 0.11 AC./16.16 AC. = 0.68%
 % BUILDING COVERAGE W/PAVING: 10.05 AC./176,146 AC. = 5.71%
 AREA TO BE DISTURBED: 76,988 S.F./176,146 AC. = 4.37%
 AREA TO BE VEGETATIVELY STABILIZED: 664,530 S.F./176,146 AC. = 37.72%
 % BUILDING COVERAGE: 2.82 AC./16.16 AC. = 17.45%
 TOTAL AREA OF PARKING LOTS: 287,106 S.F. = 16.35 AC.
 TOTAL AREA OF LANDSCAPED ISLANDS: 29700 S.F./176,146 AC. = 1.68%
 PERCENTAGE OF LANDSCAPED ISLANDS & PARKING: 0.60 AC./16.58 AC. = 3.62%

PARKING TABULATION

Parking Required:

Building A - Office 78596 s.f. - 393 emp. @ 7 p.s./10 emp. = 276 p.s.
 Building B - Office 30300 s.f. - 152 emp. @ 7 p.s./10 emp. = 107 p.s.
 Building C - Office 38500 s.f. - 193 emp. @ 7.5 p.s./10 emp. = 136 p.s.
 Building D - Office 42200 s.f. - 216 emp. @ 7 p.s./10 emp. = 152 p.s.
 Warehouse 8800 s.f. @ 1 p.s./500 s.f. = 18 p.s.

Total Parking Spaces Required = 690
 TOTAL PARKING SPACES PROVIDED = 715

THESE PLANS HAVE BEEN REVIEWED BY THE HOWARD COUNTY CONSERVATION DISTRICT MEETING THE TECHNICAL REQUIREMENTS FOR SMALL LOT DEVELOPMENT AND DISTRICT COUNCIL APPROVAL. SDP-87-49 4-8-87 DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT. 4-12-87 DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT. 4-15-87 DATE

APPROVED FOR LAND DEVELOPMENT AND ZONING ADMINISTRATION. 4-14-87 DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT. 4-10-87 DATE

CHIEF ENGINEER OF DIVISION. 4-9-87 DATE

ADDRESS SHEET

SUBMITTER: D
 STREET ADDRESS: 6716 ALEXANDER BELL DRIVE

DESIGNER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR CIVIL FACILITY CONSTRUCTION, SHOWS AND DESCRIBES THE NECESSARY PLANS SPECIFICALLY IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY CONSERVATION DISTRICT I HAVE LISTED THE DEVELOPER THAT HE HAS PROVIDED THE HOWARD COUNTY CONSERVATION DISTRICT WITH A PRO-LIBERATED "AS-BUILT" OF THE CIVIL FACILITY WITHIN 90 DAYS OF COMPLETION.

ENGINEER: *[Signature]*
 DATE: 2/24/87

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 303 ALLEGHENY AVENUE
 TOWSON, MARYLAND 21284
 (301)825-8120

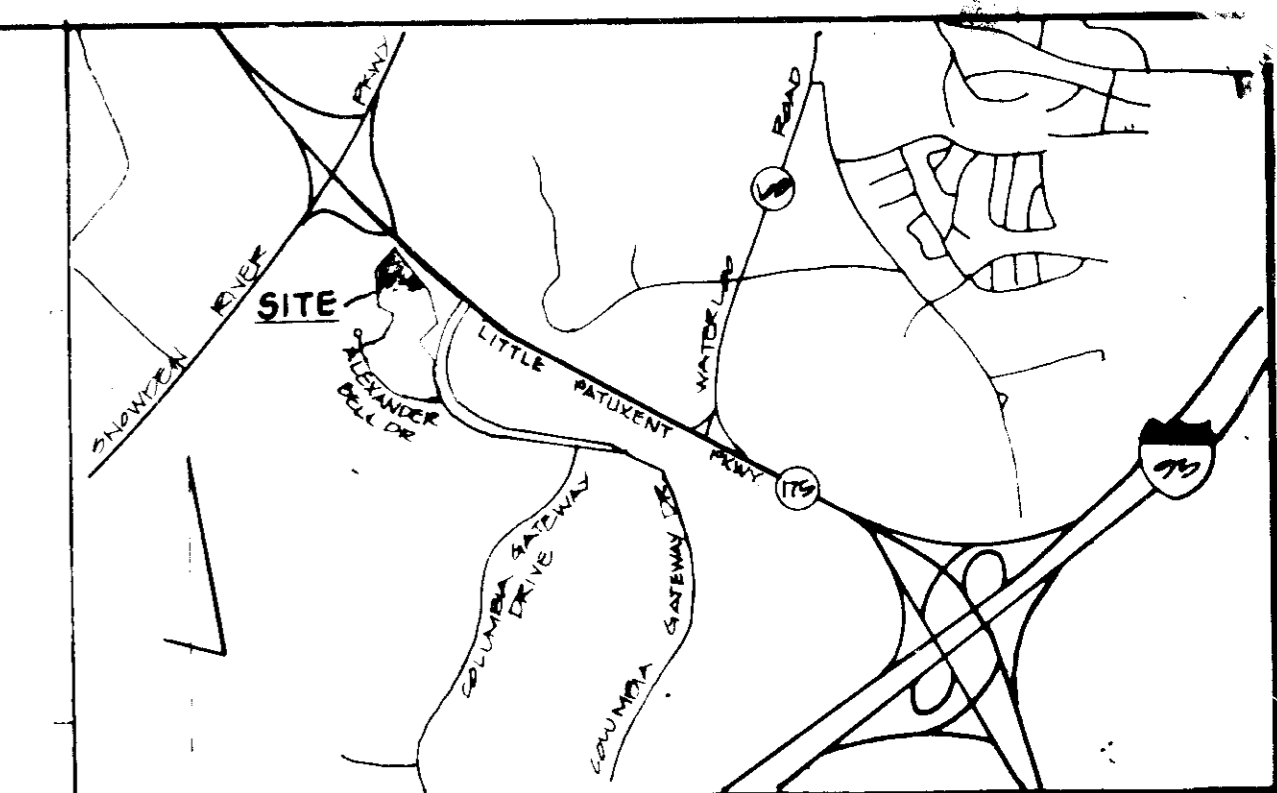
SITE DATA FOR REVISED AREA OF SUBMITTAL

Total area of submittal = 211,375 s.f./4.85 AC.
 Existing zoning = M-1
 Property reference = plat #6766 and 6767
 Existing use = vacant
 Proposed use = research/development
 Total floor area = 51,700 s.f./1.19 AC.
 Parking required = Office = 42,900 s.f. = 216 emp. @ 7 p.s./10 emp. = 152 parking spaces
 Warehouse = 8,800 s.f. @ 1 p.s./500 s.f. = 18 parking spaces
 Total parking spaces required = 170

Parking provided = 175 parking spaces
 Floor area ratio = 1.19 AC./4.85 AC. = 24.54%
 % open space = 1.86 AC./4.85 AC. = 38.35%
 % building coverage w/paving = 2.99 AC./4.85 AC. = 61.63%
 % building coverage = 0.59 AC./4.85 AC. = 12.16%
 Area to be disturbed = 206,950 s.f./4.85 AC. = 42.67%
 Area to be vegetatively stabilized = 76,068 s.f./176,146 AC. = 4.32%
 Total area of parking area = 118,600 s.f./2.72 AC.
 Total area of landscaped islands = 8,400 s.f./0.19 AC.
 Percentage of landscaped islands = 0.19 AC./2.72 AC. = 6.99%

APPROVED
 DIVISION OF LAND DEVELOPMENT
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 3-31-87

PLAN
 SCALE: 1" = 50'



VICINITY MAP
 SCALE: 1" = 200'

BENCH MARKS

W.R. & A.B.M. #2 ELEV. 365.28
 R.R. SPIKE IN BASE OF 4" POPULAR 90' (2)
 RIGHT OF & ALEXANDER BELL DRIVE
 P.T. STA. 11+25.95

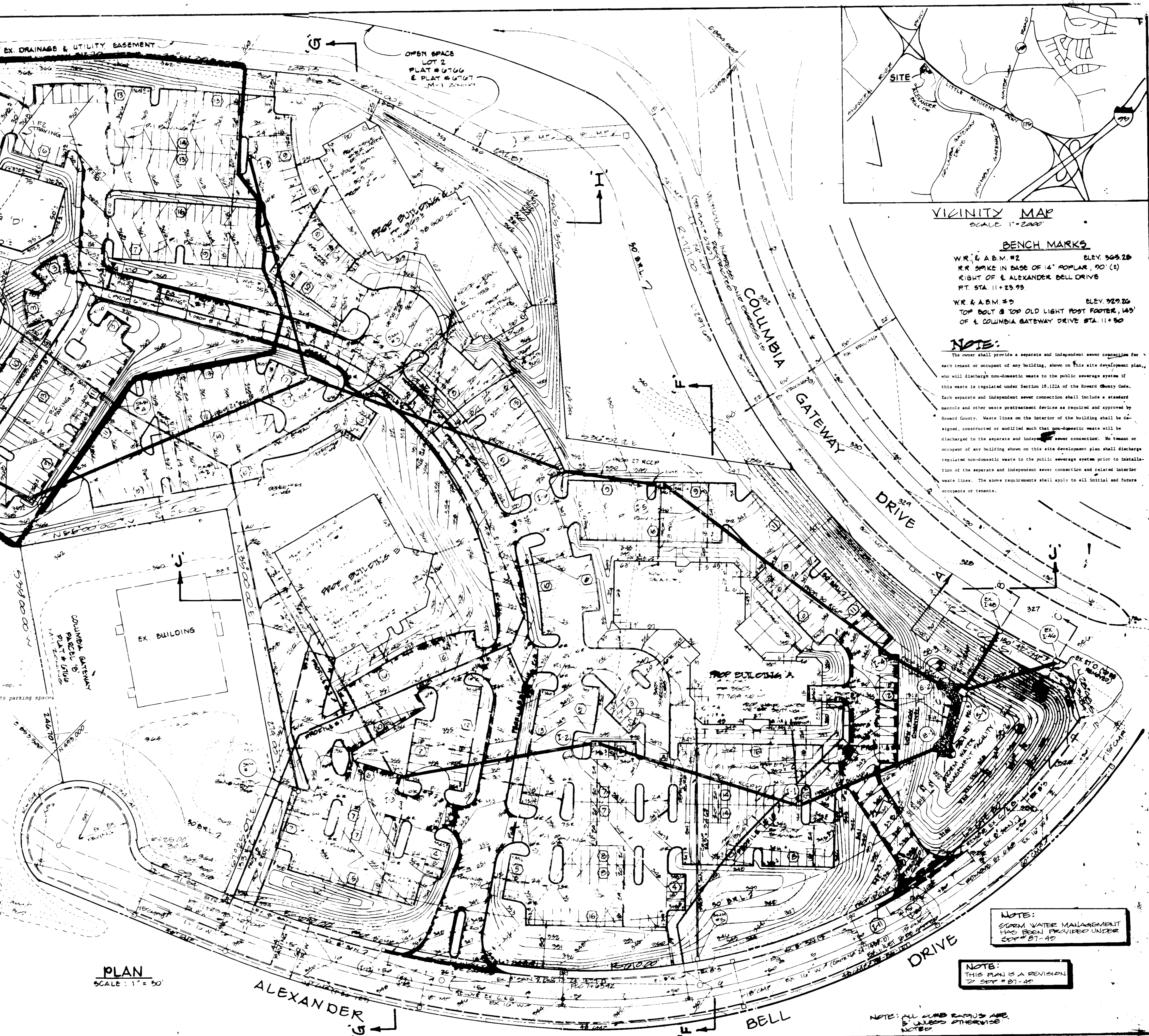
W.R. & A.B.M. #3 ELEV. 329.20
 TOP BOLT @ TOP OLD LIGHT POST FOOTER, 145'
 OF & COLUMBIA GATEWAY DRIVE STA. 11+50

NOTE:
 The owner shall provide a separate and independent sewer connection for each tenant or occupant of any building, shown on this site development plan, who will discharge non-domestic waste to the public sewerage system if this waste is regulated under Section 18.122A of the Howard County Code. Each separate and independent sewer connection shall include a standard manhole and other waste pretreatment devices as required and approved by Howard County. Waste lines on the interior of the building shall be designed, constructed or modified such that non-domestic waste will be discharged to the separate and independent sewer connection. No tenant or occupant of any building shown on this site development plan shall discharge regulated non-domestic waste to the public sewerage system prior to installation of the separate and independent sewer connection and related interior waste lines. The above requirements shall apply to all initial and future occupants or tenants.

NOTE:
 STORM WATER MANAGEMENT HAS BEEN PROVIDED UNDER SDP # 87-49

NOTE:
 THIS PLAN IS A REVISION OF SDP # 87-49

NOTE:
 ALL CURB RATIOS ARE 5 UNLESS OTHERWISE NOTED



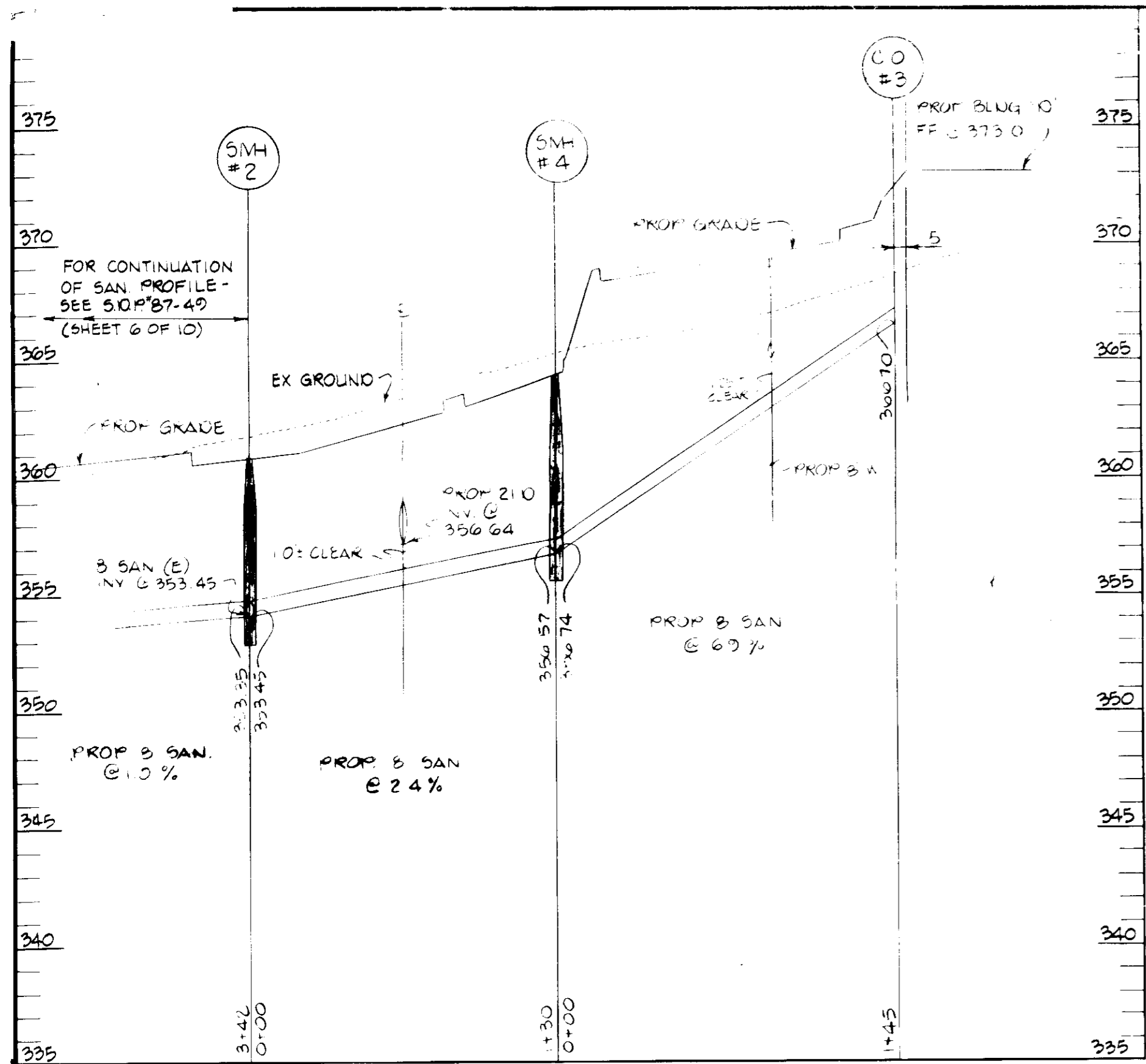
OWNER/DEVELOPER
 THE HEWARD RESEARCH & DEVELOPMENT CORP
 10215 LITTLE PATUXENT PARKWAY
 COLUMBIA, MARYLAND 21044
 (301) 432-6822
 CENTRAL MANAGER
 MRS. ZILIX SPARKINS
 46 MANEIKIN COOPERATION
 10210 OLD COLUMBIA RD
 COLUMBIA, MARYLAND 21046
 (301) 435-0707

DESIGNER'S CERTIFICATE
 I CERTIFY THAT ALL NECESSARY PLANS CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ALL RESPONSIBLE PERSONNEL EMPLOYED IN THE PREPARATION OF THESE PLANS HAVE A CERTIFICATE OF ATTENDANCE AT A COURSE OF INSTRUCTION PROVIDED BY THE HOWARD COUNTY HEALTH DEPARTMENT AND APPROVED BY THE DISTRICT COUNCIL AND APPROVED BY THE DISTRICT COUNCIL. I HAVE LISTED THE DEVELOPER THAT HE HAS PROVIDED THE HOWARD COUNTY CONSERVATION DISTRICT WITH A PRO-LIBERATED "AS-BUILT" OF THE CIVIL FACILITY WITHIN 90 DAYS OF COMPLETION.

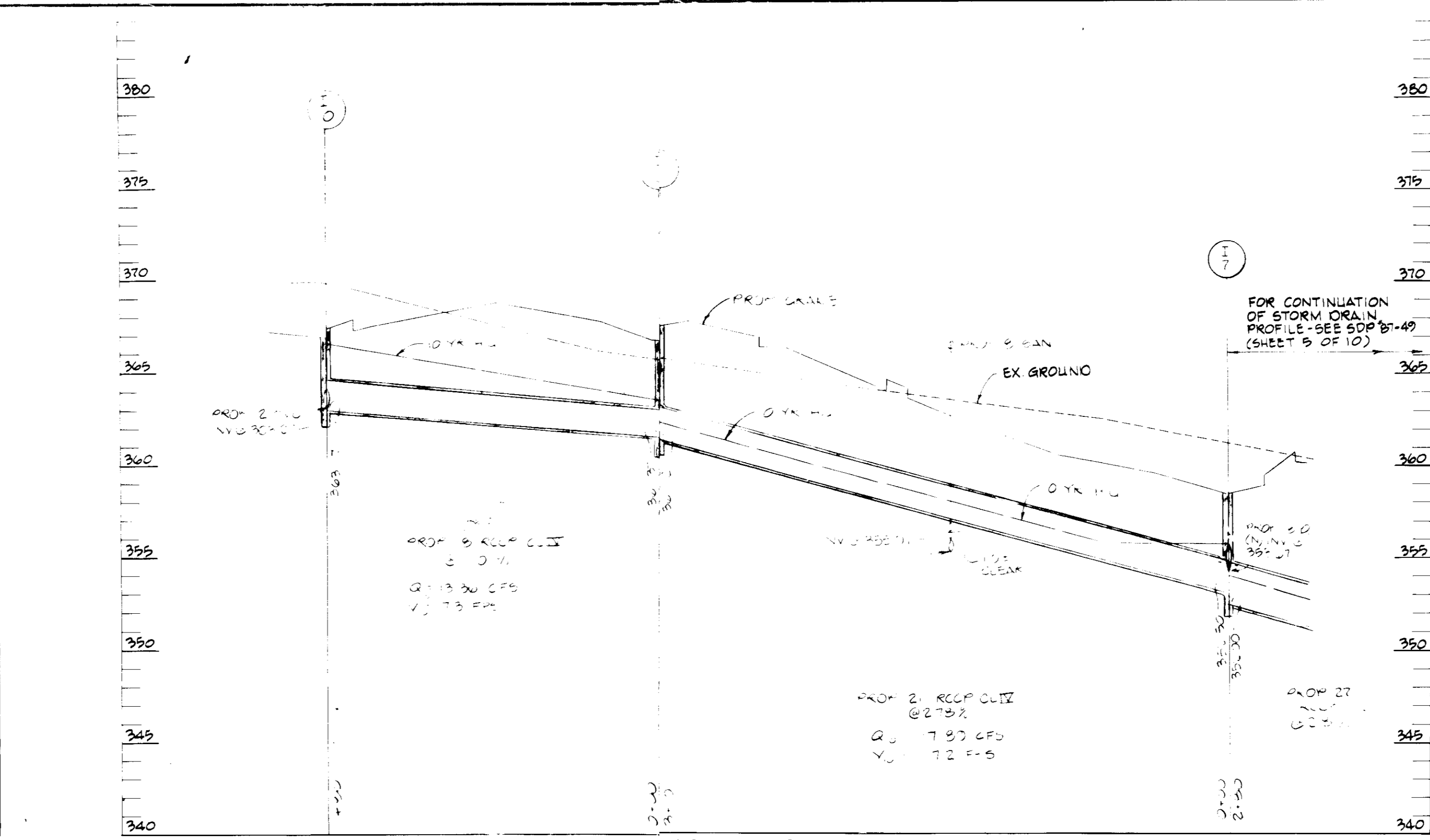
ENGINEER: *[Signature]*
 DATE: 2/24/87

DESIGNED: O.B.
CHECKED: R.L.D.B.
REVISIONS:
TC

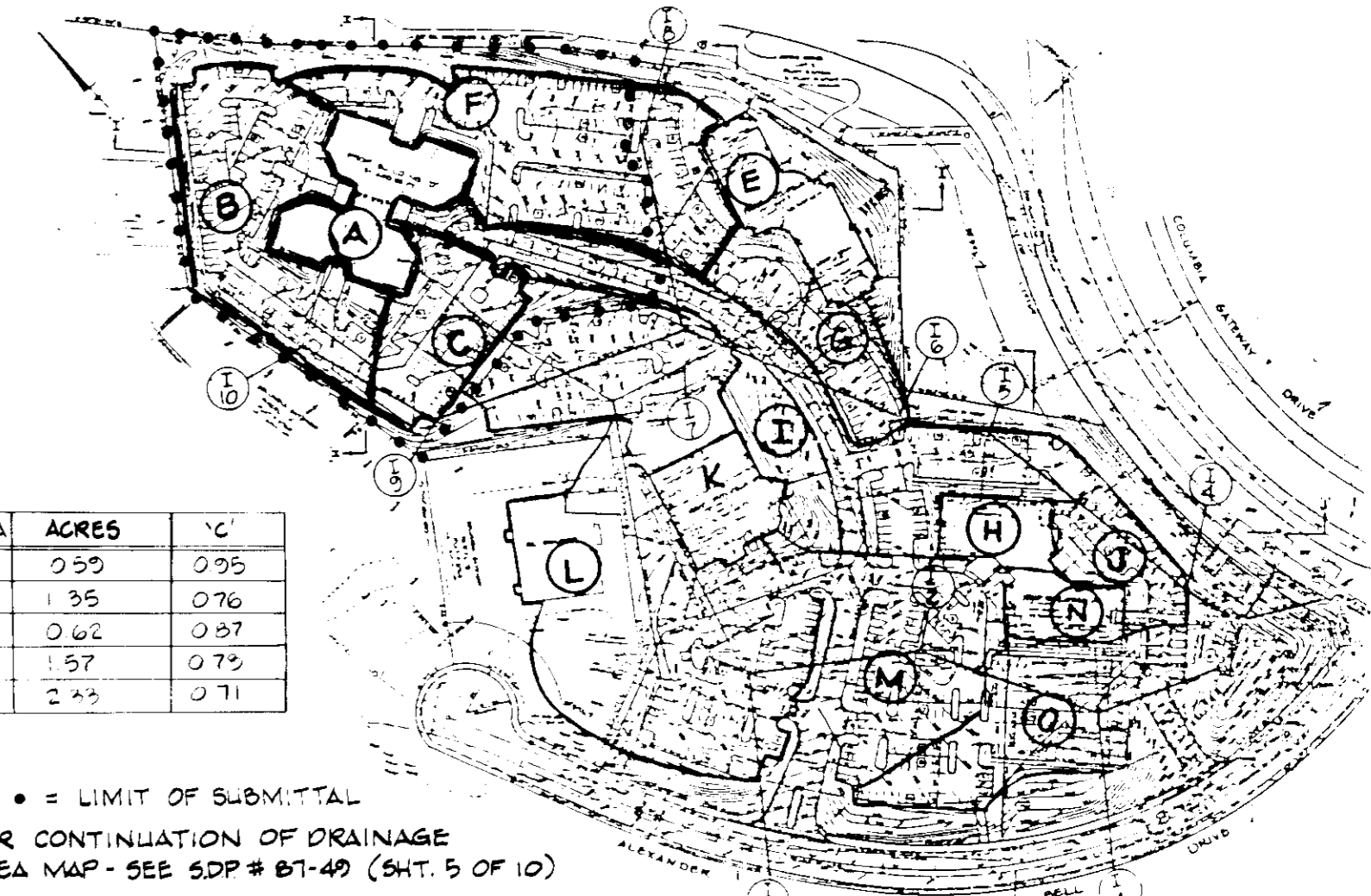
SITE & STORM WATER MANAGEMENT PLANS
 REVISED RESEARCH & DEVELOPMENT OFFICE PARK
 (BUILDING 15)
 COLUMBIA GATEWAY
 PARCEL 'C'
 TAX MAP # 42 & 43
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT # 6
 SCALE: AS SHOWN FEB. 24, 1987
 P.N. 02060 SHEET 3 OF 4
 SDP-87-160



SEWER PROFILE
SCALE: 1" = 50' HORIZ
1" = 9' VERT



STORM DRAIN PROFILE
SCALE: 1" = 50' HORIZ
1" = 9' VERT



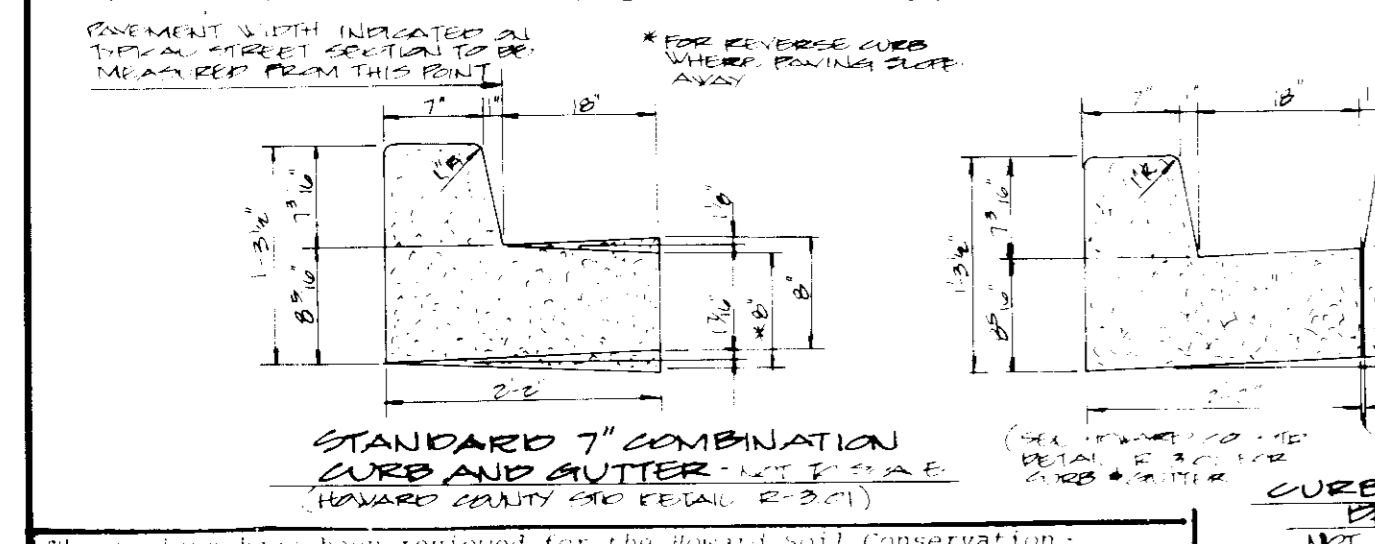
STORM DRAIN DRAINAGE AREA MAP
SCALE: 1" = 200'

INLET SCHEDULE					
NO.	TYPE	ELEVATIONS			REMARKS
		TOP	INV. IN	INV. OUT	
I-9	DBL. 15" COMB.	367.00	361.97	361.10	SEE HOW CO STD DET SD 434
I-10	DBL. 15" COMB.	367.00		361.17	SEE HOW CO STD DET SD 434



GREEN - EXISTING AND PROPOSED
WHITE - EXISTING
SHADY BACKGROUND - EXISTING
WHITE BACKGROUND - PROPOSED

MANHOLE SCHEDULE					
NO.	TYPE	TOP	INV. IN	INV. OUT	REMARKS
MH 4	STD BRICK MANHOLE	364.10	359.74	359.57	HOW CO STD DET SD 434



These plans have been reviewed for the Howard Soil Conservation District and the technical requirements for small pond construction, soil erosion and sediment control.
4-7-87
U.S. Soil Conservation Service

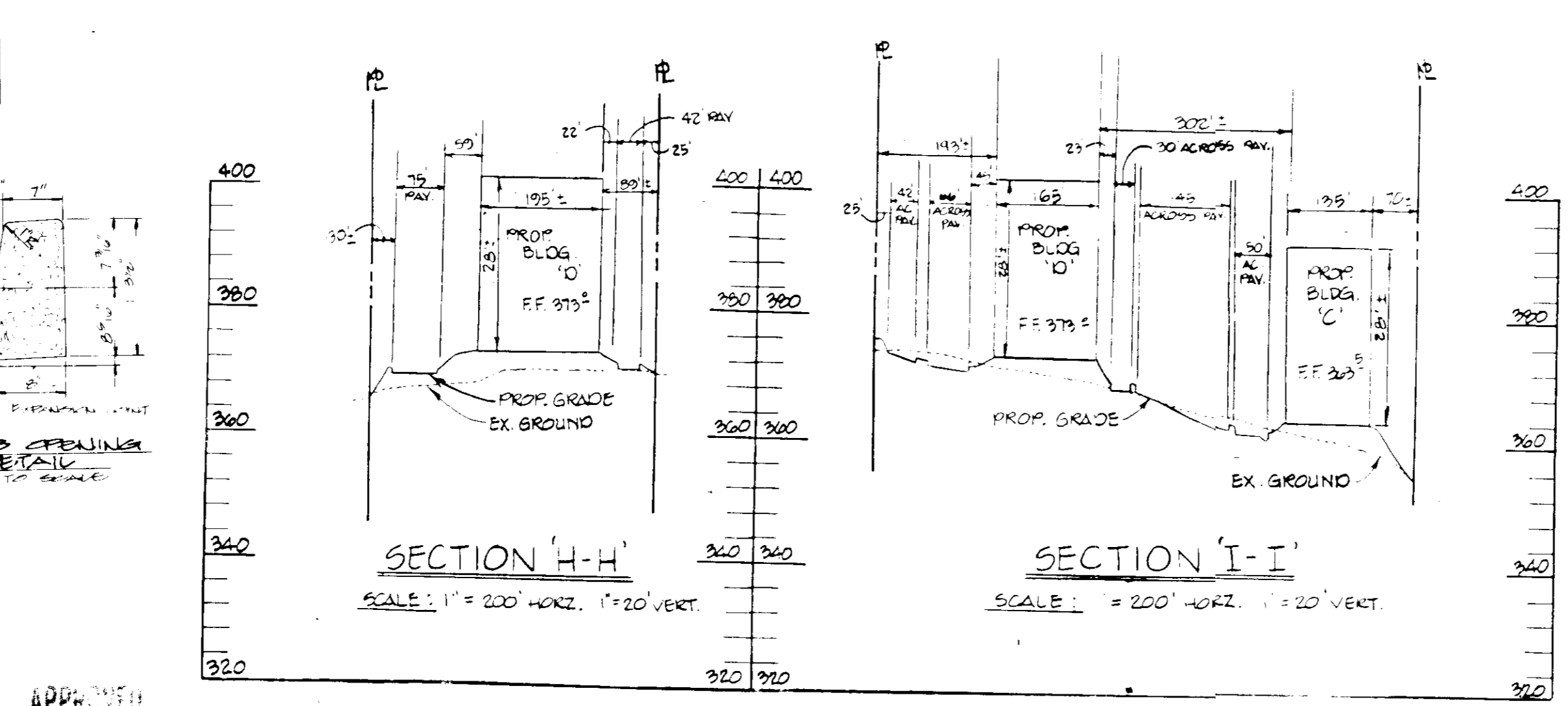
Approved: Stephen L. Kubler 4/2/87
Howard Soil Conservation District

Approved: Thomas L. Hamip 4-13-87
Howard County Health Department

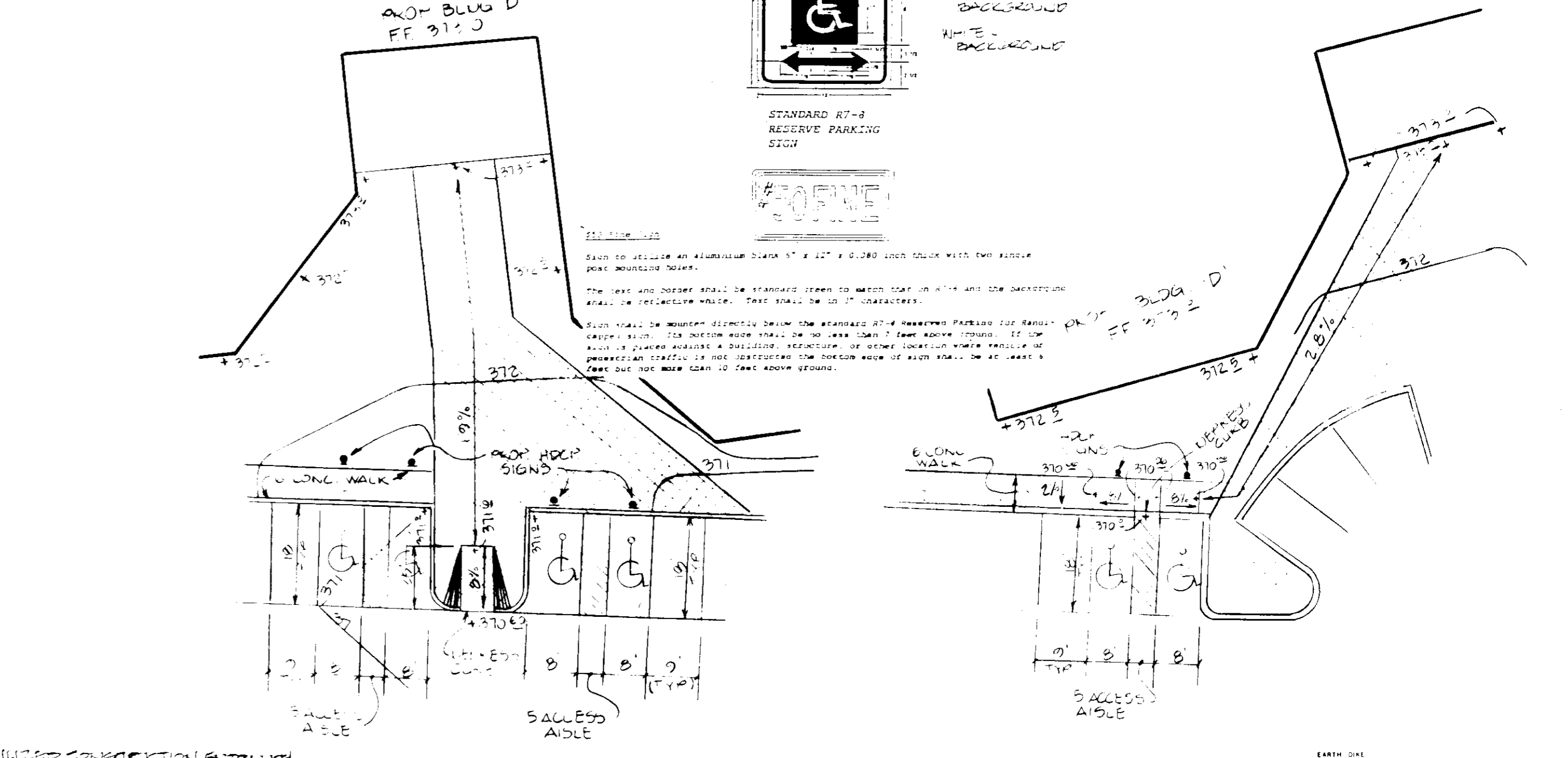
Approved: John M. Muehlenberg 4-15-87
Howard County Office of Planning & Zoning

Approved: James R. Nemmy 4-10-87
Howard County Department of Public Works

Approved: William B. Rice 4-7-87
Howard County Department of Public Works



SECTION 'H-H' SCALE: 1" = 200' HORIZ, 1" = 20' VERT
SECTION 'I-I' SCALE: 1" = 200' HORIZ, 1" = 20' VERT



DETAIL RAMP 'F' SCALE: 1" = 10'
DETAIL RAMP 'G' SCALE: 1" = 20'

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING
HOWARD COUNTY, MARYLAND
DATE: 3-31-87
M/4MM

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
303 ALLESHENY AVENUE
TOWSON, MARYLAND 21284
(301)825-8120

ENGINEER'S CERTIFICATE
I CERTIFY THAT THIS PLAN FOR CIVIL FACILITY CONSTRUCTION, EXCEPT AS OTHERWISE INDICATED, REPRESENTS A FEASIBLE AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE. CONSTRUCTION OF THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THIS CIVIL FACILITY WITHIN 90 DAYS OF COMPLETION.
C. CLARKE
ENGINEER
DATE: 4/24/87

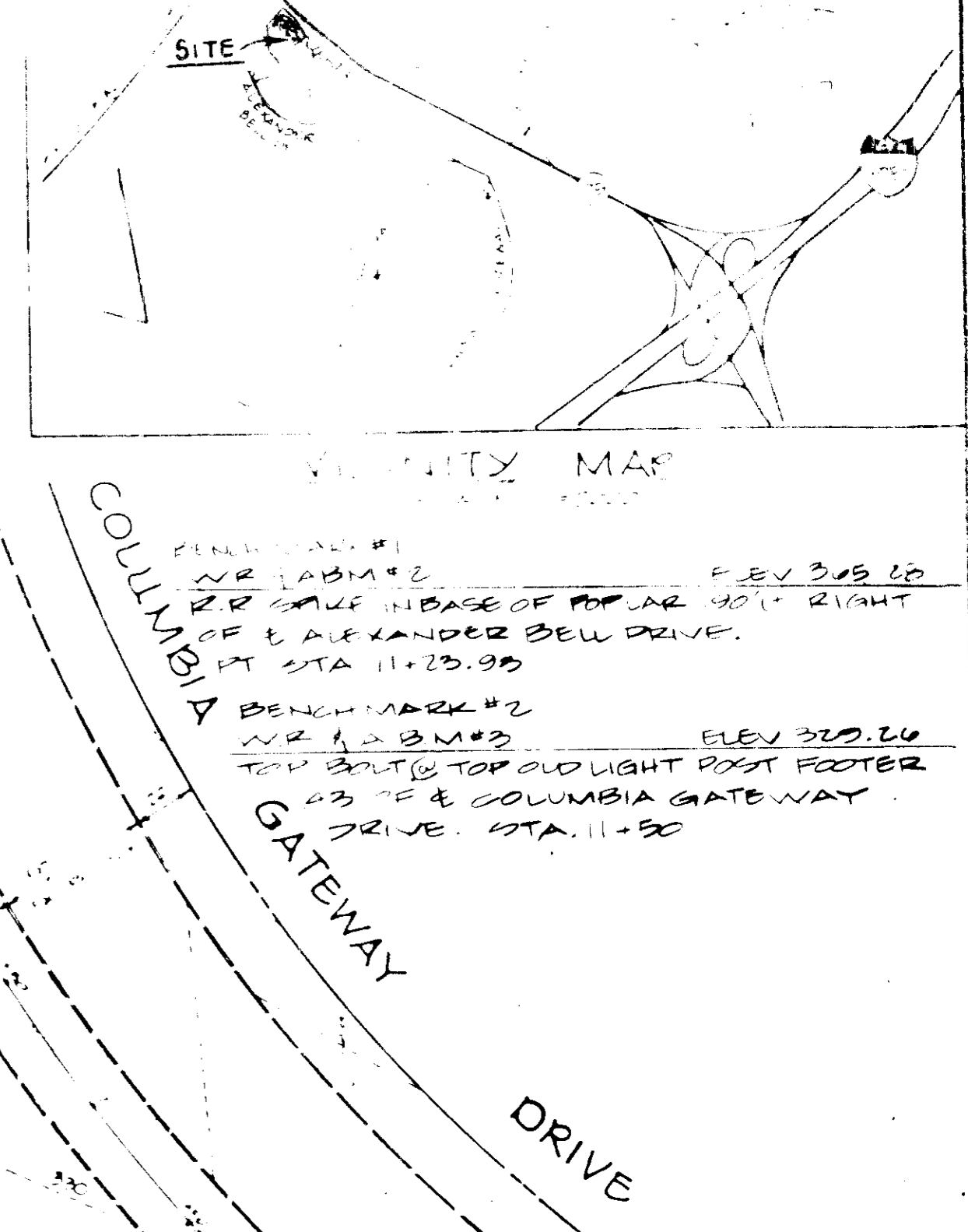
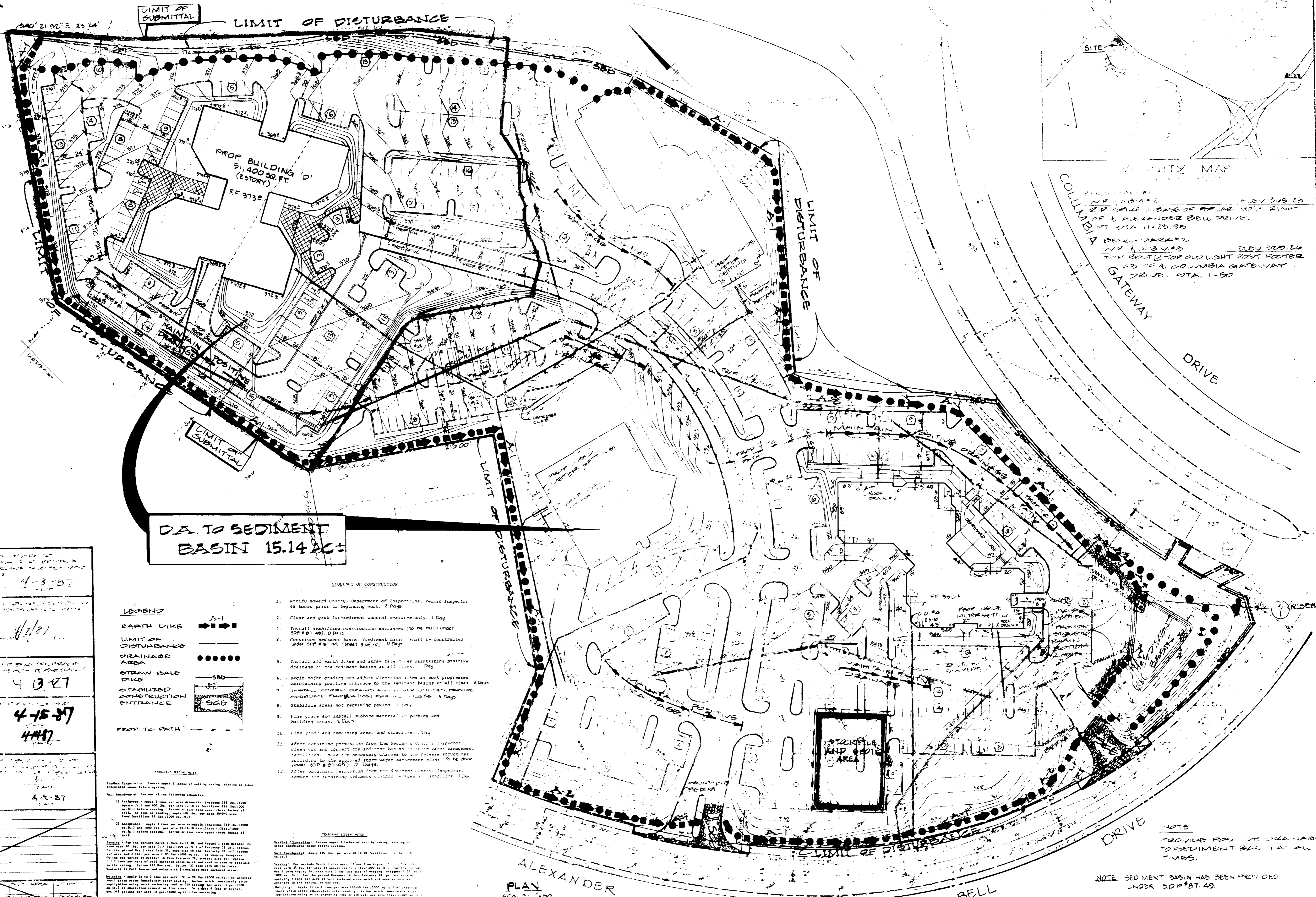
CONTRACT PURCHASER
THE HOWARD RESEARCH & DEVELOPMENT CORP.
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044
(301) 412-6222
CONTRACT PURCHASER
MOR XILX PARTNERSHIP
60 MANEIN CORPORATION
10270 OLD COLUMBIA RD
COLUMBIA, MARYLAND 21046
(301) 415-6107

DEVELOPER'S CERTIFICATE
I CERTIFY THAT THE DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ALL RESPONSIBLE PERSONNEL EMPLOYED IN THE CONSTRUCTION OF THIS PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AS A DEPT. OF NATURAL RESOURCES APPROVED PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION. BEFORE BEGINNING THE PROJECT I ALSO AUTHORIZED EMPLOYING ALL-SITE INSPECTOR BY THE HOWARD SOIL CONSERVATION DISTRICT AND THESE AUTHORIZED AGENTS AS ARE PROVIDED NECESSARY DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE CIVIL FACILITY WITHIN 90 DAYS OF COMPLETION.
DATE: 2-24-87
J. H. NECKERSKI, JR. DIR. OF ENGRS.

DESIGNED BY: KLB
DRAWN BY: KLB
CHECKED BY: KLB
REVISIONS:

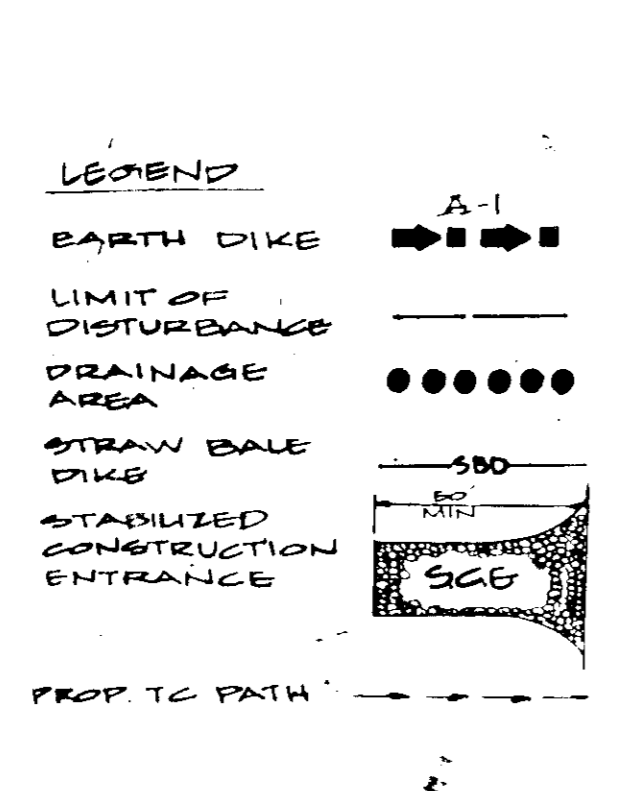
PROFILES AND DETAILS
REVISED RESEARCH & DEVELOPMENT OFFICE PARK
(BULBENA RD)
COLUMBIA GATEWAY
PARCEL 'O'
TAX MAP # 42443
HOWARD COUNTY, MARYLAND ELECTION DISTRICT # 2
SCALE: AS SHOWN
FEB. 24, 1987
SHEET 2 OF 4
SDP-87-160

- SEDDIMENT CONTROL NOTES**
- A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (892-1637).
 - All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within a 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, 14 days on all other disturbed or graded areas on the project site.
 - All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 13, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 - All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, for permanent control (Sec. 13) and (Sec. 14), temporary seeding (Sec. 15) and mulching (Sec. 17). Temporary stabilization with which alone can only be done when recommended seeding rates do not allow for proper retention and establishment of grasses.
 - All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
 - Site Analysis:
 Total Area of Site: 10.12 acres
 Area to be disturbed: 8.00 acres
 Area to be vegetatively stabilized: 2.12 acres
 Total Sediment: 10.12 cu. yds.
 Total Sediment: 10.12 cu. yds.
 Office of the Sediment Control Inspector
 - Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 - Additional sediment controls must be provided, if deemed necessary by the Howard County Storm Sediment Control Inspector.



3-31-87
 [Signature]

APPROVED FOR THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS [Signature] 4-8-87
APPROVED FOR THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS [Signature] 4-15-87
APPROVED FOR THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS [Signature] 4-8-87



- SEQUENCE OF CONSTRUCTION**
- Notify Howard County, Department of Inspections, Permit Inspector 48 hours prior to beginning work. 2 Days
 - Clear and grub for sediment control measures only. 1 Day
 - Install stabilized construction entrances (to be built under SDP # 87-49) 0 Days
 - Construct sediment basin (sediment basin shall be constructed under SDP # 87-49. 0 Day)
 - Install all earth dikes and straw bale dikes maintaining positive drainage to the sediment basins at all times. 1 Day
 - Begin major grading and adjust diversion lines as work progresses maintaining positive drainage to the sediment basins at all times. 4 Days
 - Install sediment control structures (to be built under SDP # 87-49) 0 Days
 - Stabilize areas not receiving paving. 1 Day
 - Final grade and install subbase material on parking and building areas. 2 Days
 - Final grade any remaining areas and stabilize. 1 Day
 - After obtaining permission from the Sediment Control Inspector, clean up and convert the sediment basins to storm water management facilities. Have the necessary changes to the drainage structures according to the approved storm water management plans to be done under SDP # 87-49. 0 Days
 - After obtaining permission from the Sediment Control Inspector, remove the remaining sediment control structures and stabilize. 1 Day

STANDARD SEEDING NOTES

Seeding: For the purpose of this plan, the seed shall be of the following varieties:

- Perennial Ryegrass: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Annual Ryegrass: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Timothy: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Orchard Grass: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Red Top: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- White Clover: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Alsike Clover: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Crabgrass: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Smooth Stalked Panicum: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Common Broomrape: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Common Nutsedge: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Common Spurge: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Common Yarrow: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Common Groundsage: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Common Ragwort: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Common Stinkwort: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Common Sunflower: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Common Verbena: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Common Yarrow: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.
- Common Yarrow: 100 lbs per acre (1000 lbs per 1000 sq ft) of seed.

PLAN SCALE 1/8" = 1'-0"

NOTE: PROVIDE POSITIVE DRAINAGE TO SEDIMENT BASIN AT ALL TIMES.
 NOTE: SEDIMENT BASIN HAS BEEN PROVIDED UNDER SDP # 87-49.

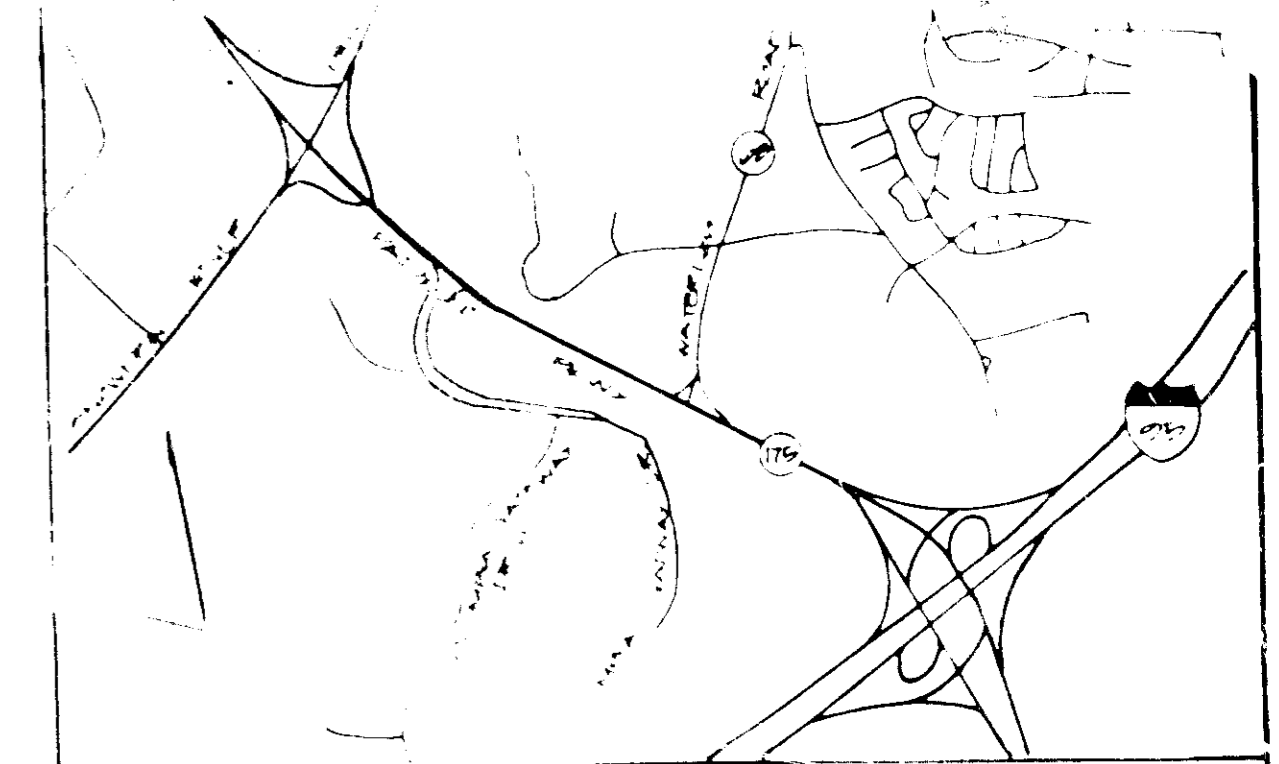
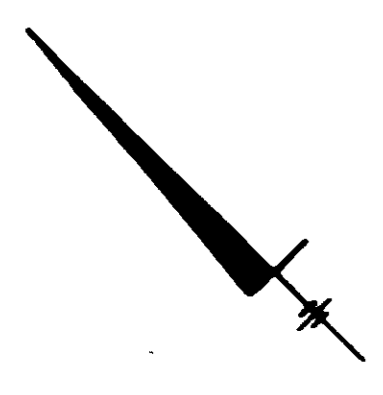
GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 303 ALLEGHENY AVENUE
 TOWSON, MARYLAND 21284
 (301) 252-9120

SEDDIMENT CONTROL PLAN
 REVISED PERMITS & DEVELOPMENT DIVISION
 (BOLIND 87)
 COLUMBIA GATEWAY
 PARCEL 'C'
 TAK MAP # 42-43
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT # 2
 SCALE: AS SHOWN FEB 24, 1987
 PN 2000A SHEET 3 OF 4

THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS HAS REVIEWED THIS PLAN AND HAS DETERMINED THAT IT COMPLIES WITH THE REQUIREMENTS OF THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS. THIS PLAN IS SUBJECT TO THE REQUIREMENTS OF THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS. ANY CHANGES TO THIS PLAN MUST BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS.

PERMITTED BY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS. THIS PLAN IS SUBJECT TO THE REQUIREMENTS OF THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS. ANY CHANGES TO THIS PLAN MUST BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS.

SDP-87-160



VICINITY MAP
SCALE: 1" = 100'

3-31-87
HMM

THESE PLANS HAVE BEEN REVIEWED FOR THE PROPOSED SOIL CONSERVATION SYSTEMS IN ACCORDANCE WITH THE TECHNICAL REQUIREMENTS OF THE SOIL CONSERVATION SERVICE AND THE SOIL CONSERVATION DISTRICT.

US SOIL CONSERVATION SERVICE DATE

THESE PLANS FOR SMALL FLOOD PROTECTION SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF FEDERAL SOIL CONSERVATION DISTRICT.

APPROVED FOR SOIL CONSERVATION DISTRICT DATE

PLAN NUMBER

APPROVED FOR PUBLIC WATER AND PUBLIC COVERAGE SYSTEMS HANOVER COUNTY HEALTH DEPARTMENT DATE 4-13-87

APPROVED HANOVER COUNTY OFFICE OF PLANNING AND ZONING DATE 4-15-87

CHIEF ENGINEER OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE 4-14-87

APPROVED FOR PUBLIC WATER AND PUBLIC COVERAGE SYSTEMS HANOVER COUNTY HEALTH DEPARTMENT DATE 4-13-87

APPROVED FOR PUBLIC WATER AND PUBLIC COVERAGE SYSTEMS HANOVER COUNTY HEALTH DEPARTMENT DATE 4-13-87

ADDRESS SHEET

STREET ADDRESS

DATE

DATE

GW&S
GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 303 ALLEGHENY AVENUE
 TOWSON, MARYLAND 21284
 (301) 625-8200

KEY	PLANT NAME	SIZE	QTY	REMARKS
⊕	TELLOVA 'VILLAGE GREEN'	24-30" CAL. 12-14" HT.	73	BMS HEAVY
⊕	ACER RUBRUM 'RED SUNSET'		69	
⊕	ACER PLATANOIDES 'GRIMSON KING'		13	
⊕	FRAXINUS P.L. 'SUMMIT'		68	
⊕	GALIX BABYLONICA		4	
⊕	GOPHORA JAPONICA 'REGENT'		26	
⊕	PRUNUS S. 'KVANZAN' 'KVANZAN CHERRY'	24-30" CAL. 8-10" HT.	28	
⊕	PRUNUS YEDDENSI 'YOSHINO CHERRY'		28	
⊕	PYRUS CALLERIANA 'BRADFORD'		8	
⊕	CORNUS KOUSA 'KOUSA HAZELWOOD'		10	HARLOW UPRIGHT
⊕	AMELANCHIER CANADENSIS 'SINGE STEM'		22	
⊕	CRATAEGUS PHAENOPYRUM 'WASH HANDBORN'		20	
⊕	KOELREUTERIA PANICULATA 'GOLDEN RAIN T.'		14	
⊕	PIRUS STROBUS 'WHITE PINE'	6-8" HT.	13	
⊕	PIRUS THUNBERGI 'JAPANESE B PINE'		49	
⊕	PIRUS NIGRA 'AUSTRIAN PINE'		26	
⊕	TSUGA CANADENSIS 'CANADIAN HEMLOCK'		4	
⊕	CEDRUS DEODARA 'INDIAN CEDAR'		16	

ALL PLANTING TO BE IN ACCORD WITH 1RD COLUMBIA SPECS.
CALL MISS UTILITY BEFORE DIGGING.

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THE PLANS FOR SOIL CONSERVATION SYSTEMS AND SOIL CONSERVATION DISTRICT HAVE BEEN REVIEWED AND APPROVED IN ACCORDANCE WITH THE TECHNICAL REQUIREMENTS OF THE SOIL CONSERVATION DISTRICT AND THE SOIL CONSERVATION SERVICE.
 GEORGE WILLIAM STEPHENS, JR.
 CIVIL ENGINEER
 DATE 3/24/87

THESE PLANS WERE REVIEWED AND APPROVED BY THE HANOVER COUNTY OFFICE OF PLANNING AND ZONING ON 4-15-87.
 HANOVER COUNTY OFFICE OF PLANNING AND ZONING
 DATE 4-15-87

I CERTIFY THAT ALL PROVISIONS AND CONDITIONS OF THE SUBMITTAL AGREEMENT HAVE BEEN REVIEWED AND APPROVED IN ACCORDANCE WITH THE TECHNICAL REQUIREMENTS OF THE SOIL CONSERVATION DISTRICT AND THE SOIL CONSERVATION SERVICE.
 GEORGE WILLIAM STEPHENS, JR.
 CIVIL ENGINEER
 DATE 3-24-87

REVISOR'S CERTIFICATE
 I CERTIFY THAT ALL PROVISIONS AND CONDITIONS OF THE SUBMITTAL AGREEMENT HAVE BEEN REVIEWED AND APPROVED IN ACCORDANCE WITH THE TECHNICAL REQUIREMENTS OF THE SOIL CONSERVATION DISTRICT AND THE SOIL CONSERVATION SERVICE.
 GEORGE WILLIAM STEPHENS, JR.
 CIVIL ENGINEER
 DATE 3-24-87

2-22-87 REVISED BUILDING 'D' AREA
 REVISED 10-2-86 MINOR PARKING LOT SHIFTS & GRADING

LANDSCAPE PLANTING PLAN
 REVISED RESEARCH & DEVELOPMENT TITLE PARK (BUILDING 'D')
 COLUMBIA GATEWAY
 LOT 1B
 HANOVER COUNTY, MARYLAND
 SCALE: AS SHOWN
 PN 0200

DATE 3-24-87
 FILED IN 100-1-87
 100-1-87
 100-1-87

SDP-87-160