

VICINITY MAP
SCALE: 1" = 2000'

BENCH MARKS:
 WK 4 A * B ELEV. 326.65
 R.R. SPIKE IN BASE OF 14" OAK 45' LEFT OF E. COLUMBIA GATEWAY DRIVE STA 115+40
 WK 1 A * B ELEV. 331.66
 R.R. SPIKE IN BASE OF 10" TWIN POPULAR 75' LEFT OF E. COLUMBIA GATEWAY DRIVE STA 125+45

REFERENCE PREVIOUS PLANS:
 PLAT # 24-1435-D, 24-1440-D, 24-1546-D
 CONTRACT # 24-1435-D, 24-1440-D, 24-1546-D
 FB 6-102, P. 50-127, F. 07-C4
 GP 87-24, SDP 88-235

COLUMBIA GATEWAY
 PARCEL M-1
 PLAT NO. 7470
 EX ZONING M-1
 SDP 88-145
 OWNER: COLUMBIA GATEWAY DRIVE LAND HOLDINGS LIMITED PARTNERSHIP

COLUMBIA GATEWAY
 PARCEL H-2
 PLAT NO. 6969
 EX ZONING M-1
 SDP 87-154
 TECH. EXP. 2-1 LIMITED PARTNERSHIP

LEGEND

- PROPERTY LINE
- BUILDING RESTRICTION LINE
- EX GROUND
- PROP GRADE
- EX CURB & GUTTER
- PROP CURB & GUTTER
- EX WATER
- PROP WATER
- EX SANITARY SEWER
- PROP SANITARY SEWER
- EX STORM DRAINS
- PROP STORM DRAINS
- PROP HANDICAPPED PARKING
- NUMBER OF PARKING SPACES
- P-D PAVING
- SOL BORINGS
- HANDICAP DETAIL
- PROP FIRE HYDRANT
- PARCEL DUMPSITE PLOT TYP
- LIMIT OF SUBMITTAL

NOTE: THE PURPOSE OF THIS REVISION IS TO MOVE BUILDING 'G' BACK INSIDE TO PRESERVE TREES ALONG COLUMBIA GATEWAY DRIVE.

B * THERE ARE NO VETLANDS ON THIS SITE
 1) SDP 90-91 IS APPLICABLE ONLY FOR THE AREA DESIGNATED (LIMIT OF SUBMITTAL) AS PROPOSED BLDG 'G'.
 2) REFERENCE SDP 88-235 FOR LOT M-2 AND REMAINDER OF PARCEL M-2.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT & MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

James M. Hester 5-15-90
 S. SOIL CONSERVATION SERVICE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *Robert Z. Johnson* 5-15-90
 HOWARD SOIL CONSERVATION DISTRICT

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

Joseph M. Zogulac 9-27-90
 COUNTY HEALTH OFFICER
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING.

W. H. ... 11-21-90
 DIRECTOR

Frank ... 11-15-90
 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 ... 9-24-90
 DIRECTOR

Robert ... 9-15-90
 CHIEF BUREAU OF ENGINEERING, MK
 DATE: 9/15/90

ADDRESS CHART

BUILDING #	STREET ADDRESS	SECTION	AREA
A	730 H.A. GATEWAY DRIVE	G	7154 COLUMBIA GATEWAY DRIVE
B	734 H.A. GATEWAY DRIVE		
C	738 H.A. GATEWAY DRIVE		
D	742 H.A. GATEWAY DRIVE		
E	746 H.A. GATEWAY DRIVE		
F	750 H.A. GATEWAY DRIVE		

NOTE: WE HAD AVE 5' ...
 NOTE: ...

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

ENGINEER'S CERTIFICATE:
 I CERTIFY THAT THIS PLAN FOR S.W.M. FACILITY CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENT 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. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

ENGINEER: *Yagobara Chakrabarti*
 REG. NO. 8790 DATE: 11/7/89

OWNER/DEVELOPER PARCEL H-6
GATEWAY 54 PARTNERSHIP
C/O MANEKIN CORPORATION
7165 COLUMBIA GATEWAY DRIVE
COLUMBIA, MD. 21046
(301) 290-1400

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. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

DEVELOPER: *...* DATE: 11-7-89

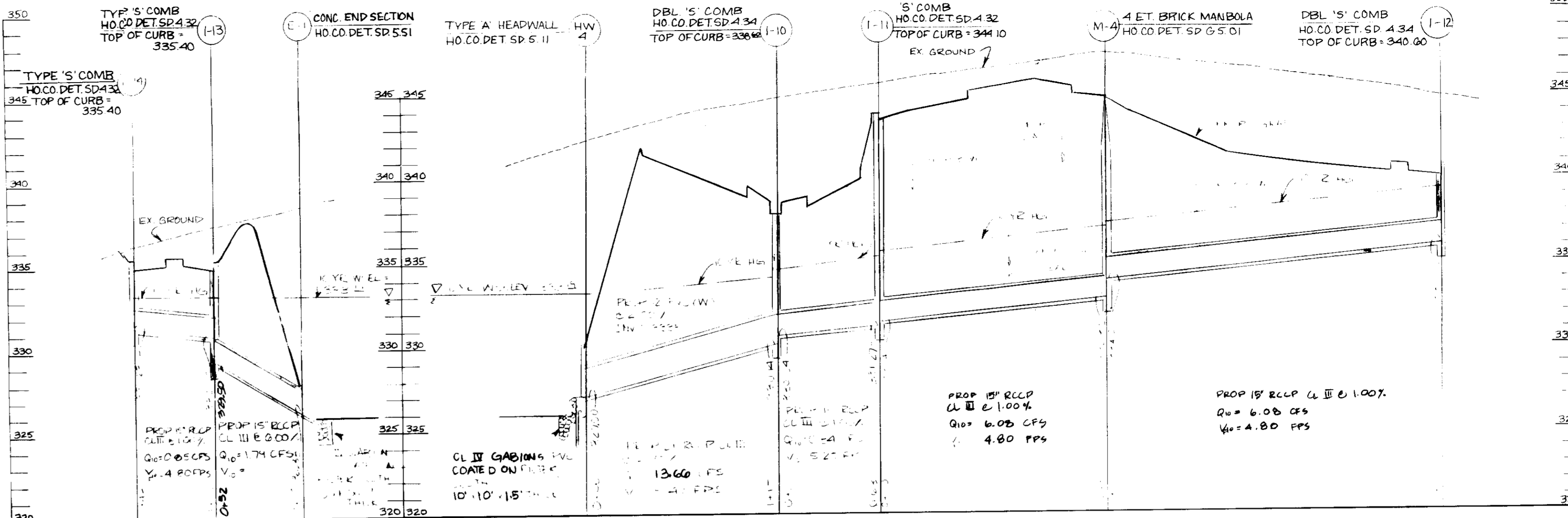
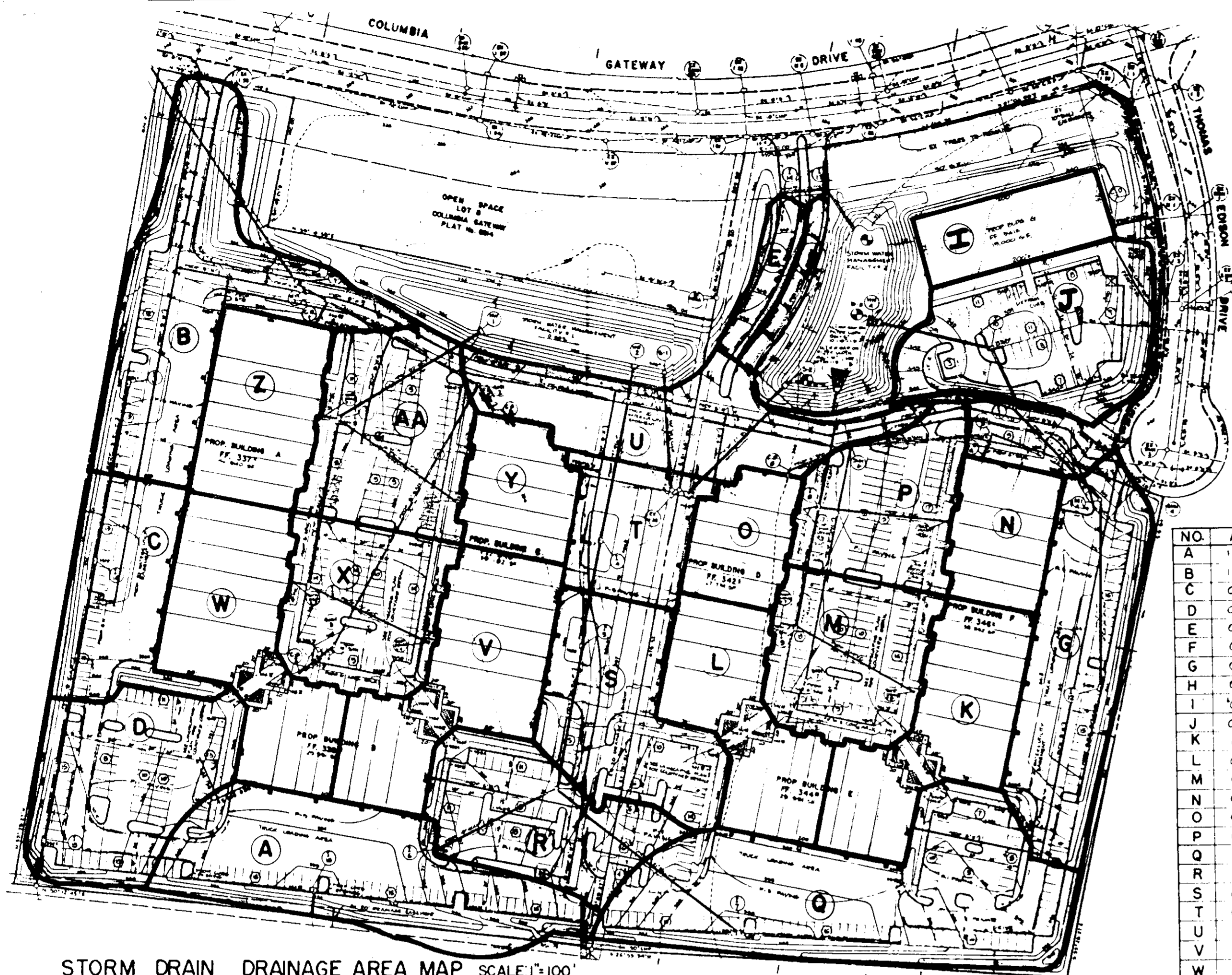
DESIGNED: N.B.
 DRAWN: N.B./J.W.
 CHECKED: N.B.
 PN 05805

SITE & STORM WATER MANAGEMENT PLAN
FOR
GATEWAY 51
COLUMBIA GATEWAY PARCEL M-214-H-6
 REVISIONS TO BUILDING 'G' AND SDP 88-235

TAX MAP 43
 HOWARD CO. MD
 SCALE: 1" = 50'

PARCEL # 587
 ELECTION DISTRICT # 6
 SEPTEMBER 29, 1989
 SHEET 1 OF 7

SDP-90-99



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

STORM DRAIN DRAINAGE AREA MAP SCALE: 1"=100'

SITE DATA
PARCEL M-2

AREA OF SITE: 10.69 AC. ±
EXISTING ZONING: M-1
PROPERTY REFERENCE: PLAT #7470 & PLAT #
EXISTING USE: VACANT
PROPOSED USE: OFFICE/WAREHOUSE
TOTAL FLOOR AREA: 107,013 S.F. (2.46 AC.)
PARKING REQUIRED: 329 SPACES (INCLUDES 7 HANDICAP SPACES) (56 BLDG G - 2 HANDICAP)
PARKING PROVIDED: 360 SPACES (INCLUDES 7 HANDICAP SPACES)
FLOOR AREA RATIO: 2.46/10.69 = 23%
% OPEN SPACE: 3.06 AC. / 10.69 = 28.6%
% BUILDING COVERAGE: 2.46/10.69 = 23%
AREA TO BE DISTURBED: 10.69 AC. ±
AREA TO BE VEGETATIVELY STABILIZED: 3.06 AC. ±
% BUILDING COVERAGE WITH PAVING: 7.63/10.69 = 71.4%
TOTAL AREA OF PARKING LOT: 2.9 AC. ±
% LANDSCAPED ISLANDS WITHIN PARKING: 0.2/2.9 = 6.89%
TOTAL AREA OF LANDSCAPED ISLANDS: 0.2 AC. ±

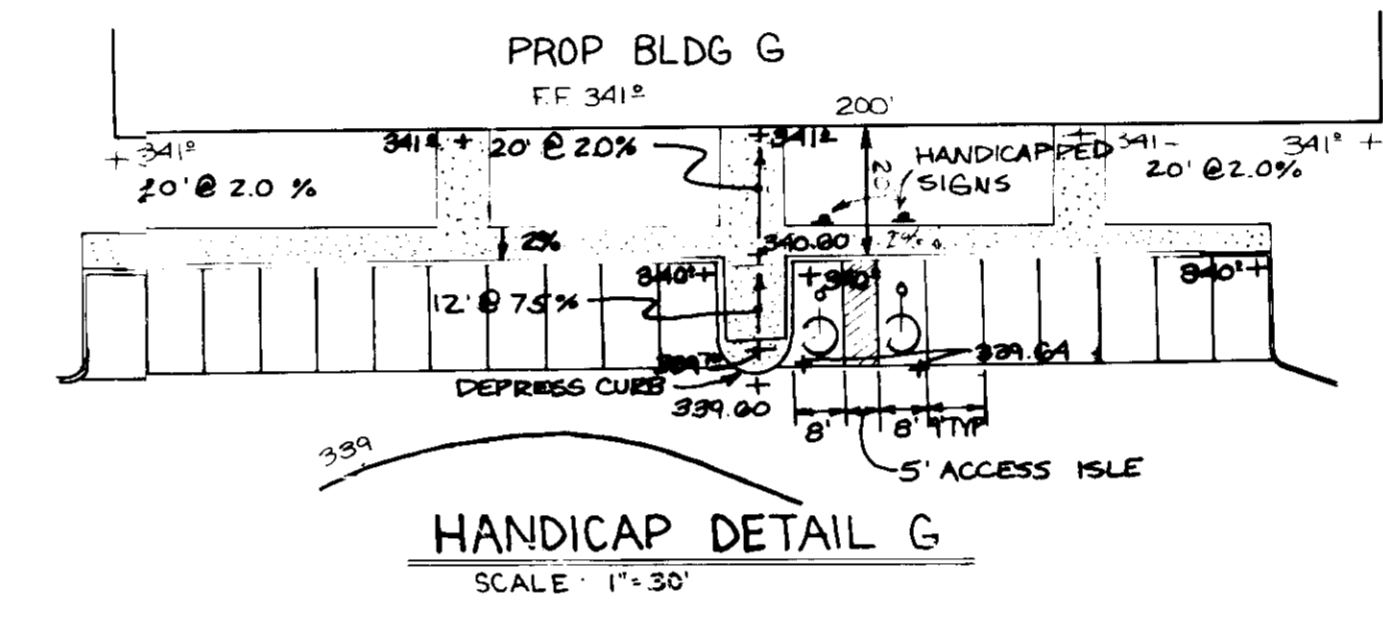
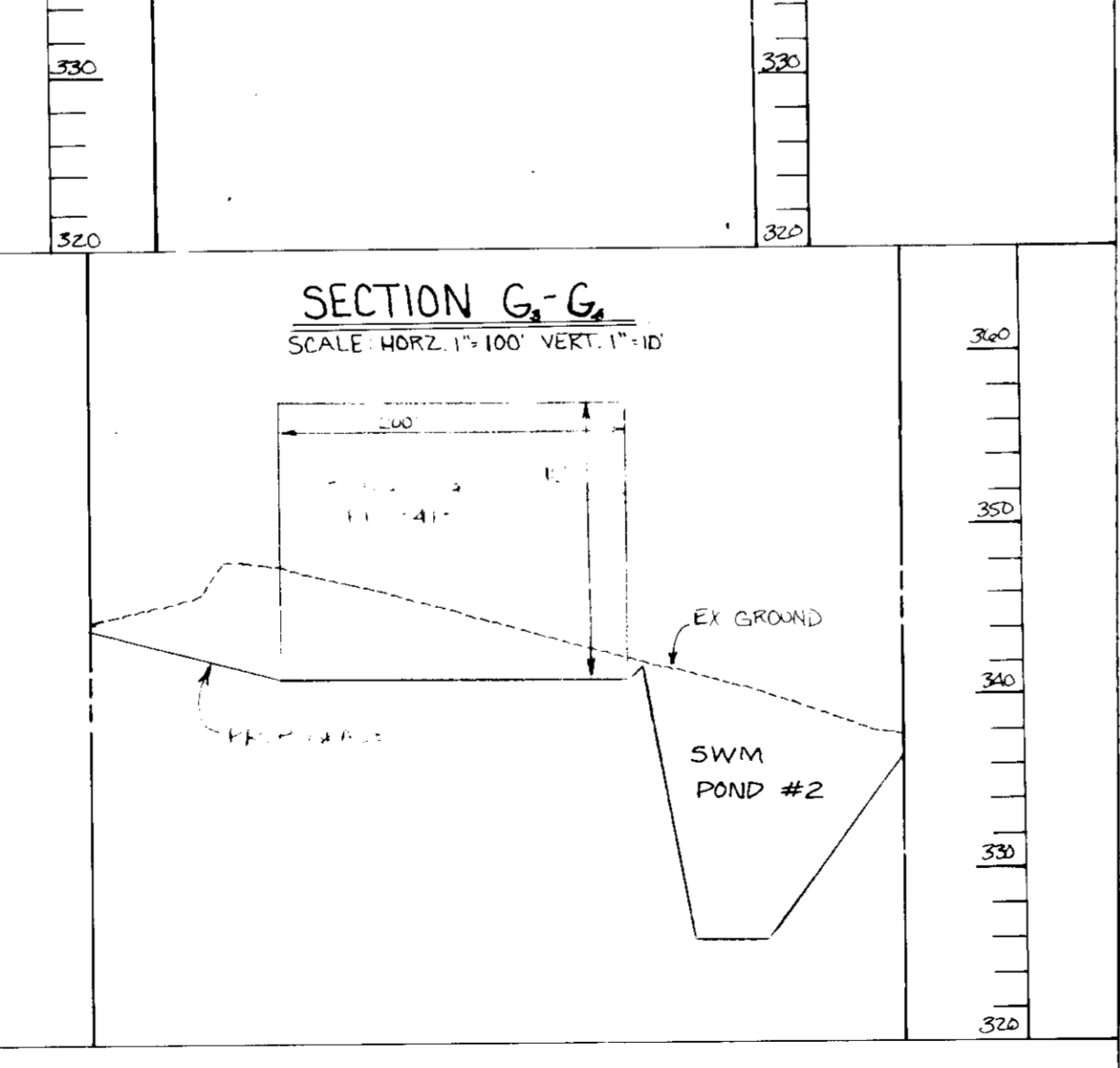
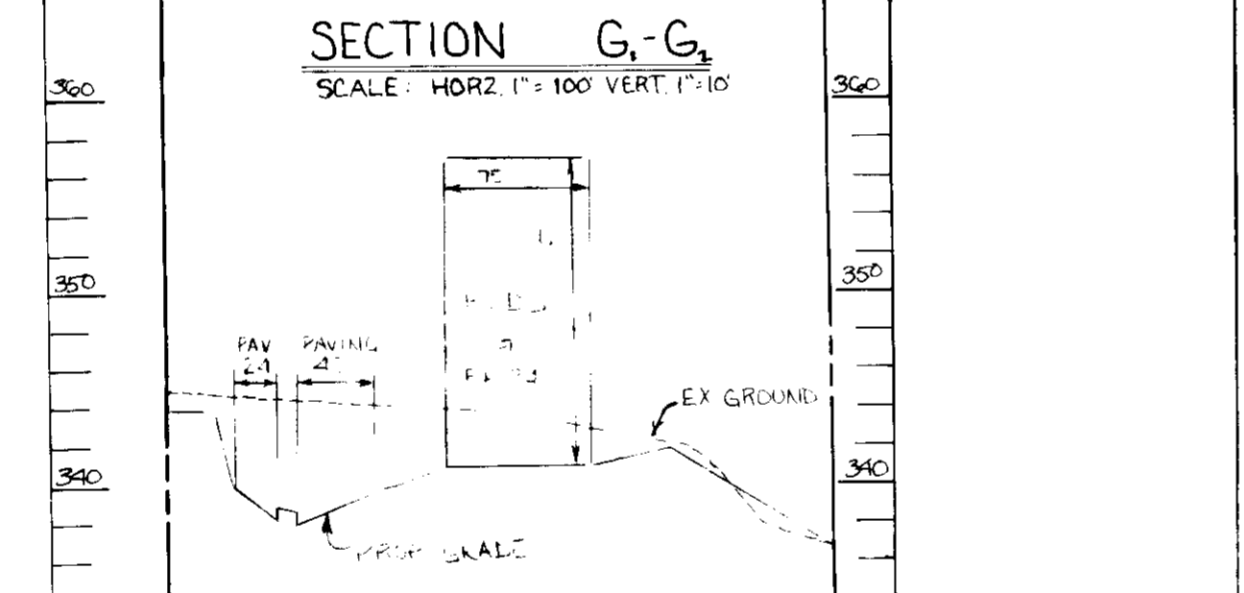
Building D - 27,274 sq. ft. - 70K office - 19442 sq. ft. - 200K32 EMP # 100/10EMP - 69 P.S.
30K warehouse - 8322 sq. ft. # 1 PS/500 EMP - 17 P.S.
Spaces required Building D = 86 P.S.

Building E - 21,991 sq. ft. - 70K office - 15,384 sq. ft. - 200K77 EMP # 7 P.S./10EMP - 54 P.S.
30K warehouse - 6597 sq. ft. # 1 PS/500EMP - 14 P.S.
Spaces required Building E = 64 P.S.

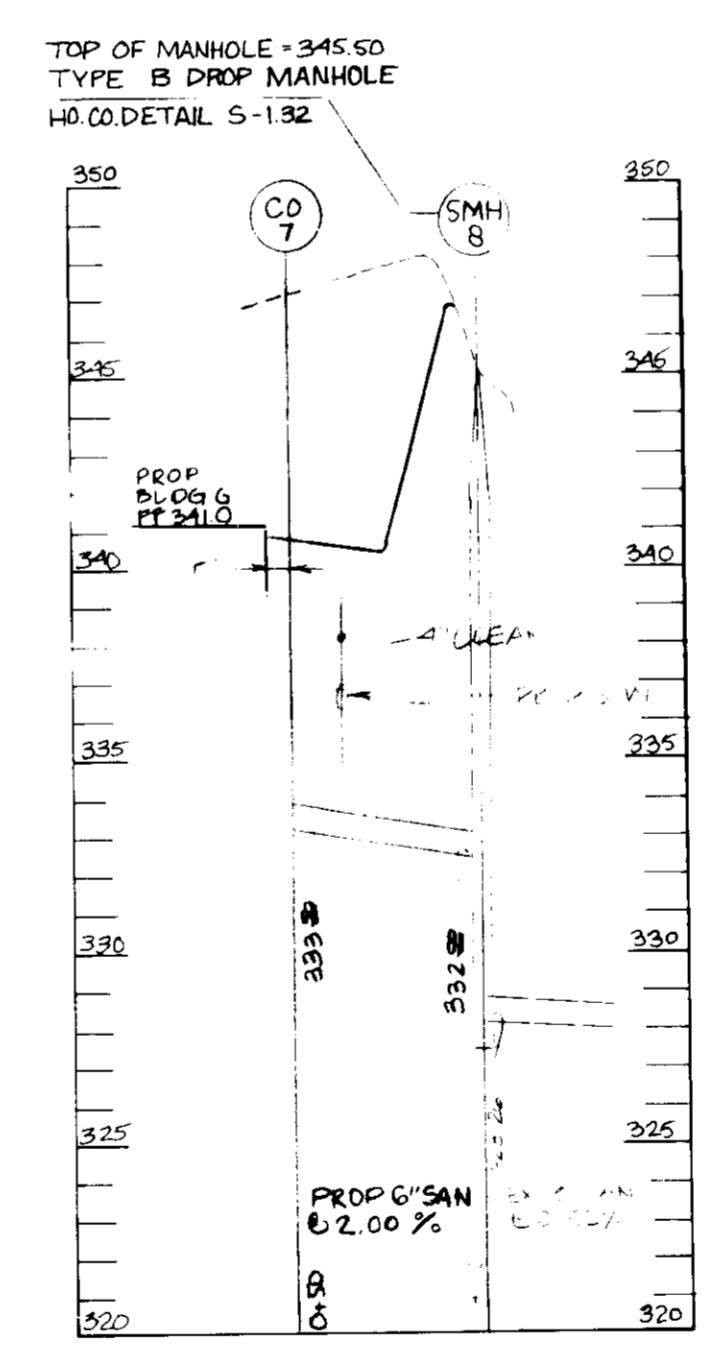
Building F - 35,532 sq. ft. - 70K office - 2473 sq. ft. - 200K132EMP # 7 PS/10 EMP # P.S.
30K warehouse - 10659 sq. ft. # 1 PS/500 EMP - 22 P.S.
Spaces required Building F = 110 P.S.

Building G - 19,000 sq. ft. 100K office - 15,000 sq. ft. - 200K75 EMP # 7 PS/10EMP - 51 EMP
SPACES: 30000000 BLDG G = 59 P.S.
SPACES PROVIDED FOR BLDG G = 59 P.S.

SITE DATA
PARCEL M-6
AREA OF SUBMITTAL: 11,668.5 SF (2.68 AC. ±)
AREA OF SITE: 10.16 AC. ±
EXISTING ZONING: M-1
PROPERTY REFERENCE: PLAT #7470 & PLAT #
EXISTING USE: VACANT
PROPOSED USE: OFFICE/WAREHOUSE
TOTAL FLOOR AREA: 100,297 S.F. (2.30 AC.)
PARKING REQUIRED: 317
PARKING PROVIDED: 344 SPACES (INCLUDES 8 HANDICAP SPACES)
FLOOR AREA RATIO: 2.30/10.16 = 22.6%
% OPEN SPACE: 3.47 AC. / 10.16 = 34.2%
% BUILDING COVERAGE: 2.30/10.16 = 22.6%
AREA TO BE DISTURBED: 10.16 AC. ±
AREA TO BE VEGETATIVELY STABILIZED: 3.47 AC. ±
% BUILDING COVERAGE WITH PAVING: 6.81/10.16 = 67%
TOTAL AREA OF PARKING LOT: 2.82 AC. ±
% LANDSCAPED ISLANDS WITHIN PARKING: 0.19/2.82 = 6.74%
TOTAL AREA OF LANDSCAPED ISLANDS: 0.19 AC. ±

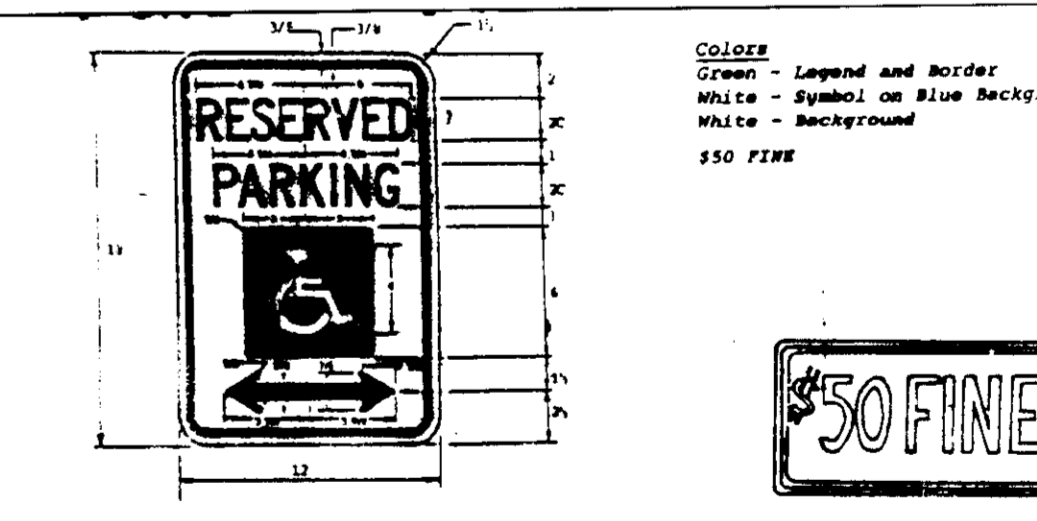


HANDICAP DETAIL G SCALE: 1"=30'



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

- GENERAL NOTES**
- Maximum building height - 50'.
 - All areas not being paved or receiving building coverage shall be stabilized in accordance with the plans approved by Howard Soil Conservation District.
 - Any damage to public rights-of-way and/or adjacent properties shall be repaired immediately at the contractor's expense.
 - The contractor shall maintain at least a 2" level bench behind all curb and gutter in fill areas.
 - The contractor shall verify all existing utilities to his own satisfaction before starting construction.
 - All slopes shall be 2:1 or flatter.
 - All work shall be done in accordance with Howard County Standard Specification and Details for Construction, or as shown on these plans.
 - The contractor shall notify the C & 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 1-555-0100.
 - For details of ramps and signs for the handicapped, see the Maryland Building Code for the Handicapped and Aged and as shown herein. See Sheet of 13-66.
 - The contractor shall maintain a minimum of 4' cover over all proposed water lines.
 - All s/s-rap shall be placed on filter cloth.
 - The contractor or developer shall contact the Construction Inspection/Survey Division 24 hours in advance of commencement of work at 992-2417 or 992-7272.
 - The contractor shall remove all existing paving, curb and gutter, etc. that may interfere with proposed construction.
 - All utilities installed shall remain full trench compaction.
 - All water mains, hydrants, caps, etc. shall be maintained in accordance with Howard County Division requirements.
 - All sidewalks will be 4' wide over structural plans for details.
 - 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 required under Section 16-228 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 required 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.



STANDARD #7-8 RESERVED PARKING SIGN

\$50 FINE SIGN

Sign to utilize an aluminum blank 6" x 12" x .080 inch thick with two single post mounting holes.

The text and border shall be standard green to match that on #7-8 and, the background shall be reflective white. Text shall be in 1" characters.

Sign shall be mounted directly below the standard #7-8 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 where notice of pedestrian traffic is not obstructed the bottom edge of sign shall be at least 6 feet b; not more than 10 feet above ground.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT & MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

James M. Hahn 5/15/90
S. SOIL CONSERVATION SERVICE DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *Robert J. Zehn* 5-15-90
HOWARD SOIL CONSERVATION DISTRICT DATE

PLAN NUMBER

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

Joseph B. Adams 9-27-90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING.

Chris H. 11-21-90
DIRECTOR DATE

Mark V. DeWalt 1/5/91
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

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

James J. Smith 9/24/90
DIRECTOR DATE

Elizabeth B. Collins acting 9/24/90
CHIEF BUREAU OF ENGINEERING DATE

REFER TO NOTE 1, 2 ON SHEET 10F 7



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

STATE
Notar Public
Chandana
11/7/89
11/7/89

ENGINEER'S CERTIFICATE
I CERTIFY THAT THIS PLAN FOR S.W.M. FACILITY CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENT 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. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

ENGINEER: *Chandana*
REG. NO. 8936 DATE: 11/7/89

OWNER/DEVELOPER PARCEL M-6

GATEWAY 54 PARTNERSHIP
C/O MANEKIN CORPORATION
7165 COLUMBIA GATEWAY DRIVE
COLUMBIA, MD. 21046
(301) 290-1400

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. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

DEVELOPER: *ASW* DATE: 11-789

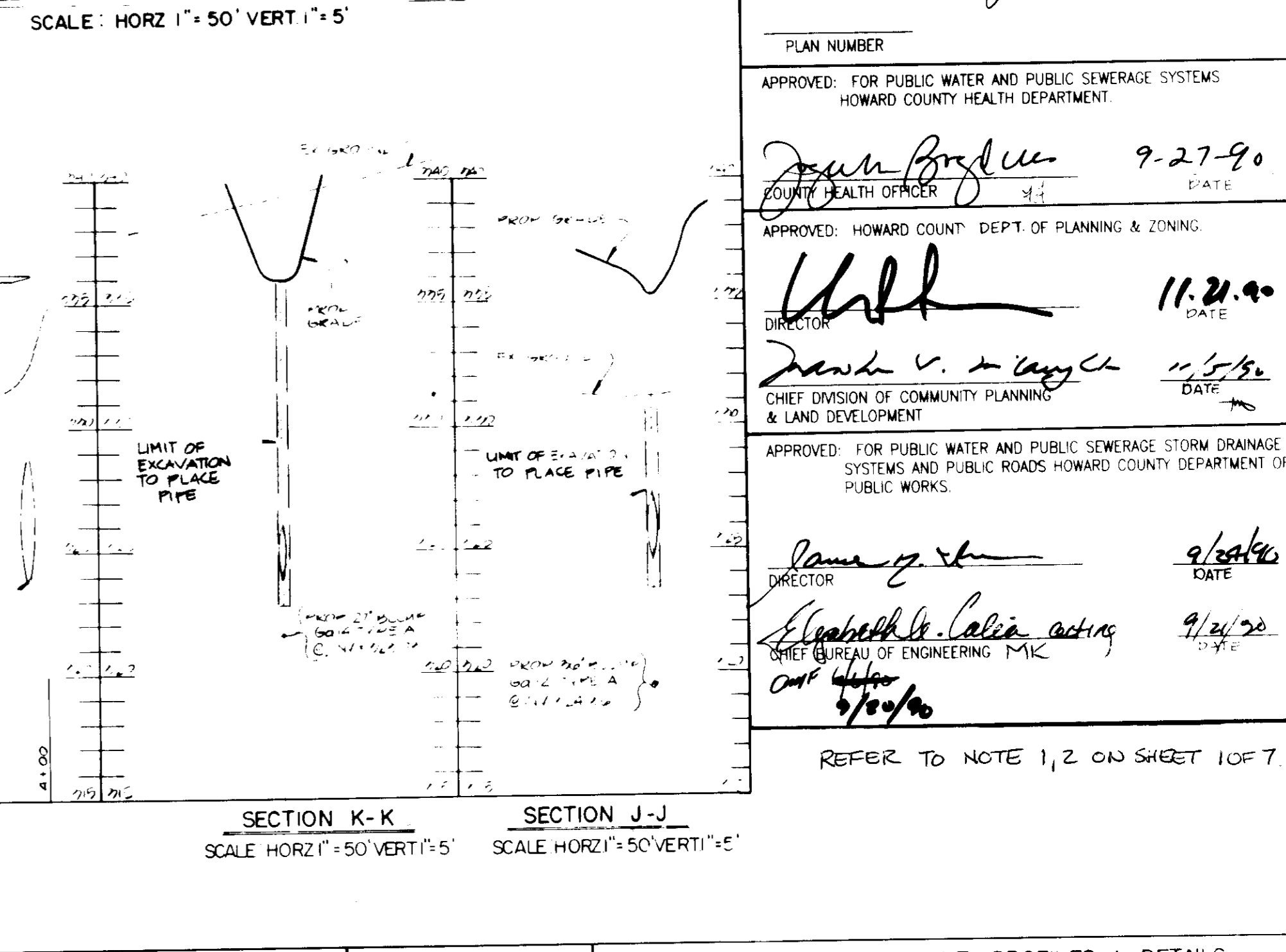
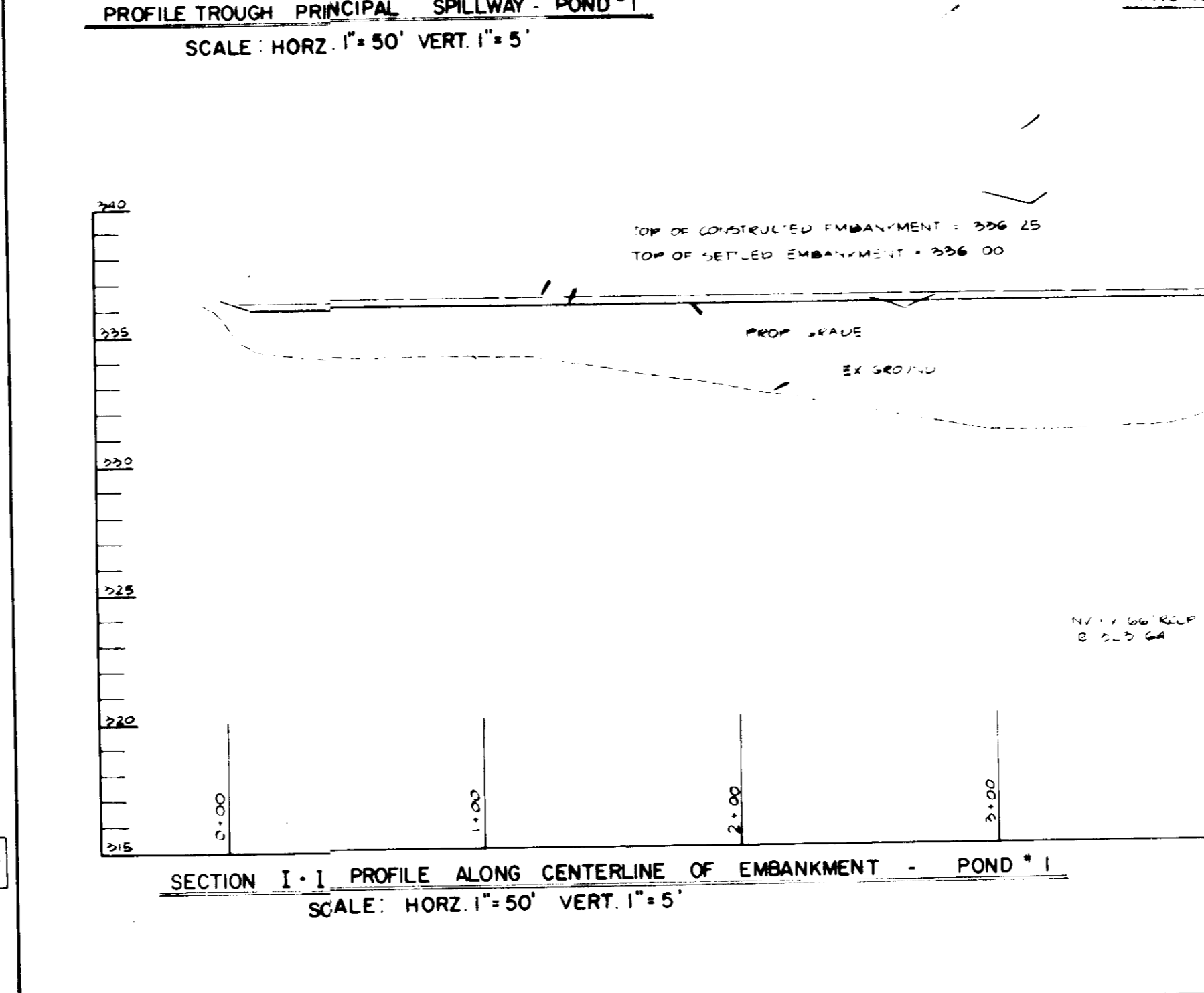
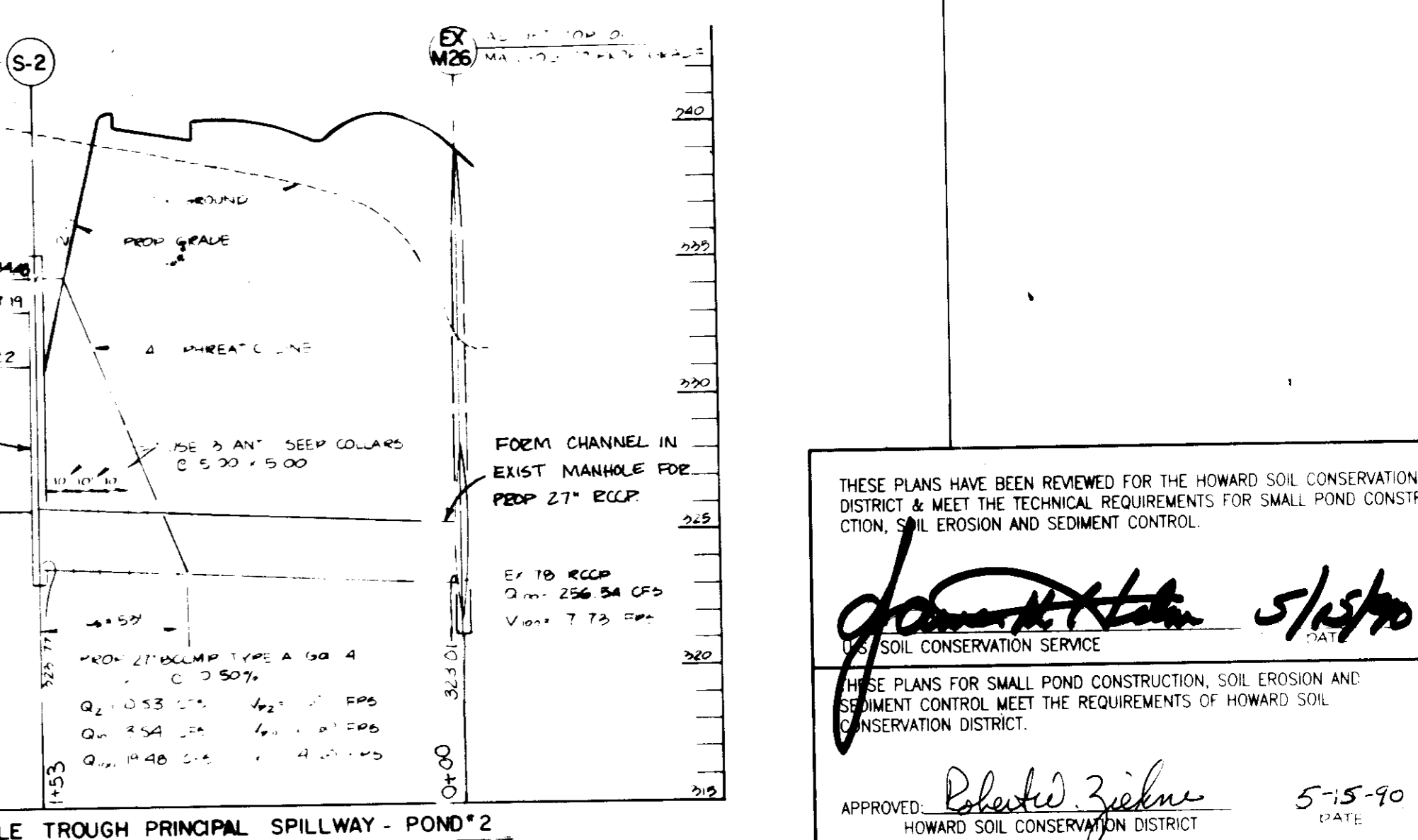
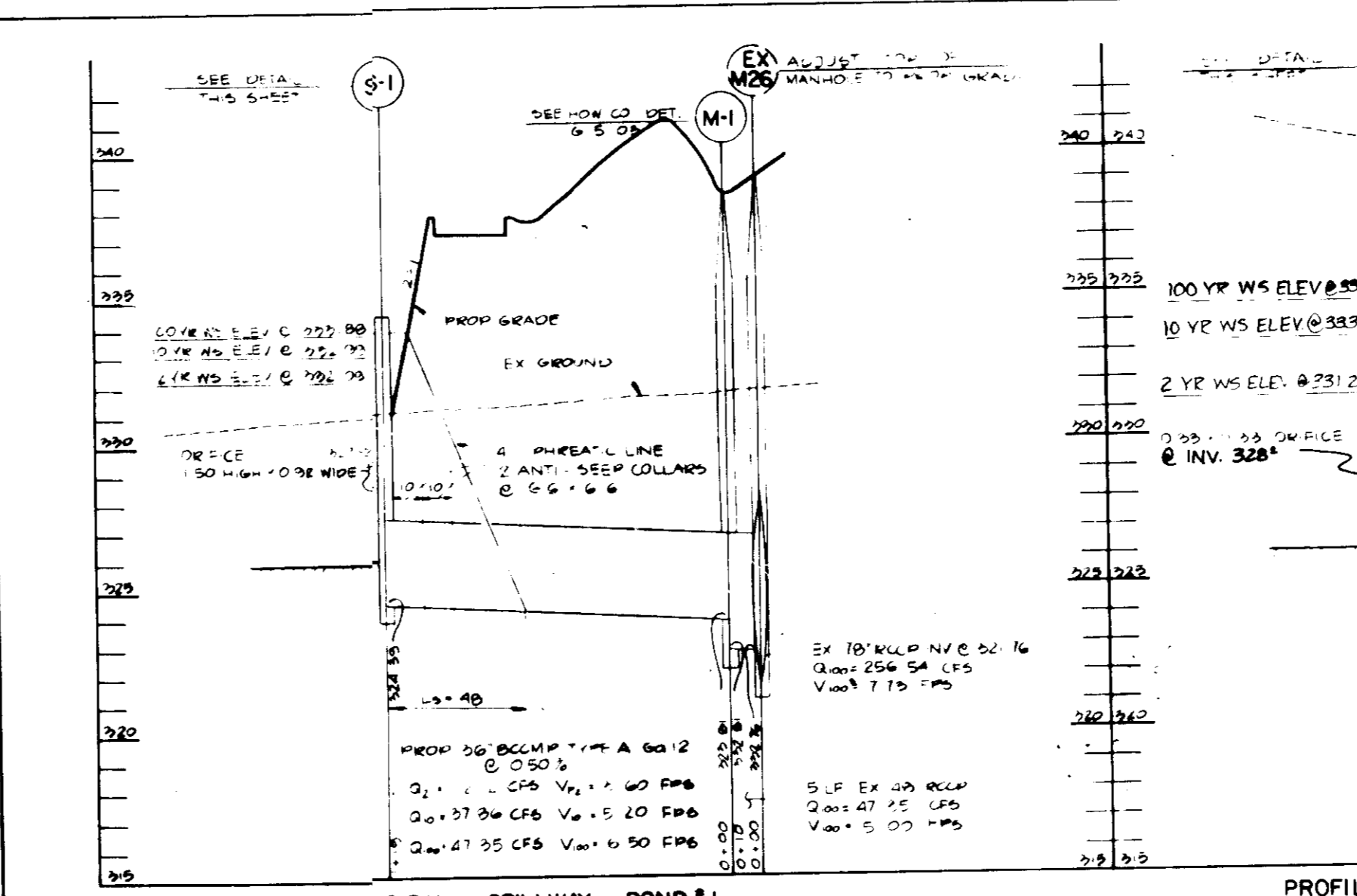
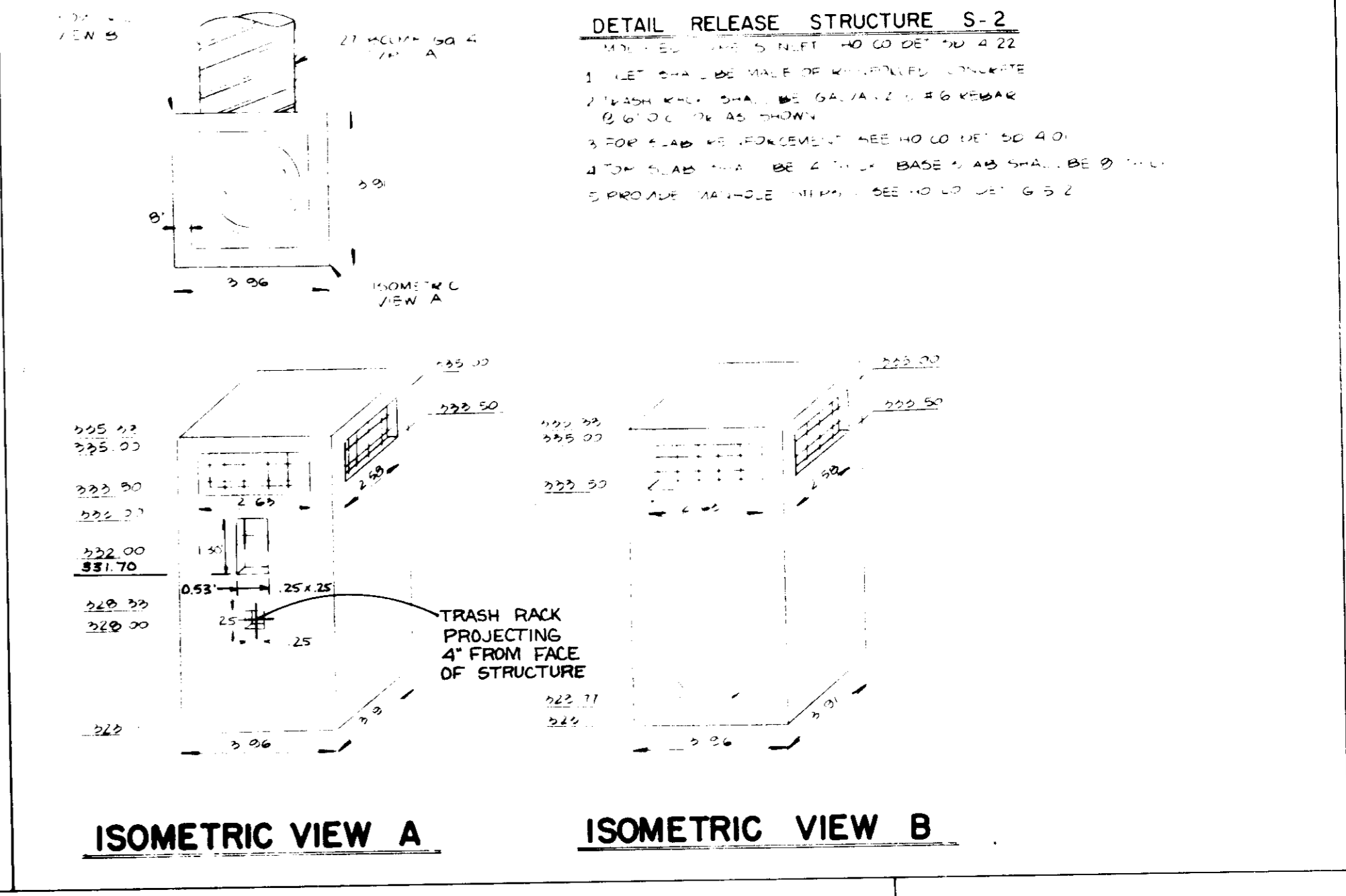
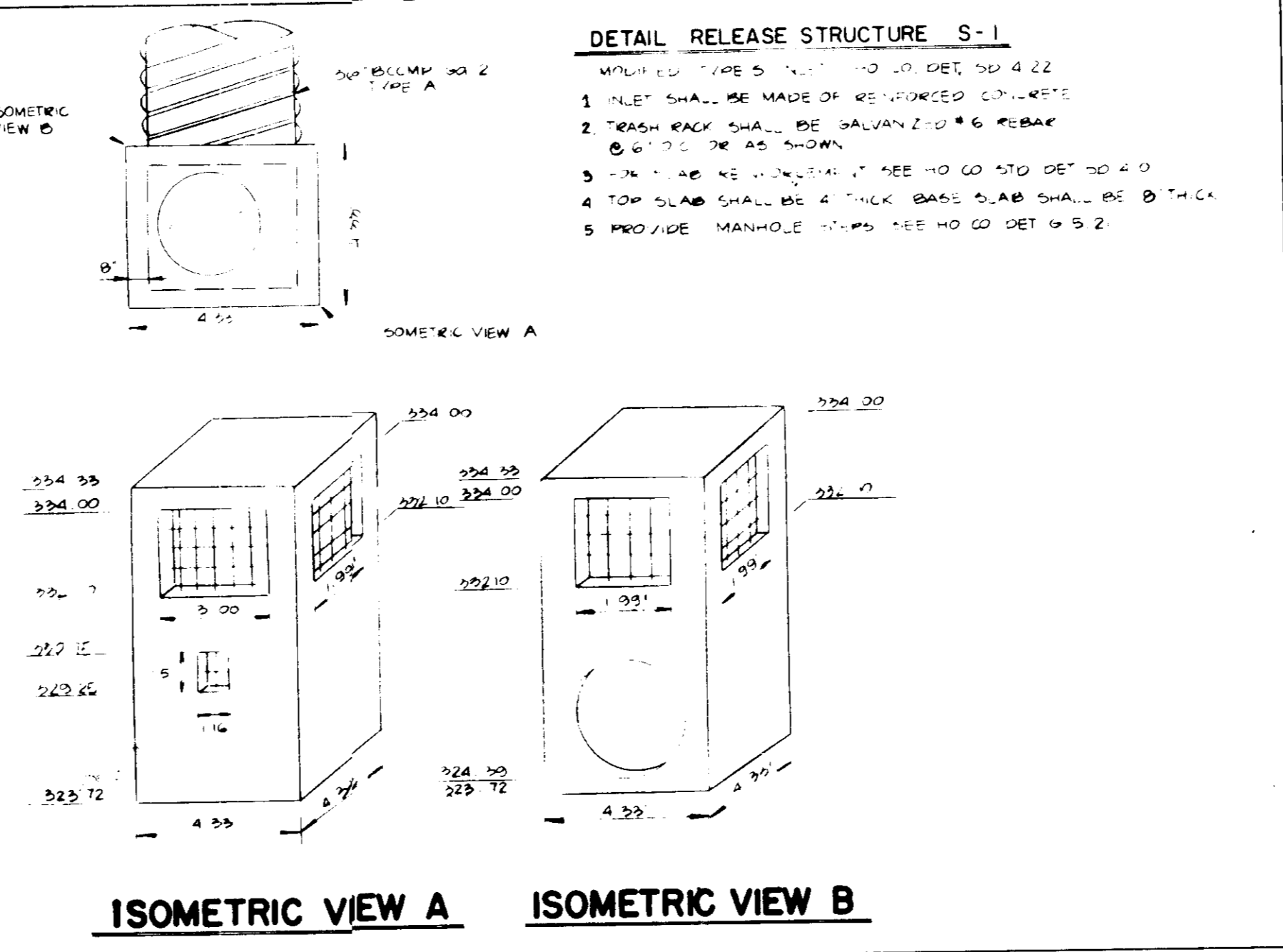
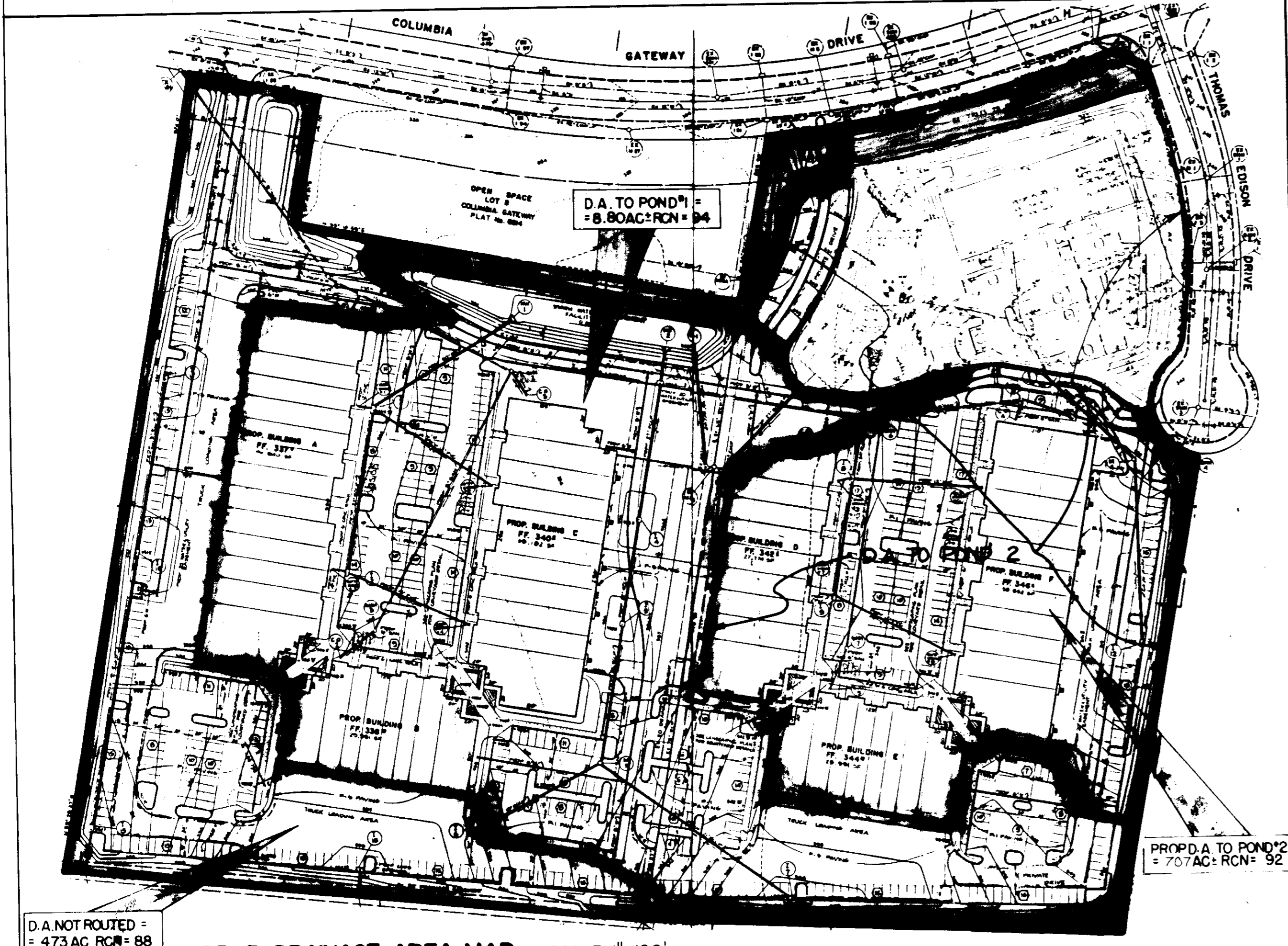
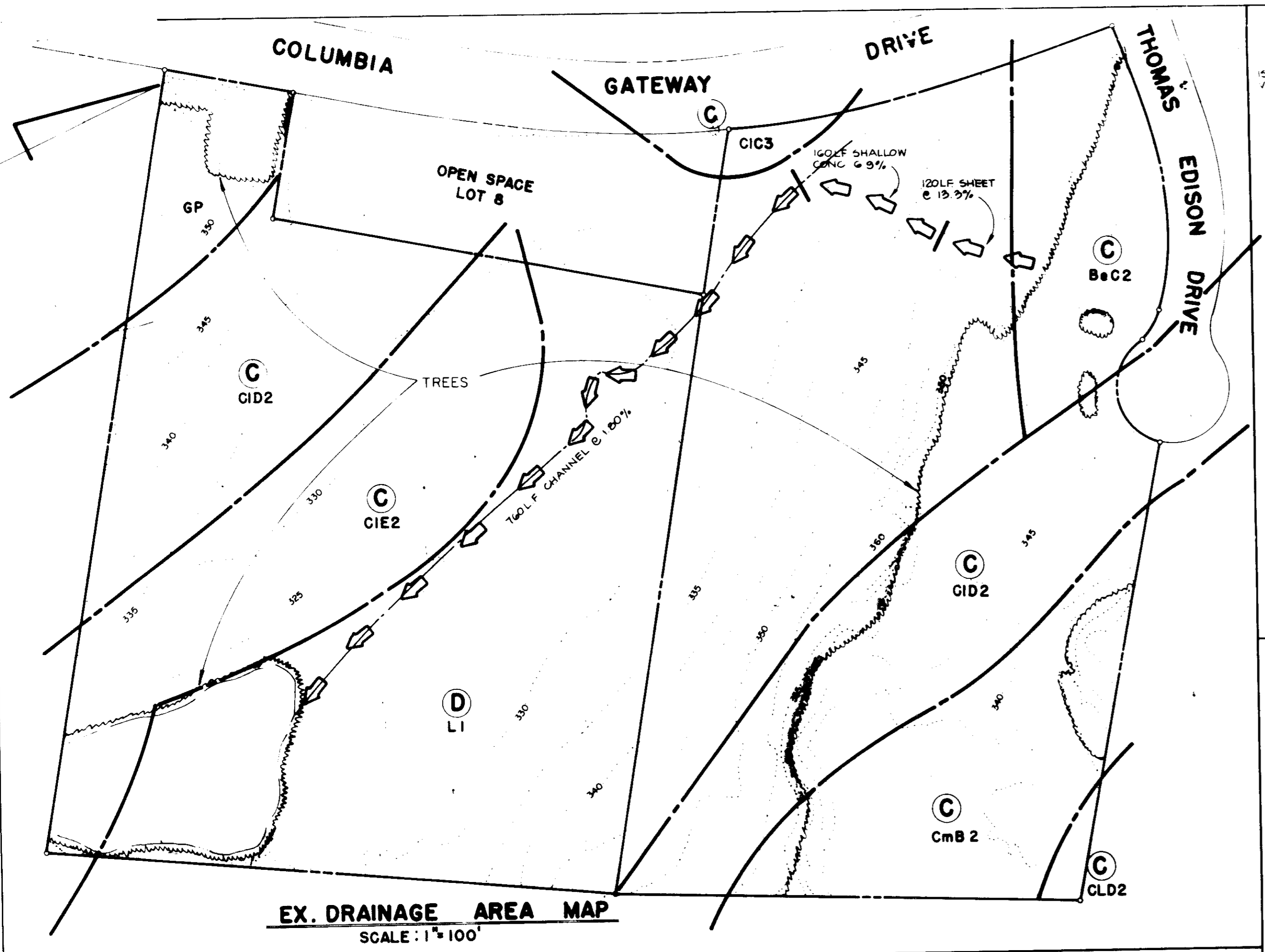
DESIGNED: N.B.
DRAWN: A.D.
CHECKED: N.B.
PN 5805

PROFILES & DETAILS FOR

GATEWAY 51
COLUMBIA GATEWAY PARCEL M-21H-5
REVISIONS TO BUILDING 'G' AND S/D P. 235

TAX MAP 43
HOWARD CO. MD
SCALE: 1"=50'

PARCEL # 587
ELECTION DISTRICT # 6
SEPTEMBER 29, 1989
SHEET 2 OF 7
508-90-99



THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT & MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

John H. Hester 5/15/90
SOIL CONSERVATION SERVICE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *Robert Zinke* 5-15-90
HOWARD SOIL CONSERVATION DISTRICT

PLAN NUMBER

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

John Brodie 9-27-90
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Uhl 11-21-90
DIRECTOR

Debra V. Langley 11-15-90
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 J. Hester 9/24/90
DIRECTOR

Elizabeth L. Leticia acting 9/24/90
CHIEF BUREAU OF ENGINEERING MAK

Carl Walker 9/24/90

REFER TO NOTE 1, 2 ON SHEET 1 OF 7.

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

George W. Stephens, Jr. 11/17/89
P.E. 89930

ENGINEER'S CERTIFICATE:
I CERTIFY THAT THIS PLAN FOR S.W.M. FACILITY CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENT 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. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

Tapobrata Chakrabarti
ENGINEER
REG. NO. 8930
DATE 11/89

OWNER/DEVELOPER: **GATEWAY 54 PARTNERSHIP**
C/O MANEKIN CORPORATION
7165 COLUMBIA GATEWAY DRIVE
COLUMBIA, MD. 21046
(301) 230-1400

DESIGNED: N.B.
DRAWN: J.W.
CHECKED: N.B.

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 FOR THEIR AUTHORIZED AGENTS AS ARE DEEMED 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 S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

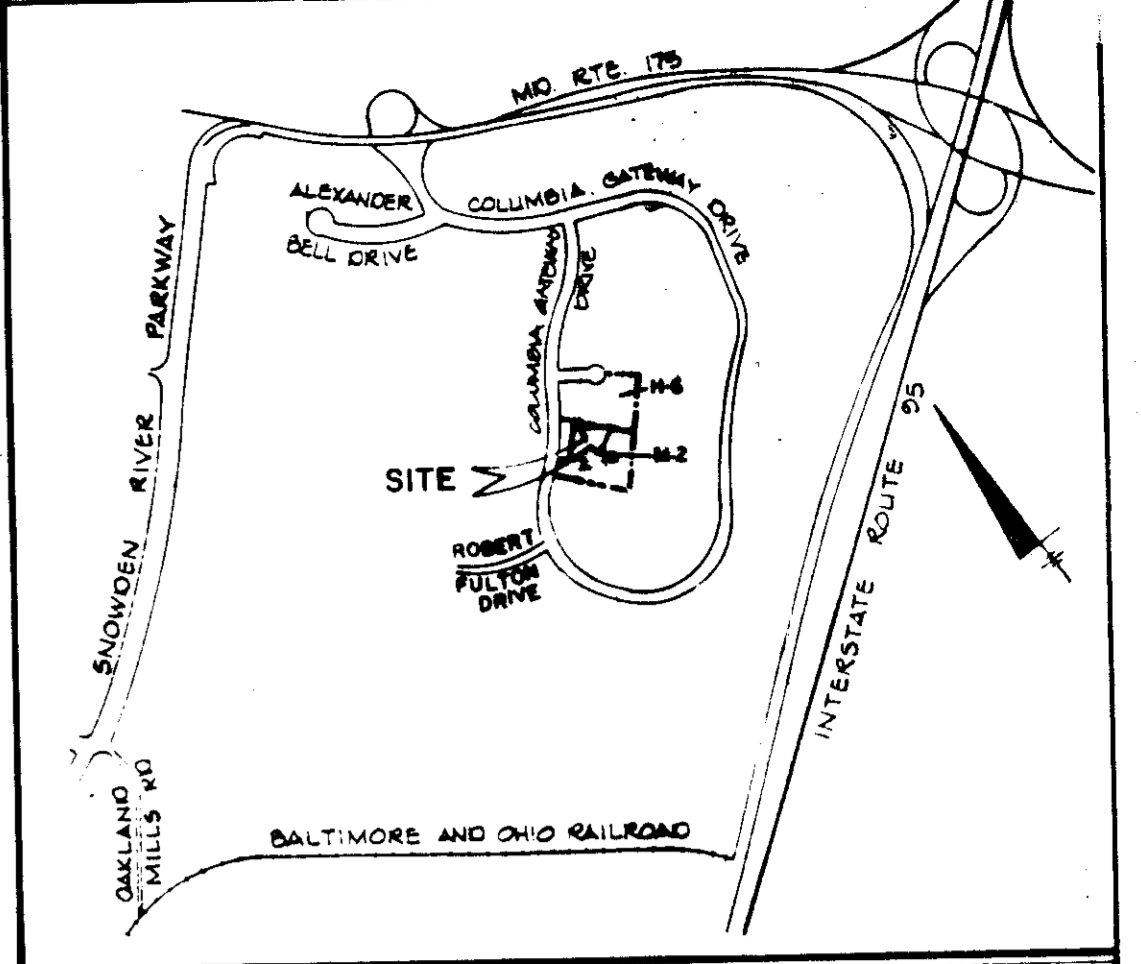
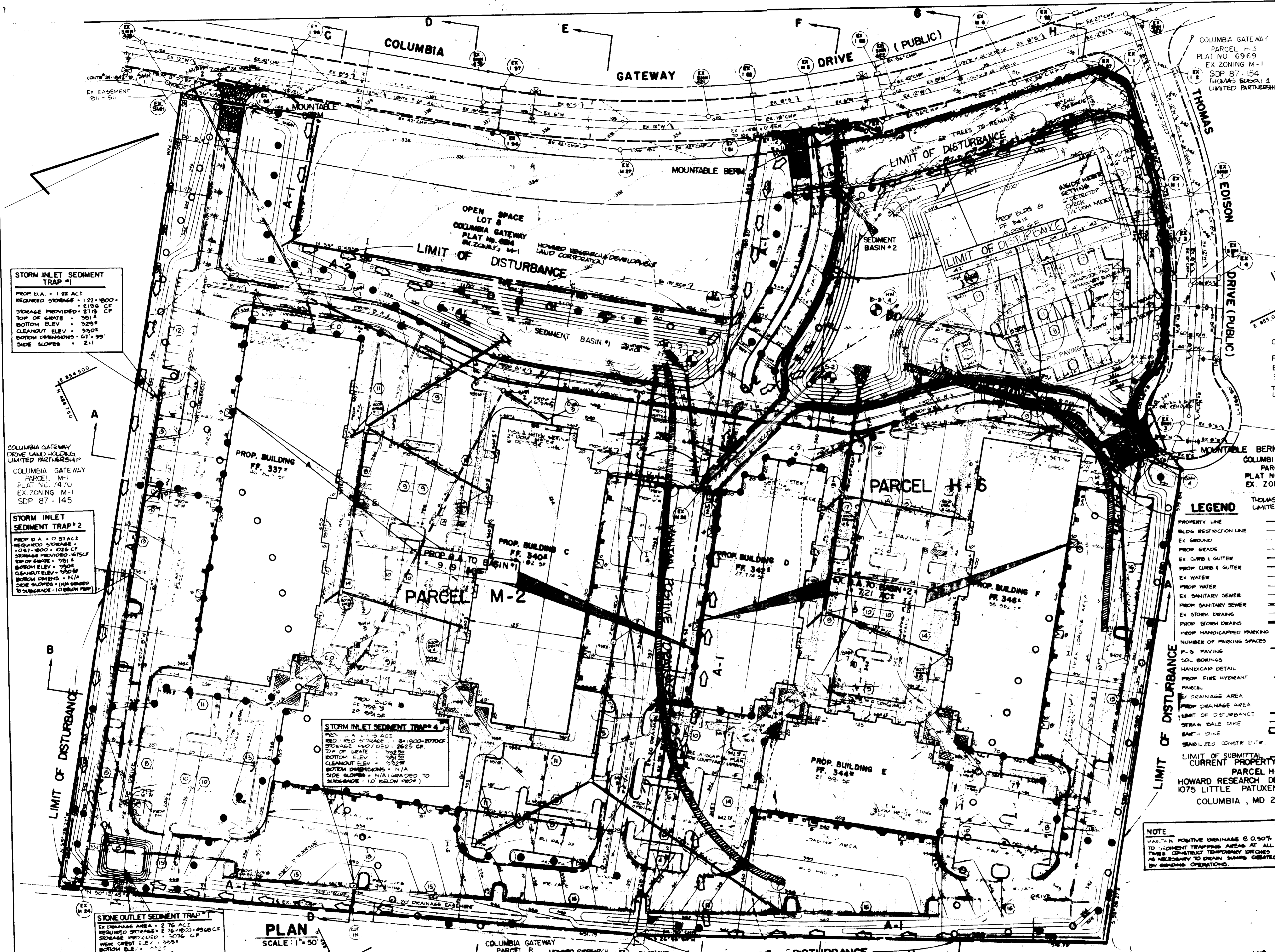
John Hester
DEVELOPER
DATE 11-7-89

STORM WATER MANAGEMENT - PROFILES & DETAILS

GATEWAY 51
COLUMBIA GATEWAY PARCEL M-214-H-6
REVISIONS TO BUILDING 'G' AND SGP 80-235

TAX MAP 43
HOWARD CO. MD
SCALE: 1"=50'

PARCEL # 587
ELECTION DISTRICT # 6
SEPT. - DECEMBER 29, 1989
SHEET # OF
587-90-99



VICINITY MAP
SCALE: 1" = 2000'

BENCH MARKS:
 WE 1A * B ELEV 350.65 WE 1A * B ELEV 351.66
 * E IR SPIKE IN BASE OF 14" OAK 45' LEFT * E IR SPIKE IN BASE OF 10" THIN POPLAR
 OF E. COLUMBIA GATEWAY DRIVE STA 115+40 75' LEFT OF E. COLUMBIA GATEWAY DRIVE STA 125+45

STORM INLET SEDIMENT TRAP #1
 PROP. D.A. = 1.22 AC.
 REQUIRED STORAGE = 122 * 1000 = 122,000 CF
 STORAGE PROVIDED = 2196 CF
 TOP OF GATE = 301.8
 BOTTOM ELEV = 302.8
 CLEANOUT ELEV = 302.8
 BOTTOM DIMENSIONS = 67' * 39'
 SIDE SLOPES = 2:1

STORM INLET SEDIMENT TRAP #2
 PROP. D.A. = 0.57 AC.
 REQUIRED STORAGE = 57 * 1000 = 57,000 CF
 STORAGE PROVIDED = 1575 CF
 TOP OF GATE = 291.6
 BOTTOM ELEV = 292.6
 CLEANOUT ELEV = 292.6
 BOTTOM DIMENSIONS = N/A
 SIDE SLOPES = (N/A) GRADED TO SUBGRADE - 1.0' BELOW PROP.

STORM INLET SEDIMENT TRAP #4
 PROP. D.A. = 1.56 AC.
 REQUIRED STORAGE = 156 * 1000 = 156,000 CF
 STORAGE PROVIDED = 2716 CF
 TOP OF GATE = 292.8
 BOTTOM ELEV = 293.8
 CLEANOUT ELEV = 293.8
 BOTTOM DIMENSIONS = N/A
 SIDE SLOPES = (N/A) GRADED TO SUBGRADE - 1.0' BELOW PROP.

STONE OUTLET SEDIMENT TRAP #1
 EX. DRAINAGE AREA = 2.76 AC.
 REQUIRED STORAGE = 276 * 1000 = 276,000 CF
 STORAGE PROVIDED = 5276 CF
 VIEW CREST ELEV = 303.1
 BOTTOM ELEV = 302.1
 CLEANOUT ELEV = 302.5
 BOTTOM DIMENSIONS = 50' * 40'
 SIDE SLOPES = 2:1

LEGEND

- PROPERTY LINE
- BLDG RESTRICTION LINE
- EX. GROUND
- PROP. GRADE
- EX. CURB & GUTTER
- PROP. CURB & GUTTER
- EX. WATER
- PROP. WATER
- EX. SANITARY SEWER
- PROP. SANITARY SEWER
- EX. STORM DRAINS
- PROP. STORM DRAINS
- PROP. HANDICAPPED PARKING
- NUMBER OF PARKING SPACES
- P-3 PAVING
- SOIL BORINGS
- HANDICAPP. DETAIL
- PROP. FIRE HYDRANT
- PARCEL
- EX. DRAINAGE AREA
- PROP. DRAINAGE AREA
- LIMIT OF DISTURBANCE
- STRAIN SCALE DIKE
- EARTH DIKE
- STABILIZED CONSTR. ENTR.

LIMIT OF SUBMITTAL
 CURRENT PROPERTY OWNER
PARCEL H-6
 HOWARD RESEARCH DEVELOPMENT CORP.
 1075 LITTLE PATUXENT PARKWAY
 COLUMBIA, MD 21044

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT & MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

James P. Ziegler 5/15/90
 SOIL CONSERVATION SERVICE
 DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF HOWARD COUNTY SOIL CONSERVATION DISTRICT.

APPROVED: *Robert Ziegler* 5-15-90
 HOWARD SOIL CONSERVATION DISTRICT
 DATE

PLAN NUMBER

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

Joseph P. Ziegler 9-27-90
 COUNTY HEALTH OFFICER
 DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING.

U. J. ... 11-21-90
 DIRECTOR
 DATE

Frank J. ... 11/19/90
 CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT
 DATE

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

James P. Ziegler 9/24/90
 DIRECTOR
 DATE

Elizabeth L. ... 9/21/90
 CHIEF BUREAU OF ENGINEERING
 DATE

NOTE
 MAINTAIN POSITIVE DRAINAGE @ 0.50% TO SEDIMENT TRAP AREAS AT ALL TIMES. CORRECT TEMPORARY DITCHES AS NECESSARY TO DRAIN SWAMP CREATED BY SEDIMENT OPERATIONS.

* THERE ARE NO EXISTING WETLANDS ON THIS SITE
 ** THE LIMIT OF DISTURBANCE ON THIS PLAN IS THE AREA AROUND BUILDING G INCLUDING THE PARKING LOT IN FRONT OF BUILDING G AND SEDIMENT BASIN 2.
 REFER TO SHEET 1 OF 7 NOTES 1, 2.

PLAN
 SCALE: 1" = 50'

COLUMBIA GATEWAY
 PARCEL R
 PLAT NO. 7127
 EX. ZONING M-1

DEVELOPER PARCEL H-6
GATEWAY 54 PARTNERSHIP
 CAS MANEKIN CORPORATION
 7165 COLUMBIA GATEWAY DRIVE
 COLUMBIA, MD. 21046
 (301) 290-1400

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. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINE "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

DEVELOPER: *W. J. ...* DATE: 11/7/89

DESIGNED: N.B.
 DRAWN: N.B. / J.W.
 CHECKED: N.B.
 PN 05805

SEDIMENT + EROSION CONTROL PLAN
 FOR
GATEWAY 51
 COLUMBIA GATEWAY PARCEL M-21H-6
 REVISIONS TO BUILDING 15 AND SDF 08-235

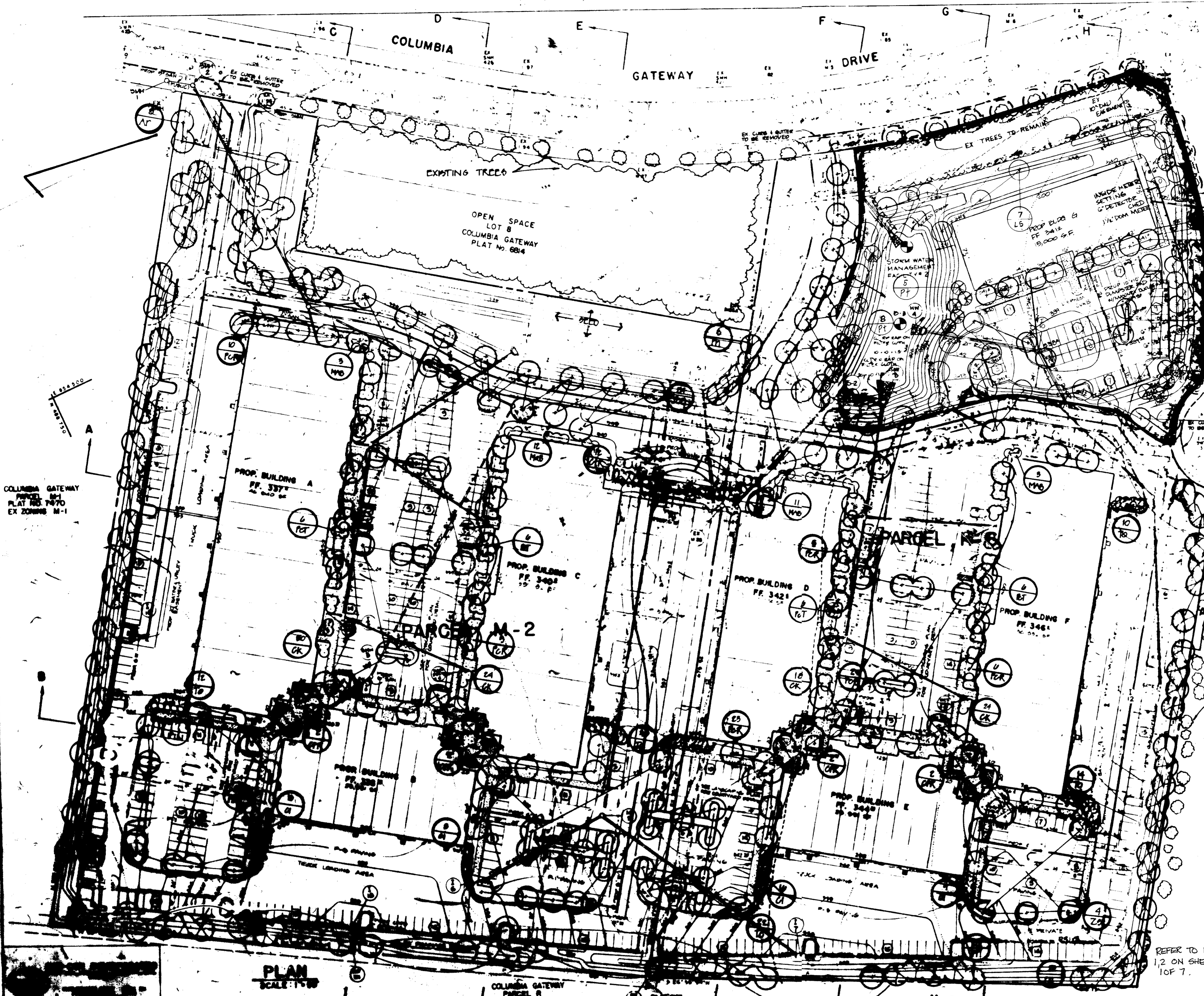
TAX MAP 43
 HOWARD CO. MD
 SCALE: 1" = 50'

PARCEL # 587
 ELECTION DISTRICT # 6
 SEPTEMBER 29, 1988
 SHEET 4 OF 7
 SDF-90-99

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

ENGINEER'S CERTIFICATE:
 I CERTIFY THAT THIS PLAN FOR S.W.M. FACILITY CONSTRUCTION, 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. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINE "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

ENGINEER: *Christopher Chapman* DATE: 11/7/89
 REG. NO. 1822



LEGEND

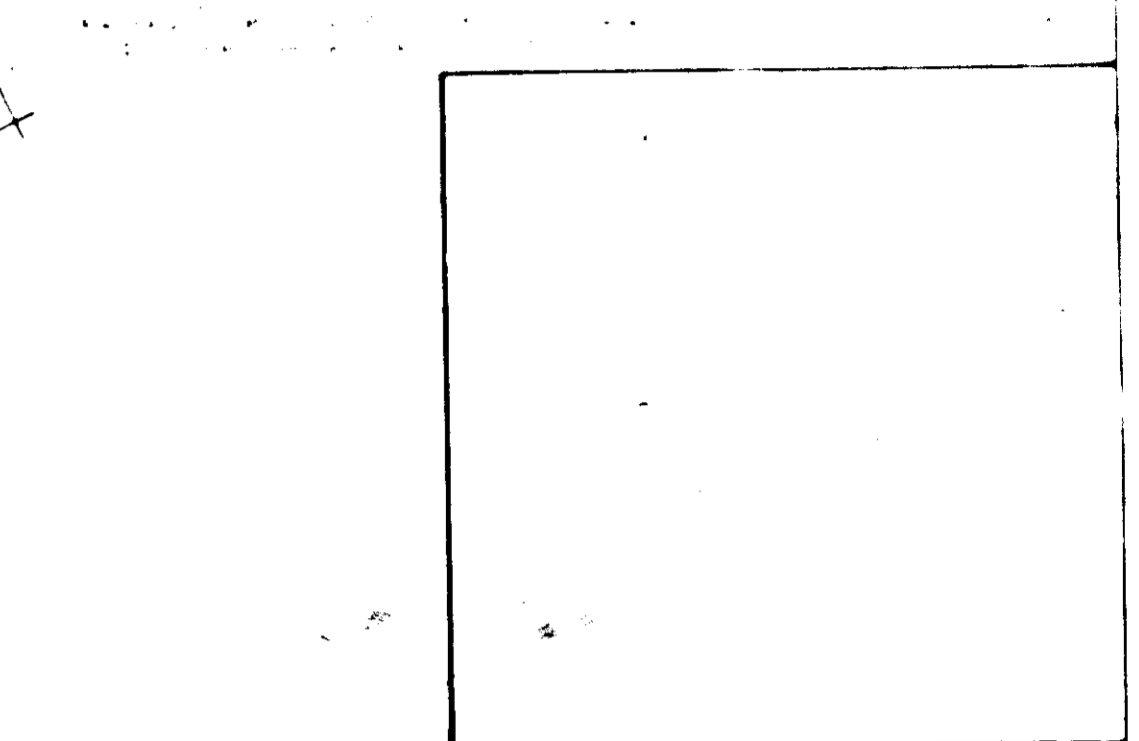
- 1. THIS PLAN IS FOR LANDSCAPING PURPOSES ONLY. DO NOT USE FOR CONSTRUCTION OF PERMANENT SITE IMPROVEMENTS.
- 2. COORDINATE ALL LANDSCAPE OPERATIONS WITH GENERAL CONTRACTOR.
- 3. COORDINATE PLANT LOCATION WITH ACTUAL AS-BUILT UTILITY LOCATION. PROVIDE FIELD LOCATION AS DIRECTED.
- 4. SEE L-1 FOR PLANT LIST.
- 5. ALL LAWN AREAS TO BE SEEDED UNLESS OTHERWISE NOTED.

Notes

- 1. THIS PLAN IS FOR LANDSCAPING PURPOSES ONLY. DO NOT USE FOR CONSTRUCTION OF PERMANENT SITE IMPROVEMENTS.
- 2. COORDINATE ALL LANDSCAPE OPERATIONS WITH GENERAL CONTRACTOR.
- 3. COORDINATE PLANT LOCATION WITH ACTUAL AS-BUILT UTILITY LOCATION. PROVIDE FIELD LOCATION AS DIRECTED.
- 4. SEE L-1 FOR PLANT LIST.
- 5. ALL LAWN AREAS TO BE SEEDED UNLESS OTHERWISE NOTED.

REFER TO NOTE 1, 2 ON SHEET 1017.

VICINITY MAP



THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT & MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

James H. Hahn 5/15/90
 SOIL CONSERVATION SERVICE DATE

APPROVED: *Robert J. Zickler* 5-15-90
 HOWARD SOIL CONSERVATION DISTRICT DATE

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

Joseph J. Boyer 9-27-90
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Jeffrey 11-21-90
 DIRECTOR DATE

Thomas J. DeCangelis 11/21/90
 CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

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

James J. Zickler 9/24/90
 DATE

OWNER/DEVELOPER: GATEWAY 54 PARTNERSHIP
 C/O MANEKIN CORPORATION
 7165 COLUMBIA GATEWAY DRIVE
 COLUMBIA, MD. 21046
 (301) 290-1400

STREET ADDRESS	ADDRESS
LOT/AREA	LOT/PARCEL #
PLAT #	TAX ZONE MAP
BLOCK #	ELECT. DIST.
SEWER CODE	CENSUS TRACT

LANDSCAPE PLAN
GATEWAY 51
 COLUMBIA GATEWAY PARCEL M-214-H-6

TAX MAP 43
 HOWARD CO. MD
 SCALE: 1" = 50'
CGP 050.0150

PARCEL # 587
 ELECTION DISTRICT # 6
 SEPTEMBER 29, 1989
SHEET 6 OF 7
 SDP-90-99

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
 CIVIL ENGINEERS & LAND ENGINEERS
 100 ARBONNY AVENUE
 GREENBELT, MARYLAND 21783
 (301) 656-0100

STATE OF MARYLAND
 REGISTERED PROFESSIONAL ENGINEER
 No. 12345
 DATE: 7/28/90

DEVELOPER'S CERTIFICATE
 I HEREBY 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. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINE "AS-BUILT" OF THE S.W.M. PARCEL WITHIN 30 DAYS OF COMPLETION.
 DEVELOPER: _____ DATE: 7/28/90

DESIGNED: N.B.
 DRAWN: N.B. / J.W.
 CHECKED: N.B.
 PN 05805

PLAN
 SCALE: 1" = 50'

COLUMBIA GATEWAY PARCEL R PLAT NO. 717 EX. ZONING M-1

COLUMBIA GATEWAY PARCEL H-6

COLUMBIA GATEWAY PARCEL M-214-H-6

OWNER/DEVELOPER PARCEL H-6

REFER TO NOTE 1, 2 ON SHEET 1017.

STATE OF MARYLAND REGISTERED PROFESSIONAL ENGINEER

LANDSCAPE PLAN GATEWAY 51

COLUMBIA GATEWAY PARCEL M-214-H-6

TAX MAP 43 HOWARD CO. MD SCALE: 1" = 50' CGP 050.0150

PARCEL # 587 ELECTION DISTRICT # 6 SEPTEMBER 29, 1989 SHEET 6 OF 7 SDP-90-99

Key	Quantity	Common Name	Scientific Name	Size	Spacing	Remarks
Shade Trees						
AR	8	October Glory Red Maple	Acer rubrum 'October Glory'	2-1/2" - 3" cal.	As indicated	B & B
LS	2*	Sweet Gum	Liquidambar styraciflua	2-1/2" - 3" cal.	As indicated	B & B
PcB	2*	Bradford Pear	Pyrus calleryana 'Bradford'	2-1/2" - 3" cal.	As indicated	B & B
PcR	2*	Redspire Pear	Pyrus calleryana 'Redspire'	2-1/2" - 3" cal.	As indicated	B & B
Zs	4	Japanese Zelcova	Zelcova serrata	2-1/2" - 3" cal.	As indicated	B & B
Cj	2*	Katsura Tree	Cercidiphyllum japonicum	2-1/2" - 3" cal.	As indicated	B & B
Tc	22	Littleleaf Linden	Tilia cordata	2-1/2" - 3" cal.	As indicated	B & B
FIN	7	Newport Ash	Fraxinus lanceolata 'Newport'	2-1/2" - 3" cal.	As indicated	B & B
QR	14	Red Oak	Quercus borealis 'Rubra'	2-1/2" - 3" cal.	As indicated	B & B

240 TOTAL

Key	Quantity	Common Name	Scientific Name	Size	Spacing	Remarks
Flowering Trees						
CFR	22	Pink Flowering Dogwood	Cornus florida 'Rubra'	8' - 10' ht.	As indicated	B & B main leader, symmetrical
CK	4	Kousa Dogwood	Cornus kousa	6' - 8' ht.	As indicated	B & B main leader, symmetrical
PcT	20	Purpleleaf Flowering Plum	Prunus caroliniana 'Thunderbolt'	0' - 8' ht.	No indicated	0:0 symmetrical, main leader
Mdb	21	American Beauty Crab	Malus 'American Beauty'	0' - 8' ht.	No indicated	0:0 symmetrical, main leader

170 Total + 2 = 80

Key	Quantity	Common Name	Scientific Name	Size	Spacing	Remarks
Evergreen Trees						
Pn	2*	Austrian Pine	Pinus nigra	6' - 8' ht.	As indicated	B & B
Pt	2*	Japanese Black Pine	Pinus thunbergia	6' - 8' ht.	As indicated	B & B
Cl	49	Leland Cypress	Cupressus leylandii	6' - 8' ht.	As indicated	container
To	66	American Arborvitae	Thuja occidentalis	6' - 8' ht.	As indicated	B & B

222 TOTAL - 2 = 111

Site Planting Requirements

Site Area:	Required Planting:	400
	20 shade trees/acre for Research & Development	28
	28 shade trees/acre for Office	428
	TOTAL	428

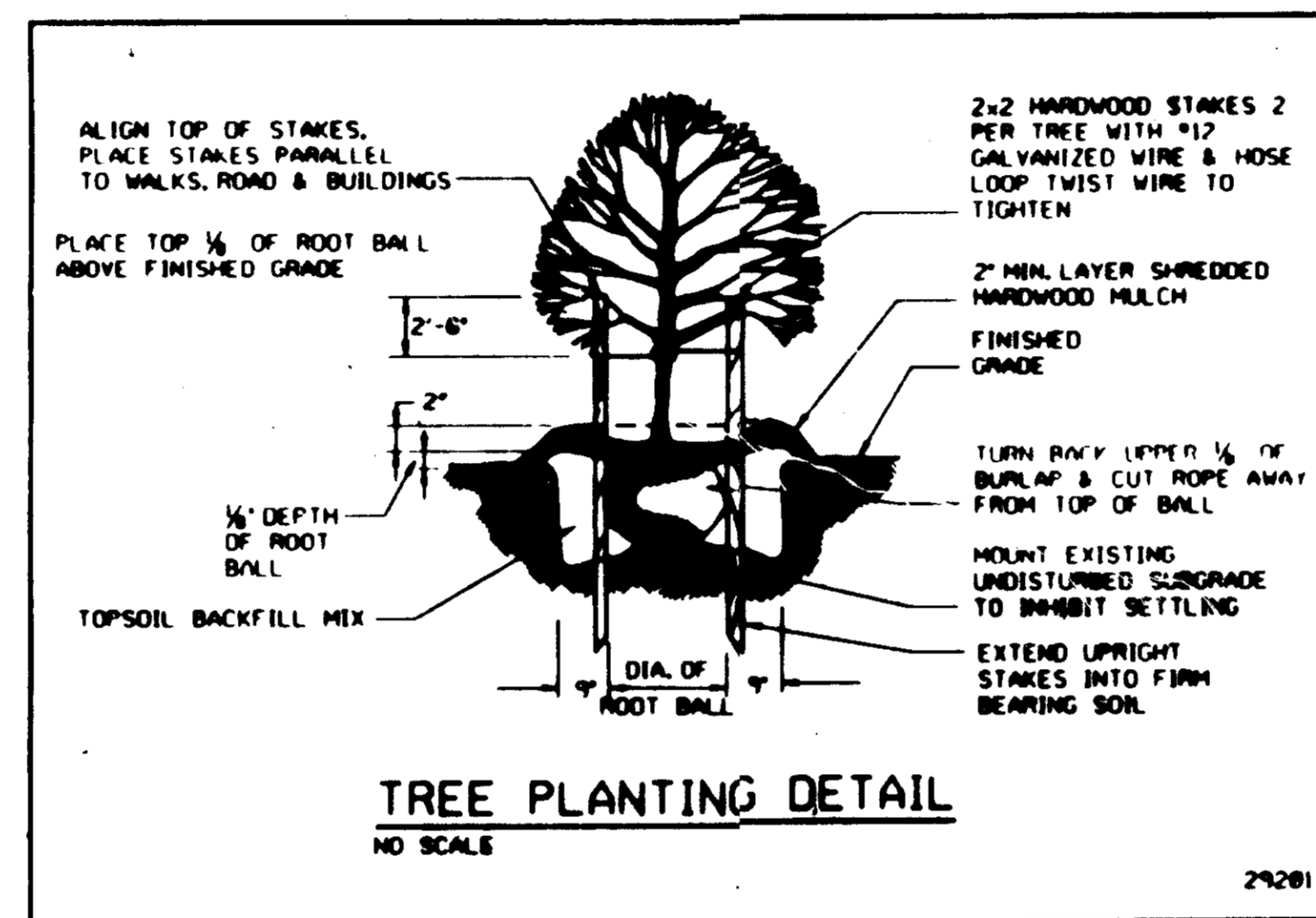
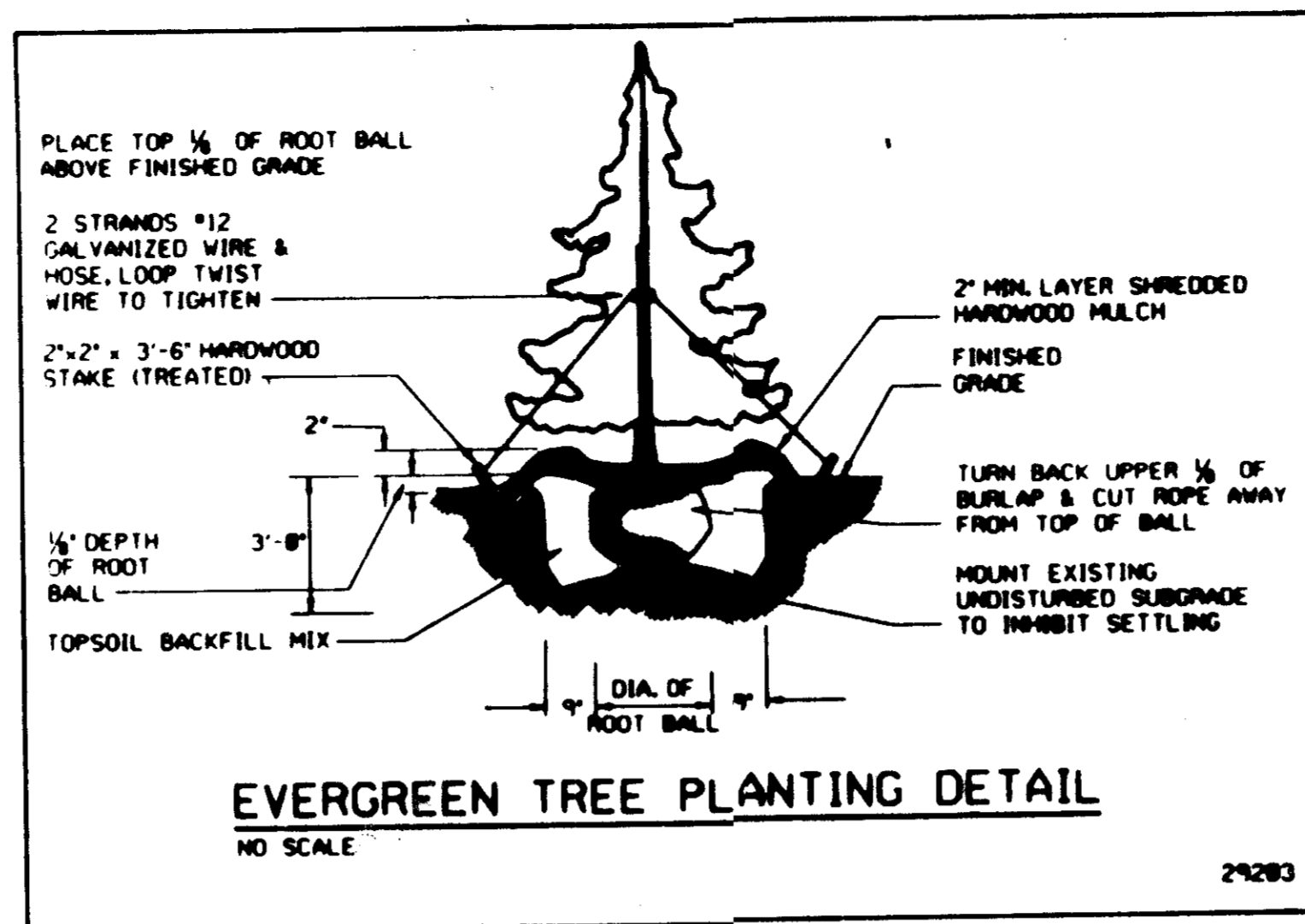
Allowed Substitution:

Maximum 50% required planting can be two flowering and two evergreen trees for one shade tree.

Required planting equals 428

Proposed planting equals 442

* INDICATES REVISIONS FOR BLDG "G"



THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT & MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

James H. Adam 5/15/90
SOIL CONSERVATION SERVICE DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *Robert W. Ziegen* 5-1-90
HOWARD SOIL CONSERVATION DISTRICT DATE

PLAN NUMBER

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

James Ford 9-27-90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING.

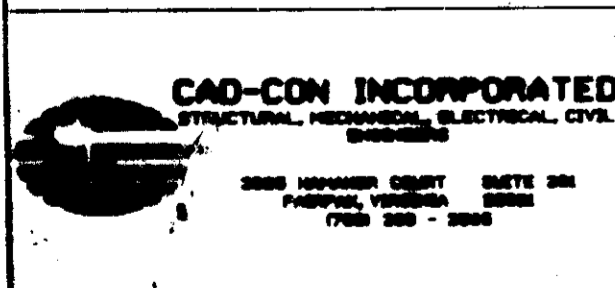
W. J. ... 11-21-90
DIRECTOR DATE

David V. ... 11/1/90
CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

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

James ... 9/24/90
DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING MK
DATE 9/25/90



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 S.W.M. FACILITY CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENT 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. THIS PLAN WAS 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 THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

OWNER/DEVELOPER PARCEL H-6
GATEWAY 54 PARTNERSHIP
C/O MANEKIN CORPORATION
7165 COLUMBIA GATEWAY DRIVE
COLUMBIA, MD. 21046
(301) 290-1400

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. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINE "AS-BUILT" OF THE S.W.M. FACILITY WITHIN 30 DAYS OF COMPLETION.

REVISIONS TO BUILDING 'G' AND SDP 88-235
PLANT LIST AND DETAILS
GATEWAY 51
COLUMBIA GATEWAY PARCEL
HOWARD CO, MD
CCI# 050.0150
M-2 and H-6
PARCEL 587
ELECTION DIST. 6
SEPTEMBER 29, 1989
SHEET 7 OF 7
SDP-90-99

