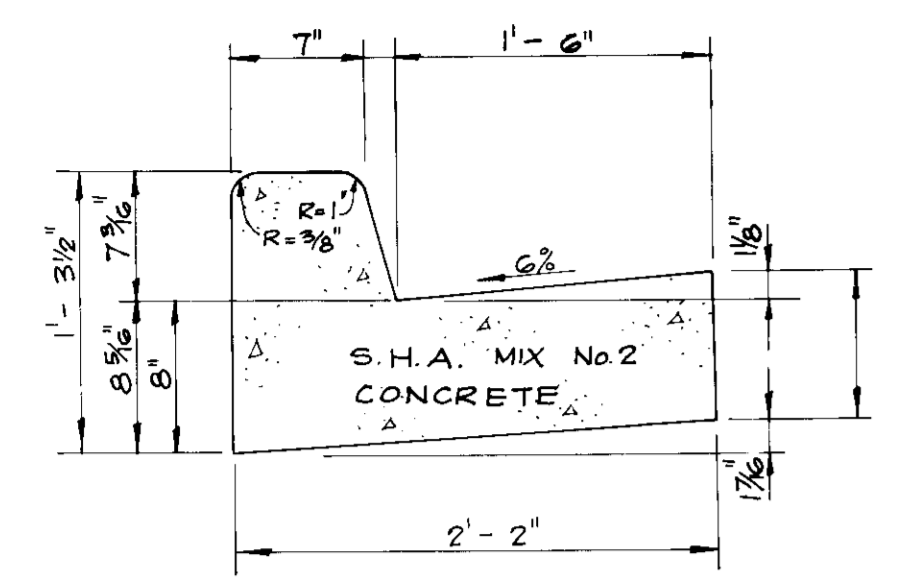


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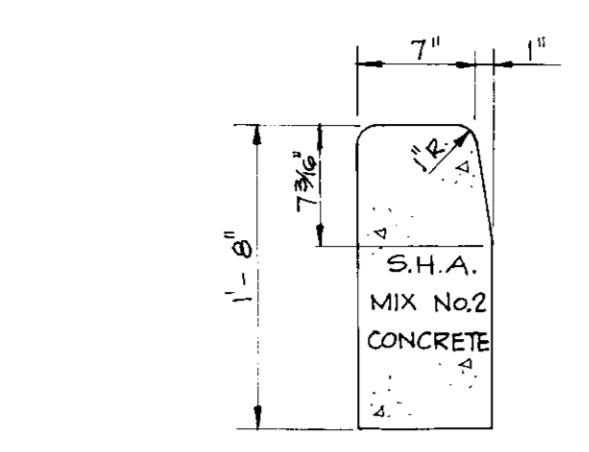
- NO DESCRIPTION
- 1 INDEX SHEET / SITE DETAILS
- 2 SITE PLAN
- 3 STORM DRAIN & SANITARY PROFILES
- 4 DRAINAGE AREA MAP - FORM DRAIN
- 5 DRAINAGE AREA MAP - EROSION CONTROL AND EROSION CONTROL PLAN
- 6 SEDIMENT AND EROSION CONTROL PLAN
- 7 DETAILS - SEDIMENT AND EROSION CONTROL PLAN
- 8 LANDSCAPE PLAN
- 9 ROAD STAKEOUT PLAN



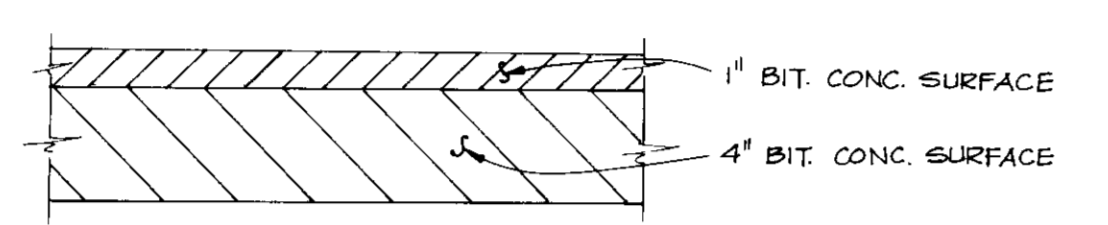
OWNER AND DEVELOPER:
THE HOWARD RESEARCH AND DEVELOPMENT LAND COMPANY
10271 LITTLE PATENT PARKWAY
COLUMBIA, MARYLAND 21046



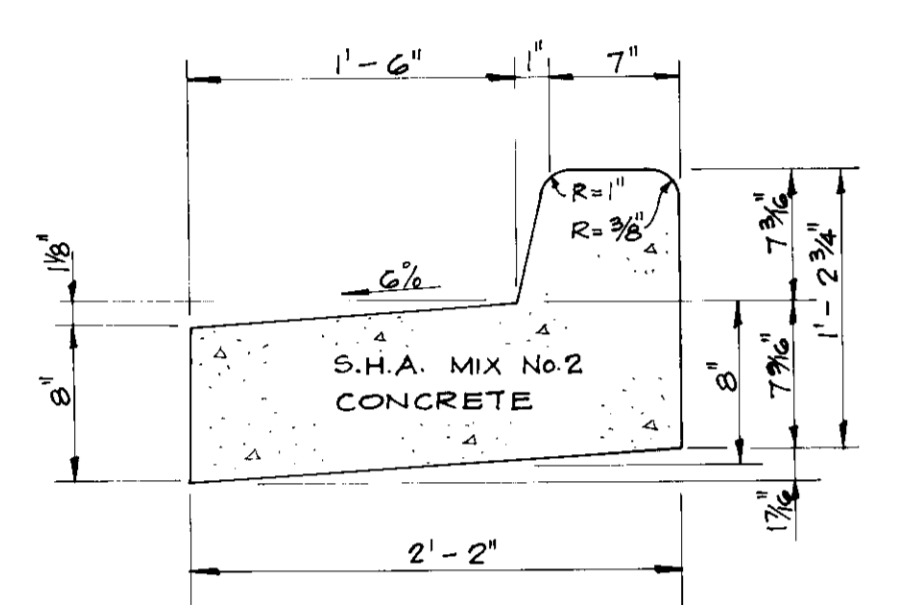
STANDARD 7" COMBINATION CURB AND GUTTER
NO SCALE
HOWARD CO. STD. DETAIL R-2.01



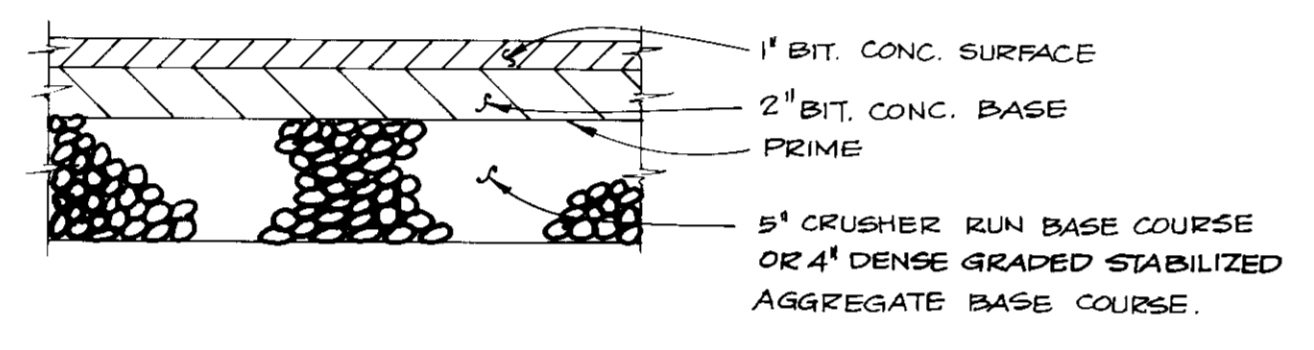
STANDARD BARRIER CURB
NO SCALE
HOWARD CO. STD. DETAIL R-2.03



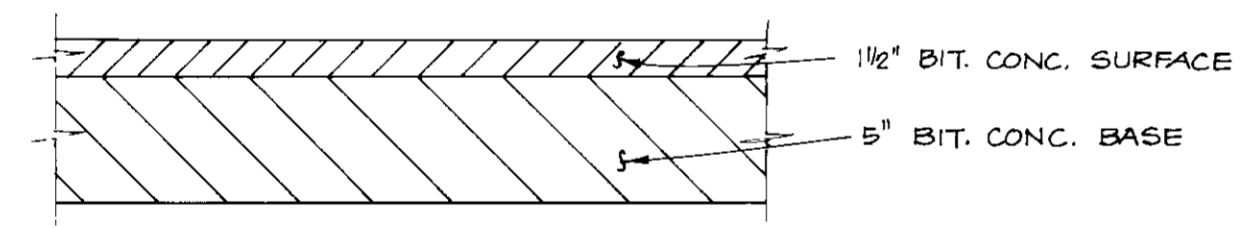
P-1 PAVING
NO SCALE
HOWARD CO. STD. DETAIL R-2.01



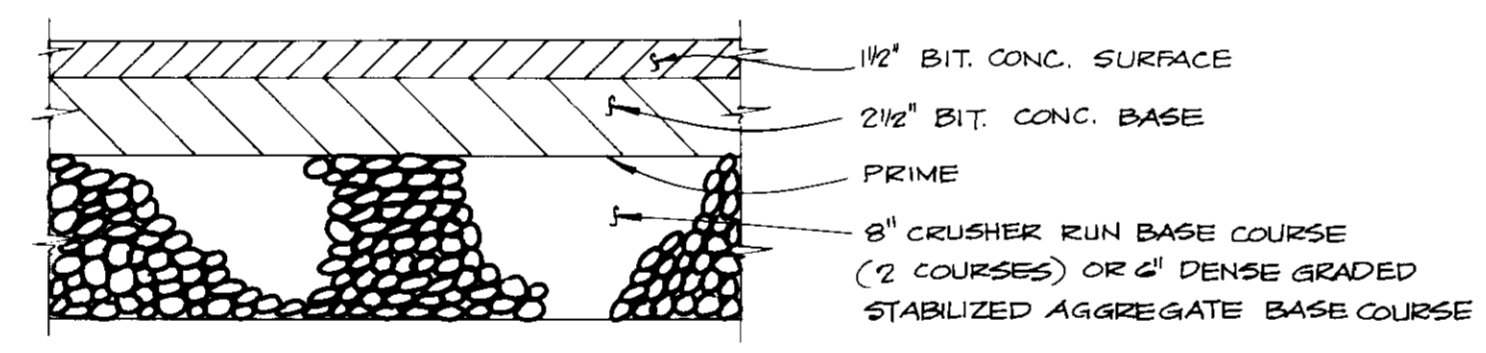
REVERSE 7" COMBINATION CURB AND GUTTER
NO SCALE



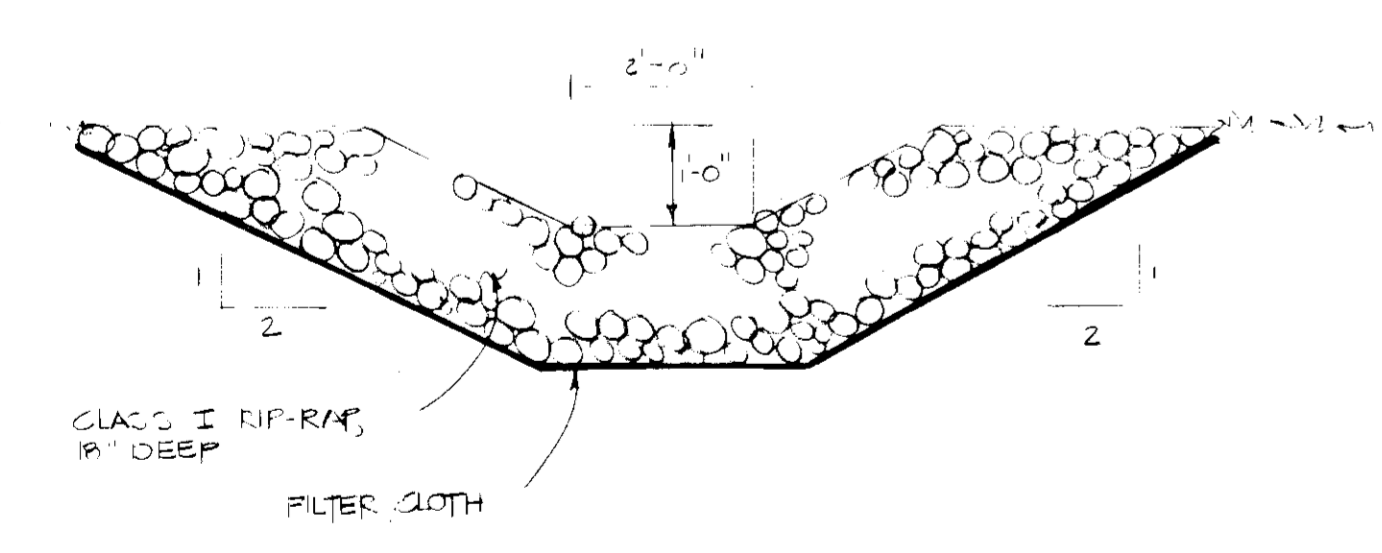
ALTERNATE P-1 PAVING
NO SCALE
HOWARD CO. STD. DETAIL R-2.01



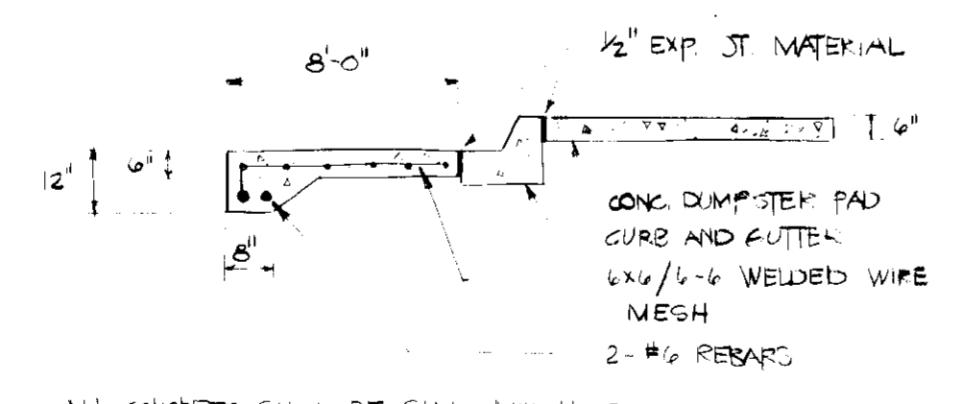
P-2 PAVING
NO SCALE
HOWARD CO. STD. DETAIL R-2.01



ALTERNATE P-2 PAVING
NO SCALE
HOWARD CO. STD. DETAIL R-2.01



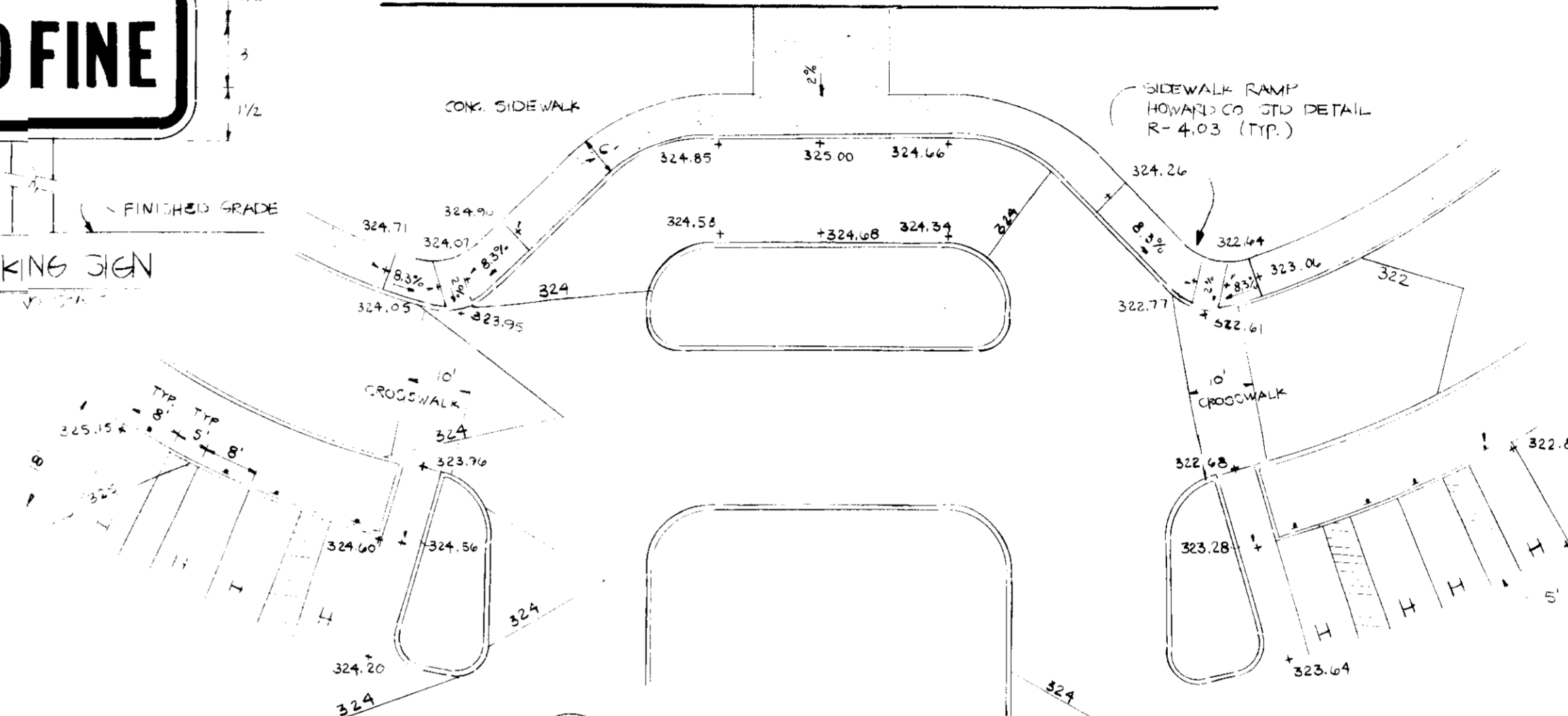
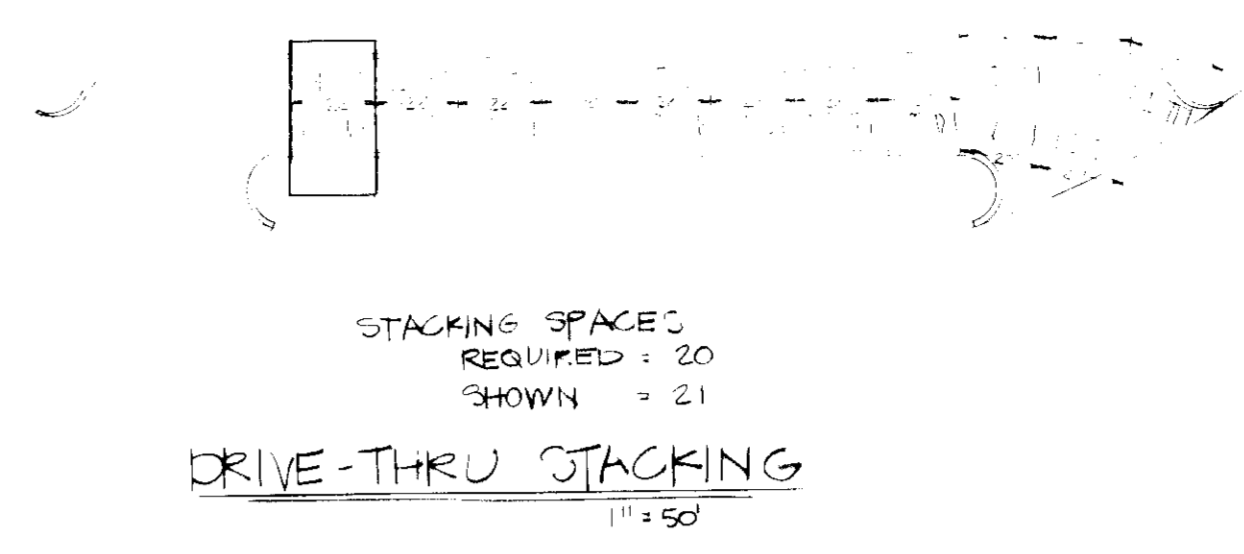
1 RIP-RAP OUTFALL
NO SCALE



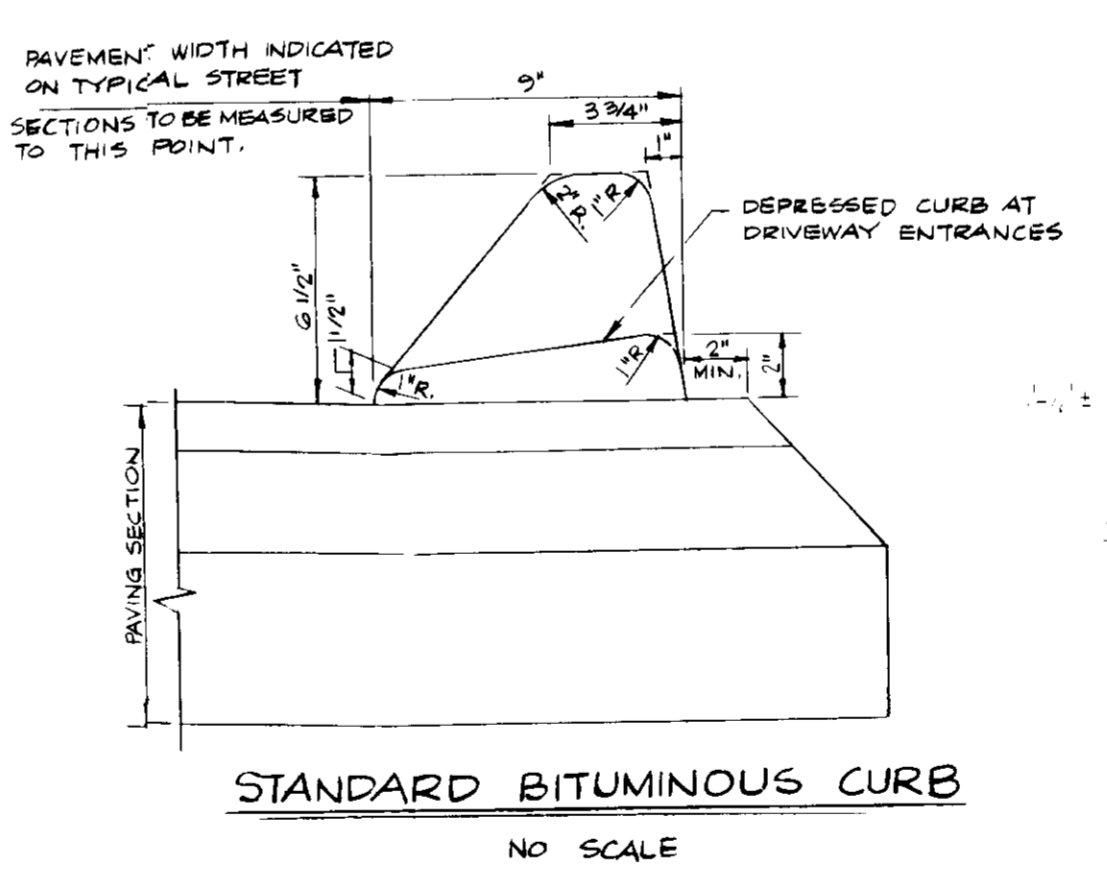
2 DUMPSTER PAD
NO SCALE



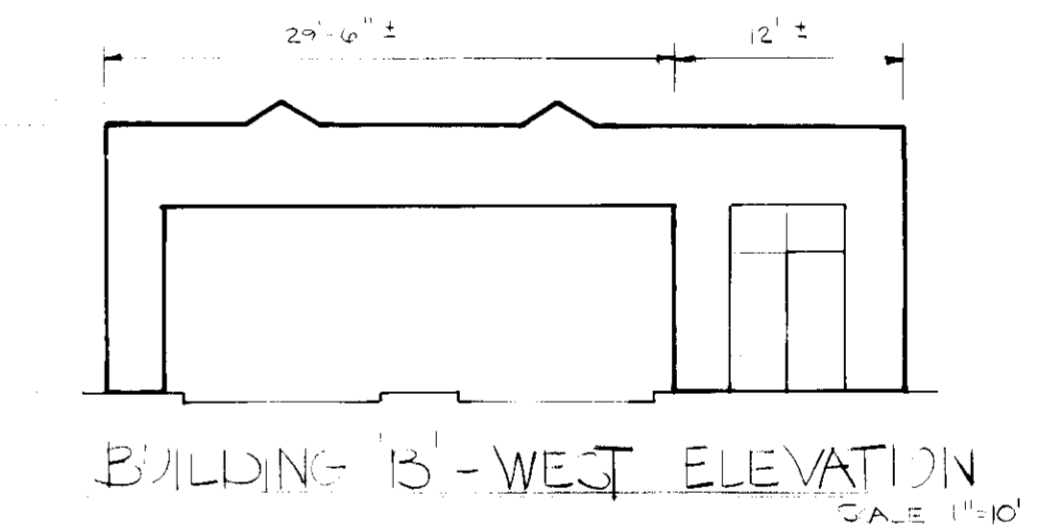
3 HANDICAP PARKING SIGN



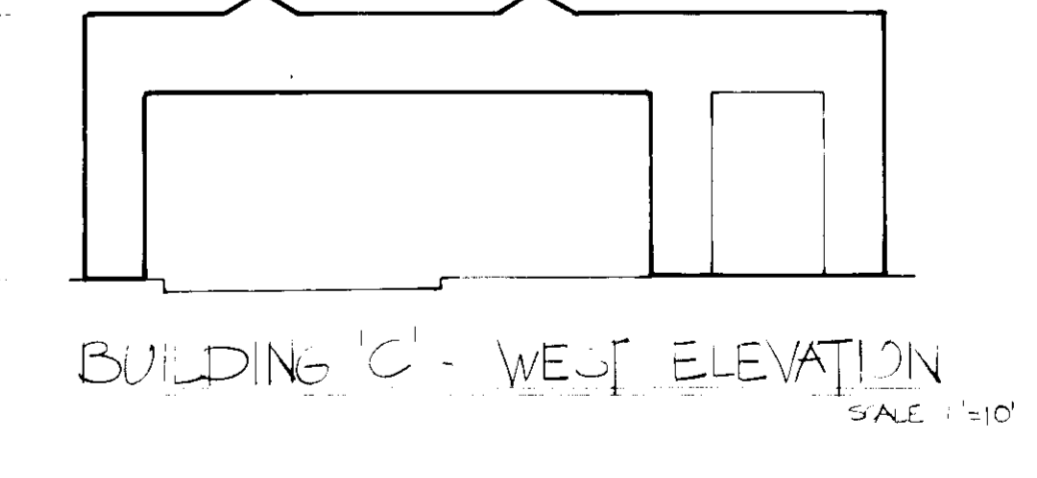
4 HANDICAP PARKING LAYOUT
SCALE 1" = 20'



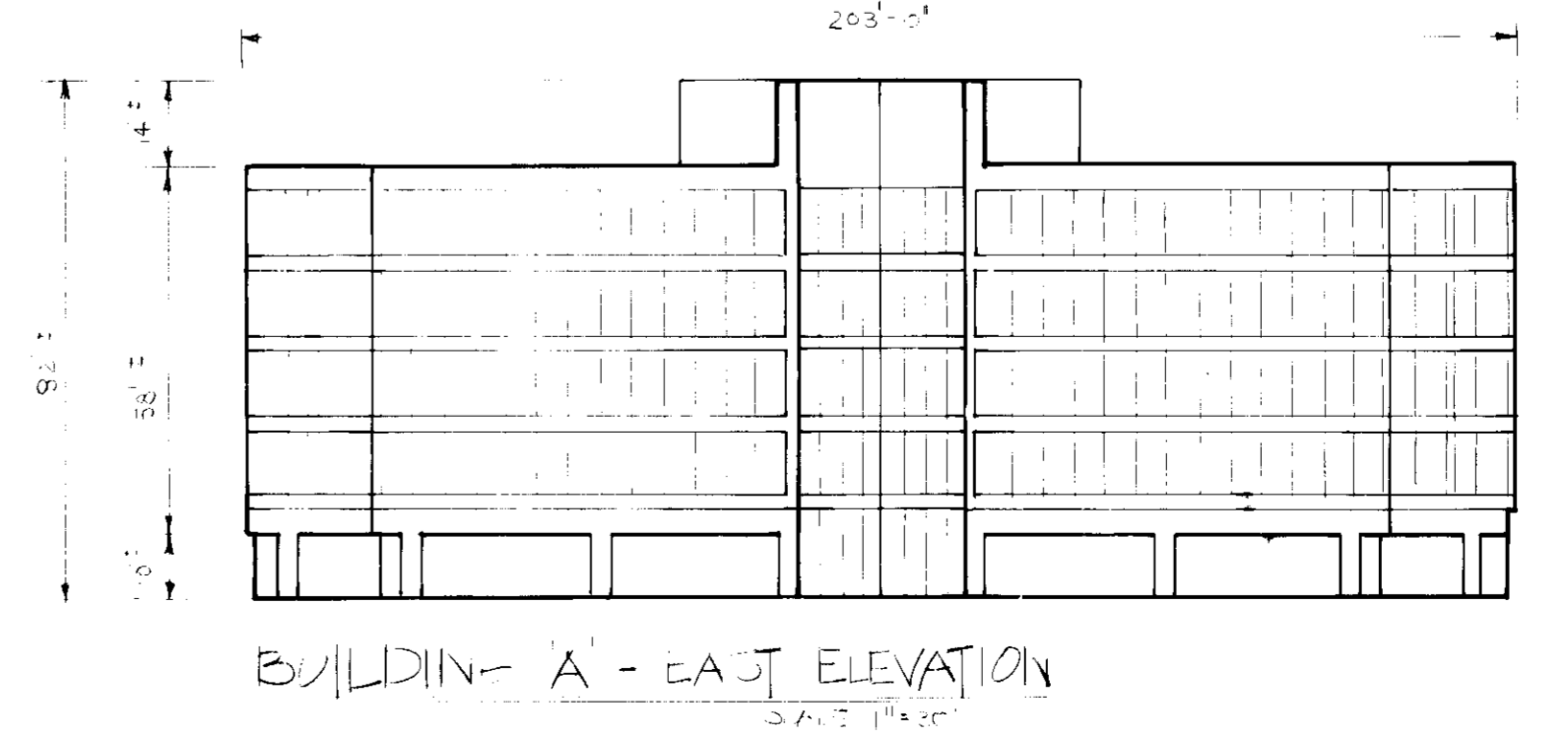
STANDARD BITUMINOUS CURB
NO SCALE



BUILDING 'B' - WEST ELEVATION
SCALE 1" = 10'



BUILDING 'C' - WEST ELEVATION
SCALE 1" = 10'



BUILDING 'A' - EAST ELEVATION
SCALE 1" = 10'

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE DATE

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

HOWARD S.C.D. DATE

PLAN NUMBER DATE

CERTIFICATION BY THE ENGINEER:
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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

DATE

CERTIFICATION BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT 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.

DATE

APPROVED: FOR PUBLIC WATER SYSTEMS & PUBLIC SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

County Health Officer: *Joyce M. Boyd M.P.H.* DATE: 5-10-89

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Planning Director: *W. H. ...* DATE: 5-18-89

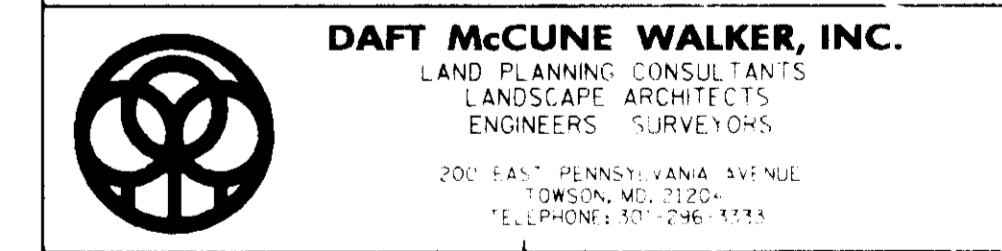
APPROVED: FOR PUBLIC WATER AND STORM DRAINAGE SYSTEMS - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Director: *James M. ...* DATE: 5-23-89

Chief Bureau of Engineering: *...* DATE: 5-23-89

Date	No.	Revision Description

COLUMBIA GATEWAY
PARCELS D-1 & D-2 PHASE I
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER
THE HOWARD RESEARCH AND DEVELOPMENT LAND COMPANY



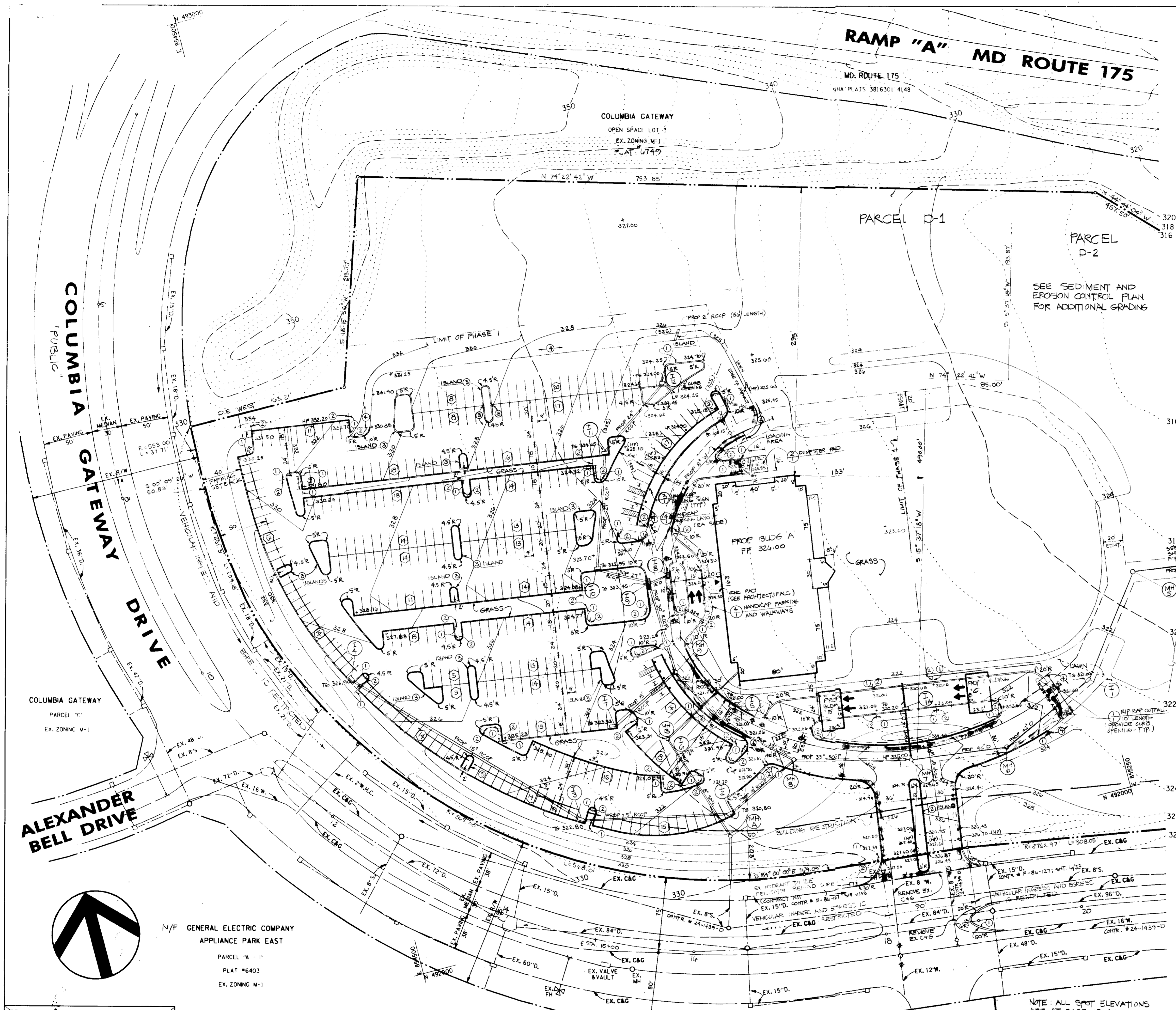
TITLE: SITE DEVELOPMENT PLAN
INDEX SHEET / SITE DETAILS

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
COLUMBIA GATEWAY		D-1, D-2
PLAT OR L.P.	BLOCK	ZONE
6870	1	M-1
TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
43	6	6045.01
WATER CODE	SEWER CODE	

ADDRESS CHART

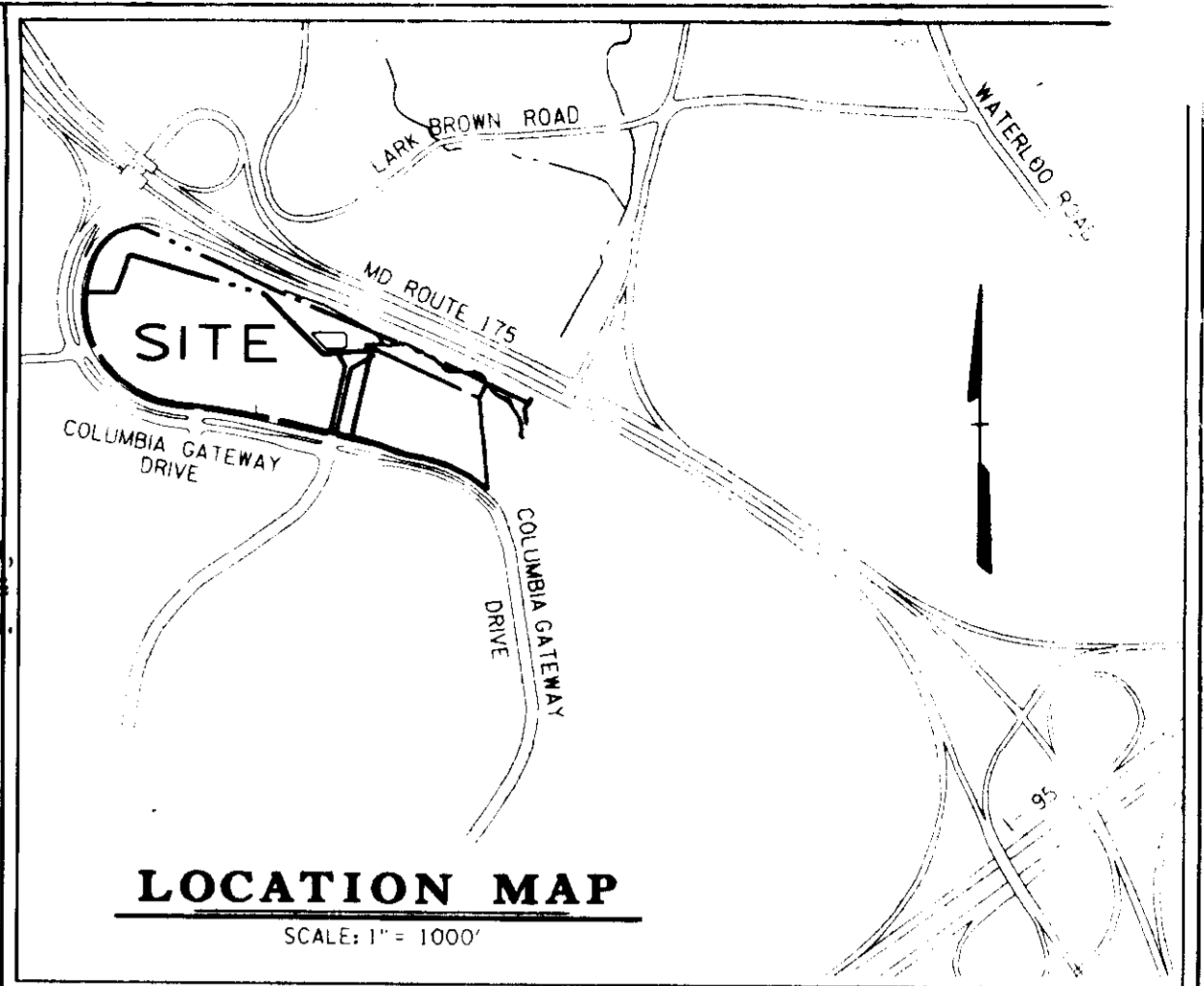
LOT NUMBER	STREET ADDRESS
BLDG. A	6705 COLUMBIA GATEWAY DR.
BLDG. B	6715 COLUMBIA GATEWAY DR.

Des. By	Scale	Proj. No.
DCB		
Drn. By	Date	
DCB		
Chk. By	Approved	
		1 OF 4



GENERAL NOTES

- ALL SITE WORK CONSTRUCTION TO BE DONE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL - VOL. IV, STANDARD SPECIFICATION, AND DETAILS FOR CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE HOWARD CO. DEPT. OF INSPECTIONS AND PERMITS AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- ALL UTILITY COMPANIES MUST BE NOTIFIED 5 DAYS IN ADVANCE OF ANY CONSTRUCTION.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES TO HIS OWN SATISFACTION BEFORE STARTING CONSTRUCTION AND TEST PIT EX UTILITIES WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF 2 WEEKS BEFORE CONSTRUCTION.
- APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- ANY DAMAGE TO PUBLIC RIGHT-OF-WAY, PAVING, OR ADJACENT PROPERTIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- PUBLIC WATER AND PUBLIC SEWER TO BE UTILIZED.
- ALL UTILITIES INSTALLED SHALL RECEIVE PAID TRENCH COMPANION.
- STORMWATER MANAGEMENT IS PROVIDED OFF-SITE ON PARCEL E-2 AND SHALL BE REVIEWED UNDER SITE DEVELOPMENT PLAN SDP-89-80.
- PARCELS E1 & E2 ARE CURRENTLY BEING REVIEWED UNDER SDP-89-80.
- NOTE: DATA - PHASE 1
CURRENT ZONING = M-1



LOCATION MAP
SCALE 1" = 1000'

APPROVED: _____
DATE: 4-3-89

18. THE LOCATION, TYPE, AND NUMBER OF TREES SHOWN ARE TENTATIVE AND ARE USED FOR BOND PURPOSES ONLY. THE FINAL LOCATION AND VARIETY OF TREES MAY VARY TO ACCOMMODATE FIELD CONDITIONS AND BUILDER'S LANDSCAPE PROGRAM. BOND RELEASE IS CONTINGENT UPON SECTION 16.151 OF THE HOWARD CO. SUBDIVISION REGULATIONS, AS APPROVED BY THE OFFICE OF PLANNING AND ZONING.

19. CONTRACTOR SHALL MAINTAIN A MINIMUM 3" COVER OVER ALL PROPOSED WATER LINES.

20. ALL EX. FACILITIES ADJACENT TO THE SITE WERE PROCESSED UNDER PERMITS 27 AND 24-14292. THE RECORD PLAT FOR PARCELS D-1, D-2, # 4870, IS PROCESSED UNDER PERMIT # 11.

21. WATER METERS IS PROVIDED INSIDE BUILDING A.

22. BUILDING A WILL BE PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM.

TOTAL AREA OF SITE = 19.337 AC² 842,320 SF
 PARCEL D1 = 10.398 AC² ; PARCEL D2 = 8.948 AC²
 PHASE 1 = 8.6 AC²
 AREA OF DISTURBANCE = 467,330 SF / 15.3 AC²

PARKING
 REQUIRED:
 INTENDED USE OF STRUCTURE =
 BUILDING 'A' = OFFICE
 BUILDING 'B' = RETAIL (DRIVE-THRU BANK)
 BUILDING 'C' = OPEN STRUCTURE,
 SYMBOLIC USE ONLY

TOTAL NO. SPACES REQUIRED = 368 SPACES
 'A' = 522 EMPL.
 7 RS/10 EMPL. = 346 RS.
 'B' = 282 SF/200 = 2 SPACES
 'C' = NONE REQUIRED

PROVIDED = 404 SPACES, INCLUDING 8 HANDICAP

OPEN SPACE
 REQUIRED:
 HOWARD CO. = 20%
 GATEWAY DESIGN AND DEVELOPMENT GUIDELINES = 25%

PROVIDED:
 62% ± IMPERVIOUS
 38% ± OPEN SPACE

LANDSCAPED ISLANDS
 REQUIRED = MINIMUM 5% OF PARKING LOT AREA
 PROVIDED = 16% ± OF PARKING LOT AREA

- GRADES HAVE BEEN ESTABLISHED TO INSURE POSITIVE DRAINAGE.
- REFUSE REMOVAL SHALL BE PROVIDED BY A PRIVATE HAULER.
- ALL PUBLIC UTILITIES SHALL BE CONSTRUCTED UNDER A SEPARATE CONTRACT.
- ALL ROADS WITHIN PARCELS D1 AND D2 SHALL BE PRIVATE ROADS.
- SEE ARCHITECTURAL PLANS FOR DETAILS OF PROPOSED BUILDINGS.
- ALL WATER MAIN TRENCHES, CAPS, ETC. SHALL BE BURRED IN ACCORDANCE WITH HOWARD CO. DESIGN REQUIREMENTS.

LEGEND

- HANDICAP ENTRANCE
- PUBLIC SANITARY
- PRIVATE SANITARY
- TRACT BOUNDARY
- PARCEL BOUNDARY
- PHASE 1 LIMITS
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROP. SPOT ELEVATION
- NUMBER PARKING SPACES
- HANDICAP PARKING
- HOWARD CO. PAVING P-1
- HOWARD CO. PAVING P-2
- HOWARD CO. STANDARD COMB. CURB AND GUTTER
- REVERSE COMB. CURB AND GUTTER
- HOWARD CO. BARRIER CURB
- BIRMINGHAM ASPHALT CURB
- TOP OF GRATE

NOTE: ALL SPOT ELEVATIONS ARE AT BASE OF CURB UNLESS OTHERWISE NOTED.

BENCH MARKS

WM #1 BM - IRON PIPE, 240 FEET RIGHT OF CL STA 15+00, COLUMBIA GATEWAY DRIVE ELEV. 338.29

WM #2 BM - IRON PIPE, 230 FEET RIGHT OF CL STA 34+30 COLUMBIA GATEWAY DRIVE ELEV. 315.29



REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE DATE

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

HOWARD S.C.D. DATE

PLAN NUMBER

CERTIFICATION BY THE ENGINEER:
 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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

DATE

CERTIFICATION BY THE DEVELOPER:
 I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT 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.

DATE

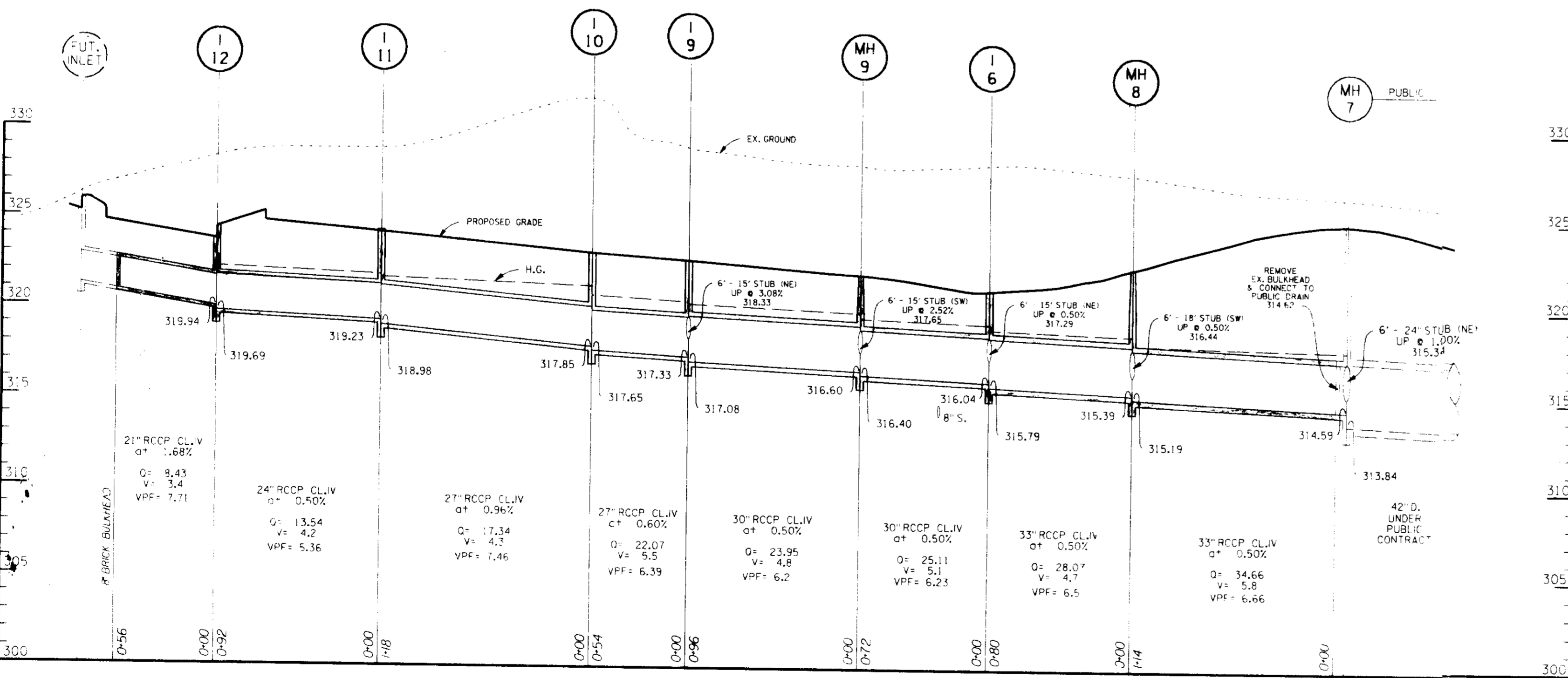
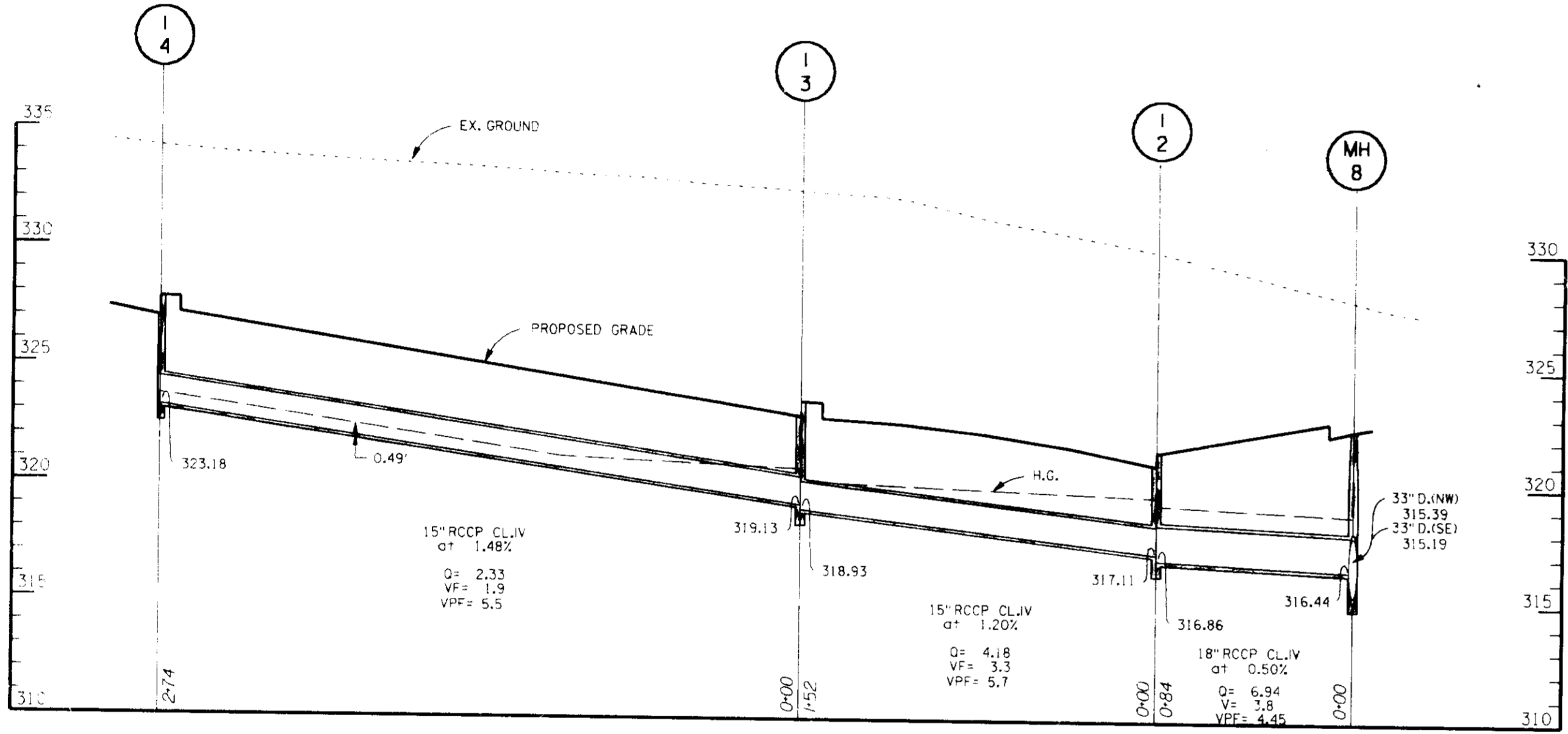
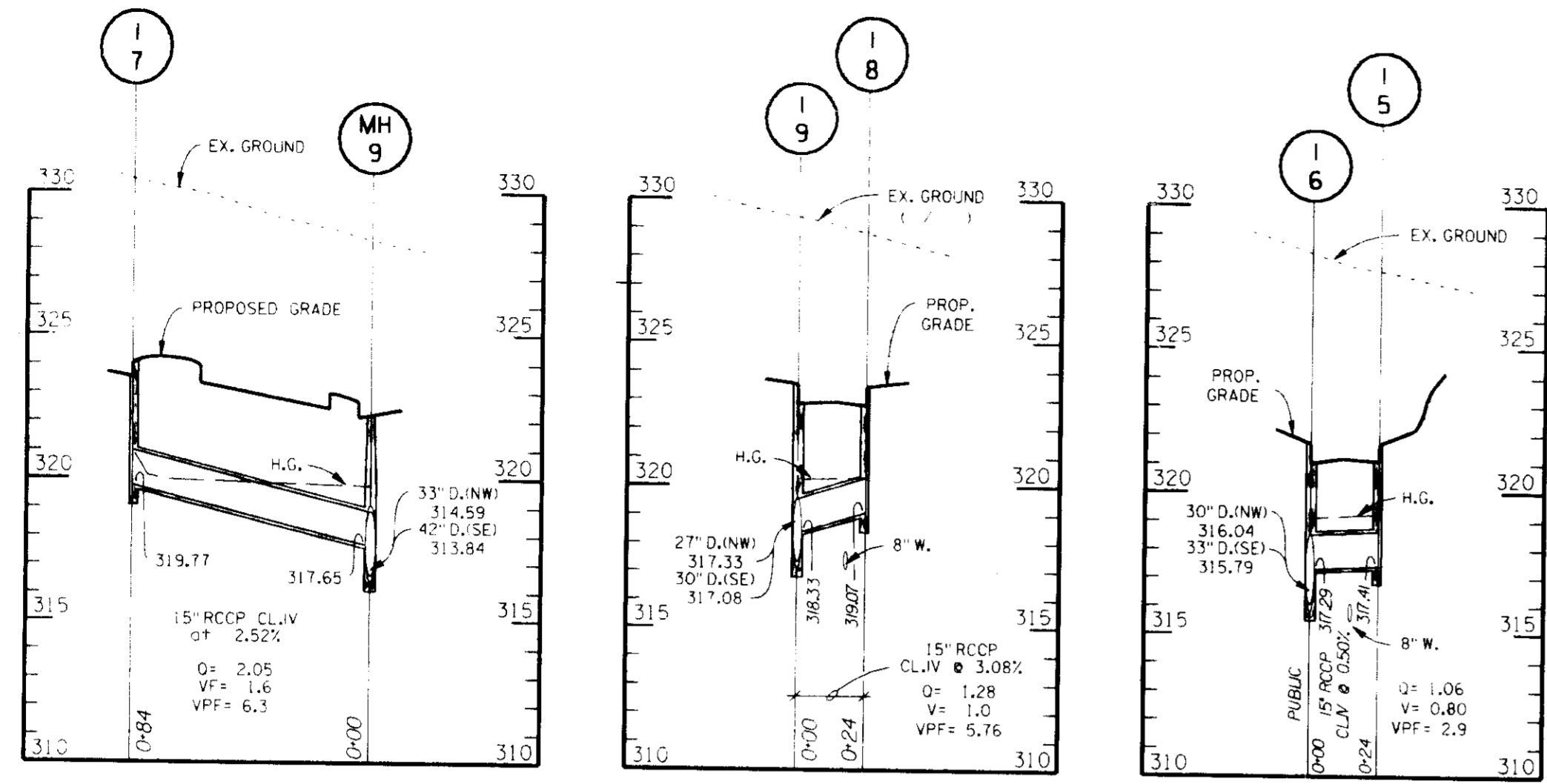
APPROVED: FOR PUBLIC WATER SYSTEMS & PUBLIC SEWER SYSTEMS
 COUNTY HEALTH OFFICER DATE 5-10-89

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR DATE 5-18-89

APPROVED: DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT
 CHIEF DIVISION OF PUBLIC WATER AND STORM DRAINAGE SYSTEMS - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DATE 5-18-89

APPROVED: CHIEF BUREAU OF ENGINEERING DATE 5-3-89

Date	No.	Revision Description
		COLUMBIA GATEWAY PARCELS D-1 & D-2 PHASE 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
OWNER/DEVELOPER		
THE HOWARD RESEARCH AND DEVELOPMENT LAND COMPANY 10275 LITTLE PATRIOT PARKWAY, 220, MDIA, MD 21043		
DAFT McCUNE WALKER, INC. LAND PLANNING CONSULTANTS LANDSCAPE ARCHITECTS ENGINEERS SURVEYORS 200 EAST PENNSYLVANIA AVENUE TOWSON, MD 21284 TELEPHONE: 301-296-3333		
TITLE SITE DEVELOPMENT PLAN SITE PLAN		
SUBDIVISION NAME	COLUMBIA GATEWAY	SECT./AREA N/A
PLAT OR LIT. BLOCK #	6870	LOT/PARCEL # D1 AND D2
WATER CODE		ELEC. DIST. 6
ADDRESS CHART		
LOT NUMBER	STREET ADDRESS	
BLDG A	6705 COLUMBIA GATEWAY DR.	
BLDG B	6715 COLUMBIA GATEWAY DR.	
Des By	JCS	Scale 1" = 50'
Drn By	MC	Proj. No. 88037A
Chk By	Approved	2 OF 9



PIPE SCHEDULE

SIZE	CLASS	QUANTITY	REMARKS
15"	V	558'	
18"	IV	84'	
21"	V	56'	
24"	V	164'	
30"	V	172'	
33"	IV	194'	

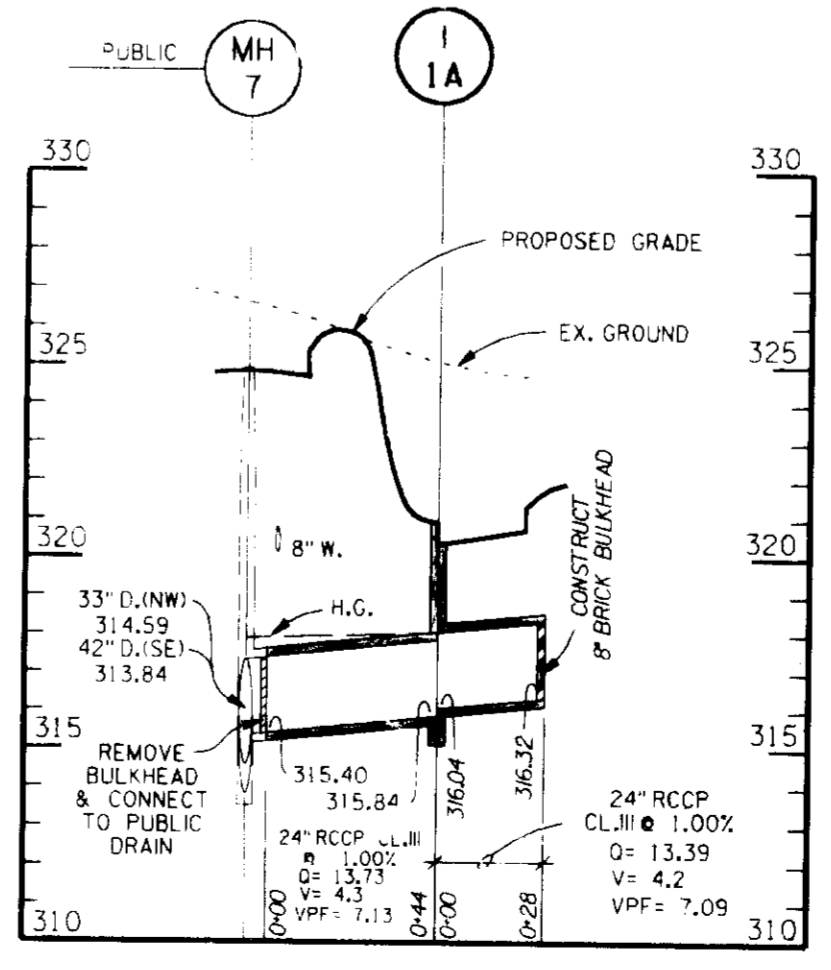
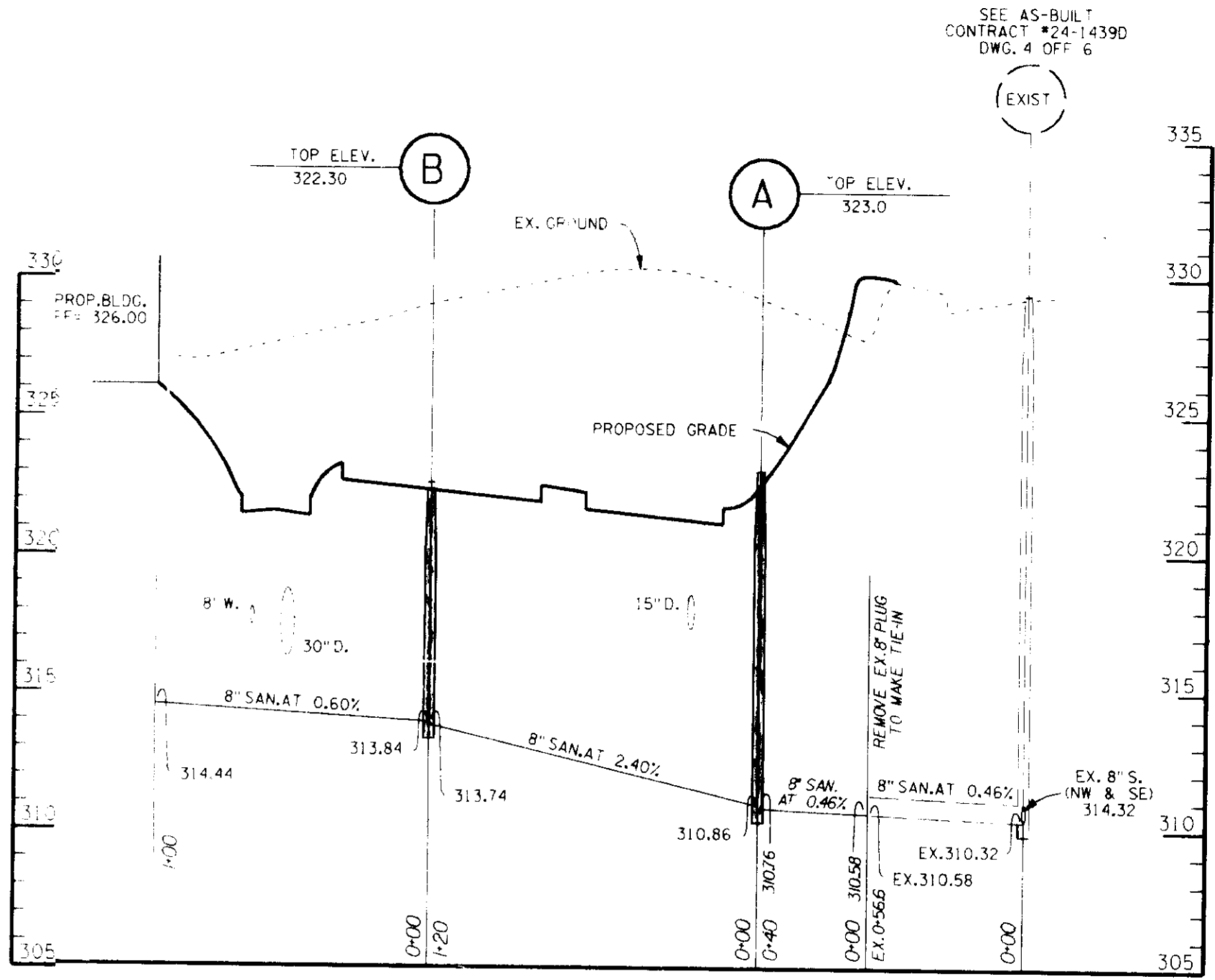
STORM DRAIN MANHOLE SCHEDULE

NO.	TYPE	TOP ELEV.	INV. IN	INV. OUT	REMARKS
8	SHALLOW BRK. MH	322.37	315.34	315.19	SEE HO.C.O.S.T.D. SO. 4.34
9	SHALLOW BRK. MH	322.17	316.25	314.40	SEE HO.C.O.S.T.D. SO. 4.34

INLET SCHEDULE

NO.	TYPE	TOP ELEV. *	INV. IN	INV. OUT	REMARKS
2	DBL. TYPE "S" COMB	321.4	317.00	316.86	SEE HO.C.O.S.T.D. SO. 4.34
3	DBL. TYPE "S" COMB	323.4	319.17	318.93	SEE HO.C.O.S.T.D. SO. 4.34
4	DBL. TYPE "S" COMB	327.5	324.13	323.18	SEE HO.C.O.S.T.D. SO. 4.34
5	TYPE "S" COMB	321.6	317.41	317.41	SEE HO.C.O.S.T.D. SO. 4.34
6	DBL. TYPE "S" COMB	321.60	316.04	315.79	SEE HO.C.O.S.T.D. SO. 4.34
7	DBL. TYPE "S" COMB	324.13	319.17	319.17	SEE HO.C.O.S.T.D. SO. 4.34
8	TYPE "S" COMB	324.1	319.07	319.07	SEE HO.C.O.S.T.D. SO. 4.34
9	DBL. TYPE "S" COMB	324.05	317.33	317.08	SEE HO.C.O.S.T.D. SO. 4.34
10	DBL. TYPE "S" COMB	323.55	317.85	317.65	SEE HO.C.O.S.T.D. SO. 4.34
11	DBL. TYPE "S" COMB	325.25	319.23	318.98	SEE HO.C.O.S.T.D. SO. 4.34
12	DBL. TYPE "S" COMB	324.6	319.94	319.69	SEE HO.C.O.S.T.D. SO. 4.34
1A	A-5 (4" WIDE)	320.8	315.04	315.84	SEE HO.C.O.S.T.D. SO. 4.34

* ELEVATIONS SHOWN ARE AT FACE OF CURB.



APPROVED: FOR PUBLIC WATER SYSTEMS & PUBLIC SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd 5-10-89
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] 5-15-89
PLANNING DIRECTOR

APPROVED: COMMUNITY PLANNING & DEVELOPMENT
[Signature] 5-15-89
DATE

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

[Signature] 5-15-89
DIRECTOR

[Signature] 5-15-89
CHIEF BUREAU OF ENGINEERING

Date: _____ No. _____ Revision: _____ Description: _____

COLUMBIA GATEWAY

PARCELS D-1 & D-2 PHASE 1
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER

THE HOWARD RESEARCH
AND DEVELOPMENT LAND COMPANY

DAFT McCUNE WALKER, INC.

LAND PLANNING CONSULTANTS
LANDSCAPE ARCHITECTS
ENGINEERS SURVEYORS

120 EAST HOWARD AVENUE
ELK LANE
ELK LANE
ELK LANE

TITLE: **SITE DEVELOPMENT PLAN
SANITARY SEWER AND
STORM DRAIN PROFILES**

SUBDIVISION NAME: COLUMBIA GATEWAY SECT./AREA: LOT/PARCEL: D1 & D2
 PLAT/ OR LEFT BLOCK: 1 ZONE: M-1 TAX/ZONE MAP: 43 ELEV. DIST.: 6 SENSUS TR.: 8065-02
 WATER CODE: SEWER CODE:

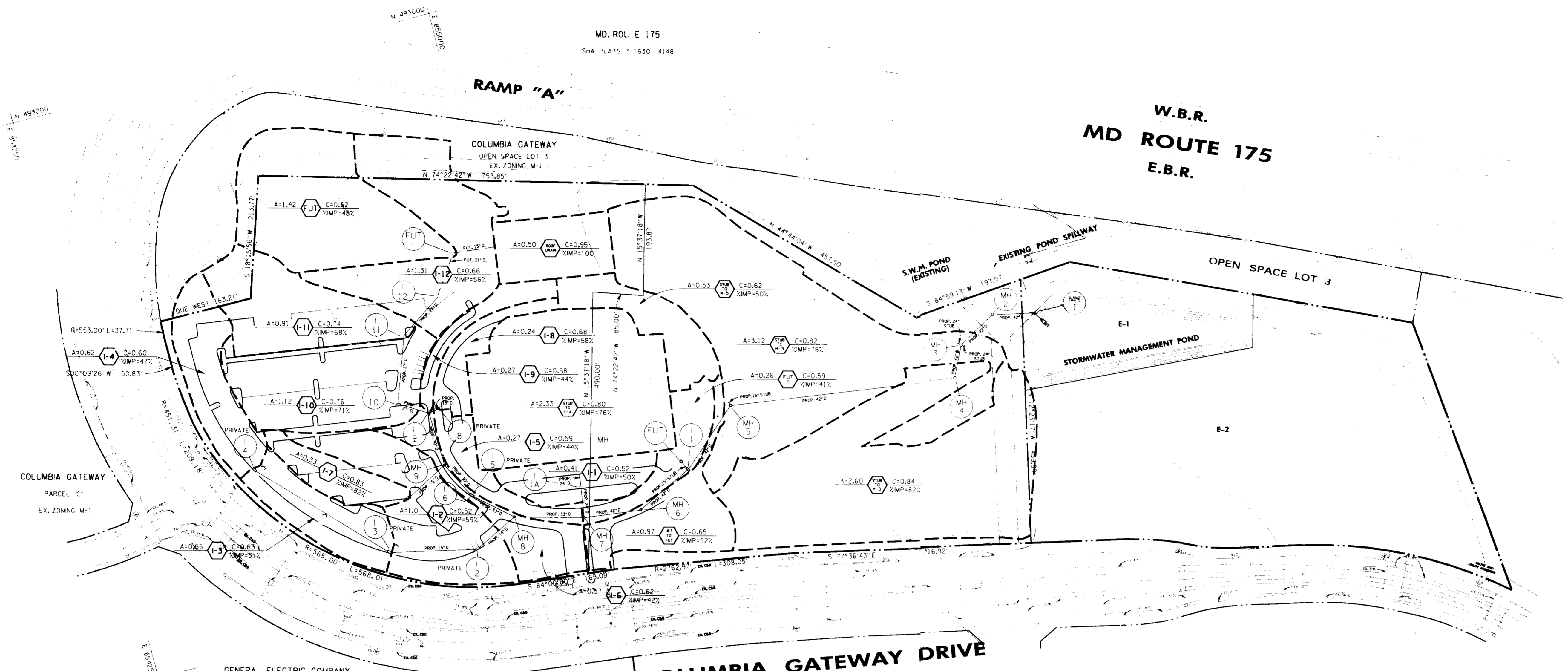
ADDRESS CHART

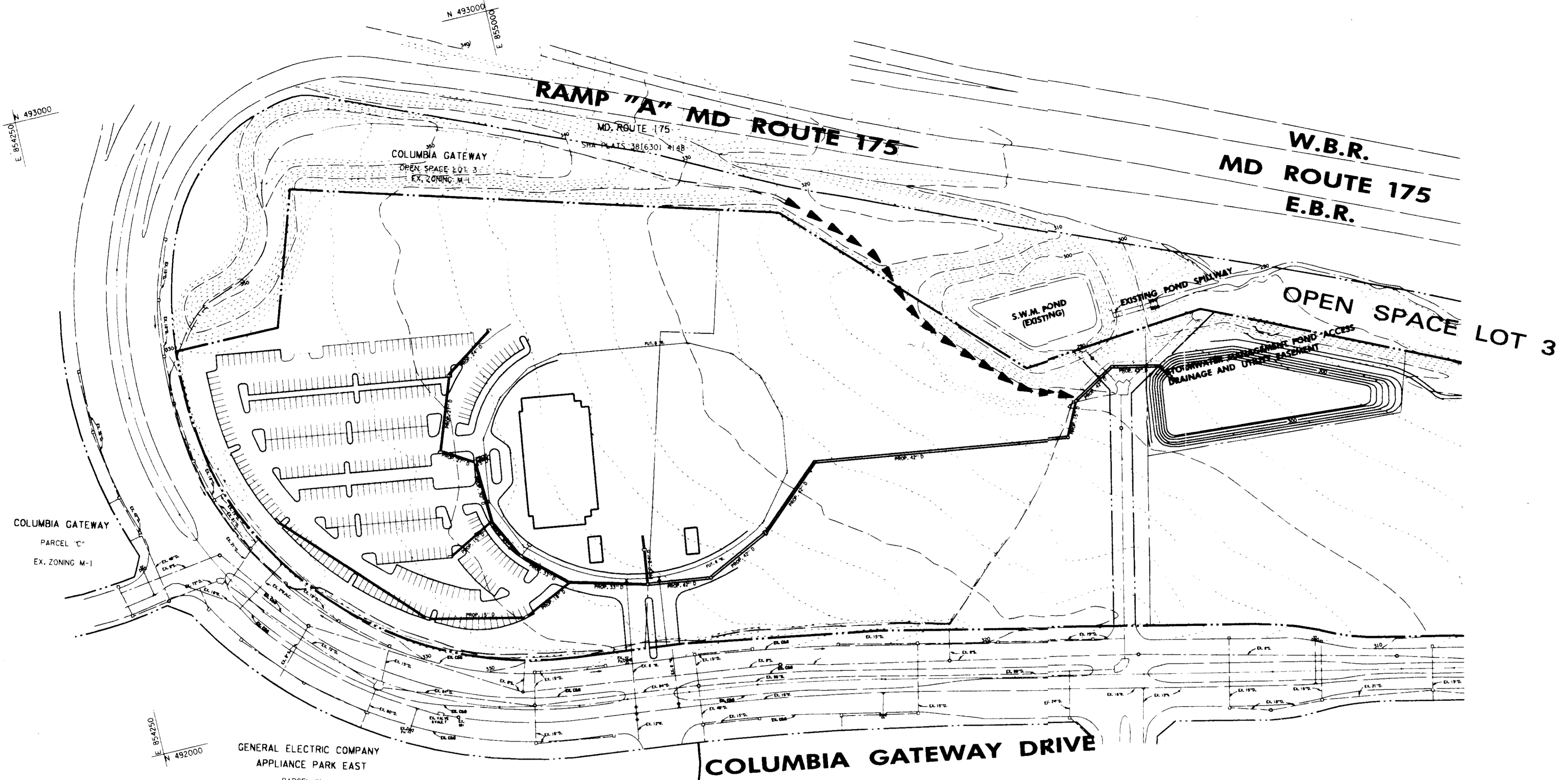
LOT NUMBER	STREET ADDRESS
BLOC. 'A'	6705 COLUMBIA GATEWAY DR.
BLOC. 'B'	6715 COLUMBIA GATEWAY DR.

Des. By: JDC Scale: HOR. 1" = 50' VERT. 1" = 5' Proj. No.:
 Drn. By: MSS-WALI Date: DEC. 19, 1988
 Chk. By: JWR Approved: 3 OF 9

SDP-89-124

MD. ROL E 175
SHA PLATS 1630: 4148





4-3-89

APPROVED: FOR PUBLIC WATER SYSTEMS & PUBLIC SEWER SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 5-10-89
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: *[Signature]* DATE: 11-89
 APPROVED: FOR PUBLIC WATER AND STORM DRAINAGE SYSTEMS - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 5/3/89
 CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 5-3-89

Date	No.	Revision Description

COLUMBIA GATEWAY
 PARCELS D-1 & D-2 PHASE I
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 OWNER/DEVELOPER
 THE HOWARD RESEARCH AND DEVELOPMENT LAND COMPANY

DAFT McCUNE WALKER, INC.
 LAND PLANNING CONSULTANTS
 LANDSCAPE ARCHITECTS
 ENGINEERS SURVEYORS
 700 EAST PENNSYLVANIA AVENUE
 WASHINGTON, MARYLAND 20004
 TELEPHONE: 301-296-1111

TITLE SITE DEVELOPMENT PLAN
 SEDIMENT AND EROSION CONTROL
 DRAINAGE AREA MAP

PLAT* OR L.P.	BLOCK*	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
4870	1	M-1	42	4	505.02

LOT NUMBER	STREET ADDRESS
BLD A	6705 COLUMBIA GATEWAY DR.
BLD B	6719 COLUMBIA GATEWAY DR.

Des By: _____ Scale: 1" = 100' Proj. No. 88037A
 Drn By: _____ Date: 12-7-89
 Cnk By: _____ Approved: _____ 5 OF 9

SEDIMENT CONTROL LEGEND

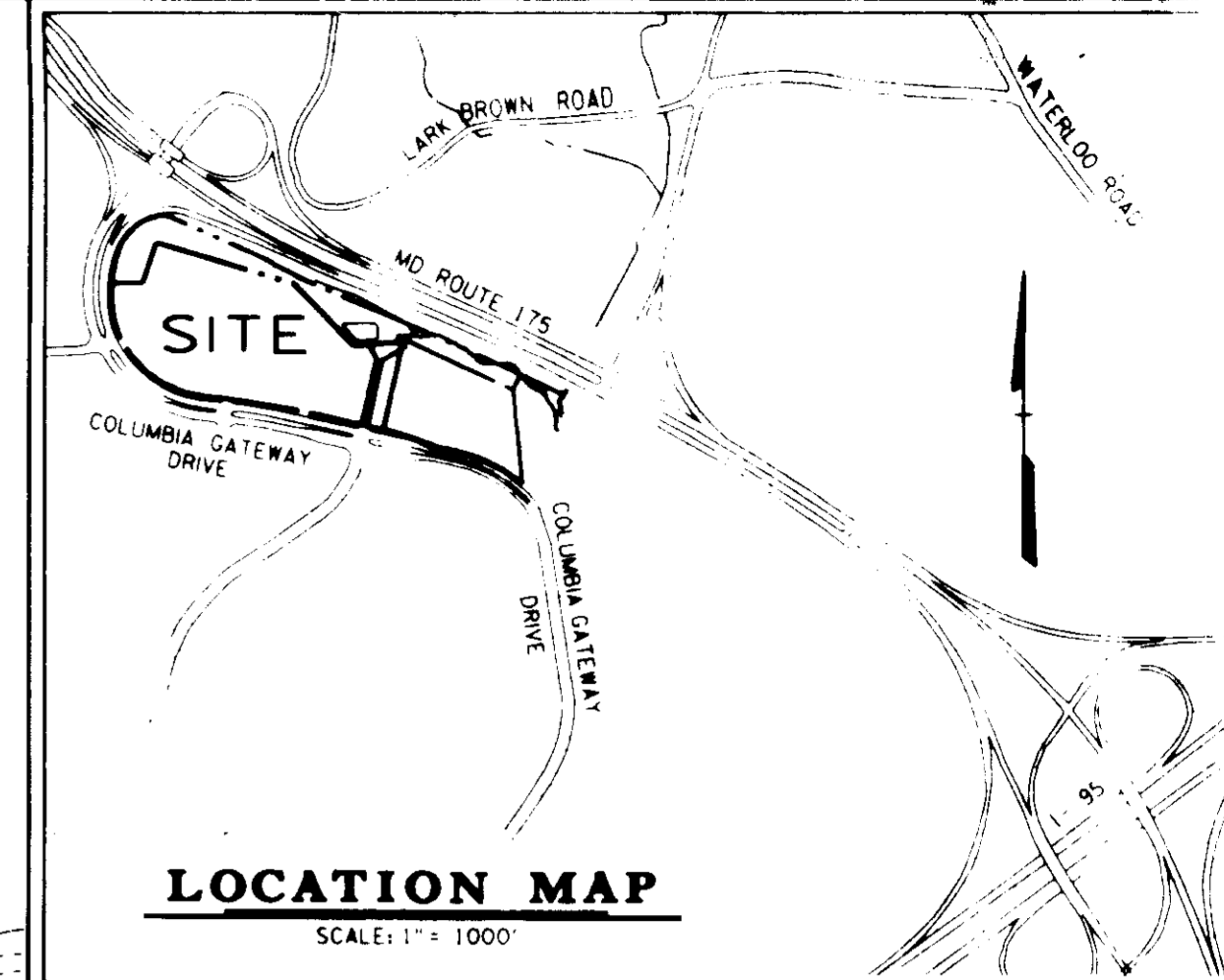
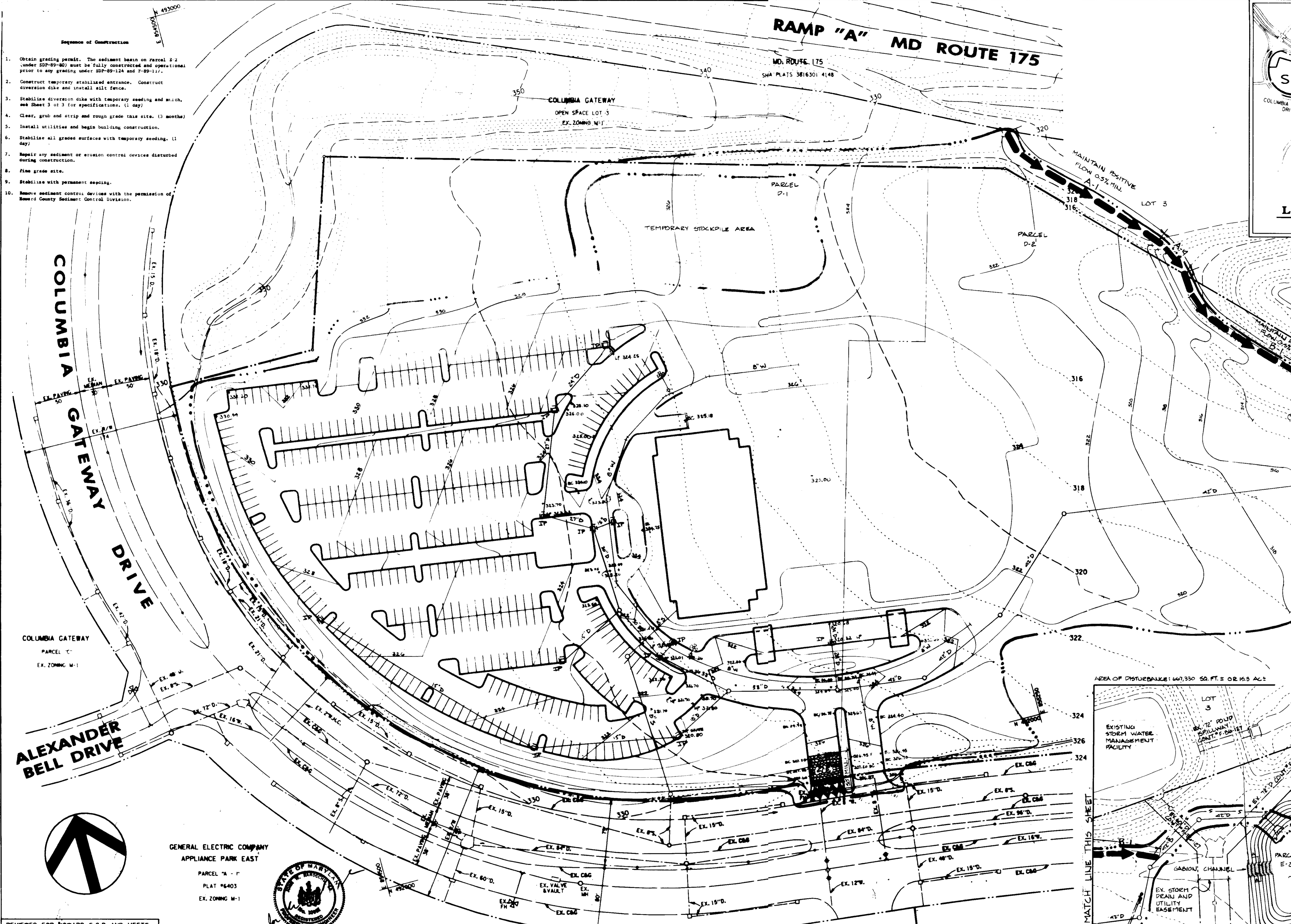
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING DRAINAGE AREA
- PROPOSED DRAINAGE AREA
- LIMIT OF DISTURBANCE
- LIMIT OF TEMPORARY STOCKPILE
- SILT FENCE
- EARTH DIKE
- STABILIZED CONSTRUCTION ENTRANCE
- MOUNTABLE BERM
- INLET PROTECTION
- EARTH DIKE (OVERALL DRAINAGE AREA MAP)

- Sequence of Construction**
- Obtain grading permit. THE SEDIMENT BASIN ON PARCEL E-2 MUST BE FULLY CONSTRUCTED AND OPERATIONAL PRIOR TO ANY GRADING.
 - Construct temporary stabilized entrance. Construct diversion dike and install silt fence.
 - Stabilize diversion dike with temporary seeding and mulch, see sheet 3 or 3 for specifications. (1 day)
 - Clear, grub and strip and rough grade the site. (3 months)
 - Install utilities and begin building construction. (1 year)
 - Stabilize all graded surfaces with temporary seeding. (1 day)
 - Repair any sediment or erosion control devices disturbed during construction.
 - Fine grade site.
 - Stabilize with permanent seeding.
 - Remove sediment control devices with the permission of Howard County Sediment Control Division.

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
[Signature] DATE: 4/4/89
 U.S. SOIL CONSERVATION SERVICE
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] DATE: 4/4/89
 HOWARD S.C.D.

CERTIFICATION BY THE ENGINEER:
 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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] DATE: 12/21/88

CERTIFICATION BY THE DEVELOPER:
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT 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.
[Signature] DATE: 12/21/88



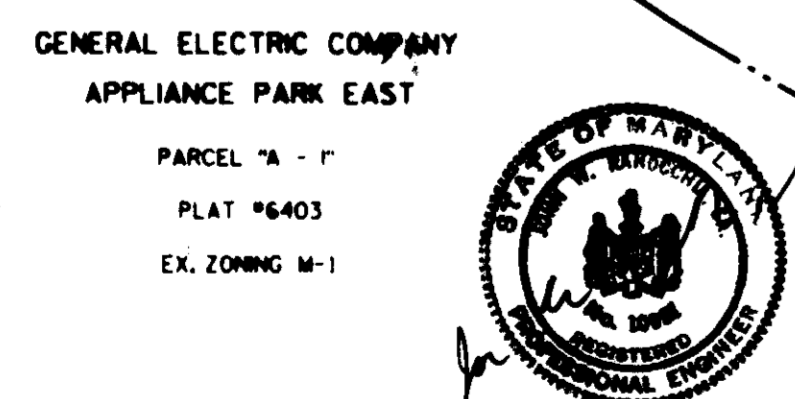
- Sequence of Construction
1. Obtain grading permit. The sediment basin on parcel 2-2 (under SDP-89-80) must be fully constructed and operational prior to any grading under SDP-89-124 and P-89-117.
 2. Construct temporary stabilized entrance. Construct diversion dike and install silt fence.
 3. Stabilize diversion dike with temporary seeding and mulch, see Sheet 3 of 3 for specifications. (1 day)
 4. Clear, grub and strip and rough grade this site. (3 months)
 5. Install utilities and begin building construction.
 6. Stabilize all graded surfaces with temporary seeding. (1 day)
 7. Repair any sediment or erosion control devices disturbed during construction.
 8. Final grade site.
 9. Stabilize with permanent seeding.
 10. Remove sediment control devices with the permission of Howard County Sediment Control Division.

APPROVED
 COMPANY & LAND
 DATE: 4-3-89

APPROVED: FOR PUBLIC WATER SYSTEMS + PUBLIC SEWER SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 APPROVED: FOR PUBLIC WATER AND STORM DRAINAGE SYSTEMS - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Date	No.	Revision Description
		COLUMBIA GATEWAY PARCELS D-1 & D-2 PHASE I 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
		OWNER/DEVELOPER THE HOWARD RESEARCH AND DEVELOPMENT LAND COMPANY
		DAFT McCUNE WALKER, INC. LAND PLANNING CONSULTANTS LANDSCAPE ARCHITECTS ENGINEERS SURVEYORS 200 EAST PENNSYLVANIA AVENUE TOWSON, MD. 21284 TELEPHONE: 301-294-3333

TITLE			
SITE DEVELOPMENT PLAN SEDIMENT AND EROSION CONTROL PLAN			
BLDG	BLK	ZONE	YR/PERM
BLDG A	BLK 1	M-1	43
ADDRESS CHART			
LOT NUMBER	STREET ADDRESS		
BLDG A	6705 COLUMBIA GATEWAY DR		
BLDG B	6715 COLUMBIA GATEWAY DR		
Des By	Scale	1" = 50'	Proj. No.
Drn By	Date	12-7-88	88037A
Chk By	Approved		6 OF 9



CERTIFICATION BY THE ENGINEER:
 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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

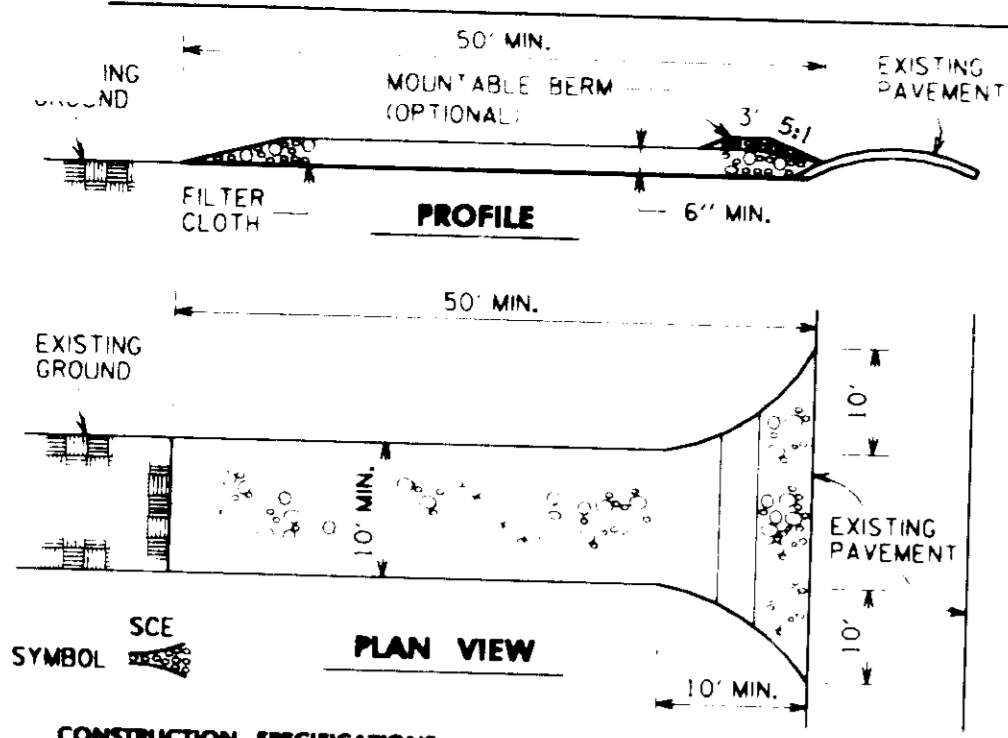
[Signature] 12-21-88
 DATE

CERTIFICATION BY THE DEVELOPER:
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT 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.

[Signature] 12/21/88
 DATE

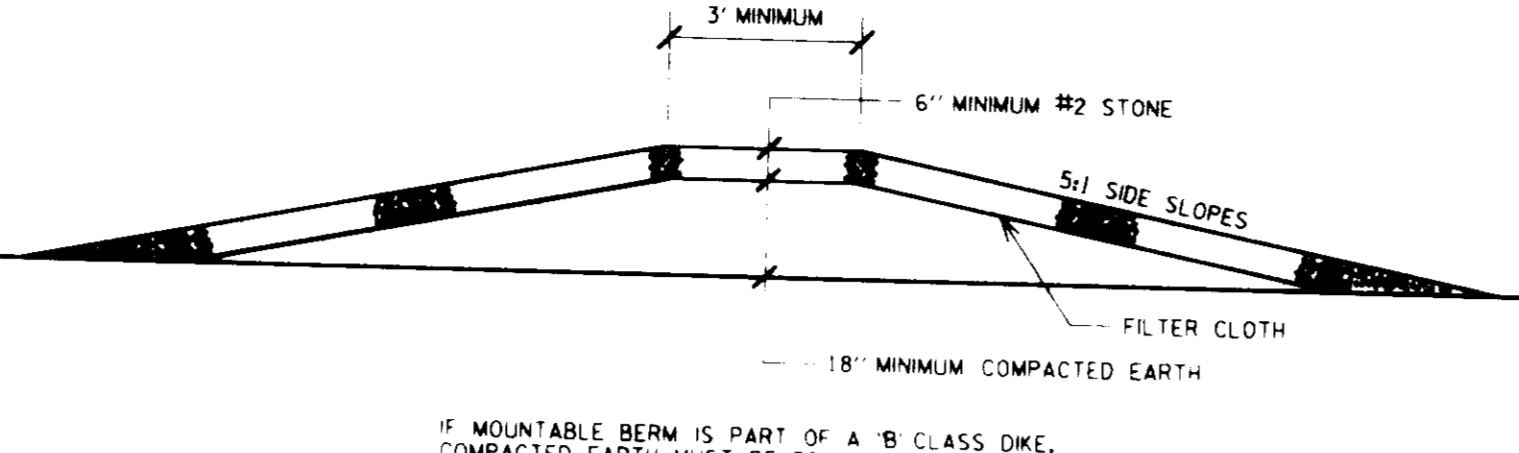
* SEDIMENT CONTROL IN AREA OF SWM FACILITY ON PARCEL E-2 IS ALSO BEING REVIEWED UNDER SITE DEVELOPMENT PLAN SDP-89-80

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
[Signature] 4/4/89
 U.S. SOIL CONSERVATION SERVICE
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] 4/4/89
 HOWARD S.C.D.
 PLAN NUMBER

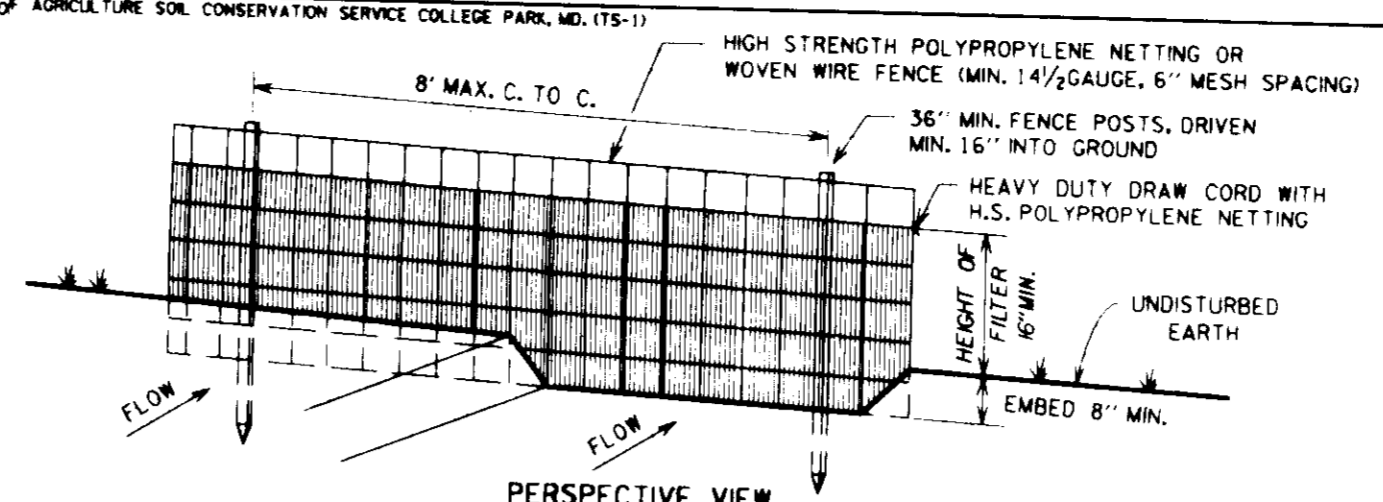


CONSTRUCTION SPECIFICATIONS:

- 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 30 FOOT MINIMUM LENGTH WOULD APPLY.
- THICKNESS: NOT LESS THAN SIX (6) INCHES.
- WIDTH: TEN (10) FOOT MINIMUM.
- 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 ENTRANCE SHALL BE PROTECTED WITH APPROVED STONE AS CONDITIONS DEMAND.
- MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOTTING OR SEDIMENT ONTO PUBLIC RIGHTS OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH APPROVED STONE AS CONDITIONS DEMAND.
- WASHING: WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

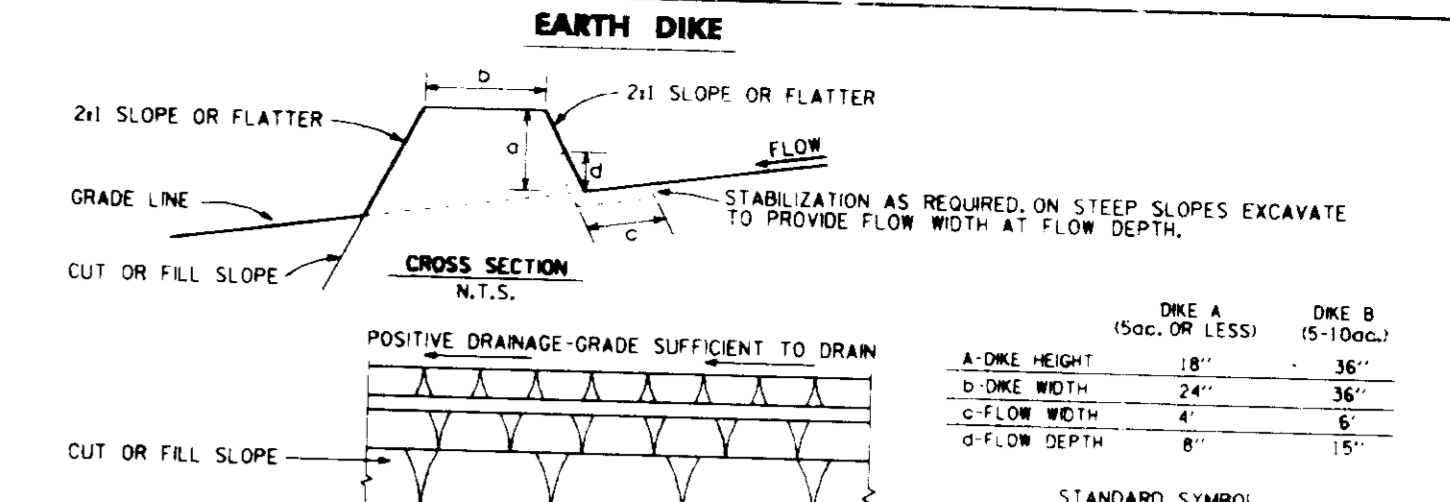


IF MOUNTABLE BERM IS PART OF A 'B' CLASS DIKE, COMPACTED EARTH MUST BE 36" MINIMUM.



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:

- HIGH STRENGTH POLYPROPYLENE NETTING OR 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 TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE.

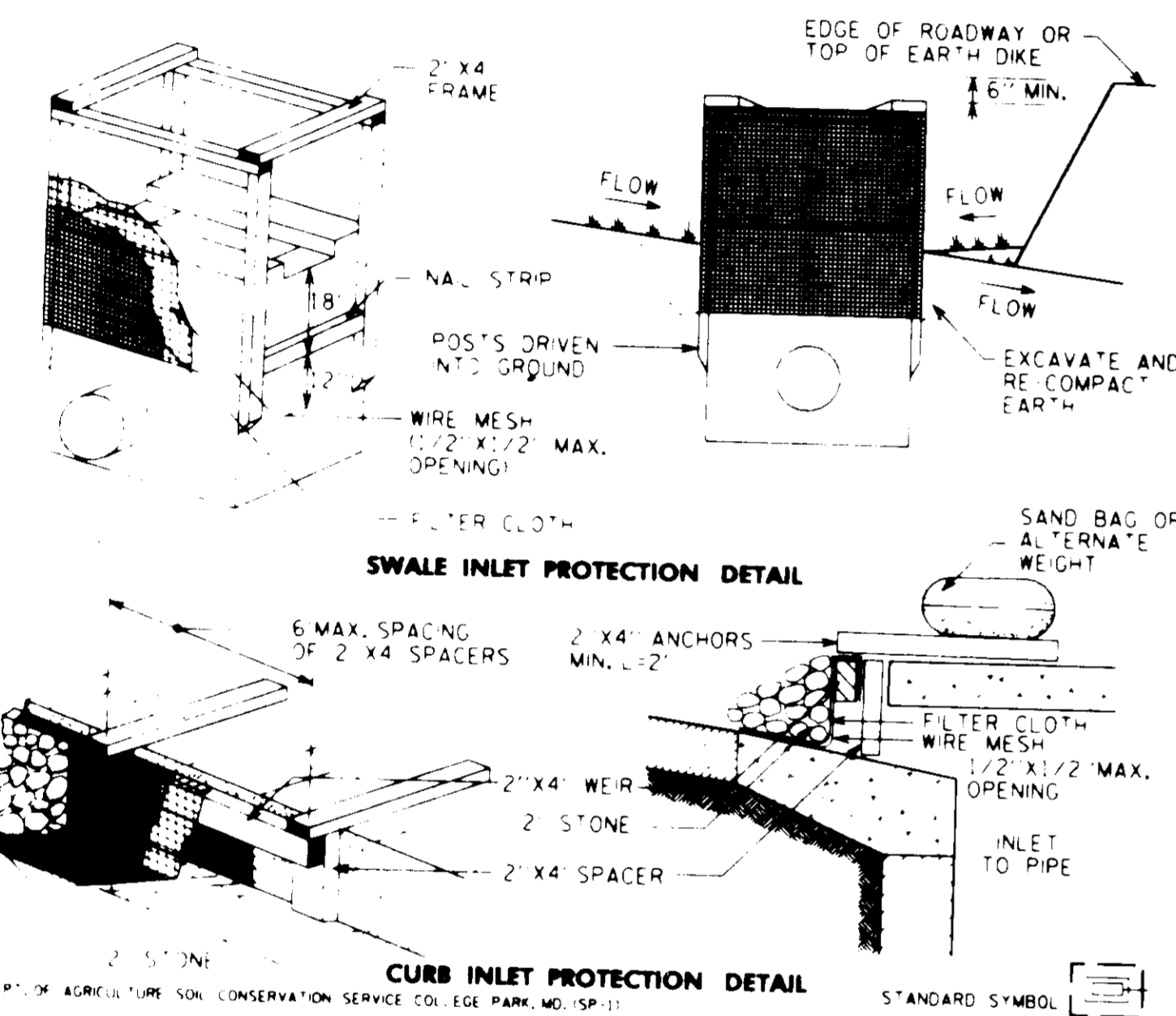


CONSTRUCTION SPECIFICATIONS:

- 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. TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
- STABILIZATION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON. (IF FLOW CHANNEL AS PER THE CHART BEHIND.)

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A		DIKE B	
		SEED AND STRAW MULCH	SEED AND STRAW MULCH	SEED AND STRAW MULCH	SEED AND STRAW MULCH
1	0.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH	SEED AND STRAW MULCH	SEED AND STRAW MULCH
3	5.1-8.0%	SEED WITH JUTE, OR SOO	SEED WITH JUTE, OR SOO	SEED WITH JUTE, OR SOO	SEED WITH JUTE, OR SOO
4	8.1-20%	LINED RIP-RAP 4" X 8"	LINED RIP-RAP 4" X 8"	LINED RIP-RAP 4" X 8"	LINED RIP-RAP 4" X 8"

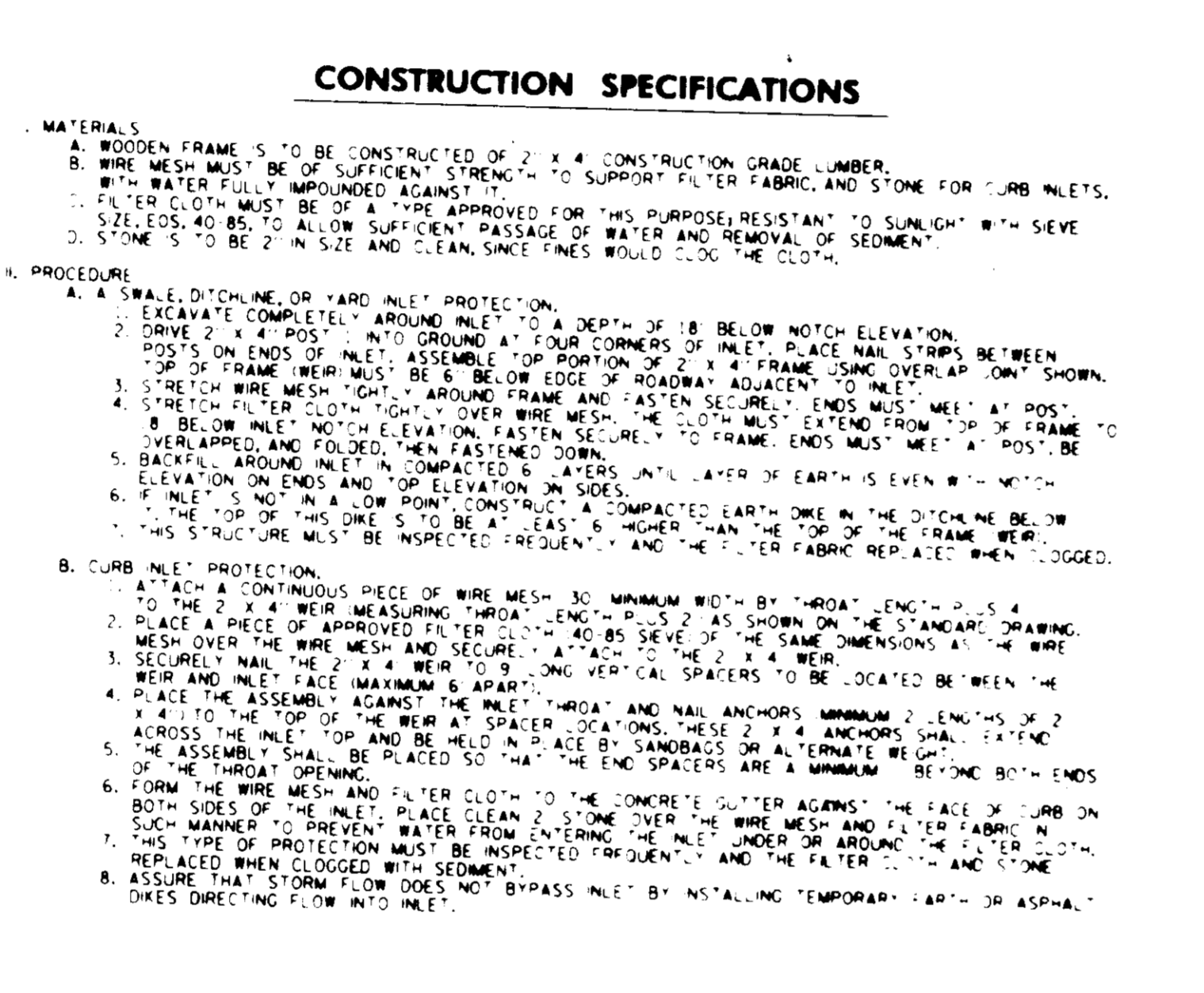
STABILIZED CONSTRUCTION ENTRANCE



CONSTRUCTION SPECIFICATIONS:

- WOODEN FRAME IS TO BE CONSTRUCTED OF 2" X 4" CONSTRUCTION GRADE LUMBER.
- WIRE MESH MUST BE OF SUFFICIENT STRENGTH TO SUPPORT FILTER FABRIC AND STONE FOR CURB INLETS.
- FILTER FABRIC MUST BE OF A TYPE APPROVED FOR THIS PURPOSE, RESISTANT TO SUNLIGHT WITH SEVE SIZE, 1/2" TO 3/4" TO ALLOW SUFFICIENT PASSAGE OF WATER AND REMOVAL OF SEDIMENT.
- STONE IS TO BE 2" IN SIZE AND CLEAN, SINCE FINES WOULD CLOG THE CLOTH.

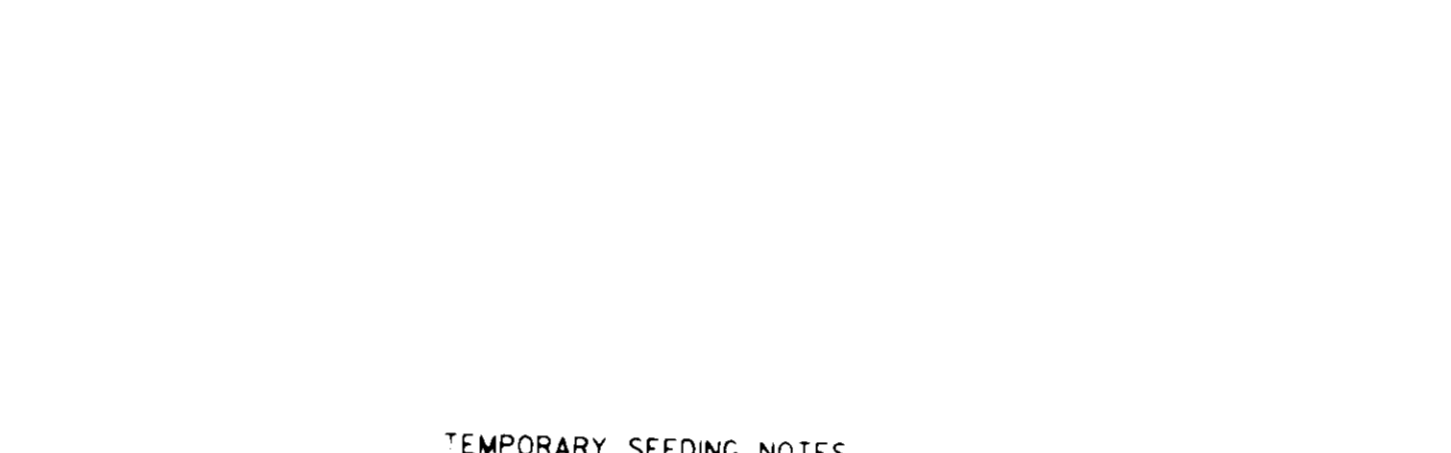
MOUNTABLE BERM DETAIL



CONSTRUCTION SPECIFICATIONS:

- WOODEN FRAME IS TO BE CONSTRUCTED OF 2" X 4" CONSTRUCTION GRADE LUMBER.
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SILT FENCE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:

- HIGH STRENGTH POLYPROPYLENE NETTING OR WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
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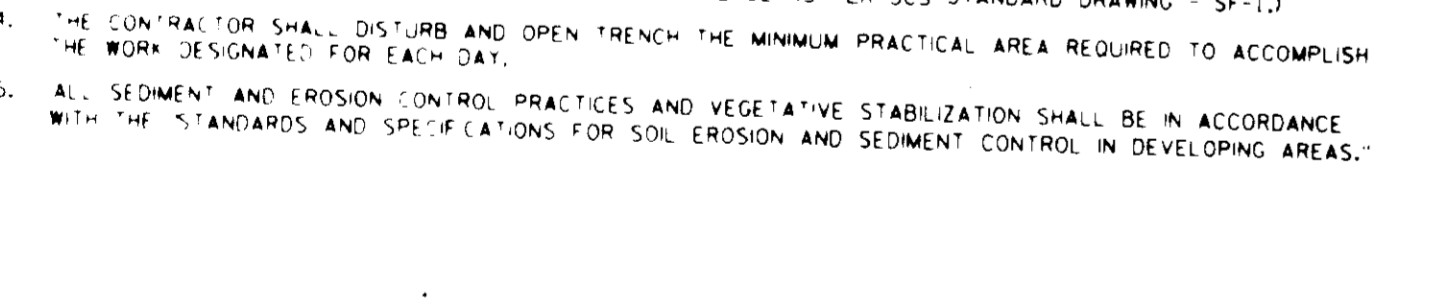
EARTH DIKE



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. TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
- STABILIZATION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON. (IF FLOW CHANNEL AS PER THE CHART BEHIND.)

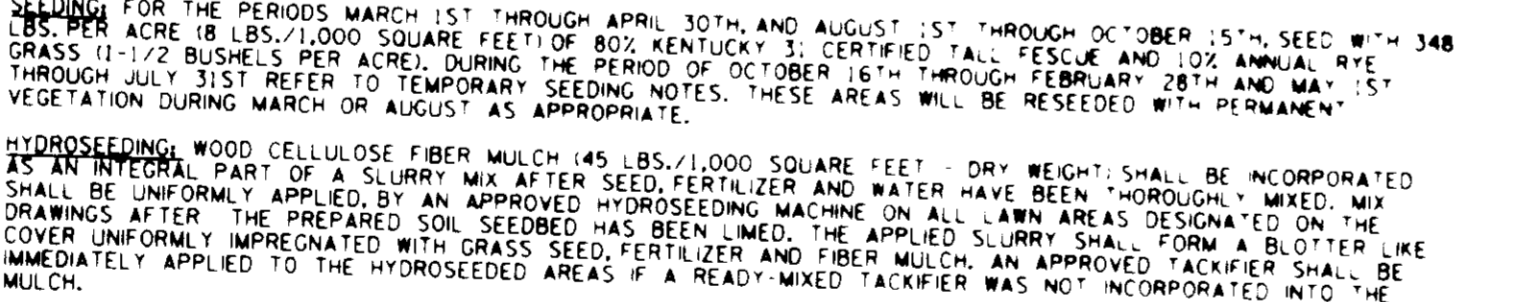
INLET PROTECTION DETAIL



CONSTRUCTION SPECIFICATIONS:

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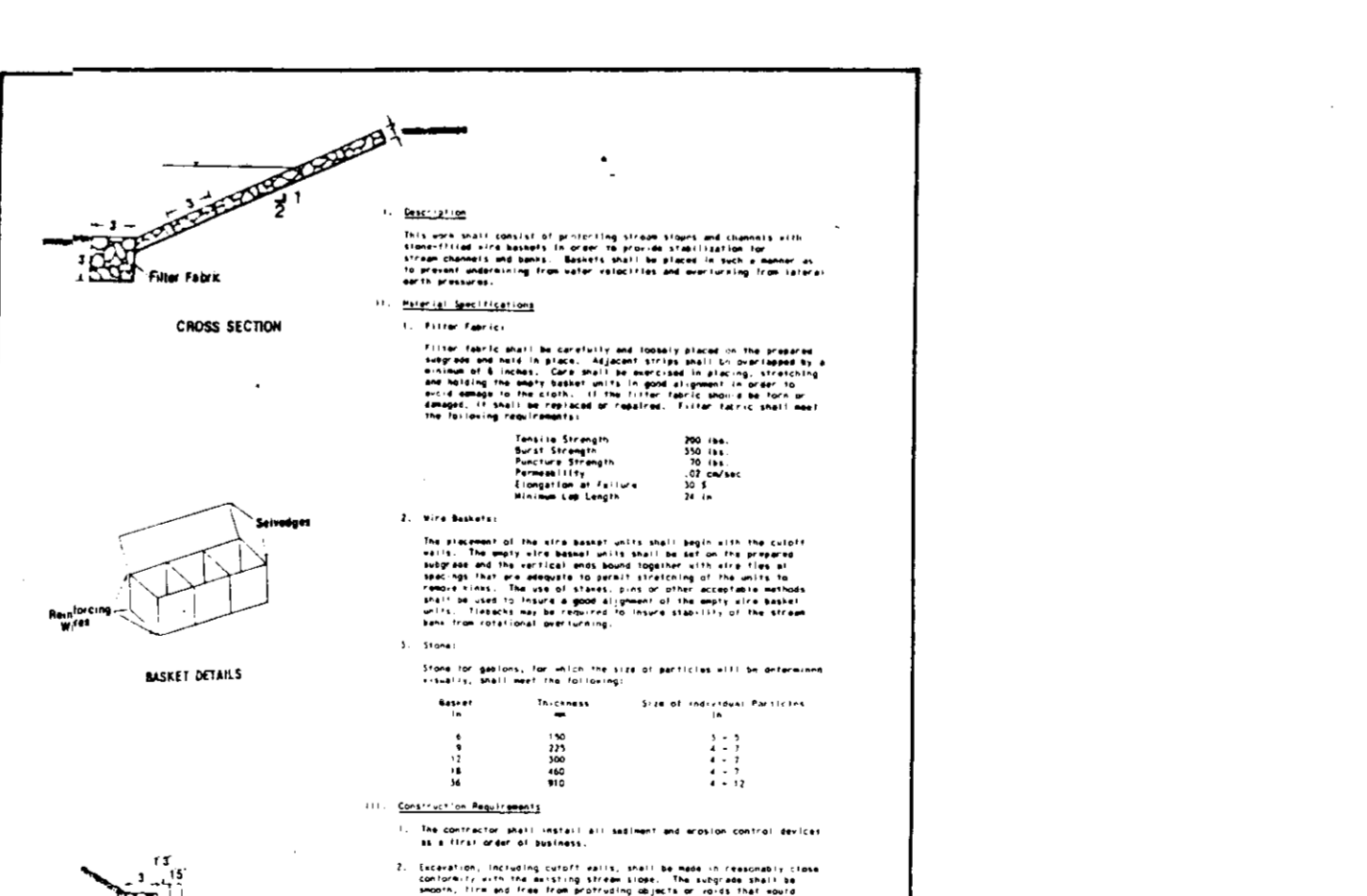
INLET PROTECTION DETAIL



CONSTRUCTION SPECIFICATIONS:

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- STONE IS TO BE 2" IN SIZE AND CLEAN, SINCE FINES WOULD CLOG THE CLOTH.

TEMPORARY SEEDING NOTES



CONSTRUCTION SPECIFICATIONS:

- WOODEN FRAME IS TO BE CONSTRUCTED OF 2" X 4" CONSTRUCTION GRADE LUMBER.
- WIRE MESH MUST BE OF SUFFICIENT STRENGTH TO SUPPORT FILTER FABRIC AND STONE FOR CURB INLETS.
- FILTER FABRIC MUST BE OF A TYPE APPROVED FOR THIS PURPOSE, RESISTANT TO SUNLIGHT WITH SEVE SIZE, 1/2" TO 3/4" TO ALLOW SUFFICIENT PASSAGE OF WATER AND REMOVAL OF SEDIMENT.
- STONE IS TO BE 2" IN SIZE AND CLEAN, SINCE FINES WOULD CLOG THE CLOTH.

TEMPORARY SEEDING NOTES

SEEDING PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY DISCING, RAKING OR OTHER ACCEPTABLE MEANS. REMOVE ALL STONES LARGER THAN 1/2" INCH IN SIZE.

SOIL AMENDMENTS: APPLY 2 TONS PER ACRE OF GROUND DOLOMITIC LIMESTONE (80% KENTUCKY 3) CERTIFIED TALL FESCUE AND 1/2" ANNUAL RYE GRASS (11/22 BUSHELS PER ACRE) DURING THE PERIOD OF OCTOBER 16TH THROUGH FEBRUARY 28TH AND MAY 1ST THROUGH JULY 31ST REFER TO TEMPORARY SEEDING NOTES. THESE AREAS WILL BE RESEEDED WITH PERMANENT SEEDING AS SPECIFIED.

HYDROSEEDING: WOOD CELLULOSE FIBER MULCH (45 LBS./1,000 SQUARE FEET DRY WEIGHT) SHALL BE INCORPORATED AS AN INTEGRAL PART OF A SLURRY MIX AFTER SEED, FERTILIZER AND WATER HAVE BEEN THOROUGHLY MIXED. MIX DRAWINGS AFTER THE PREPARED SOIL SEEDING HAS BEEN LINED. THE APPLIED SLURRY SHALL FORM A BLOTTER LIKE COVER UNIFORMLY IMPREGATED WITH GRASS SEED, FERTILIZER AND FIBER MULCH. AN APPROVED TRACKER SHALL BE IMMEDIATELY APPLIED TO THE HYDROSEEDED AREAS IF A READY-MIXED TRACKER WAS NOT INCORPORATED INTO THE MULCH.

MAINTENANCE: SEEDING AREAS SHALL BE WATERED AND MAINTAINED UNTIL A THICK STAND OF GRASS IS ESTABLISHED. BARE SPOTS WHICH PERSIST AFTER THREE WEEKS OF FAVORABLE GROWING WEATHER SHALL BE RE-CULTIVATED AND RESEED AS SPECIFIED EXCEPT THAT LIME AND FERTILIZER MAY BE OMITTED. LAMB AREAS SHALL BE MOVED TO MAINTAIN TURF BETWEEN 2 INCHES AND 4 INCHES AT ALL TIMES UNTIL A THICK STAND OF TURF IS ESTABLISHED.

UTILITY CONSTRUCTION OUTSIDE SEDIMENT CONTROL

UTILITY CONSTRUCTION OUTSIDE SEDIMENT CONTROL PRACTICES:

- EXCAVATED TRENCH MATERIAL SHALL BE PLACED ON UPSTREAM SIDE OF TRENCH.
- IMMEDIATELY FOLLOWING PIPE INSTALLATION, THE TRENCH SHALL BE BACKFILLED, COMPACTED AND IMMEDIATELY STABILIZED (MULCHED, SEEDING, AND/OR SOODED MECHANICAL STABILIZATION) AT THE END OF EACH WORK DAY.
- SILT FENCE SHALL BE PLACED IMMEDIATELY DOWN STREAM OF ANY DISTURBED AREA INTENDED TO REMAIN DISTURBED LONGER THAN ONE (1) WORKING DAY. SILT FENCE AS PER SCS STANDARD DRAWING (S-11).
- THE CONTRACTOR SHALL DISTURB AND OPEN TRENCH THE MINIMUM PRACTICAL AREA REQUIRED TO ACCOMPLISH THE WORK DESIGNATED FOR EACH DAY.
- ALL SEDIMENT AND EROSION CONTROL PRACTICES AND VEGETATIVE STABILIZATION SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS.

PERMANENT SEEDING NOTES

SEEDING PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS. REMOVE ALL STONES LARGER THAN 1/2" INCH IN SIZE.

SOIL AMENDMENTS: APPLY 2 TONS PER ACRE OF GROUND DOLOMITIC LIMESTONE (80% KENTUCKY 3) CERTIFIED TALL FESCUE AND 1/2" ANNUAL RYE GRASS (11/22 BUSHELS PER ACRE) DURING THE PERIOD OF OCTOBER 16TH THROUGH FEBRUARY 28TH AND MAY 1ST THROUGH JULY 31ST REFER TO TEMPORARY SEEDING NOTES. THESE AREAS WILL BE RESEEDED WITH PERMANENT SEEDING AS SPECIFIED.

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CROSS-SECTION A-A

14' x 10'

GABIONS FILTER FABRIC

APPROVED

DATE: 4-3-89

APPROVED: FOR PUBLIC WATER SYSTEMS + PUBLIC SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

APPROVED: FOR PUBLIC WATER AND STORM DRAINAGE SYSTEMS - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Date	No.	Revision	Description

COLUMBIA GATEWAY

PARCELS D-1 & D-2 PHASE I
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER
THE HOWARD RESEARCH AND DEVELOPMENT LAND COMPANY

DRAFT MCGUIRE WALKER INC.
LAND PLANNING CONSULTANTS
LANDSCAPE ARCHITECTS
ENGINEERS SURVEYORS
200 EAST PENNSYLVANIA AVENUE
TOWSON, MD 21286
TELEPHONE: 301-296-5333

TITLE: SITE DEVELOPMENT PLAN
SEDIMENT AND EROSION CONTROL PLAN DETAILS

SUBDIVISION NAME: COLUMBIA GATEWAY
BLK/LOT: 6070/1
ZONE: H-1
TAX/ZONE MAP: 6
ELEC. DIST.: 6
CENSUS TR.: 2005 02

WATER CODE:
SEWER CODE:

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
BLDB A	4705 COLUMBIA GATEWAY DR
BLDB B	4715 COLUMBIA GATEWAY DR

Des By: Scale 1" = 50'
Drn By: Date 12-7-05
Chk By: Approved

Proj. No. 88037A
7 OF 9

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

James M. Helm
U.S. SOIL CONSERVATION SERVICE

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

Howard S.C.D.

CERTIFICATION BY THE ENGINEER:

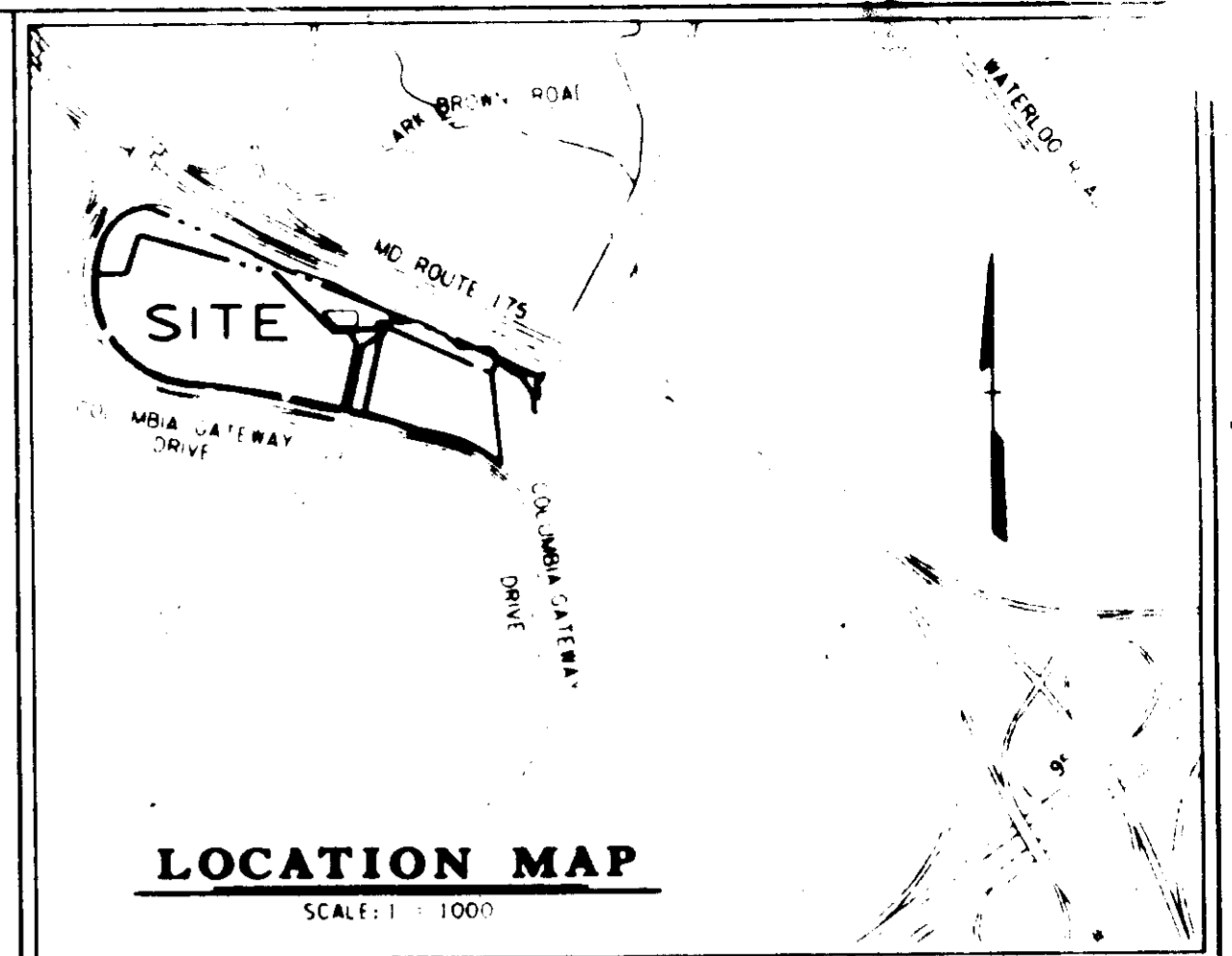
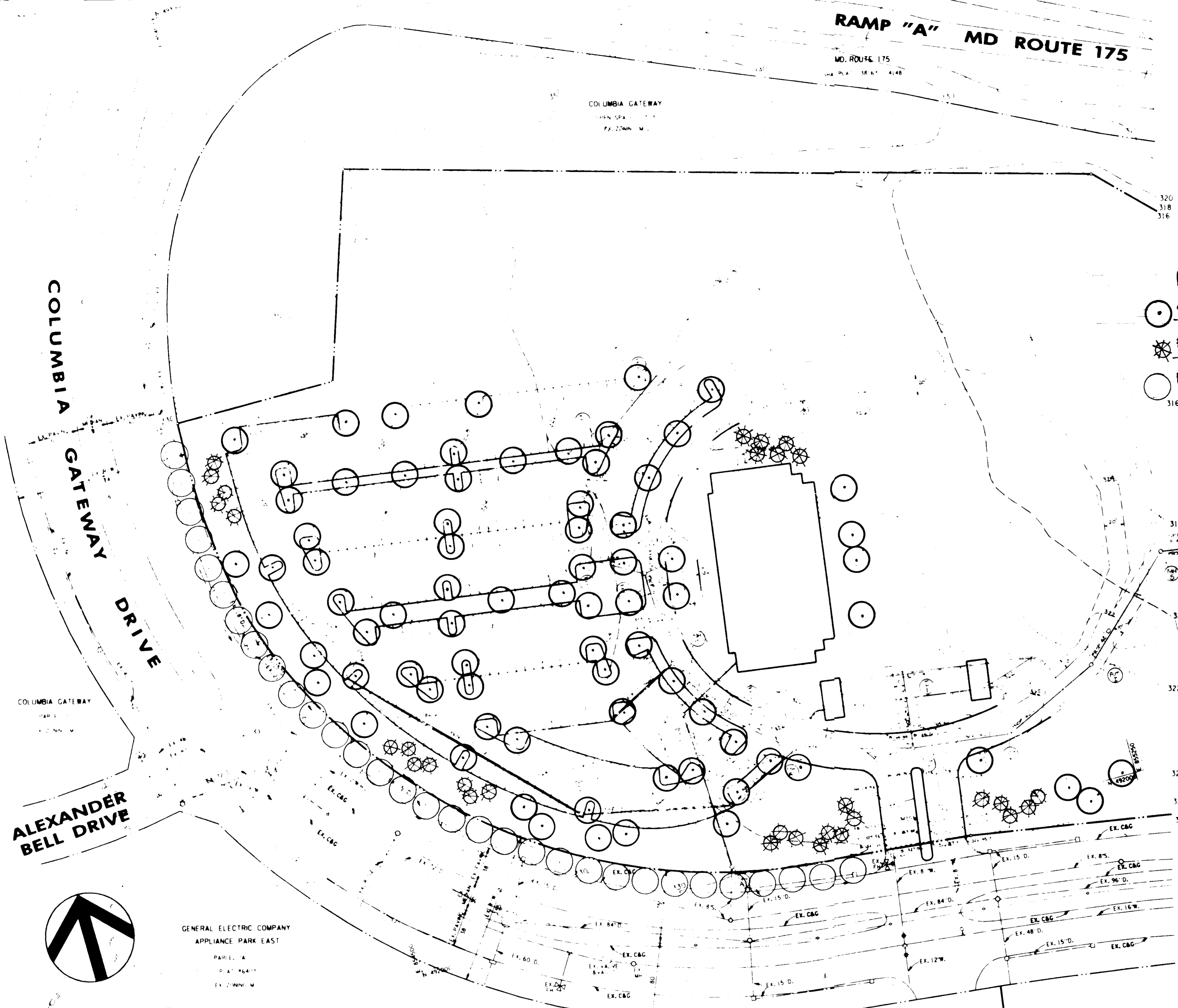
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

12/16/09

CERTIFICATION BY THE DEVELOPER:

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT 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.

12/21/08



LANDSCAPING LEGEND

Symbol	Tree Type	Size	Quantity
○	OVERHEAD CANOPY TREE - MAPLE, ASH, OAK	26-30" MIN.	71
⊗	EVERGREEN TREE - PINES, FIR, SPRUCE	6-8' MIN.	31
○	EXISTING STREET TREES		



APPROVED
DIVISION OF
COMMUNITY PLANNING
& LAND DEVELOPMENT
HOWARD COUNTY,
MARYLAND
DATE: 4-3-89
Cm

APPROVED: FOR PUBLIC WATER SYSTEMS & PUBLIC SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 5-11-89

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 5-18-89

APPROVED: FOR PUBLIC WATER AND STORM DRAINAGE SYSTEMS - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 5-18-89

Date No. Revision Description

COLUMBIA GATEWAY
PARCELS D-1 & D-2 PHASE I
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER
THE HOWARD RESEARCH
AND DEVELOPMENT LAND COMPANY

DAFT McCUNE WALKER, INC.
LAND PLANNING CONSULTANTS
LANDSCAPE ARCHITECTS
ENGINEERS SURVEYORS
700 EAST PENNSYLVANIA AVENUE
BETHESDA, MD 20814
TELEPHONE 301-296-1331

TITLE: SITE DEVELOPMENT PLAN
LANDSCAPE PLAN

SUBDIVISION NAME	COLUMBIA GATEWAY	SECT./AREA	LOT/PARCEL #
PLAT OR L.P.	6870	ZONE	M-1
TAX/ZONE MAP	48	ELEC. DIST.	6
WATER CODE		SEWER CODE	6025.02

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
Bldg A	6705 COLUMBIA GATEWAY DR
Bldg B	6715 COLUMBIA GATEWAY DR

Des By: Scale: 1" = 50' Proj. No. 88037A
 Drn By: Date: 8 OF 9
 Chk By: Approved

GENERAL ELECTRIC COMPANY
APPLIANCE PARK EAST
PARCEL 1A
D. 21-6641
EX. ZONING M

COLUMBIA GATEWAY
PARCEL T
EX. ZONING M 1

REVIEWED FOR HOWARD S.C.D. AND MEETS
TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE DATE

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

HOWARD S.C.D. DATE

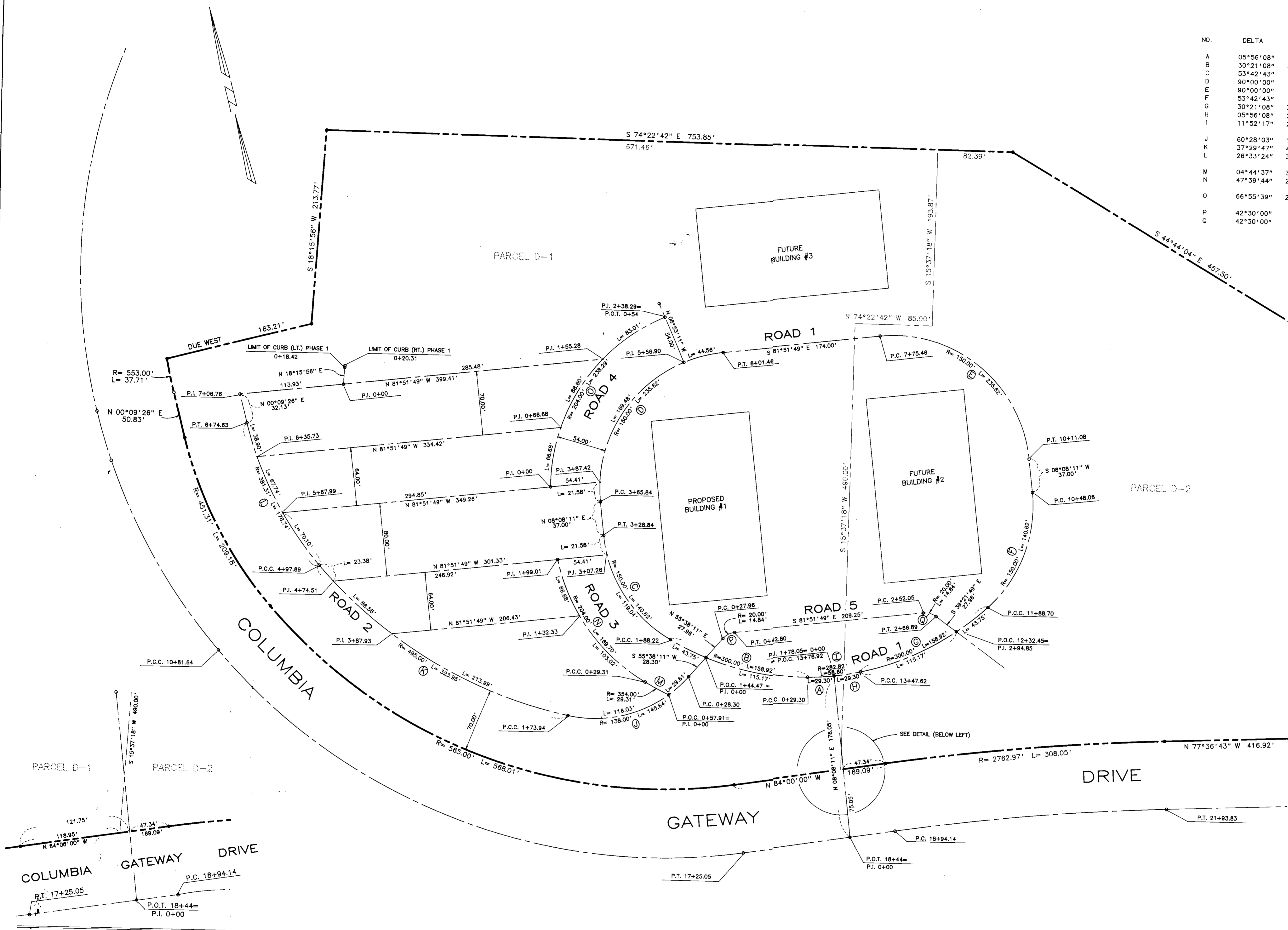
PLAN NUMBER DATE

CERTIFICATION BY THE ENGINEER:
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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

DATE

CERTIFICATION BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

DATE



NO.	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD	TANGENT
ROAD 1						
A	05°56'08"	282.82'	29.30'	N 78°53'45" W	29.29'	14.66'
B	30°21'08"	300.00'	158.92'	N 60°45'07" W	157.07'	81.37'
C	53°42'43"	150.00'	140.62'	N 18°43'11" W	135.52'	75.95'
D	90°00'00"	150.00'	235.62'	N 53°08'11" E	212.13'	150.00'
E	53°42'43"	150.00'	140.62'	S 34°59'32" W	135.52'	75.95'
F	30°21'08"	300.00'	158.92'	S 77°01'28" W	157.07'	81.37'
G	05°56'08"	282.82'	29.30'	N 84°49'53" W	29.29'	14.66'
H	11°52'17"	282.82'	58.60'	N 81°51'49" W	58.49'	29.40'
ROAD 2						
J	60°28'03"	138.00'	145.64'	S 85°52'12" W	138.97'	80.43'
K	37°29'47"	495.00'	323.95'	N 45°08'53" W	318.20'	168.01'
L	26°33'24"	381.31'	176.74'	N 13°07'11" W	175.16'	89.99'
ROAD 3						
M	04°44'37"	354.00'	29.31'	N 47°56'51" W	29.30'	14.66'
N	47°39'44"	204.00'	169.70'	N 21°44'41" W	164.85'	90.11'
ROAD 4						
O	66°55'39"	204.00'	238.29'	N 47°38'59" E	224.98'	134.84'
ROAD 5						
P	42°30'00"	20.00'	14.84'	N 76°53'11" E	14.50'	7.78'
Q	42°30'00"	20.00'	14.84'	S 60°36'49" E	14.50'	7.78'

APPROVED
 DIVISION OF PUBLIC WORKS
 & LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE: 4-3-89

APPROVED: FOR PUBLIC WATER SYSTEMS + Related Sewer Systems
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 5-8-89

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR
 DATE: 5-18-89

APPROVED: FOR PUBLIC WATER AND STORM DRAINAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR
 DATE: 5-13-89

APPROVED: CHIEF BUREAU OF ENGINEERING
 DATE: 5-2-89

Date	No.	Revision Description

COLUMBIA GATEWAY
 PARCELS D-1 AND D-2, PHASE ONE
 8TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER / DEVELOPER
 THE HOWARD RESEARCH
 AND DEVELOPMENT LAND COMPANY

DAFT McCUNE WALKER, INC.
 LAND PLANNING CONSULTANTS
 LANDSCAPE ARCHITECTS
 ENGINEERS SURVEYORS
 200 EAST PENNSYLVANIA AVENUE
 BOWEN, MD. 21024
 TELEPHONE: 301-296-3333

TITLE
 SITE DEVELOPMENT PLAN
 & ROAD STAKEOUT PLAN

SUBDIVISION NAME	COLUMBIA GATEWAY	SECT./AREA	N/A	LOT/PARCEL	D1 AND D2
PLAT OR L.P.	6870	BLOCK	M-1	TAX/ZONE MAP	43
WATER CODE		ELEC. DIST.	6	CENSUS TR.	0045.02

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
BLDG A	6705 COLUMBIA GATEWAY DR.
BLDG B	6715 COLUMBIA GATEWAY DR.

Des By: _____ Scale: _____ Proj. No.: _____
 Dwn By: _____ Date: _____ 9 OF 9
 Chk By: _____ Approved: _____

