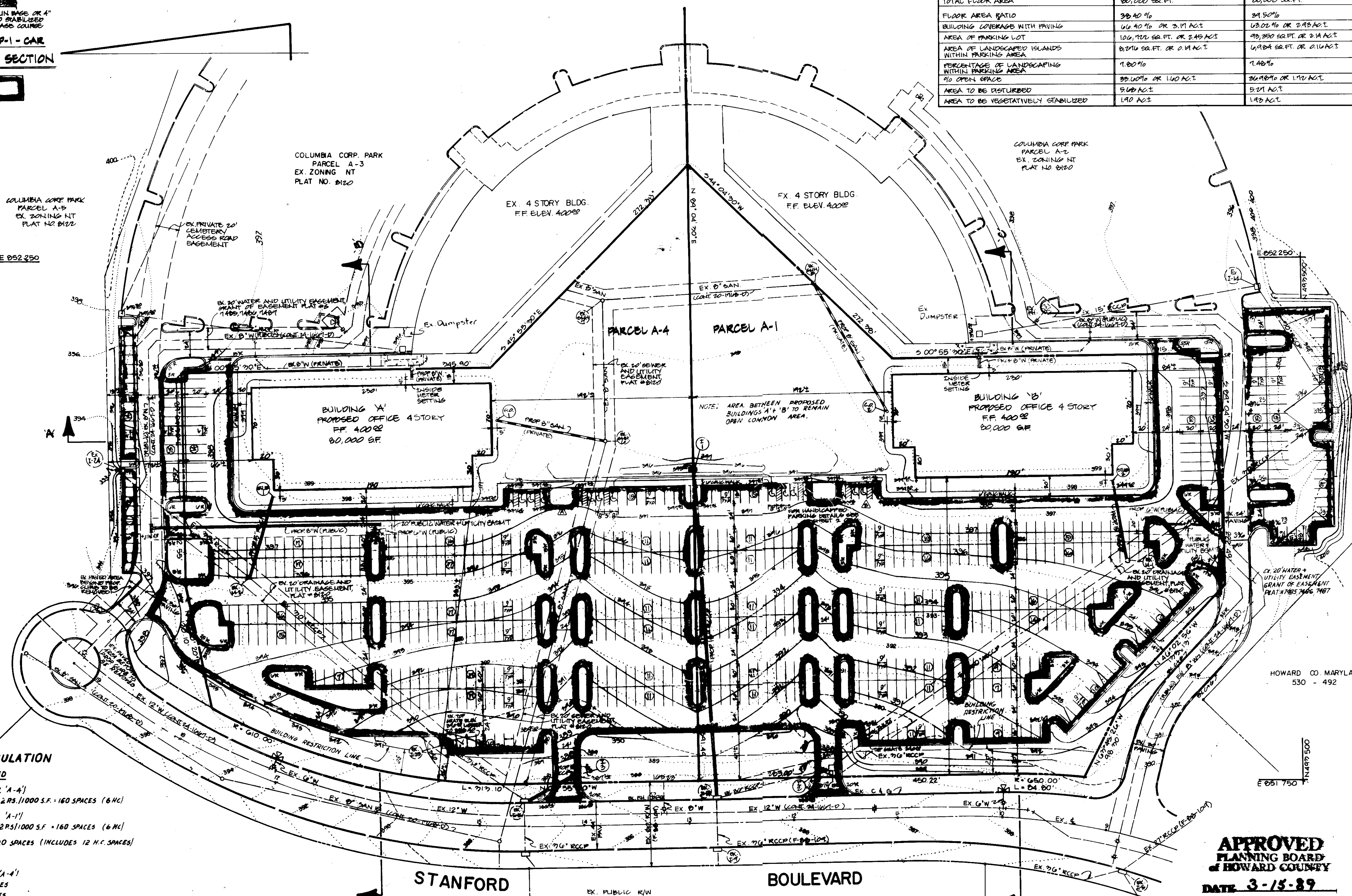
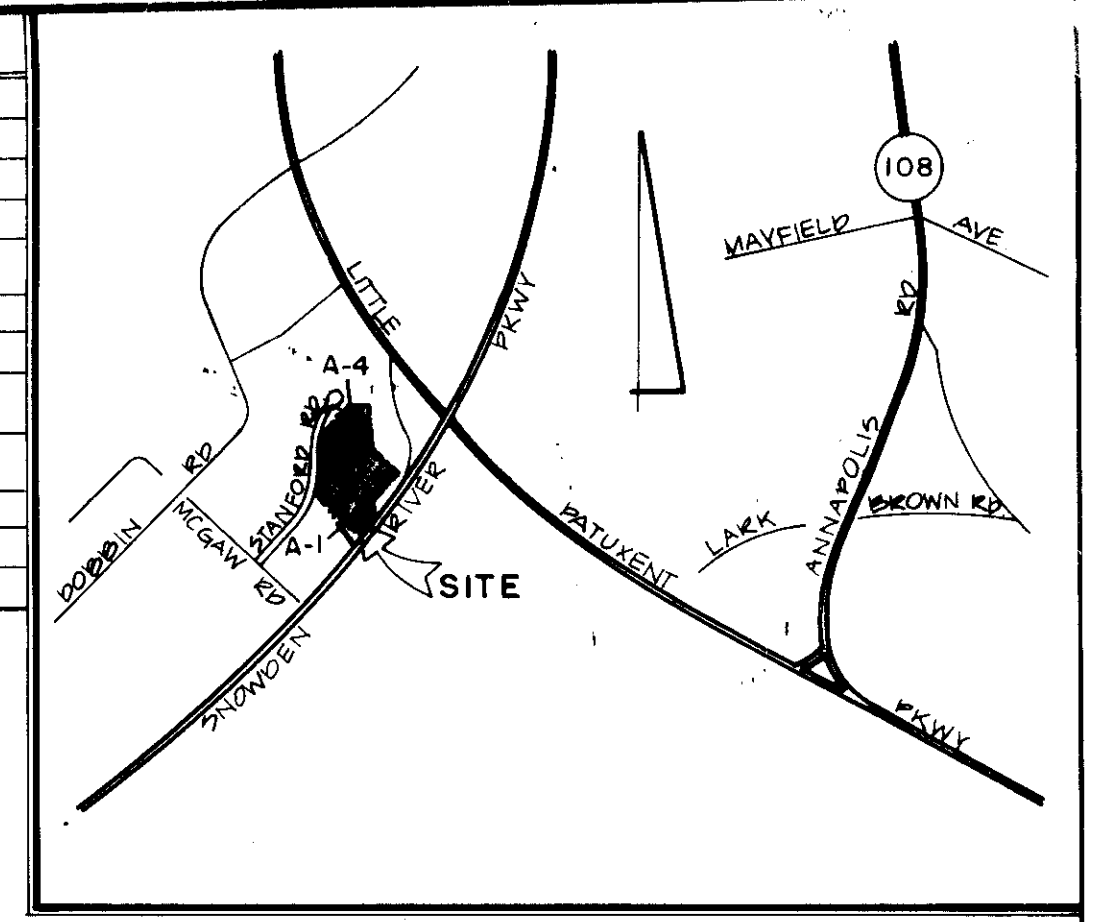


SITE DATA	PARCEL 'A-1'	PARCEL 'A-4'
TOTAL AREA	207,914 SQ. FT. OR 4.746 AC.	208,910 SQ. FT. OR 4.746 AC.
EXISTING USE	VACANT	VACANT
PROPOSED USE	OFFICE	OFFICE
TOTAL FLOOR AREA	80,000 SQ. FT.	80,000 SQ. FT.
FLOOR AREA RATIO	38.42 %	38.42 %
BUILDING COVERAGE WITH PAVING	16.42 % OR 3.17 AC.	16.42 % OR 3.17 AC.
AREA OF PARKING LOT	106,112 SQ. FT. OR 2.43 AC.	106,112 SQ. FT. OR 2.43 AC.
AREA OF LANDSCAPED ISLANDS WITHIN PARKING AREA	8,714 SQ. FT. OR 0.19 AC.	8,714 SQ. FT. OR 0.19 AC.
PERCENTAGE OF LANDSCAPING WITHIN PARKING AREA	1.80 %	1.80 %
% OF OPEN SPACE	50.10 % OR 1.02 AC.	50.10 % OR 1.02 AC.
AREA TO BE DISTURBED	5.14 AC.	5.21 AC.
AREA TO BE VEGETATIVELY STABILIZED	1.40 AC.	1.43 AC.



PARKING TABULATION

PARKING REQUIRED

BUILDING A (PARCEL A-A)
OFFICE - 80,000 S.F. 2.43/1,000 S.F. = 160 SPACES (6 HC)

BUILDING B (PARCEL A-1)
OFFICE - 80,000 S.F. 2.43/1,000 S.F. = 160 SPACES (6 HC)

TOTAL REQUIRED = 320 SPACES (INCLUDES 12 H.C. SPACES)

PARKING PROVIDED

BUILDING A (PARCEL A-A)
ONSITE = 278 SPACES
OFFSITE = 36 SPACES
TOTAL = 314 SPACES (INCLUDES 8 HC)

BUILDING B (PARCEL A-1)
ONSITE = 304 SPACES
OFFSITE = 57 SPACES
TOTAL = 361 SPACES (INCLUDES 16 HC)

TOTAL PROVIDED = 675 SPACES (INCLUDES 16 HC)

PLAN
SCALE: 1" = 50'

NOTE: STORMWATER MANAGEMENT FOR THIS SITE HAS BEEN PROVIDED FOR ON PARCEL A-7 SEE F-88-109

APPROVED PLANNING BOARD OF HOWARD COUNTY
DATE 3-15-89

APPROVED
FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
DATE: 2/6/90
DIRECTOR: [Signature]
CHIEF BUREAU OF ENGINEERING: [Signature]

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED: [Signature] DATE: 7/2/89
HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
SIGNATURE: [Signature] DATE: 7/7/89
UNITED STATES SOIL CONSERVATION SERVICE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT.
COUNTY HEALTH OFFICER: [Signature] DATE: 2-11-90
APPROVED: [Signature] DATE: 3-15-90
DIRECTOR: [Signature] DATE: 3/4/90
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

PARCEL	STREET ADDRESS	ADDRESS CHART
A-1	8850 STALLFORD BOULEVARD	
A-4	6810 STANFORD BOULEVARD	

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
COLUMBIA CORPORATE PARK	1 1	A-1 AND A-4
PLAT # OR LOT #	BLOCK # ZONE	TAX/ZONE MAP
8822	24 NT	30
WATER CODE	E 06	SEWER CODE 339000

LEGEND

TRACT OUTLINE
EX. GROUND
PROP. GRADE
NUMBER PARKING SPACES
HANDICAP PARKING

FOR GENERAL NOTES SEE SHEET 2 OF 6

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
303 ALLEGHENY AVENUE
TOWSON, MARYLAND 21204
(301) 825-8120

ENGINEER'S CERTIFICATE:
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER: [Signature]
REG. NO. [Number] DATE: [Date]

DEVELOPER
COLUMBIA CORPORATE PARK ASSOCIATES
C/O MCGILL DEVELOPMENT COMPANY
6430 DOBBIN ROAD
COLUMBIA, MARYLAND 21045

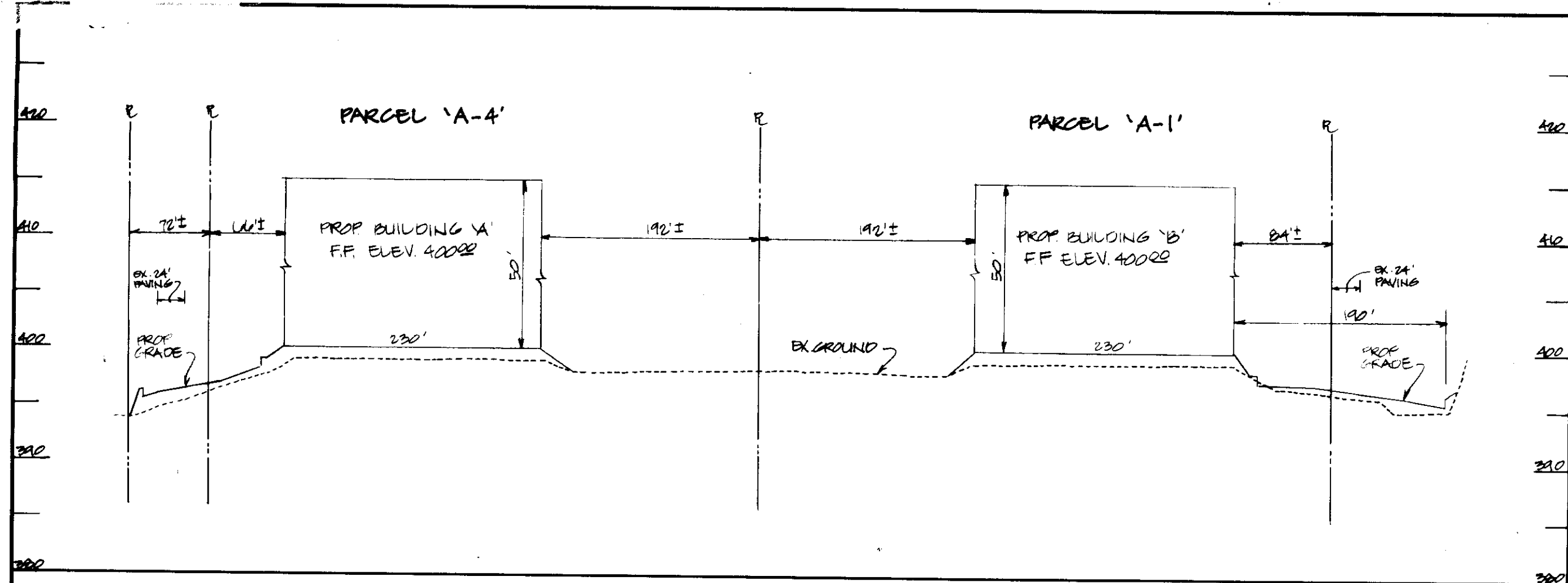
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DEVELOPER: [Signature] DATE: 1-30-89

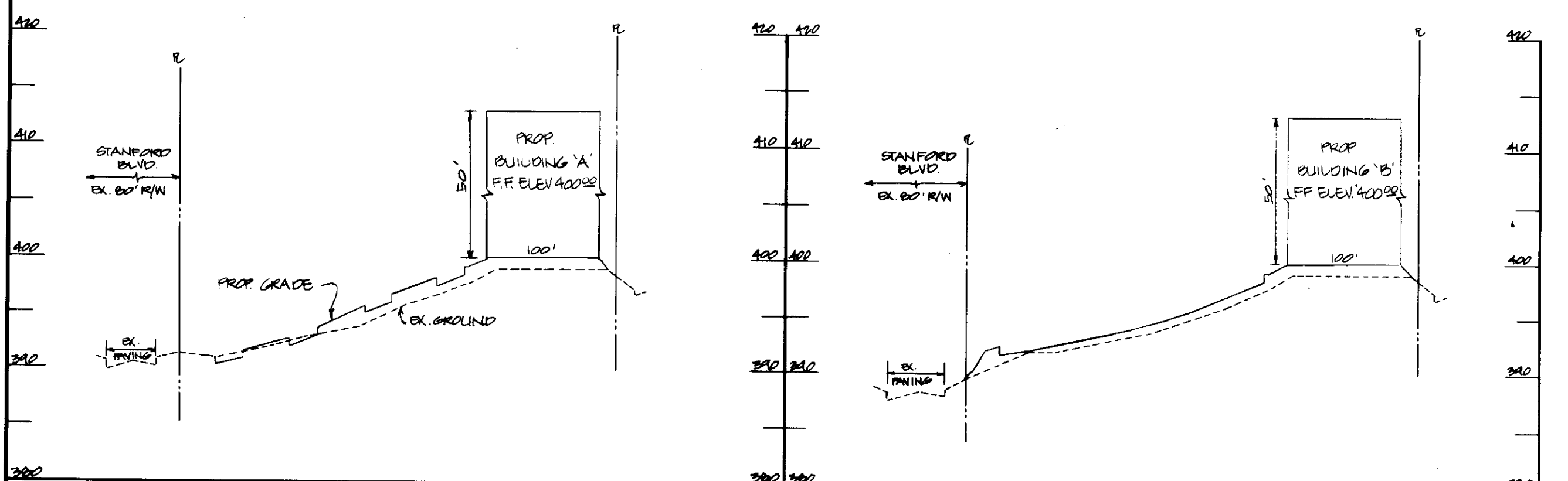
SITE PLAN FOR COLUMBIA CORPORATE PARK SIELING INDUSTRIAL CENTER SECTION I, AREA I, PARCEL A-1 & A-4 TAX MAP No. 36 PARCEL 356

HOWARD CO. MARYLAND
SCALE AS SHOWN
OPZ FILE NOS. - 5-87-24, FOPZ 17A, P. 81, 43
E. 87-102, 502, 87-193

SHEET 1 OF 6

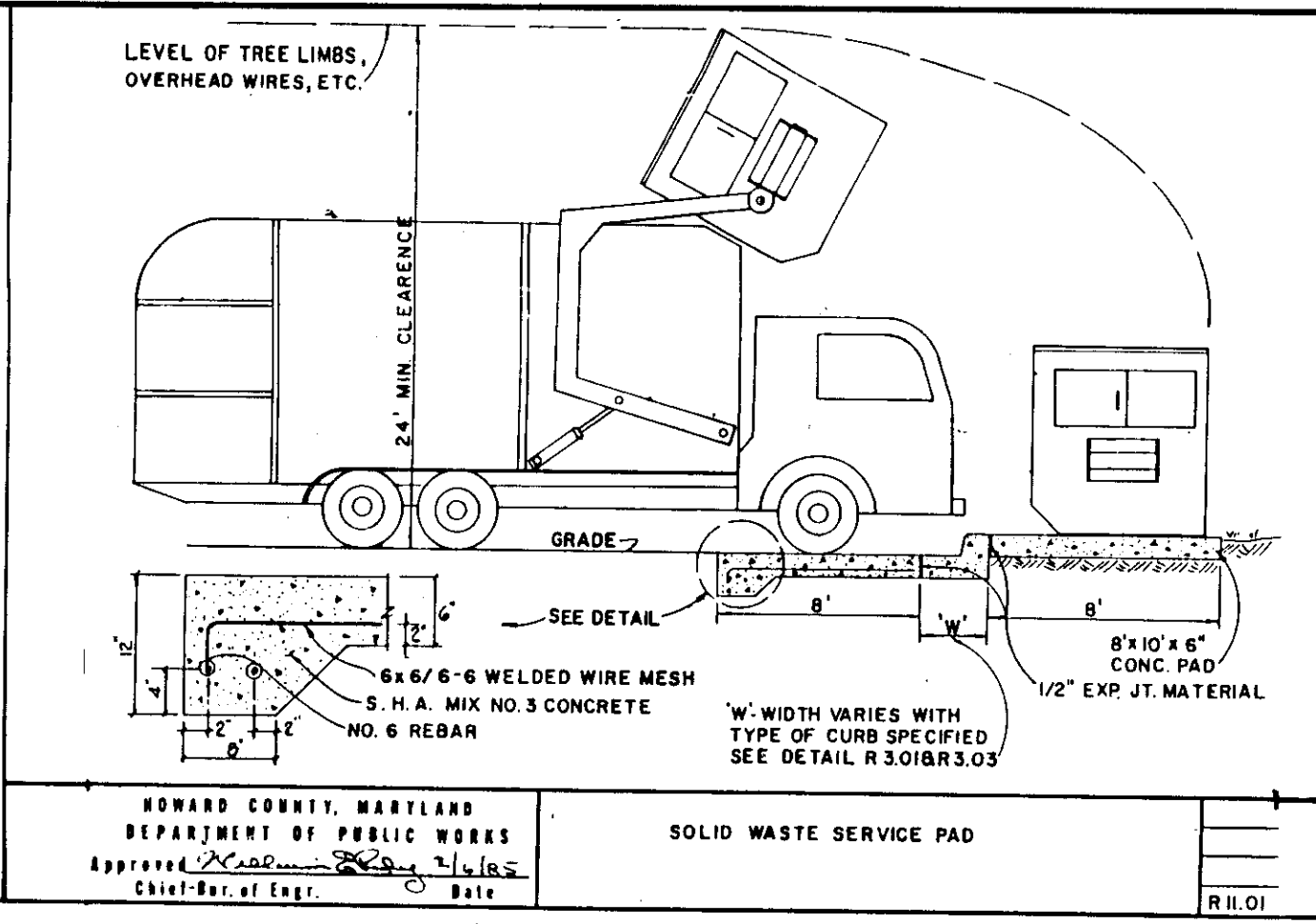


SECTION 'A'-A' SCALE: HORIZ: 1"=100', VERT: 1"=10'



SECTION 'B'-B' SCALE: HORIZ: 1"=100', VERT: 1"=10'

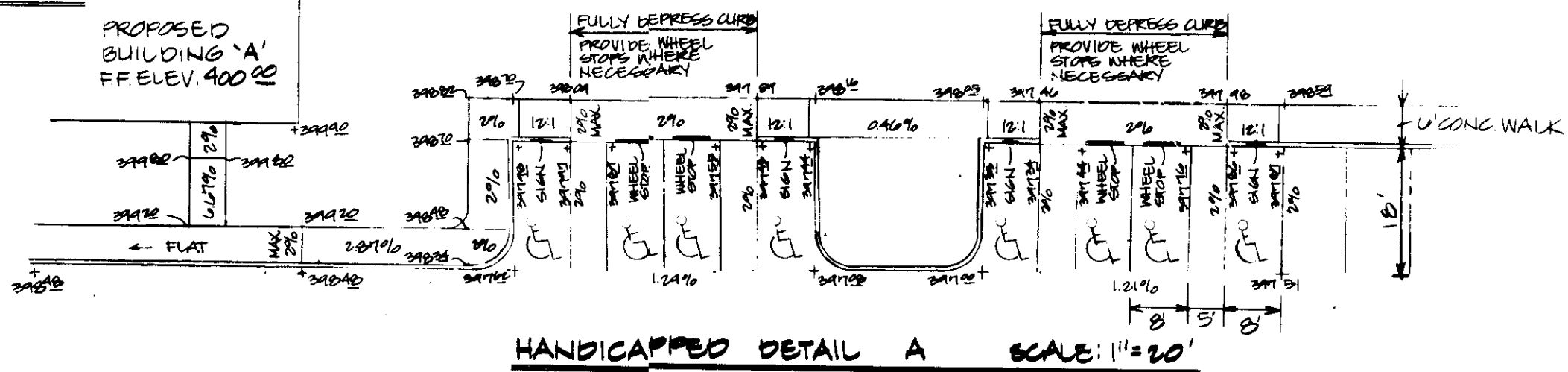
SECTION 'C'-C' SCALE: HORIZ: 1"=100', VERT: 1"=10'



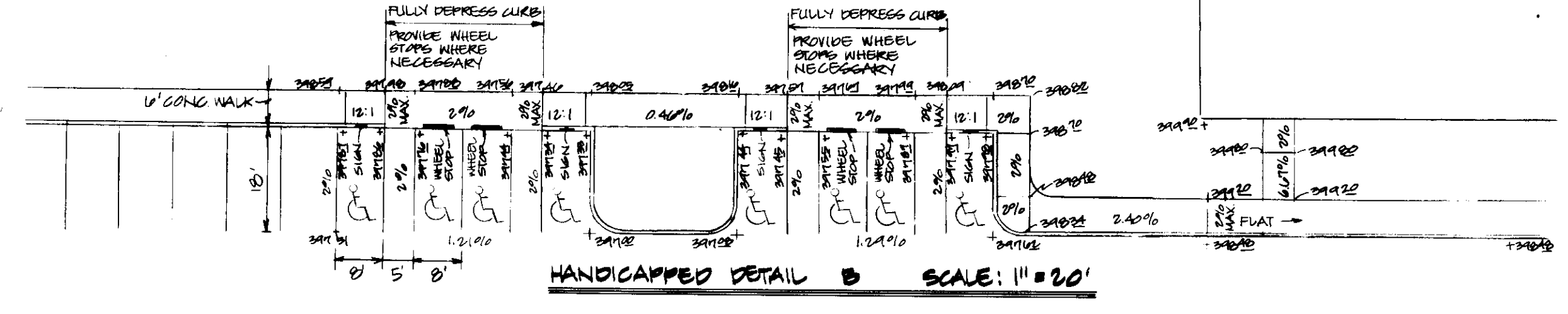
SEE N.T.S. REBAR LAYOUT
SIGN COLORED:
BORDER: WHITE ON RED OR BLUE
BACKGROUND: WHITE
TEXT: WHITE
\$50 FINE

\$50 FINE SHALL BE ASSESSED TO UTILIZE ALL ALUMINUM BLANK 1/4" X 12" X 0.0090 INCH THICK WITH THE SINGLE POST MOUNTING HOLES.
THE TEXT AND BORDER SHALL BE STANDED GREEN TO MATCH THAT ON RT-8 AND THE BACKGROUND SHALL BE REFLECTIVE WHITE TEXT SHALL BE 1/4 INCH CHARACTERS.
SIGN SHALL BE MOUNTED DIRECTLY BELOW THE STANDED RT-8 RESERVED PARKING FOR HANDICAPPED SIGN. ITS BOTTOM EDGE SHALL BE NO LESS THAN 7 FEET ABOVE GROUND. IF THE SIGN IS PLACED AGAINST A BUILDING, STRUCTURE, OR OTHER LOCATION WHICH VEHICLES OR PEDESTRIAN TRAFFIC IS NOT OBSTRUCTED, THE BOTTOM EDGE OF THE SIGN SHALL BE AT LEAST 6 FEET BUT NOT MORE THAN 10 FEET ABOVE GROUND.

- GENERAL NOTES:**
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, OR AS SHOWN ON THESE PLANS.
 - ALL AREAS NOT BEING MAINTAINED OR RECEIVING BUILDING COVERAGE SHALL BE STABILIZED IN ACCORDANCE WITH THE PLANS APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT.
 - ANY DAMAGE TO PUBLIC RIGHT-OF-WAY AND/OR ADJACENT PROPERTIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
 - THE CONTRACTOR SHALL MAINTAIN AT LEAST 2' LEVEL BENCH BEHIND ALL CURBS AND GUTTERS.
 - THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES TO HIS OWN SATISFACTION BEFORE STARTING CONSTRUCTION.
 - ALL SLOPES SHALL BE 2:1 OR FLATTER.
 - THE CONTRACTOR SHALL NOTIFY THE CP P TELEPHONE CO AND THE GAS AND ELECTRIC COMPANY FIVE DAYS PRIOR TO STARTING WORK SHOWN ON THESE PLANS BY CALLING "MISS UTILITY" CALL COLLECT 1-599-0100.
 - FOR DETAILS OF RAINS AND SIGNS FOR THE HANDICAPPED SEE THE MARYLAND BUILDING CODE FOR THE HANDICAPPED AND AGED AND AS SHOWN HEREON.
 - THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 35' COVER OVER ALL PROPOSED WATER LINES, UNLESS OTHERWISE NOTED ON THE PLAN.
 - THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 442-5411 OR 742-7474.
 - THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVING, CURBS AND GUTTERS, ETC. THAT MAY INTERFERE WITH PROPOSED CONSTRUCTION.
 - ALL UTILITIES INSTALLED UNDER PAVING SHALL RECEIVE FULL TRENCH PROTECTION.
 - ALL WATER MAIN TEES, BENDS, CAMS, ETC. SHALL BE BUTTRESSED IN ACCORDANCE WITH HOWARD COUNTY DESIGN REQUIREMENTS.
 - CONTRACTOR TO PROVIDE "AS-BUILT" LOCATION AT WATER MAIN IF THERE IS ANY DEVIATION FROM THE PLAN LOCATION.
 - ALL CURB & GUTTER SHALL BE HOWARD COUNTY STD COMBINATION CONCRETE CURB & GUTTER.



HANDICAPPED DETAIL A SCALE: 1"=20'



HANDICAPPED DETAIL B SCALE: 1"=20'

APPROVED
OF HOWARD COUNTY
DATE: _____

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 3-15-89

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

SIGNATURE: *James M. Fisher* DATE: 7/2/89
UNITED STATES SOIL CONSERVATION SERVICE

APPROVED: *James M. Fisher* DATE: 7/1/89
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT.

James M. Fisher DATE: 2-11-90
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPT OF PLANNING & ZONING.

W. J. ... DATE: 3.15.90
DIRECTOR

Mark V. ... DATE: 9/2/90
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

James M. Fisher DATE: 2/6/90
DIRECTOR

W. J. ... DATE: 2-6-90
CHIEF BUREAU OF ENGINEERING

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
303 ALLEGHENY AVENUE
TOWSON, MARYLAND 21204
(301) 825-8120

ENGINEER'S CERTIFICATE:
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ENGINEER: *George W. Stephens, Jr.*
REG. NO. 1232 DATE: 3/15/89

DEVELOPER
COLUMBIA CORPORATE PARK ASSOCIATES
C/O MCGILL DEVELOPMENT COMPANY
6430 DOBBIN ROAD
COLUMBIA, MARYLAND 21045

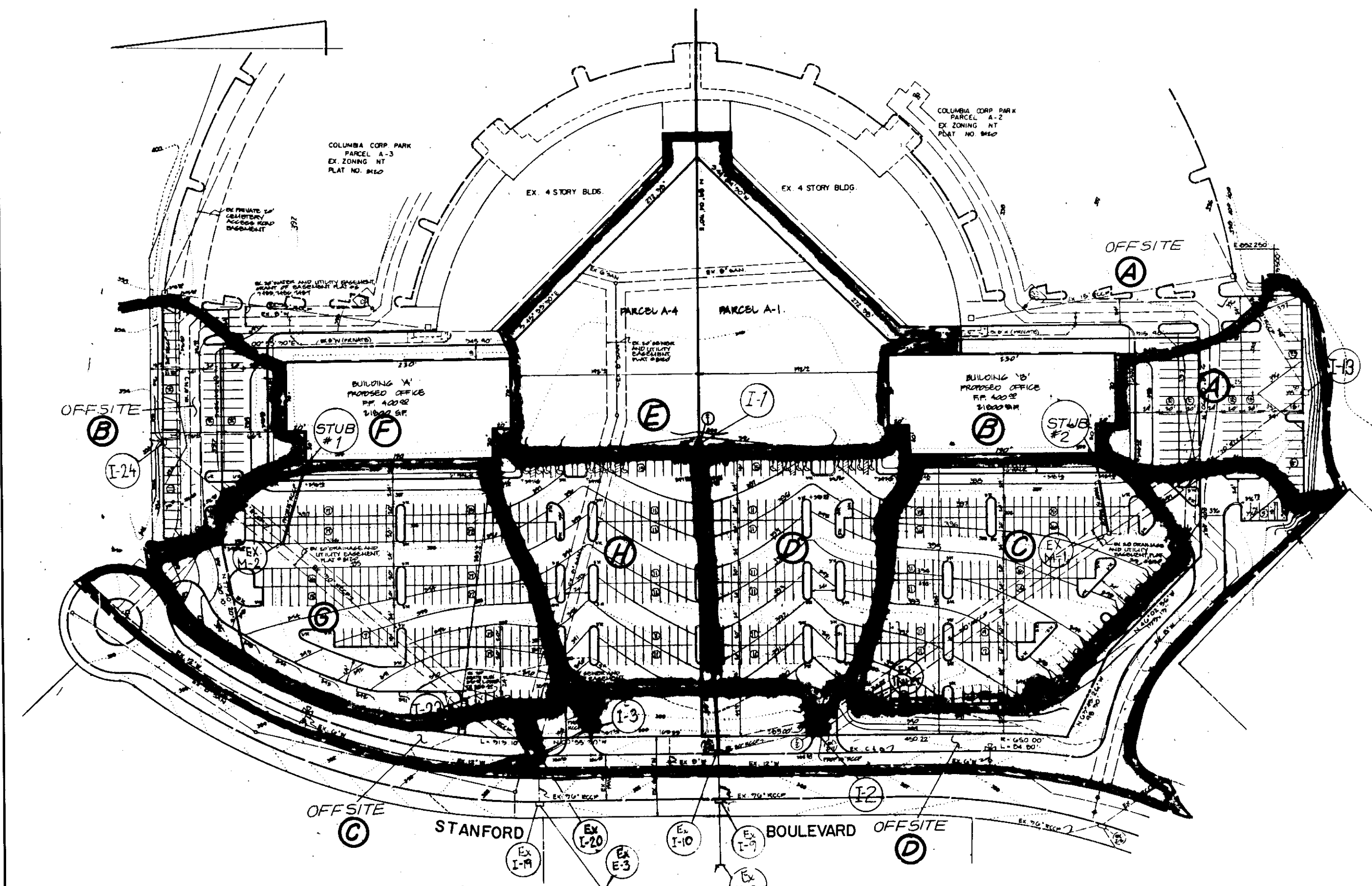
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DEVELOPER: *George W. Stephens, Jr.* DATE: 1-30-89

DESIGNED: *George W. Stephens, Jr.*
DRAWN: *George W. Stephens, Jr.*
CHECKED: *George W. Stephens, Jr.*
DATE: 2/15/89

COLUMBIA CORPORATE PARK
SEILING INDUSTRIAL CENTER
SECTION 1, AREA 1, PARCEL A-11-A-4
TAX MAP No. 36 PARCEL 356
HOWARD CO. MARYLAND ELECTION DIST. No. 6
SCALE AS SHOWN SHEET 2 OF 4

AREA	ACREAGE	"C" FACTOR
A	0.81	0.77
B	0.50	0.95
C	1.47	0.88
D	1.06	0.89
E	2.16	0.60
F	0.50	0.95
G	1.86	0.82
H	1.00	0.89



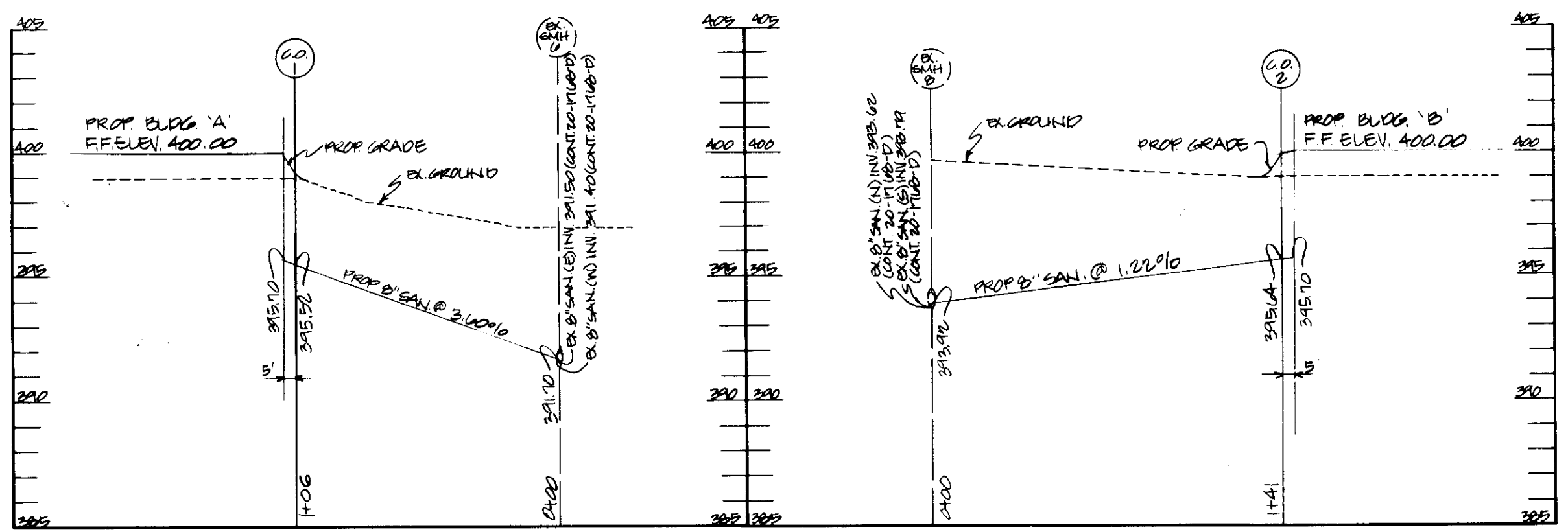
DRAINAGE AREA MAP
SCALE: 1" = 100'

NO	TYPE	ELEVATION	
		TOP	INVERT
I-1	DOUBLE S	385.00	380.00
I-2	DOUBLE S COMB	387.00	379.30
I-3	DOUBLE S COMB	387.86	381.00

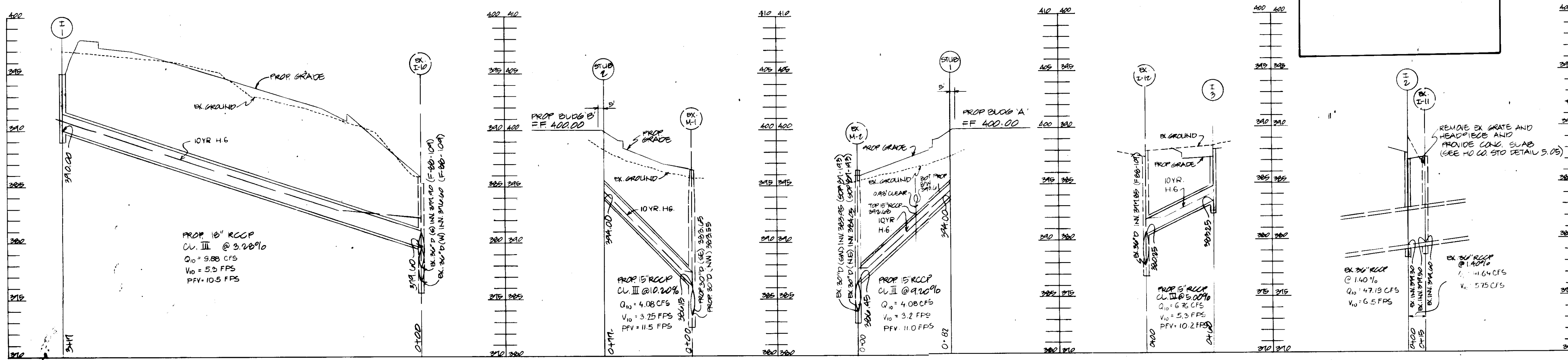
* DENOTES TOP OF CURB ELEV.

INLET SCHEDULE

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 3-15-89
J.A.



SANITARY SEWER PROFILE SCALE: HORIZ: 1"=50', VERT.: 1"=5'



STORM DRAIN PROFILE SCALE: HORIZ: 1"=50', VERT.: 1"=5'

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

SIGNATURE: *James M. Kelly* DATE: 7/7/89
UNIFIED STATES SOIL CONSERVATION SERVICE

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

APPROVED: *Shirley A. White* DATE: 7/7/89
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT.

Joselyn Boyd DATE: 2-11-90
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPT OF PLANNING & ZONING.

Cheri DATE: 3-15-90
DIRECTOR

David J. Campbell DATE: 2/4/90
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

James G. Chen DATE: 2-6-90
DIRECTOR

McCormack & Reidy DATE: 2-6-90
CHIEF BUREAU OF ENGINEERING

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
303 ALLEGHENY AVENUE
TOWSON, MARYLAND 21204
(301)825-8120

ENGINEER'S CERTIFICATE:
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER: *George W. Stephens, Jr.*
REG. NO. 11111 DATE: 3-15-89

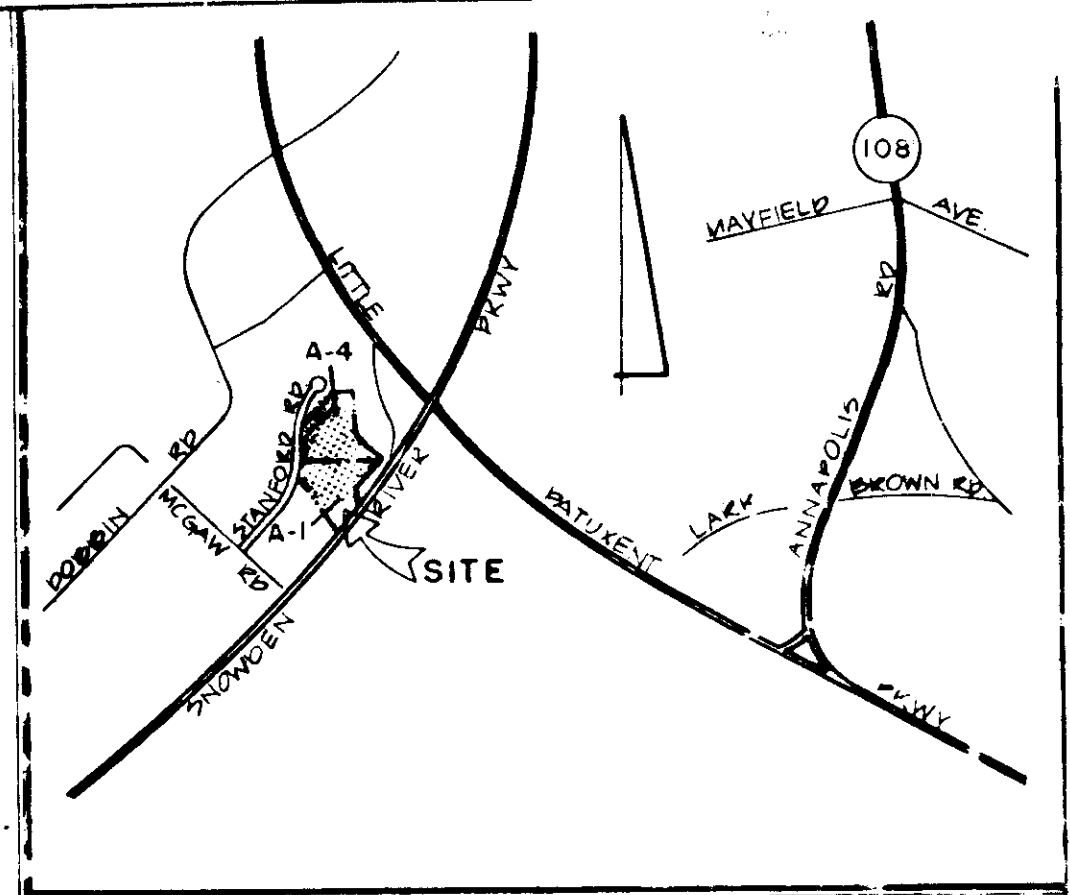
DEVELOPER
COLUMBIA CORPORATE PARK ASSOCIATES
C/O MCGILL DEVELOPMENT COMPANY
6430 DOBBIN ROAD
COLUMBIA, MARYLAND 21045

DEVELOPER'S CERTIFICATE:
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DEVELOPER: *[Signature]* DATE: 1-20-89

DESIGNED: *[Signature]*
DRAWN: *[Signature]*
CHECKED: *[Signature]*
DATE: 3-15-89

COLUMBIA CORPORATE PARK
SIELING INDUSTRIAL CENTER
SECTION I, AREA 1, PARCEL A-11-A-4
TAX MAP No. 36 PARCEL 356
HOWARD CO. MARYLAND ELECTION DIST. No. 6
SCALE AS SHOWN 1988
SHEET 3 OF 6

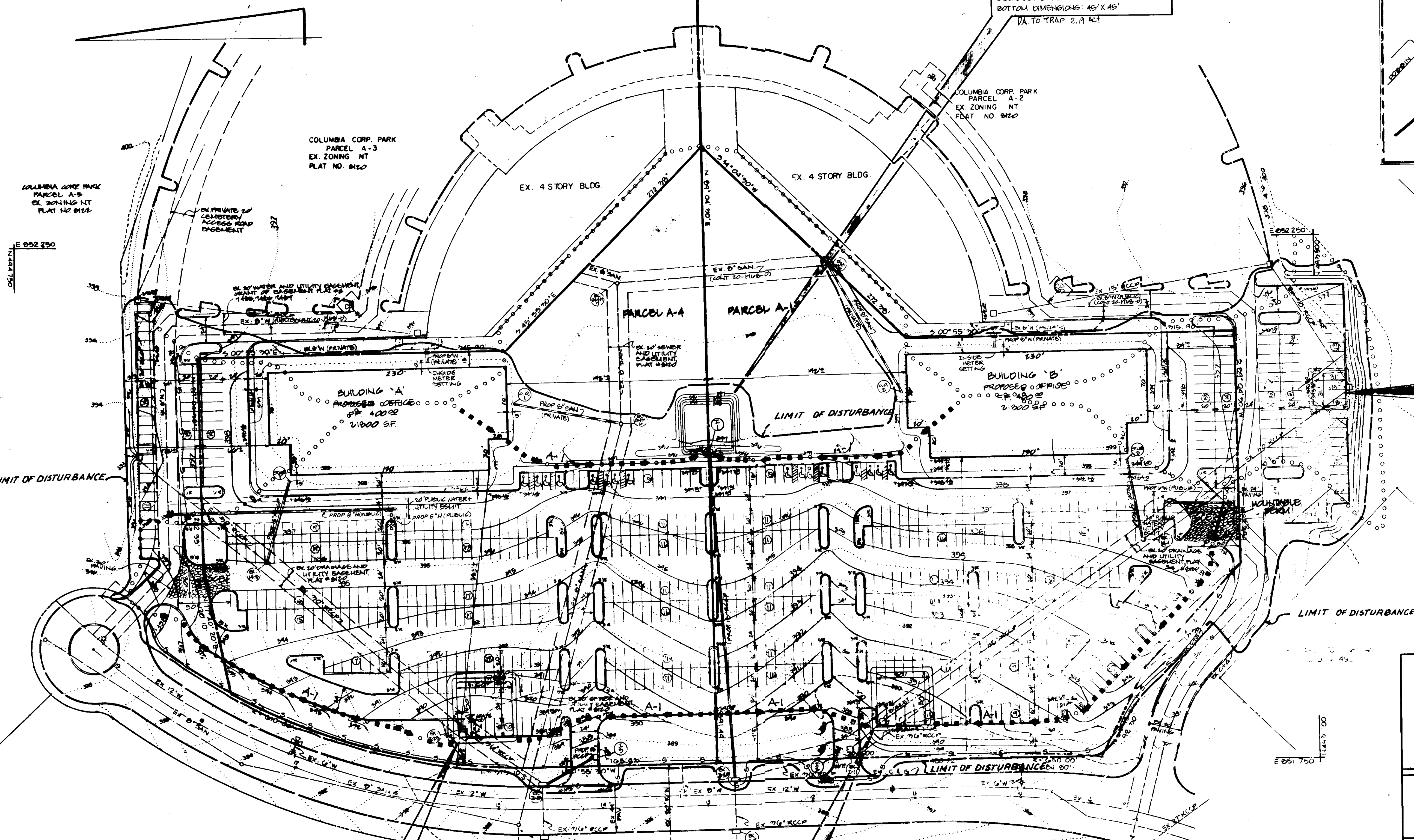


VICINITY MAP
SCALE 1" = 2000'

STORM INLET SEDIMENT TRAP #1
 D.A. TO TRAP 2.19 AC
 STORAGE REQUIRED: 2.19 X 1800 = 3942 C.F.
 STORAGE PROVIDED: 4050 C.F.
 BOTTOM ELEVATION: 395.00
 TOP ELEVATION: 395.00
 CLEANOUT ELEVATION: 394.00
 BOTTOM DIMENSIONS: 45' X 45'
 D.A. TO TRAP 2.19 AC

STORM INLET SEDIMENT TRAP #4
 D.A. TO TRAP 1.04 AC
 STORAGE REQUIRED: 1.04 X 1800 = 1,872 C.F.
 STORAGE PROVIDED: 1,922 C.F.
 BOT. ELEV. 393.50
 TOP ELEV. 395.50
 CLEANOUT ELEV. 394.50
 BOTTOM DIMENSIONS 31' X 31'

APPROVED
 HOWARD COUNTY
 DATE 3-28-89
 JA



COLUMBIA CORP PARK
 PARCEL A-9
 EX. ZONING NT
 PLAT NO. 0422

COLUMBIA CORP PARK
 PARCEL A-3
 EX. ZONING NT
 PLAT NO. 0420

COLUMBIA CORP PARK
 PARCEL A-2
 EX. ZONING NT
 PLAT NO. 0420

COLUMBIA CORP PARK
 PARCEL A-6
 EX. ZONING NT
 PLAT NO. 0421

COLUMBIA CORPORATE PARK
 PARCEL A-1
 EX. ZONING NT
 PLAT NO. 0421

COLUMBIA CORP PARK
 PARCEL A-8
 EX. ZONING NT
 PLAT NO. 0414

LEGEND
 LIMIT OF DISTURBANCE
 EXISTING AND PROPOSED
 DRAINAGE AREA TO
 TRAPS
 BARTH DIKE
 SILT FENCE
 STABILIZED CONSTRUCTION
 ENTRANCE

STORM INLET SEDIMENT TRAP #2
 D.A. TO TRAP 2.85 AC
 STORAGE REQUIRED: 2.85 X 1800 = 5130 C.F.
 STORAGE PROVIDED: 6000 C.F.
 BOTTOM ELEVATION: 396.00
 TOP ELEVATION: 396.00
 CLEANOUT ELEVATION: 395.10
 BOTTOM DIMENSIONS: 50' X 50'

STORM INLET SEDIMENT TRAP #3
 D.A. TO TRAP 3.11 AC
 STORAGE REQUIRED: 3.11 X 1800 = 5598 C.F.
 STORAGE PROVIDED: 5000 C.F.
 BOTTOM ELEVATION: 396.00
 TOP ELEVATION: 396.00
 CLEANOUT ELEVATION: 394.00
 BOTTOM DIMENSIONS: 50' X 50'

PLAN
 SCALE: 1" = 50'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
 DIRECTOR: James J. [Signature] 2/6/90
 CHIEF BUREAU OF ENGINEERING: [Signature] 2-6-90

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: [Signature] 7/2/89
 HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 SIGNATURE: James M. [Signature] 7/7/89
 UNITED STATES SOIL CONSERVATION SERVICE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.
 COUNTY HEALTH OFFICER: [Signature] 2-11-90
 DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING.
 DIRECTOR: [Signature] 2-15-90
 CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT: [Signature] 2/15/90
 DATE

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 303 ALLEGHENY AVENUE
 TOWSON, MARYLAND 21204
 (301) 825-8120



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ENGINEER: [Signature]
 REG. NO. [Number] DATE: [Date]

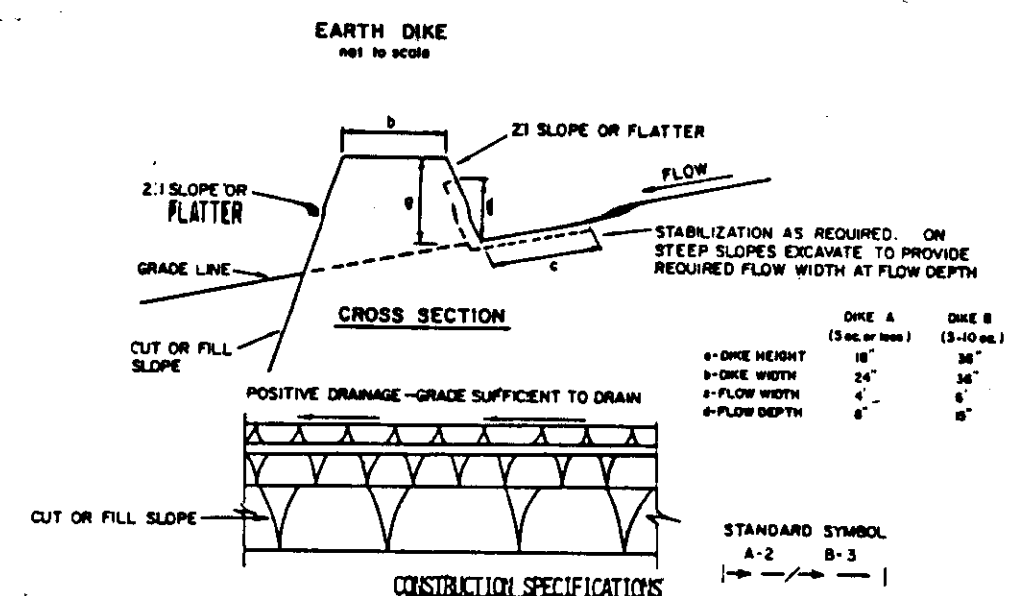
DEVELOPER
COLUMBIA CORPORATE PARK ASSOCIATES
 C/O MCGILL DEVELOPMENT COMPANY
 6430 DOBBIN ROAD
 COLUMBIA, MARYLAND 21045

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DEVELOPER: [Signature] DATE: 1-30-89

DESIGNED: [Signature]
 DRAWN: [Signature]
 CHECKED: [Signature]

SEDIMENT AND EROSION CONTROL PLAN
 FOR
COLUMBIA CORPORATE PARK
 SIELING INDUSTRIAL CENTER
 SECTION 1, AREA 1, PARCEL A-11A-4
 TAX MAP No. 36 PARCEL 356
 HOWARD CO MARYLAND ELECTION DIST. No 6
 SCALE AS SHOWN SHEET 4 OF 6



TYPE OF TREATMENT	FLOW CHANNEL STABILIZATION	
	CHANEL SIZE	DIKE SIZE
1	5-3.0'	SEED AND STRAW MULCH
2	3.1-5.0'	SEED AND STRAW MULCH
3	5.1-8.0'	SEED WITH JUTE, OR SOD; LINED RIP-RAP 4-8" SIDE
4	8.1-20'	LINED RIP-RAP 4-8" ENGINEERING DESIGN

- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redistribution, 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, b) 14 days as to all other disturbed or graded areas on the project site.
- 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 5) 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 seedings (Sec. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 32.) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 6) 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.
- 7) Site Analysis:
 - Total Area of Site: 9,417 Acres ±
 - Area Disturbed: 2,000 Acres ±
 - Area to be roofed or paved: 67 Acres ±
 - Area to be vegetatively stabilized: 7,350 Acres ±
 - Total Cur: 13,000 Cu. Yds
 - Total Fill: 13,000 Cu. Yds
 - Off-site waste/borrow area location: 0
- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 9) Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- 10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- 11) Material Will Be Obtained From A Site With An Approved Sediment Control Plan.

SEDIMENT CONTROL NOTES

1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)

2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

3) Following initial soil disturbance or redistribution, 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, b) 14 days as to all other disturbed or graded areas on the project site.

4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.

5) 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 seedings (Sec. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 32.) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.

6) 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.

7) Site Analysis:

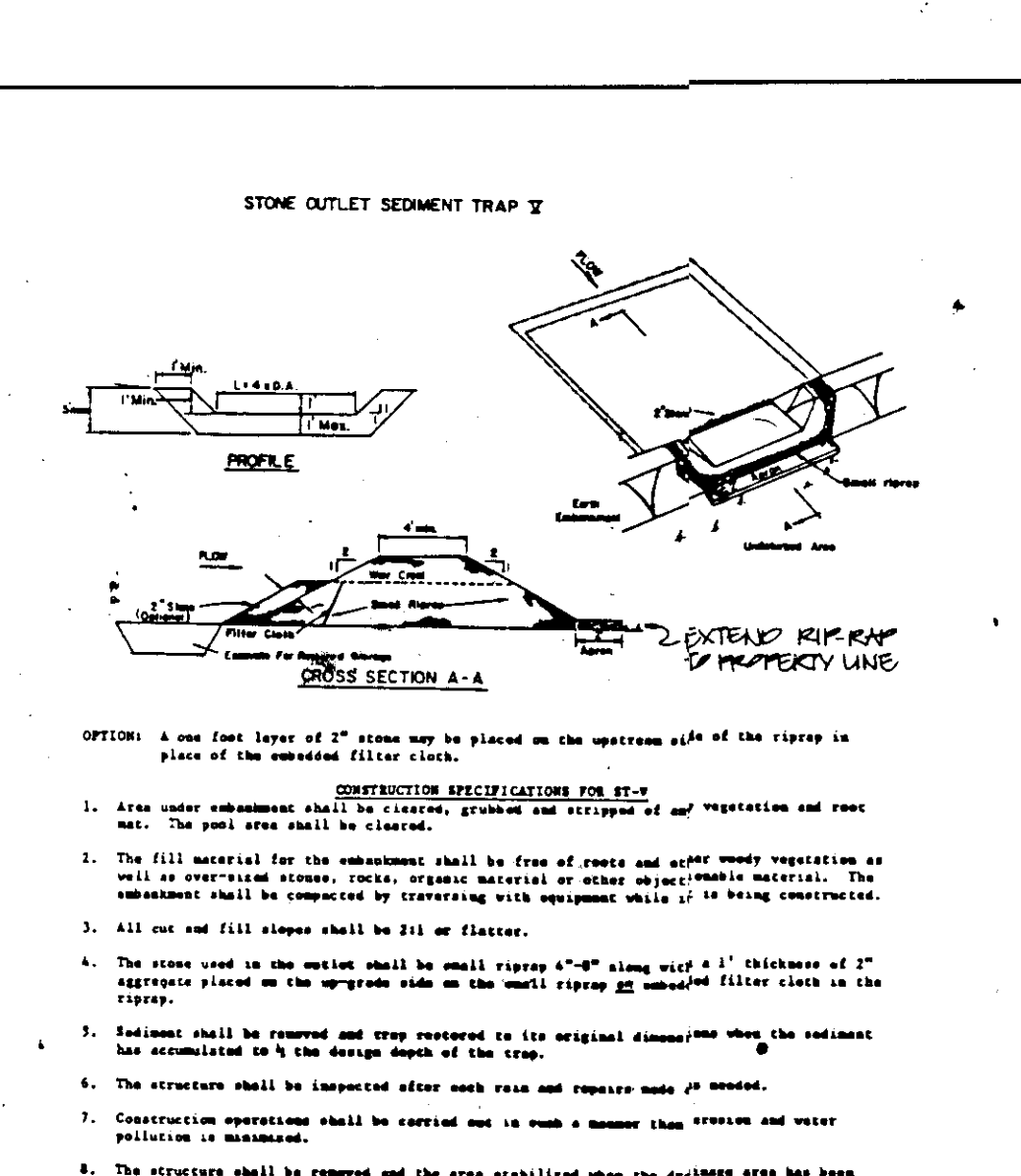
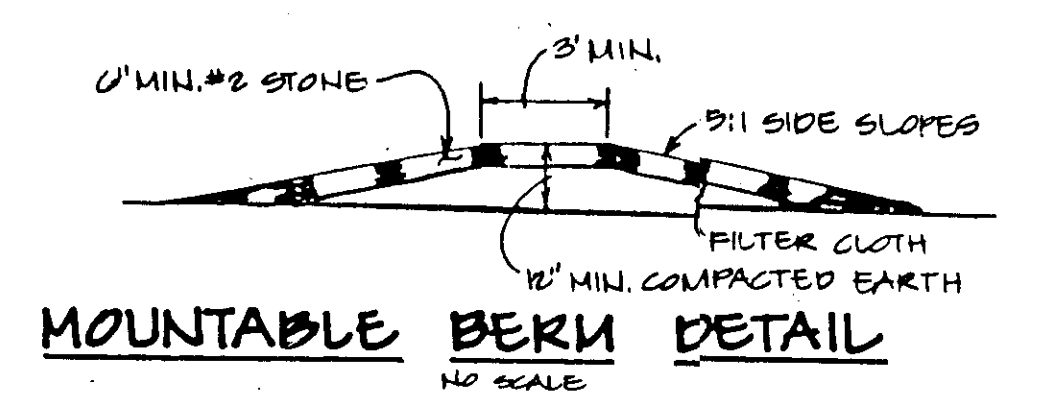
- Total Area of Site: 9,417 Acres ±
- Area Disturbed: 2,000 Acres ±
- Area to be roofed or paved: 67 Acres ±
- Area to be vegetatively stabilized: 7,350 Acres ±
- Total Cur: 13,000 Cu. Yds
- Total Fill: 13,000 Cu. Yds
- Off-site waste/borrow area location: 0

8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

9) Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.

10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

11) Material Will Be Obtained From A Site With An Approved Sediment Control Plan.



CONSTRUCTION SPECIFICATIONS FOR ST-2

1. Area under construction shall be cleared, graded and stripped of soil vegetation and trees. The soil area shall be cleared.
2. The fill material for the construction shall be free of roots and other woody vegetation as well as other organic matter, unless approved material or other acceptable material. The construction shall be completed by transferring with equipment while it is being constructed.
3. All cut and fill slopes shall be 3:1 or flatter.
4. The stone used in the outlet shall be small variety 4" to 6" diameter and 1" thickness of 1" aggregate placed on the ground side on the outlet. 2" rounded filter cloth is to be placed.
5. Sediment shall be removed and trap returned to its original condition when the sediment has accumulated to 1/4 the design depth of the trap.
6. The structure shall be inspected after each rain and repairs made if needed.
7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the disturbed area has been properly stabilized.

Maximum Drainage Area: 5 Acres

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
COLLEGE PARK, MARYLAND

STONE OUTLET SEDIMENT TRAP

STANDARD DRAWING
ST-2

PERMANENT SEEDING NOTES

Seedbed Preparation: Loosen upper 3 inches of soil by raking, disking or other acceptable means before seeding (if not previously loosened).

Soil Amendments: Use one of the following schedules:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 square ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.) before seeding. Narrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 urea form fertilizer (9 lbs./1000 sq. ft.).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq. ft.) before seeding. Narrow or disc into upper three inches of soil.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq. ft.) of Kentucky 31 tall fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 tall fescue per acre and 2 lbs. per acre (.05 lbs./1000 sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs./acre Kentucky 31 tall fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal./1000 sq. ft.) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

Seedbed Preparation: Loosen upper 3 inches of soil by raking, disking or other acceptable means before seeding (if not previously loosened).

Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.).

Seeding - For periods March 1 thru April 30 and from August 15 thru Nov. 15, seed with 2 1/2 bu. per acre of annual ryegrass (3.2 lbs./1000 sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq. ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching - Apply 1 1/2 to 2 tons per acre (70-90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 348 gal. per acre (8 gal./1000 sq. ft.) for anchoring.

- SEQUENCE OF OPERATIONS**
1. OBTAIN GRADING PERMIT.
 2. NOTIFY HOWARD COUNTY PERMITS INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.
 3. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
 4. INSTALL SILT FENCE ALONG STANFORD BOULEVARD.
 5. INSTALL STORM DRAIN FROM EX. 1-10 TO 1-1.
 6. INSTALL INLET SEDIMENT TRAP #1 AND DIVERSION DIKES TO 1-1.
 7. INSTALL INLET TRAPS 2 AND 3 AND REMAINING DIVERSION DIKES.
 8. INSTALL INLET TRAP #4 AND REMAINING SILT FENCE.
 9. BEGIN MAJOR GRADING. ADJUST EARTH DIKES AS GRADING PROGRESSES.
 10. BEGIN UTILITY CONSTRUCTION, AS UTILITIES ARE CONSTRUCTED AREAS ARE TO BE BROUGHT TO GRADE AND PAVED IMMEDIATELY.
 11. COMPLETE GRADING AND STABILIZE REMAINING AREAS.
 12. REMOVE INLET TRAPS WITH THE PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR.
 13. PAVE INLET TRAP AREAS.

APPROVED
HOWARD COUNTY
PLANNING & ZONING
DATE: 3-7-89

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

SIGNATURE: *James M. Felt* DATE: 7/7/87
UNITED STATES SOIL CONSERVATION SERVICE

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

APPROVED: *Steven L. Shuler* DATE: 7/7/87
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT.

James Boyd Weir DATE: 2-11-90
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPT OF PLANNING & ZONING.

W. H. ... DATE: 3-15-90
DIRECTOR

Mark A. ... DATE: 4/6/90
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

James P. ... DATE: 2/6/90
DIRECTOR

William B. ... DATE: 2-6-90
CHIEF BUREAU OF ENGINEERING

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
303 ALLEGHENY AVENUE
TOWSON, MARYLAND 21204
(301)825-8120

ENGINEER'S CERTIFICATE:
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

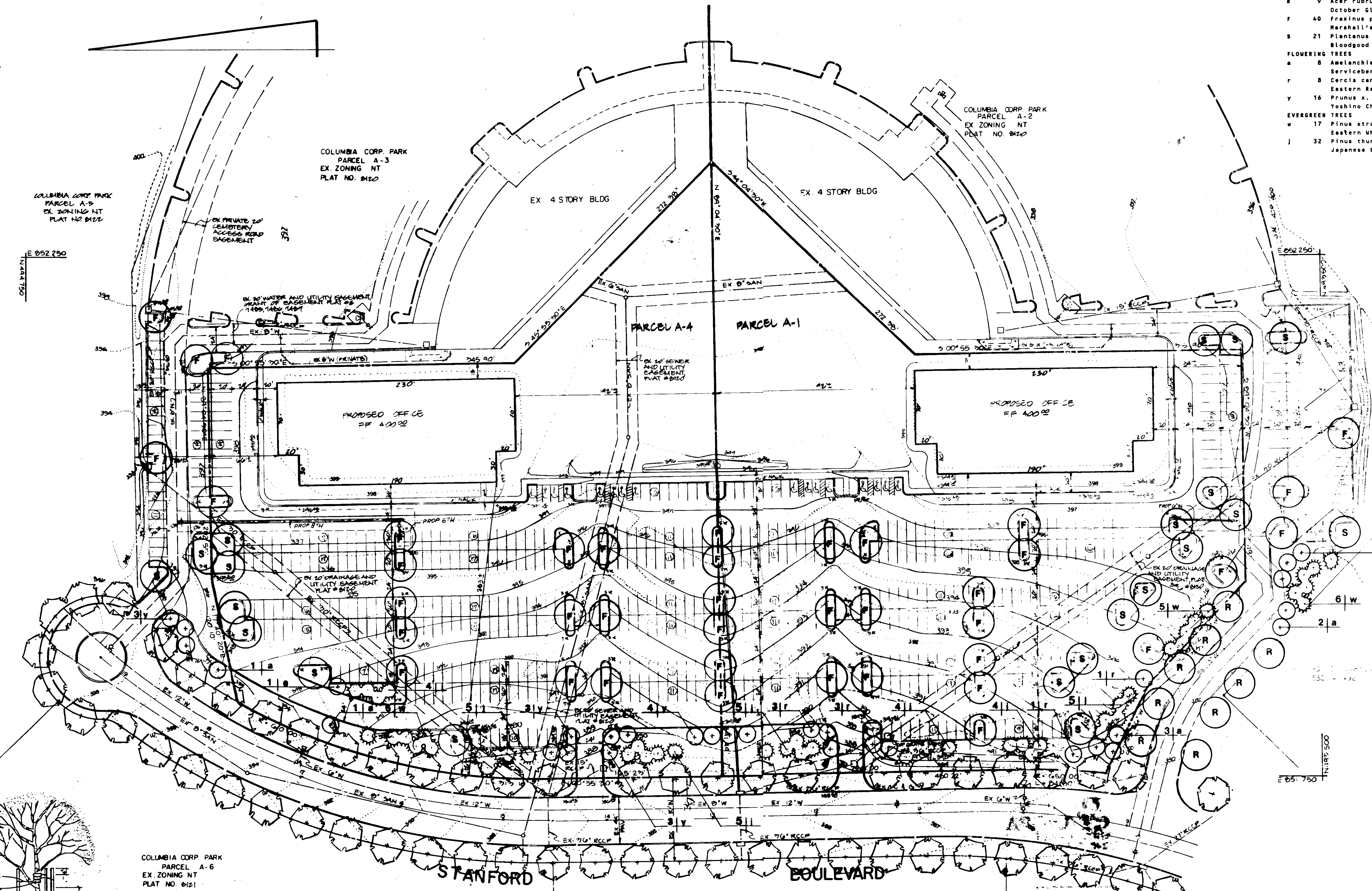
ENGINEER: *TAPENATA HANABARTI*
REG. NO. 124 DATE: 2-1-89

DEVELOPER
COLUMBIA CORPORATE PARK ASSOCIATES
C/O MCGILL DEVELOPMENT COMPANY
6430 DOBBIN ROAD
COLUMBIA, MARYLAND 21045

DEVELOPER'S CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED 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. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER: *James P. ...* DATE: 1-30-89

COLUMBIA CORPORATE PARK
SIELING INDUSTRIAL CENTER
SECTION I, AREA I, PARCEL A-11-A-4
TAX MAP No. 36 PARCEL 356
HOWARD CC, MARYLAND ELECTION DIST. No. 6
SCALE AS SHOWN 1988
SHEET 5 OF 6



PLANT LIST

KEY	QUAN	BOTANICAL NAME/COMMON NAME	SIZE/COND.	SPACING
SHADE TREES				
R	9	Acer rubrum 'October Glory'	2 1/2-3 in. Cal.	40 ft. O.C.
		October Glory Maple	8-10	
F	40	Fraxinus pennsylvanica 'Marshall's Seedless'	2 1/2-3 in. Cal.	30 ft. O.C.
		Marshall's Seedless Green Ash	8-10	
S	21	Plantanus x. acerfolia 'Bloodgood'	2 1/2-3 in. Cal.	30 ft. O.C.
		Bloodgood London Planetree	8-10	
FLOWERING TREES				
A	8	Amelanchier canadensis	8-10 ft.	15 ft. O.C.
		Serviceberry	8-10	
R	8	Cercis canadensis	8-10 ft.	15 ft. O.C.
		Eastern Redbud	8-10	
Y	16	Prunus x. yedoensis	8-10 ft.	15 ft. O.C.
		Yoshino Cherry	8-10	
EVERGREEN TREES				
W	17	Pinus strobus	6-8 ft.	10 ft. O.C.
		Eastern White Pine	6-8	
J	32	Pinus thunbergiana	6-8 ft.	10 ft. O.C.
		Japanese Black Pine	6-8	

- PLANTING NOTES**
- Plant locations may be field adjusted to avoid final utility placements.
 - All trees and shrubs shall be mulched to a minimum of 18" beyond the edge of the root ball.
 - All shrub masses shall be planted in continuous mulch beds.
 - All wire and non-biodegradable plastic ball ties shall be removed.

LANDSCAPE SPECIFICATIONS

Landscape specifications shall conform to "Landscape Specification Guidelines for Baltimore-Washington Metropolitan Area." A one-year maintenance and warranty period shall be required.

PLANTING STANDARDS

All nursery stock shall be planted in accordance with the American Association of Nurserymen, Inc., "American Standards for Nursery Stock," latest edition. Bare-root shall not be allowed for any tree defined as major deciduous, minor deciduous or evergreen.

APPROVED PLANNING BOARD OF HOWARD COUNTY

DATE 3-15-89

J.B.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR *[Signature]* 2/6/90

CHIEF BUREAU OF ENGINEERING *[Signature]* 2-2-90

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

APPROVED *[Signature]* DATE 2/2/89
HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

SIGNATURE *[Signature]* DATE 2/2/89
UNITED STATES SOIL CONSERVATION SERVICE

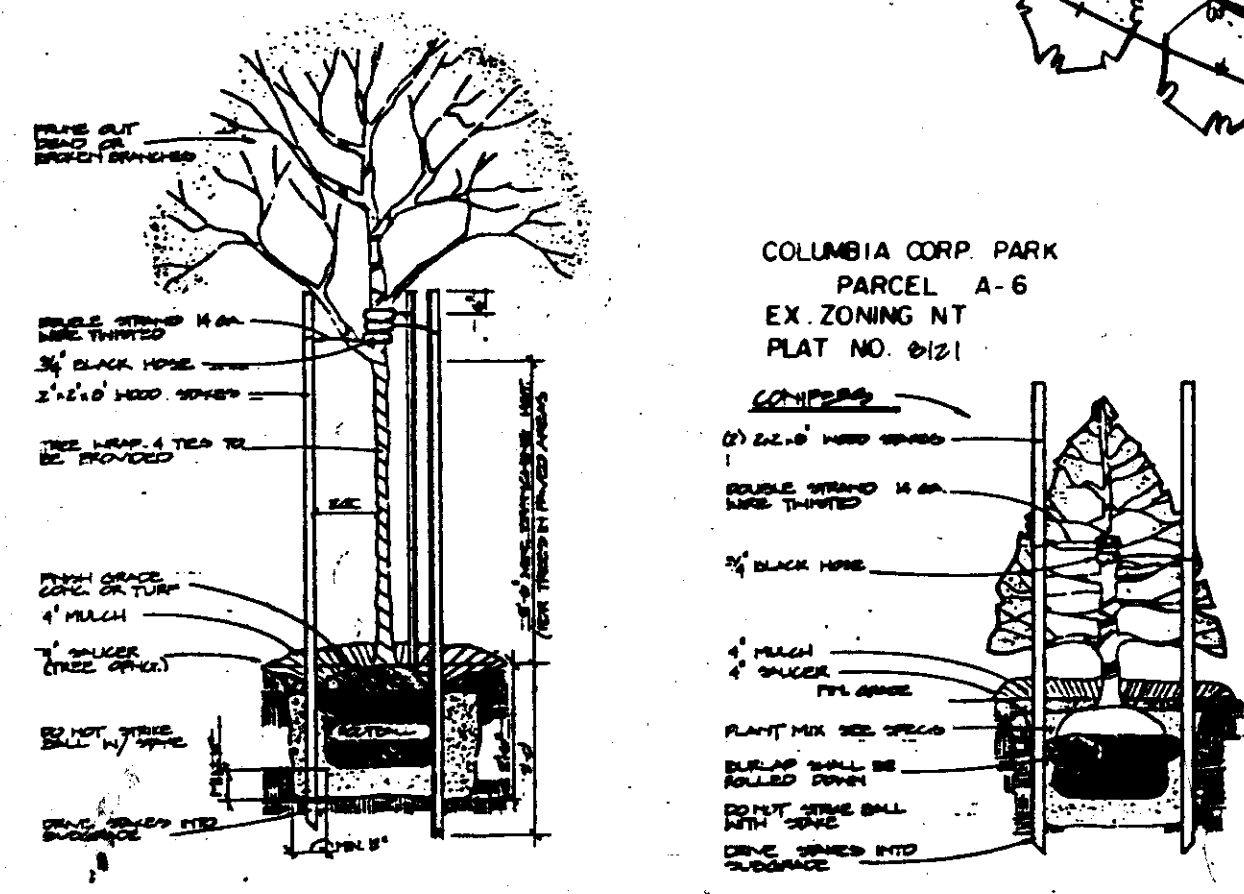
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER *[Signature]* 2-11-90

APPROVED: HOWARD COUNTY DEPT OF PLANNING & ZONING

DIRECTOR *[Signature]* DATE 3-15-89

CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT *[Signature]* DATE 3/15/89



PLAN
SCALE: 1" = 30'

WFK WILLIAM F. KIRWIN, INC.
Land Planning/Landscape Architecture
28 E. Southwestern Avenue
Towson, MD 21286
Phone 301/227-0875

DEVELOPER
COLUMBIA CORPORATE PARK ASSOCIATES
C/O MCGILL DEVELOPMENT COMPANY
6430 DOBBIN ROAD
COLUMBIA, MARYLAND 21045

DEVELOPER'S CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED 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. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER: *[Signature]* DATE: 1-30-89

PREPARED BY: *[Signature]*
CHECKED BY: *[Signature]*

PLANTING PLAN
FOR
COLUMBIA CORPORATE PARK
SIELING INDUSTRIAL CENTER
SECTION I, AREA I, PARCEL A-1(A)-4
TAX MAP No.36 PARCEL 356
HOWARD CO. MARYLAND ELECTION DIST. No.6
SCALE AS SHOWN

SHEET 6 OF 6
SP 87-158