

GW GUTSCHICK LITTLE & WEBER, P.A.
ENGINEERS, PLANNERS, SURVEYORS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MD 20866
TEL: (301) 421-4024

DESIGNED: H.K.
DRAWN: H.K./G.A.W.
CHECKED: DEV

DATE: Feb. 1995

Revised Road Plans
Governors Run
Section Three
Lots 131 Thru 193
Second Election District
Howard County, Maryland

Owner/Developer: Governors Run Communities, Inc.
% Grassabaum & Rose Assoc., Inc.
1820 Reisterstown Road, Suite 410 Woodholms Center
Baltimore, Maryland 21208

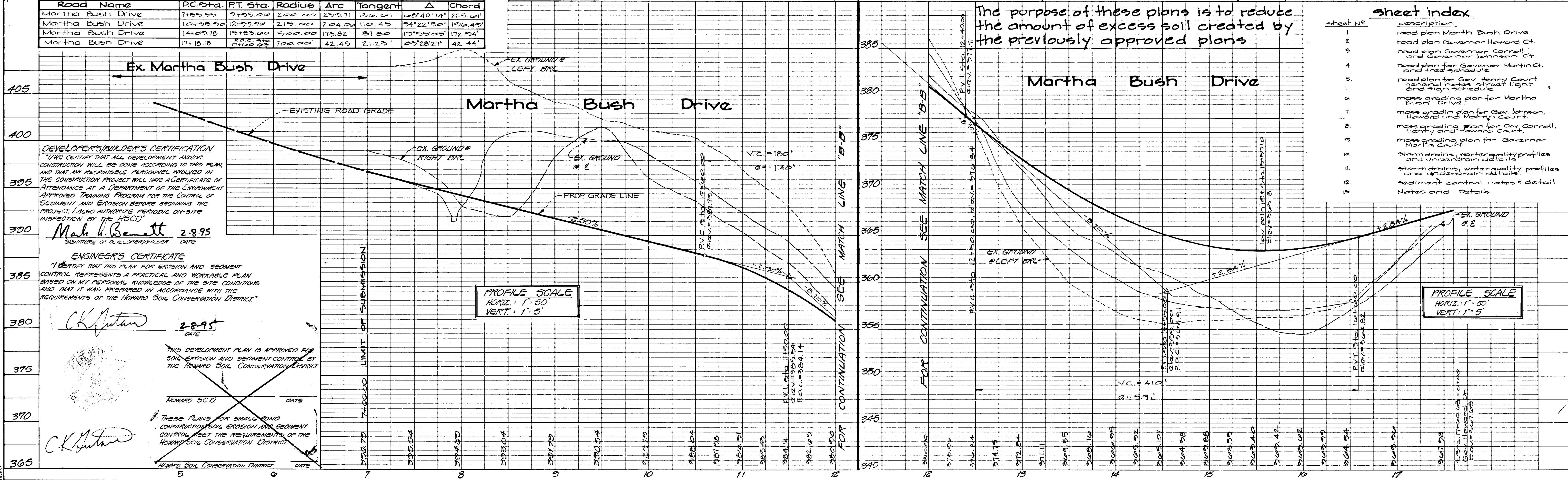
JOB NO. 13084

Approved: Department of Public Works
Chief, Land Development Division
Date: 4/11/95

Approved: Department of Planning and Zoning
Chief, Division of Land Development & Research
Date: 4/23/95

Centerline Curve Data Chart

Road Name	P.C. Sta.	P.T. Sta.	Radius	Arc	Tangent	Δ	Chord
Martha Bush Drive	7155.35	7195.00	200.00	239.71	136.41	68°40'14"	223.41'
Martha Bush Drive	10195.00	12199.90	215.00	204.06	110.45	34°22'50"	176.40'
Martha Bush Drive	14199.78	15183.00	500.00	173.82	87.80	17°55'05"	172.94'
Martha Bush Drive	17181.10	17162.25	700.00	42.43	21.23	03°28'27"	42.44'



8851

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 and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Ch. H. Hutter
 2-8-95
 Date

Howard County, MD
 L. 728 F. 035

DEVELOPER'S/BUILDER'S CERTIFICATE

IF WE CERTIFY THAT ALL DEVELOPMENT AND/OR 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 THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT, I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE H.S.C.D.

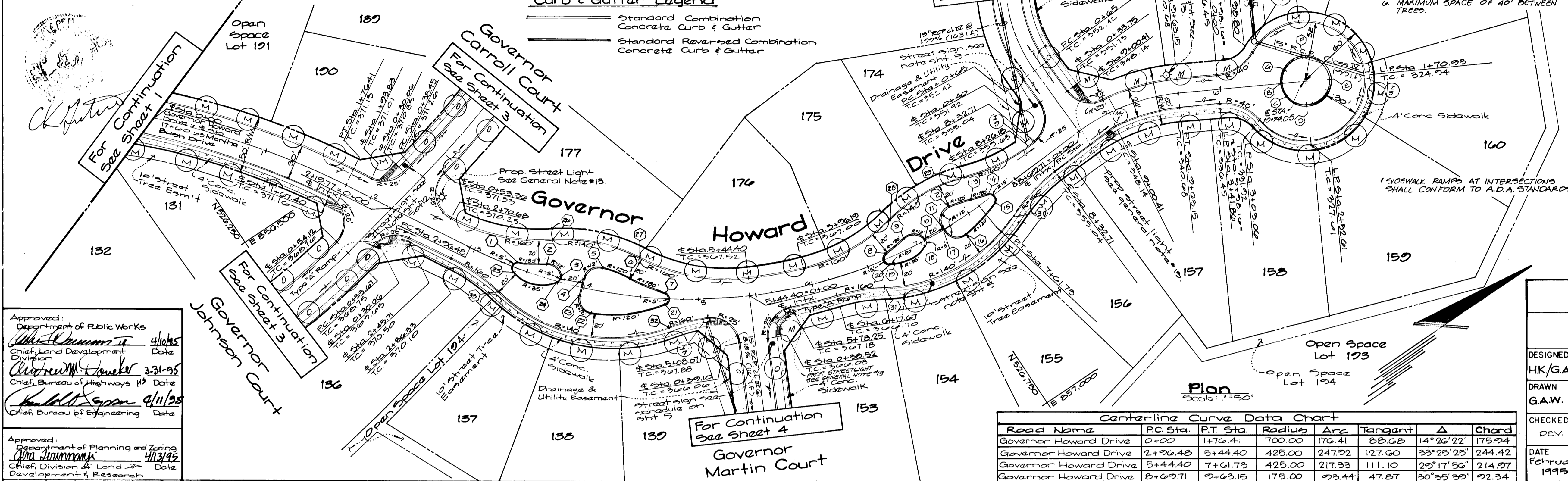
Mark C. Burt
 2-8-95
 DATE

SIGNATURE OF DEVELOPER/BUILDER

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

HOWARD SOIL CONSERVATION DISTRICT DATE

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



- THE FOLLOWING MINIMUM DISTANCES MUST BE HELD FOR SPACING FROM A STREET TREE:
- 20' BETWEEN A STREET LIGHT & TREE.
 - 30' BETWEEN A STREET SIGN OR INTERSECTION & TREE.
 - 5' BETWEEN A STRUCTURE & TREE.
 - 10' BETWEEN A DRIVEWAY & TREE.
 - 4' BETWEEN SIDEWALK & TREE.
 - MAXIMUM SPACE OF 40' BETWEEN TREES.

HOWARD SOIL CONSERVATION DISTRICT

Top of Curb Elevation Table			
Point No.	T.C. Elevation	Point No.	T.C. Elevation
1	362.04	19	365.51
2	362.40	20	365.60
3	362.53	21	365.60
4	362.22	22	365.75
5	362.75	23	362.25
6	362.64	24	362.60
7	362.02	25	362.02
8	365.72	26	362.32
9	364.70	27	362.52
10	364.30	28	364.17
11	363.30	29	360.37
12	362.17	30	350.30
13	361.14	31	365.34
14	360.20	32	362.20
15	360.17	33	362.64
16	362.21		
17	363.33		
18	364.33		
19	365.54	19	365.54
20	362.67	20	362.50
21	362.57	21	362.57
22	362.50	22	362.57

Approved:
 Department of Public Works
William J. Hutter 4/1/95
 Chief, Land Development Division
Robert J. Hutter 3-31-95
 Chief, Bureau of Highways
Robert J. Hutter 4/1/95
 Chief, Bureau of Engineering

Approved:
 Department of Planning and Zoning
John J. Hutter 4/1/95
 Chief, Division of Land Development & Research

Centerline Curve Data Chart							
Road Name	P.C. Sta.	P.T. Sta.	Radius	Ang	Tangent	Δ	Chord
Governor Howard Drive	0+00	1+76.41	700.00	176.41	88.68	14°26'22"	175.24
Governor Howard Drive	2+96.48	5+44.40	425.00	247.92	127.60	33°25'25"	244.42
Governor Howard Drive	5+44.40	7+61.73	425.00	217.33	111.10	29°17'56"	214.97
Governor Howard Drive	8+62.71	9+63.15	175.00	23.44	47.87	30°35'39"	92.34

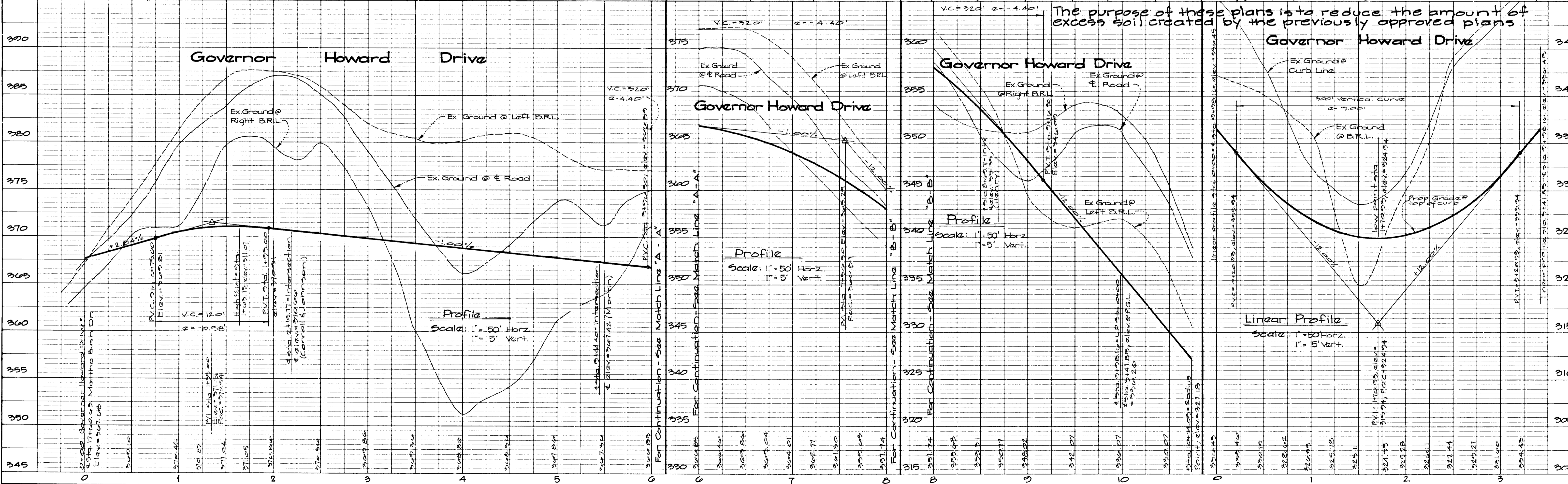
GLW GUTSCHICK LITTLE & WEBER, P.A.
 ENGINEERS, PLANNERS, SURVEYORS
 3909 NATIONAL DRIVE SUITE 250 BURTONSVILLE OFFICE PARK BURTONSVILLE, MD 20866
 TEL.: (301) 421-4024

DESIGNED: HK/G.A.W.
 DRAWN: G.A.W.
 CHECKED: DEW.

DATE: February 1995

Owner/Developer: Elkridge Plaza, Inc.
 1820 Reisterstown Road, Suite 410 Woodholme Center
 Baltimore, Maryland 21208 (410) 484-8400

SCALE: As Shown
 DRAWING: 2 of 15
 JOB NO: 95084



1588

Developer's/Builder's Certificate

I/We certify that all development and/or construction will be done according to this plan, and that any reasonable personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion beginning this project. I/We authorize periodic on-site inspection by the U.S.C.D.

Mark H. Buntt
Signature of Developer/Builder
2-8-95
Date

THE FOLLOWING MINIMUM DISTANCES MUST BE MAINTAINED FROM A STREET TREE:

1. 20' BETWEEN STREET LIGHT & TREE.
2. 20' BETWEEN A STREET SIGN OR INTERSECTION & TREE.
3. 5' BETWEEN A STRUCTURE & TREE.
4. 10' BETWEEN A DRIVEWAY & TREE.
5. 4' BETWEEN SIDEWALK & TREE, AND
6. MAXIMUM SPACE OF 40' BETWEEN TREES.

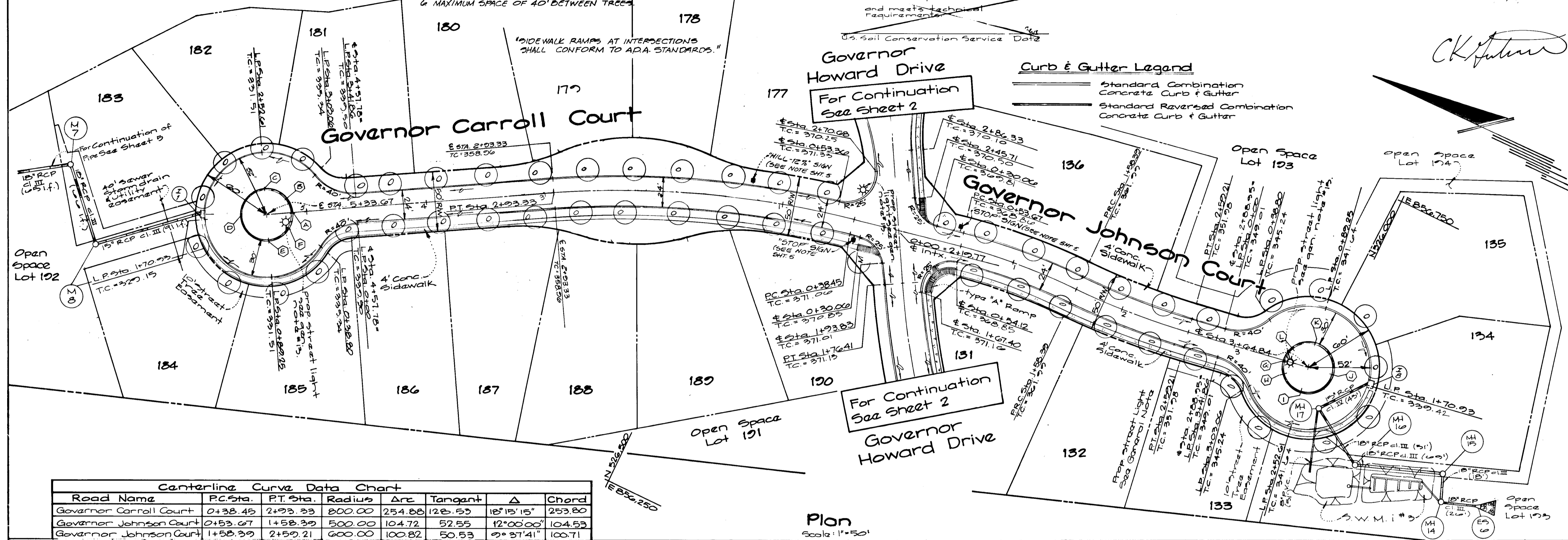
Engineer's Certificate

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 and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

CK Futura
Signature of Engineer
2-8-95
Date

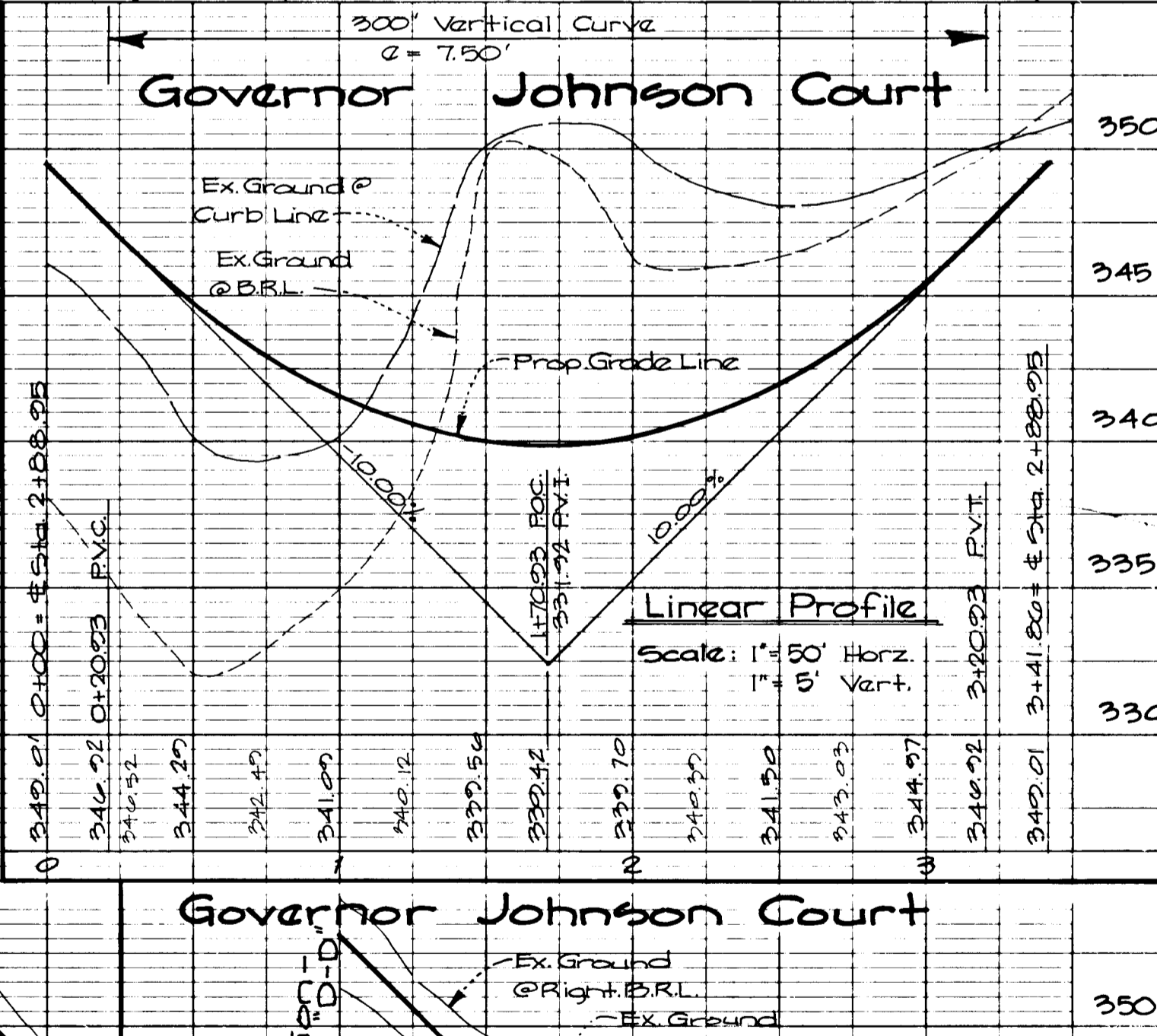
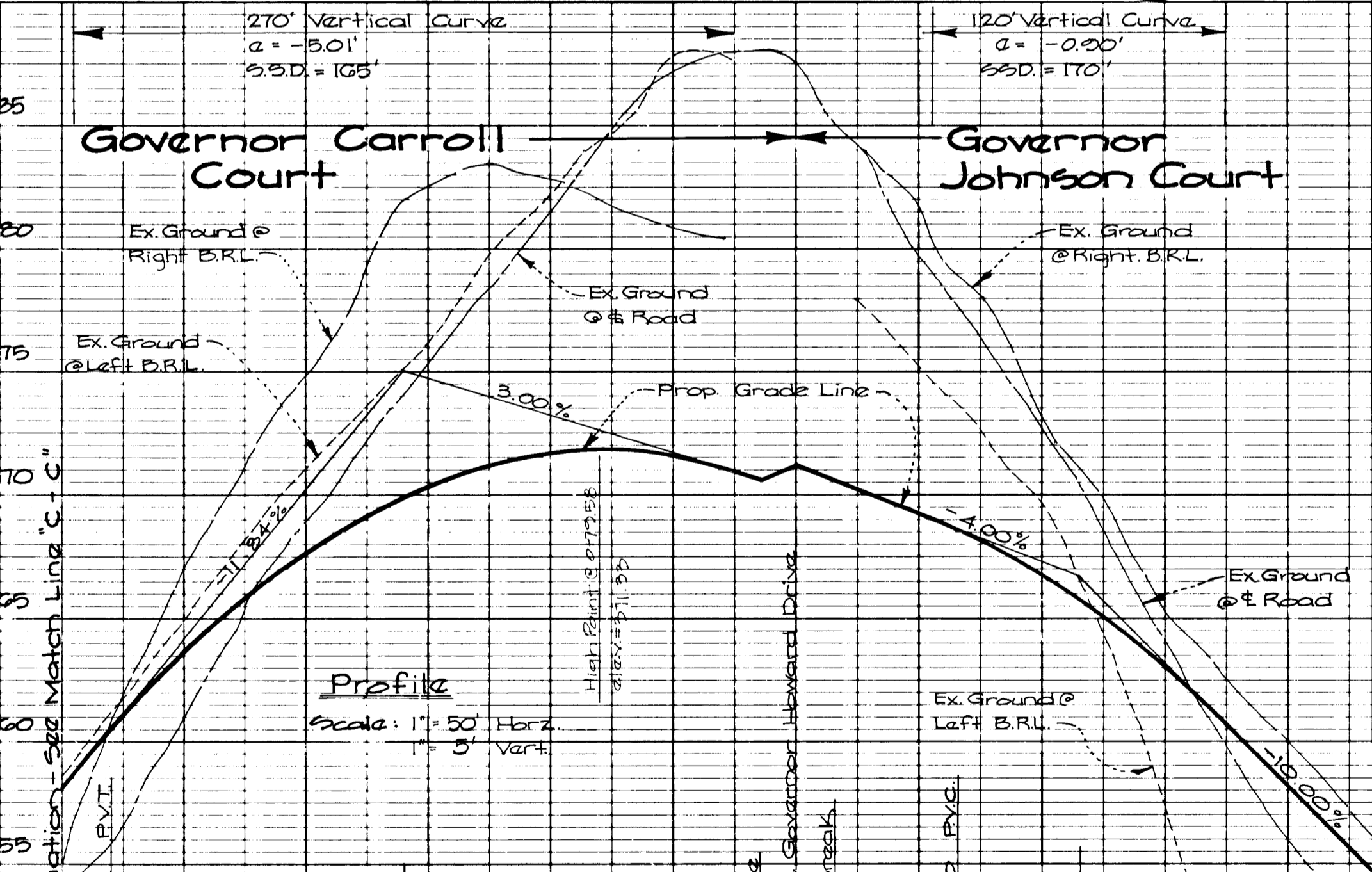
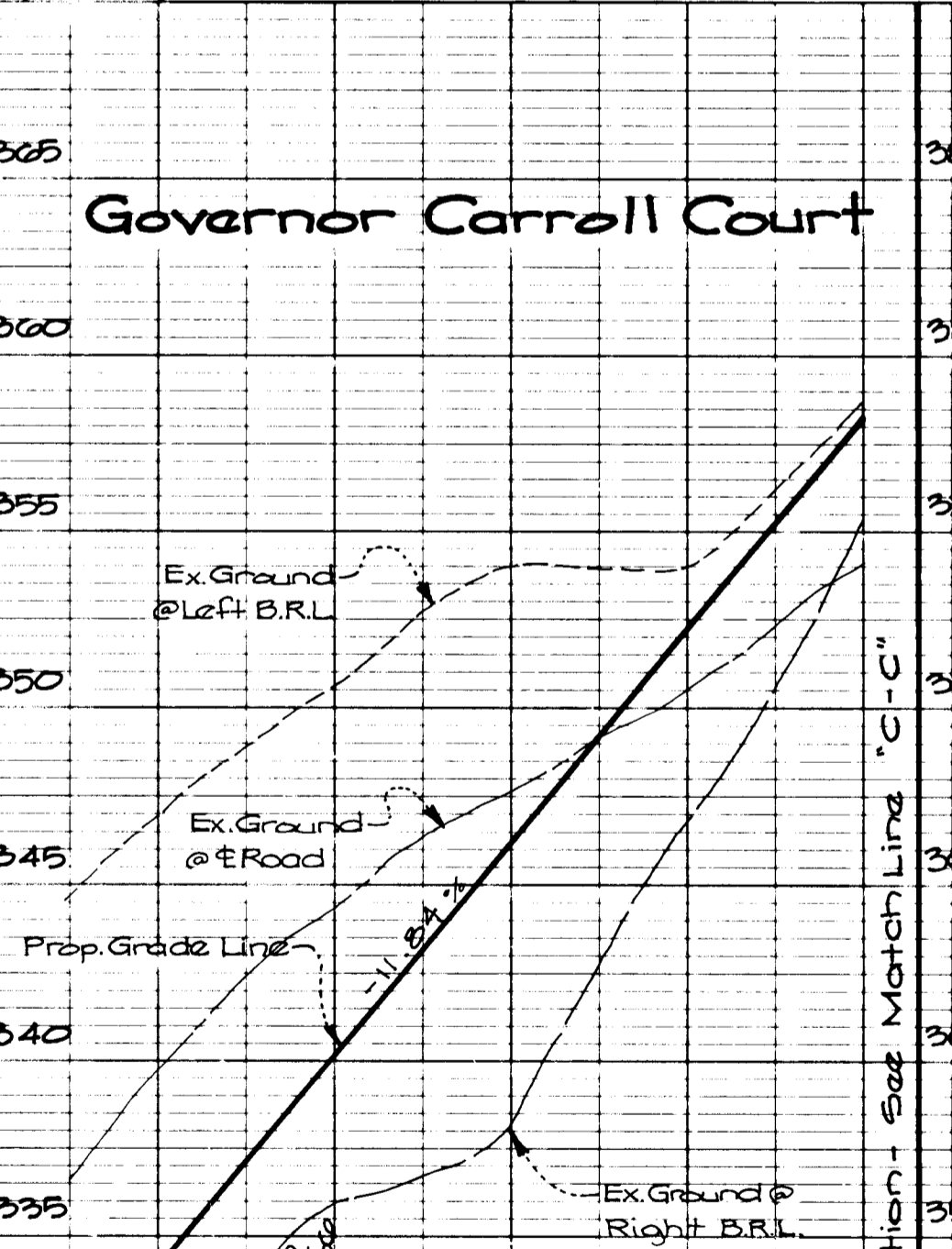
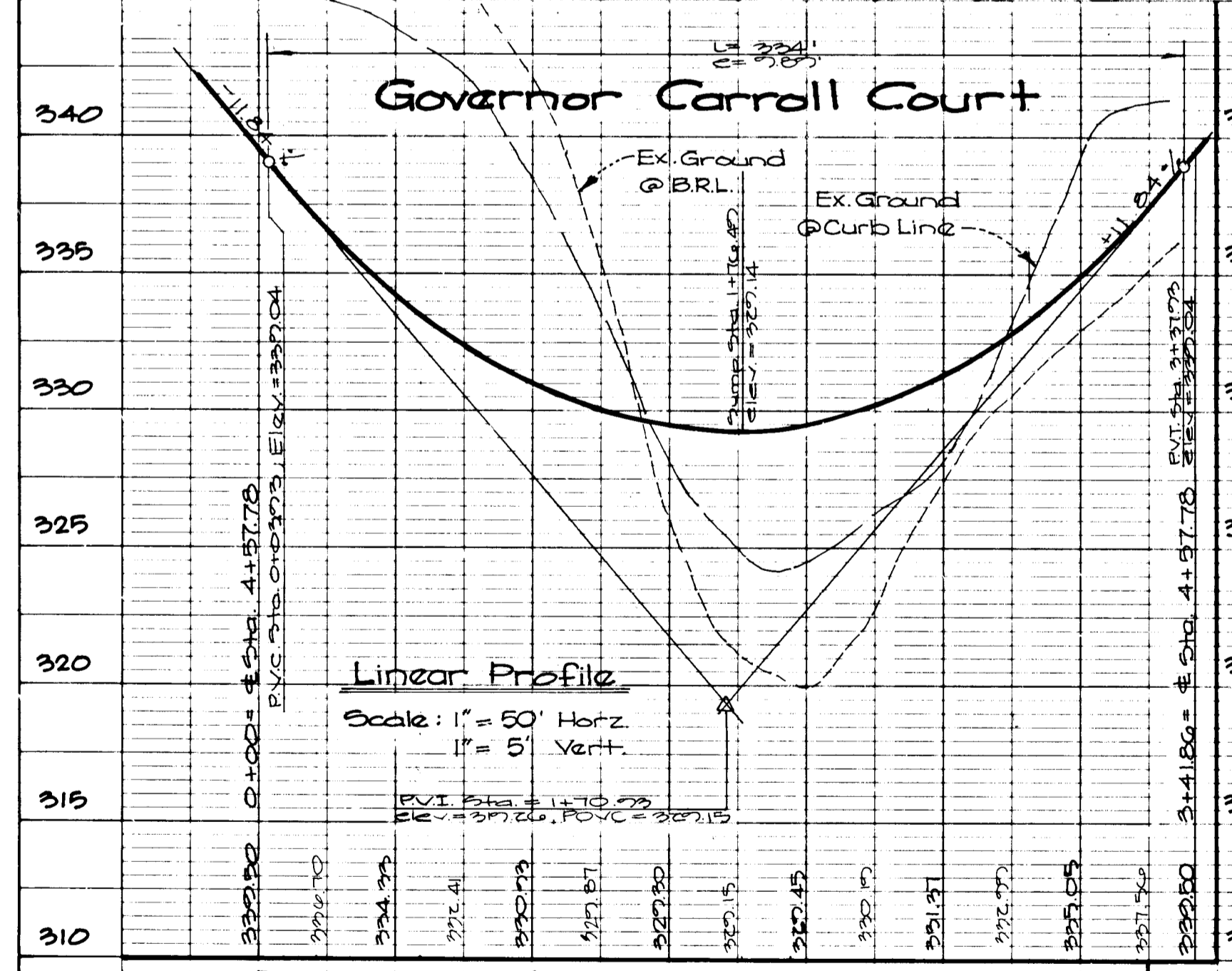
Reviewed for H.S.C.D. and meets technical requirements.
US Soil Conservation Service Date

Top of Curb Elevation Table			
Point No.	T.C. Elevation	Point No.	T.C. Elevation
1	345.71	11	347.57
2	345.53	12	346.70
3	345.40	13	345.17
4	345.10	14	345.17
5	345.40	15	345.17
6	345.53	16	346.70



Centerline Curve Data Chart						
Road Name	P.C. Sta.	P.T. Sta.	Radius	Arc	Tangent	Chord
Governor Carroll Court	0+38.45	2+93.33	800.00	254.88	128.53	181'15.15"
Governor Johnson Court	0+53.67	1+58.39	500.00	104.72	52.35	12'00.00"
Governor Johnson Court	1+58.39	2+59.21	600.00	100.82	50.53	9'37.41"

Plan Scale: 1" = 50'



The purpose of these plans is to reduce the amount of excess soil created by the previously approved plans.

DATE	REVISION	BY
4/10/95	Revised grading on Gov. Carroll Court	KLP
3-31-95	Approved: Department of Public Works	
4/11/95	Approved: Department of Planning and Zoning	

GUTSCHICK LITTLE & WEBER, P.A.
ENGINEERS, PLANNERS, SURVEYORS
3909 NATIONAL DRIVE - SUITE 250 BURTONSVILLE OFFICE PARK - BURTONSVILLE, MD 20866
TEL: (301) 421-4024

DESIGNED: H.K./G.A.W.
DRAWN: G.A.W.
CHECKED: DEY

Project: Revised Road Plans
Governors Run
Section Three
Lots 131 Thru 133
Second Election District
Howard County, Maryland

DATE: February 1995
JOB NO: 73004

1588

Point No.	T.C. Elevation
1	324.92
2	328.98
3	340.58
4	329.28
5	328.19
6	326.17

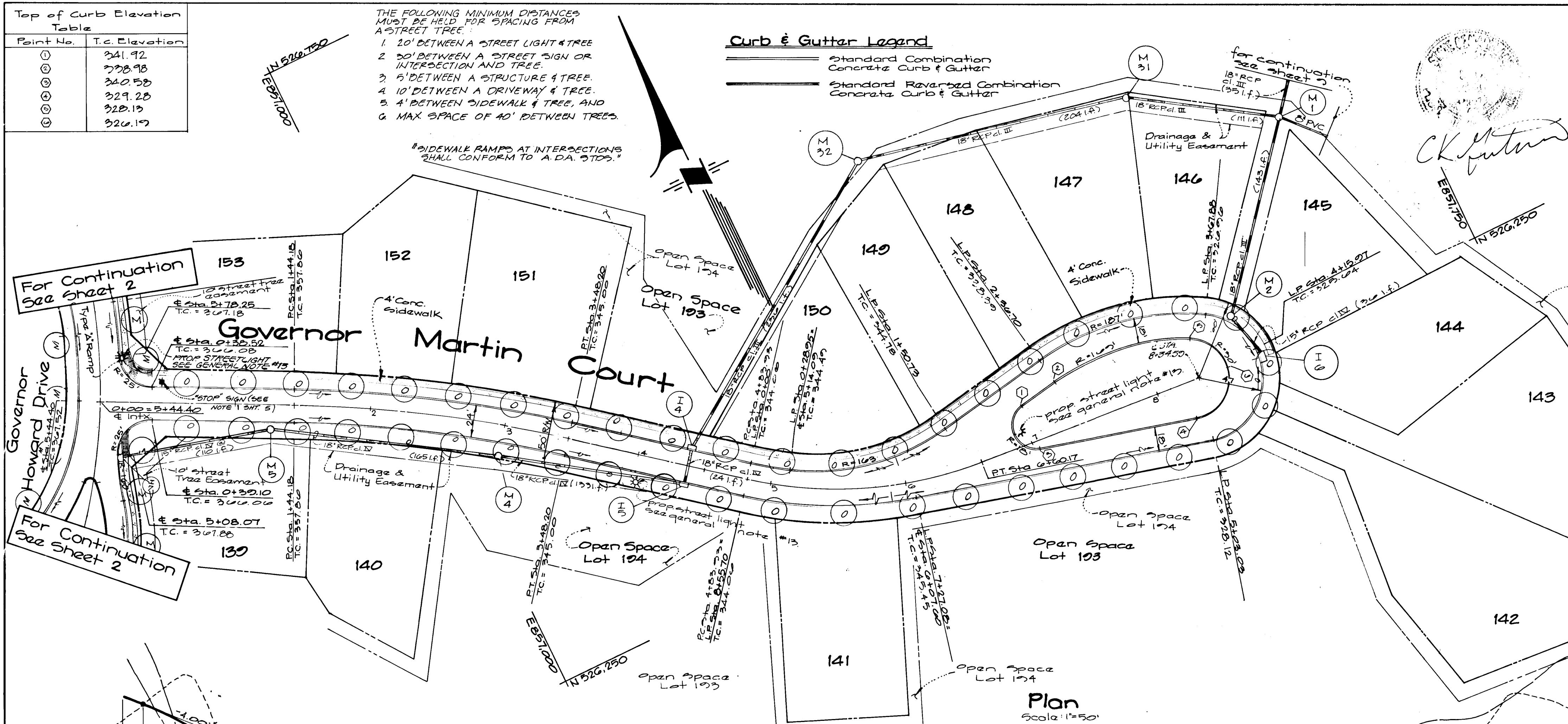
- THE FOLLOWING MINIMUM DISTANCES MUST BE HELD FOR SPACING FROM A STREET TREE:
- 20' BETWEEN A STREET LIGHT & TREE
 - 20' BETWEEN A STREET SIGN OR INTERSECTION AND TREE.
 - 6' BETWEEN A STRUCTURE & TREE.
 - 10' BETWEEN A DRIVEWAY & TREE.
 - 4' BETWEEN SIDEWALK & TREE, AND
 - MAX SPACE OF 40' BETWEEN TREES.

Curb & Gutter Legend

- Standard Combination Concrete Curb & Gutter
- Standard Reversed Combination Concrete Curb & Gutter

QUANTITY	KEY PLANT NAME & SYMBOL	SIZE	REMARKS
106	(M) ACER SACCHARUM-GREEN MOUNTAIN SUGAR MAPLE	2"-2 1/2" CAL.	818 HEAVYHEAD
113	(O) QUERCUS RUBRA NORTHERN RED OAK	2"-2 1/2" CAL.	818 HEAVYHEAD
3	(P) PINUS STROBUS EASTERN WHITE PINE	2"-2 1/2" CAL.	818 CENTRAL LEADER

Centerline Curve Data Chart							
Road Name	P.C. Sta.	P.T. Sta.	Radius	Arc	Tangent	Δ	Chord
Governor Martin Court	1+44.18	3+48.20	1000.00	204.02	102.97	11°41'22"	203.67
Governor Martin Court	4+23.23	6+60.17	300.00	176.24	20.75	33°39'34"	173.72



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 and that it was prepared in accordance with the requirements of the National Best Management Practices Manual of the National Conservation District.

Signature
Date: 2-8-95

Approved: Department of Public Works
Signature 4/11/95
Chief, Land Development Division Date

Signature 3-31-95
Chief, Bureau of Highways Date

Signature 4/11/95
Chief, Bureau of Engineering Date

Developer's/Builder's Certificate
I/We certify that all development and/or 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 the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I/We agree to permit on-site inspection by the U.S.C.D.

Signature
Date: 2-9-95

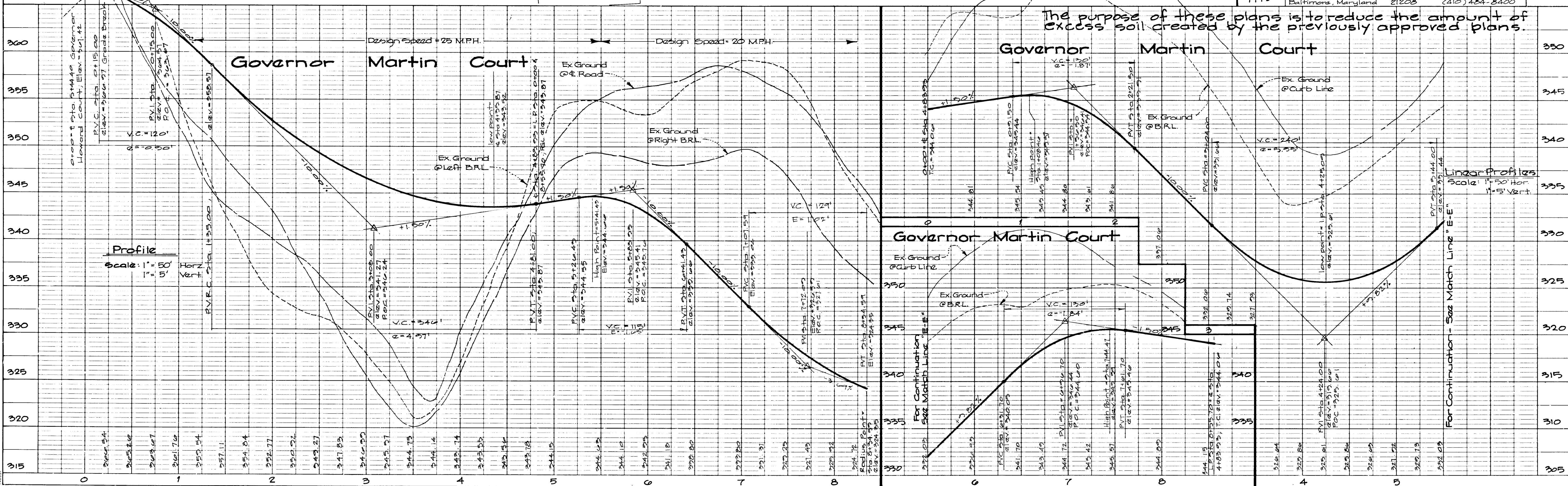
Approved: Department of Planning and Zoning
Signature 4/13/95
Chief, Division of Land Development & Research Date

G.W. GUTSCHICK LITTLE & WEBER, P.A.
ENGINEERS, PLANNERS, SURVEYORS
3909 NATIONAL DRIVE SUITE 250 BURTONSVILLE OFFICE PARK BURTONSVILLE, MD 20866
TEL: (301) 421-4024

DESIGNED: HK/G.A.W.
DRAWN: G.A.W.
CHECKED: DEY
DATE: February 1995

Revised Road Plans
Governors Run
Section Three
Lots 131 Thru 133
Second Election District
Howard County, Maryland

SCALE: As Shown
DRAWING: 4 of 13
JOB NO: 99084



The purpose of these plans is to reduce the amount of excess soil created by the previously approved plans.

Linear Profiles
Scale: 1"=50' Hor
1"=5' Vert

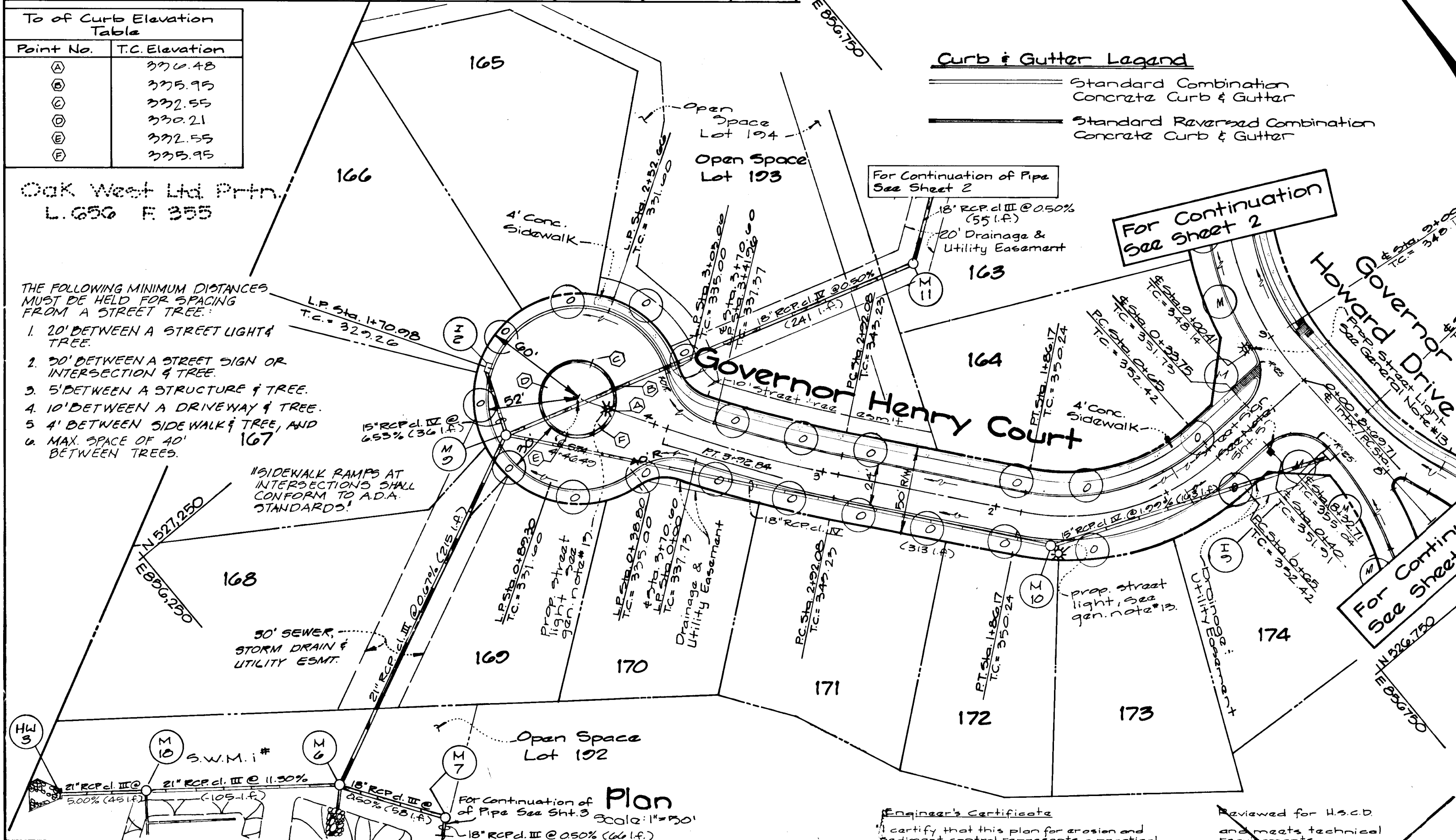
1588

Road Name	P.C. Sta.	P.T. Sta.	Radius	Arc Length	Δ	Chord
Governor Henry Court	0+05	1+04.17	190.00	121.17	63°24'13"	116.83
"	2+92.08	3+22.84	760.00	100.70	50°45'	100.08

Point No.	T.C. Elevation
①	372.48
②	372.55
③	372.21
④	372.55
⑤	372.45

Oak West Ltd Ptn.
L. 656 F. 355

- THE FOLLOWING MINIMUM DISTANCES MUST BE HELD FOR SPACING FROM A STREET TREE:
1. 20' BETWEEN A STREET LIGHT & TREE.
 2. 20' BETWEEN A STREET SIGN OR INTERSECTION & TREE.
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 6. MAX. SPACE OF 40' BETWEEN TREES.



Curb & Gutter Legend

- Standard Combination Concrete Curb & Gutter
- Standard Reversed Combination Concrete Curb & Gutter

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
2. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF CONSTRUCTION INSPECTION AT (301) 792-7272 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
3. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST (5) FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THE PLANS.
 - MISS UTILITY COMPANY 1-800-257-7777
 - CAP TELEPHONE COMPANY 725-8976
 - HOWARD COUNTY BUREAU OF UTILITIES 313-4900
 - AT&T CABLE LOCATION DIVISION 393-3553
 - BALTIMORE GAS & ELECTRIC CO. 685-0123
 - STATE HIGHWAY ADMINISTRATION 531-5533
4. PROJECT BACKGROUND:
 - LOCATION: MARTHA BUSH DR.
 - TAX MAP: 25 PARCEL: 4 & P/O 2
 - ZONING: RE-D
 - SECTION/AREA: SECTION 3
 - TOTAL TRACT AREA: 58.23 AC.
 - SECTION AREA: 58.23 AC.
 - NUMBER OF PROPOSED LOTS: 60 BUILDABLE, 3 OPEN SPACE
 - APPROVED AND UPZ REFERENCE: P.B. 262, S 89-57, WP 90-01, WP 90-86
5. TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
6. TOPOGRAPHY SHOWN IS AT TWO FOOT CONTOUR INTERVALS AND WAS DETERMINED BY P.D.S. THE SURVEY WAS DONE USING AERIAL PHOTOGRAPHY.
7. HORIZONTAL AND VERTICAL CONTROLS WERE ESTABLISHED USING HOWARD COUNTY CONTROL POINTS 3343001 AND 3243002.
8. LIGHT POLES AND FIXTURES FOR STREET LIGHTS SHALL BE IN ACCORDANCE WITH THE LATEST HOWARD COUNTY DESIGN MANUAL, VOLUME II, ROADS AND BRIDGES.
9. WATER AND SEWER FOR THIS PROJECT IS PUBLIC AND WILL BE CONSTRUCTED UNDER CONTRACT NUMBER 14-99-10. THE SYSTEM IS WITHIN THE PATAPSCO DRAINAGE AREA.
10. THIS SITE IS PROVIDING WATER QUALITY ONLY BY USING SAND FILTER FACILITIES. STORMWATER MANAGEMENT QUANTITY WILL BE SATISFIED BY A FEE-IN-LIEU OF PAYMENT OR AN IMPROVEMENT WITHIN THE WATERSHED.
11. THE FLOODPLAIN STUDY WAS PREPARED BY GUTSCHICK, LITTLE & WEBER, P.A. IN JANUARY OF 1990 AND APPROVED AS PART OF S 89-57.
12. VEGETATIVE ANALYSIS AND TREE SELECTION WAS PREPARED BY EXPLORATION RESEARCH INC. IN JANUARY OF 1990.
13. A TRAFFIC STUDY WAS NOT REQUIRED FOR THIS SUBDIVISION.
14. A NOISE STUDY WAS NOT REQUIRED FOR THIS SUBDIVISION.
15. AN INFILTRATION STUDY WAS PREPARED BY KESSE CONSULTANTS, INC. IN FEBRUARY OF 1990. HOWEVER, A GEO-TECHNICAL REPORT WAS NOT PREPARED BEFORE THE FEE-IN-LIEU OF ARRANGEMENT.
16. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM BEST AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF THE MAINS BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF CONSTRUCTION. ANY DISCREPANCIES MUST BE COMMUNICATED TO THE ENGINEER FOR POSSIBLE RE-DESIGN.
17. ALL PIPE ELEVATIONS SHOWN ARE INVERTS.
18. ON JULY 26, 1990, WP-90-01, WAIVER OF THE PRELIMINARY PLAN SUBMISSION WAS GRANTED, SUBJECT TO PROVIDING ALL INFORMATION AND DATA AS REQUIRED ON ALL FUTURE SUBMISSIONS.
19. ON MAY 31, 1990, WP-90-86, WAIVER TO PERMIT THE MAXIMUM LENGTH OF A CUL-DE-SAC PUBLIC ROAD TO EXCEED 1200 FEET, WAS GRANTED, SUBJECT TO (i) GRADING AND CLEARING BE MONITORED IN STEEP SLOPE AND WOODED AREAS, (ii) APPROVAL OF THE ROAD ALIGNMENT THROUGH THE COUNTY AND STATE PROPERTIES AND (iii) THE PROTECTION OF THE UNITS BY PROVIDING APPROVED AUTOMATIC SPRINKLER SYSTEMS.

Station	Type of Sign
7+10 Martha Bush Dr. 15' RT.	R2-1 "Speed Limit 30" Sign, 24"x30" Rectangular
0+35 Gov. Carroll Court 16' Lt.	R1-1 "Stop" Sign, 30"x30" Octagon
0+33 Gov. Johnson Ct. 16' Lt.	R1-1 "Stop" Sign, 30"x30" Octagon
0+44 Gov. Martin Court 16' Lt.	R1-1 "Stop" Sign, 30"x30" Octagon
0+40 Gov. Henry Court 16' Lt.	R1-1 "Stop" Sign, 30"x30" Octagon
0+33 Gov. Howard Dr. 16' Rt.	W7-1b "Hill" 12"x12" Sign, 30"x30" Diamond
1+27 Gov. Carroll Court 16' Rt.	W7-1b "Hill" 12"x12" Sign, 30"x30" Diamond

All additional erosion control measures have been designed for maximum efficiency & must be inspected by the developer or his/her representative on a daily basis & especially after events of precipitation. Any needed repairs to the sediment control measures must be done within 24 hrs. A bi-weekly report shall be submitted to the Howard County Inspector on this subject.

Approved: Department of Public Works
 Chief, Land Development Division
 Chief, Bureau of Highways
 Chief, Bureau of Engineering

Approved: Department of Planning and Zoning
 Chief, Division of Land Development & Research

Street Name, Stationation, Offset (Comments)	Lamp Type (if standard symbol)	Mounting	Pole Type
Martha Bush Drive - 1 8+85 16' L.	100 Watt High Pressure Sodium Vapor	Traditional Post-top	14" Black Fiberglass
Martha Bush Drive - 1 12+07 16' L.	"	"	"
Martha Bush Drive - 1 15+12 16' L.	"	"	"
Governor Howard Dr. - 1 2+55 16' R.	"	"	"
Governor Howard Dr. - 1 3+15 16' R.	"	"	"
Governor Howard Dr. - 1 9+02 16' R.	"	"	"
Governor Carroll Ct. - 1 3+17 on cul-de-sac island - 16' L.	"	"	"
Governor Johnson Ct. - 1 3+48 on cul-de-sac island - 16' L.	"	"	"
Governor Martin Ct. - 1 4+02 16' L.	"	"	"
Governor Martin Ct. - 1 0+40 16' L. on cul-de-sac island - 16' L.	"	"	"
Governor Henry Ct. - 1 1+05 21' L.	"	"	"
Governor Henry Ct. - 1 4+20 on cul-de-sac island - 16' L.	"	"	"

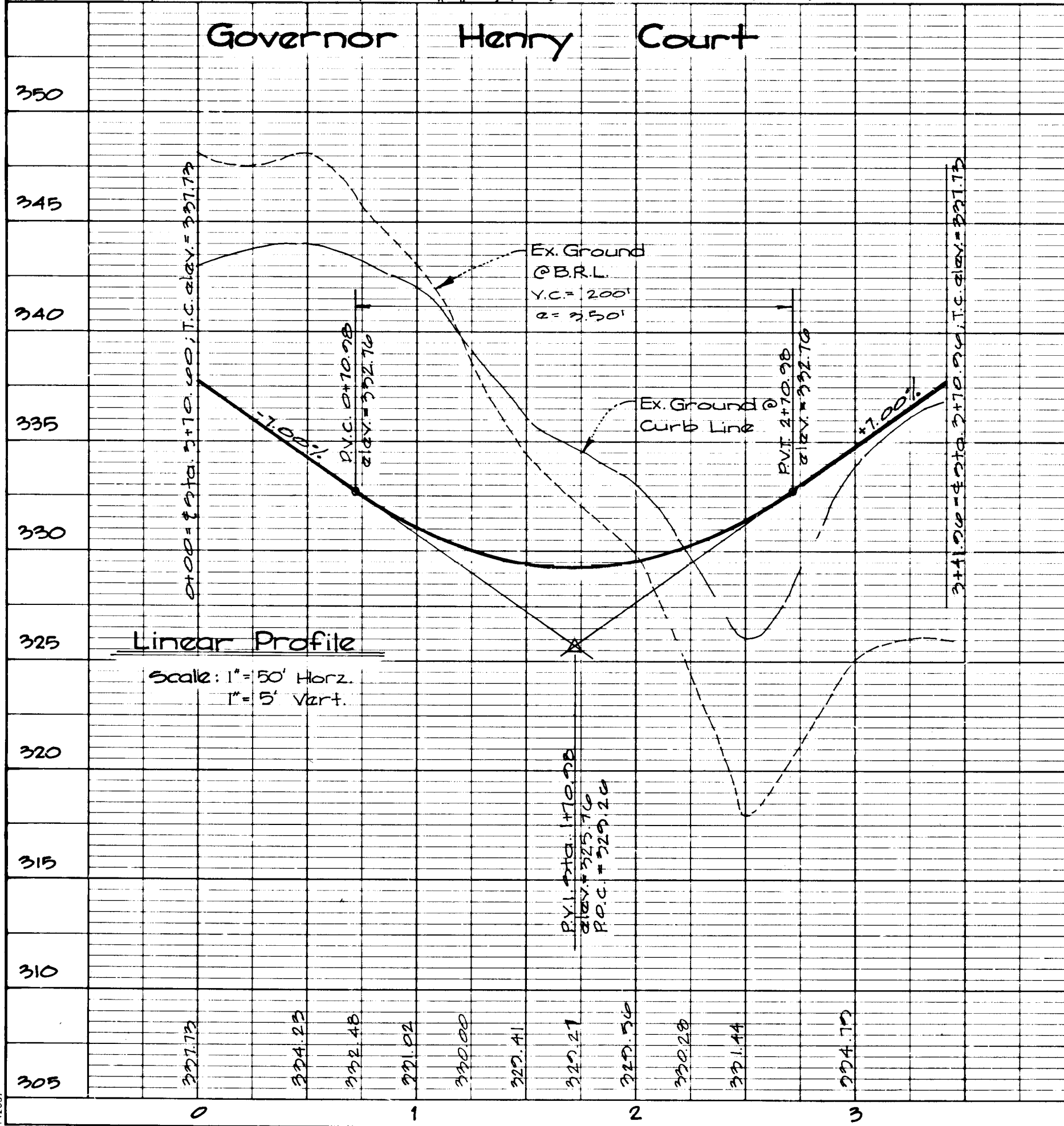
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 TEL: (301) 421-4024

DESIGNED: H.K./G.A.W.
 DRAWN: G.A.W.
 CHECKED: DEV.
 DATE: February 1995

Revised Road Plans
Governors Run
 Section Three
 Lots 131 Thru 125
 Second Election District
 Howard County, Maryland

Owner/Developer: Governors Run Communities, Inc.
 50 Greenbaum & Rose Assoc., Inc.
 1820 Reisterstown Road, Suite 410 Woodholme Center
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SCALE: As Shown
 DRAWING: 5 of 13
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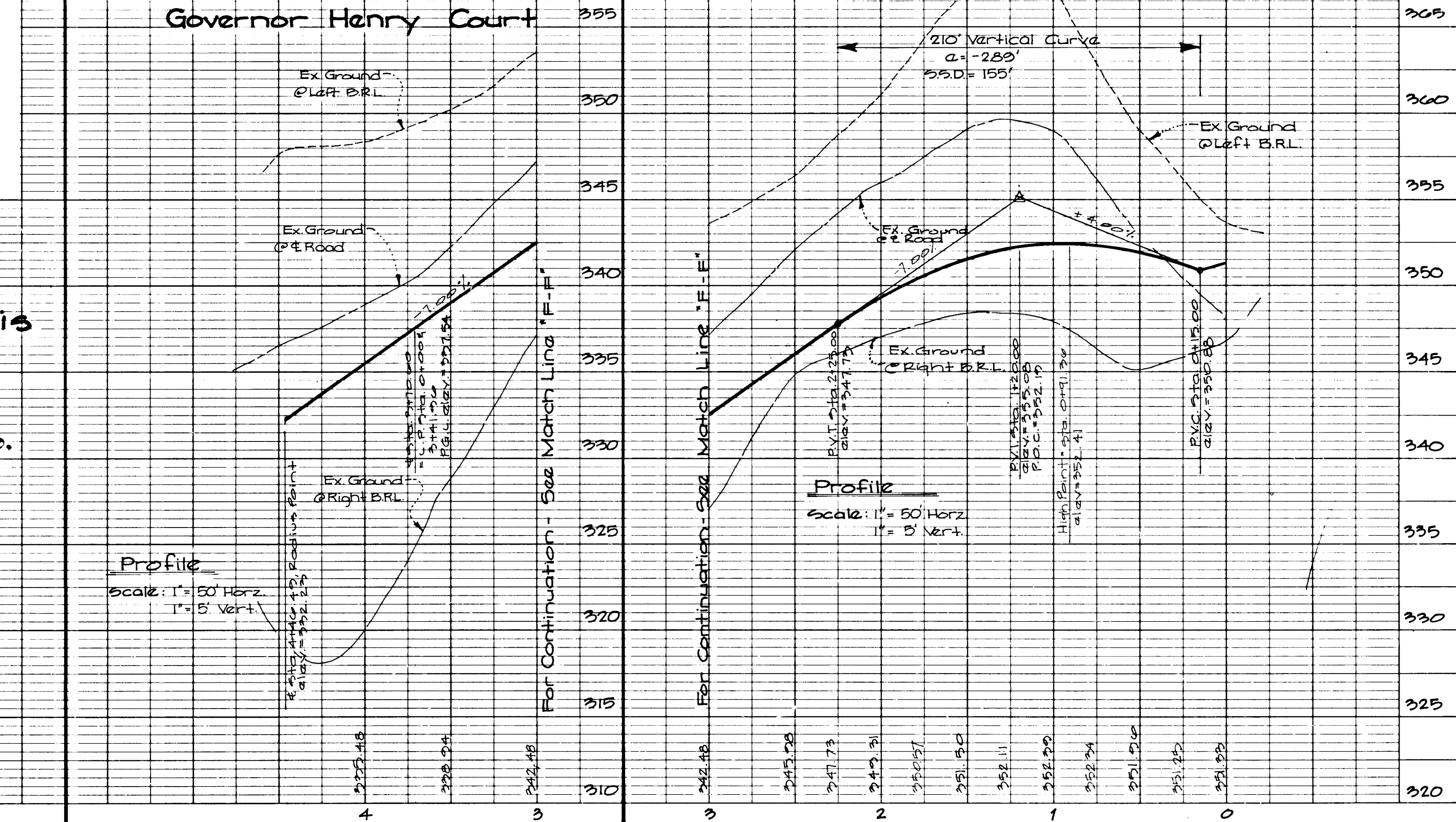


Engineer's Certificate
 I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and it was prepared in accordance with the requirements of the Howard Soil Conservation District.
 Date: 2-8-95
 Signature: [Signature]

Developer's/Builder's Certificate
 I/We certify that all development and/or 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 Dept. of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I/We also authorize periodic on-site inspection by U.S.C.D.
 Date: 2-8-95
 Signature: [Signature]

Reviewed for U.S.C.D. compliance, technical requirements.
 U.S. Soil Conservation Service Date: [Signature]
 Howard S.C.D. Date: [Signature]

The purpose of these plans is to reduce the amount of excess soil created by the previously approved plans.



8951

APPROVED:
DEPARTMENT OF PUBLIC WORKS
Robert D. ... 4/11/95
Date
Charles M. ... 3-21-95
Date
... 4/11/95
Date

APPROVED:
DEPARTMENT OF PLANNING AND ZONING
Ann ... 4/13/95
Date

DEVELOPER'S/BUILDER'S CERTIFICATE
I/We certify that all development and/or construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance of a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the HSCD.
Mark ... 2-8-95
Signature of Developer/Builder Date

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 and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
CK ... 2-8-95
Signature of Engineer Date

LEGEND

- W---W---W --- LIMIT OF FLOODPLAIN
- --- LIMIT OF WETLANDS
- --- EXISTING CONTOUR
- --- PROPOSED CONTOUR
- --- DRAINAGE AREA DIVIDE
- ● ● ● ● LIMIT OF DISTURBANCE
- >--- EARTH DIKE (ED)

- S---S---S STRAW BALE/SILT FENCE
- S.C.E. --- STONE CONSTRUCTION ENTRANCE
- ■ --- STREAM BUFFER
- ▲ --- WETLANDS BUFFER
- --- EXISTING TREELINE
- --- PROPOSED TREELINE

DRAINAGE AREA DESIGNATION, SEE DRAINAGE AREA TABULATION CHART FOR CALCULATIONS

Drainage Area Table

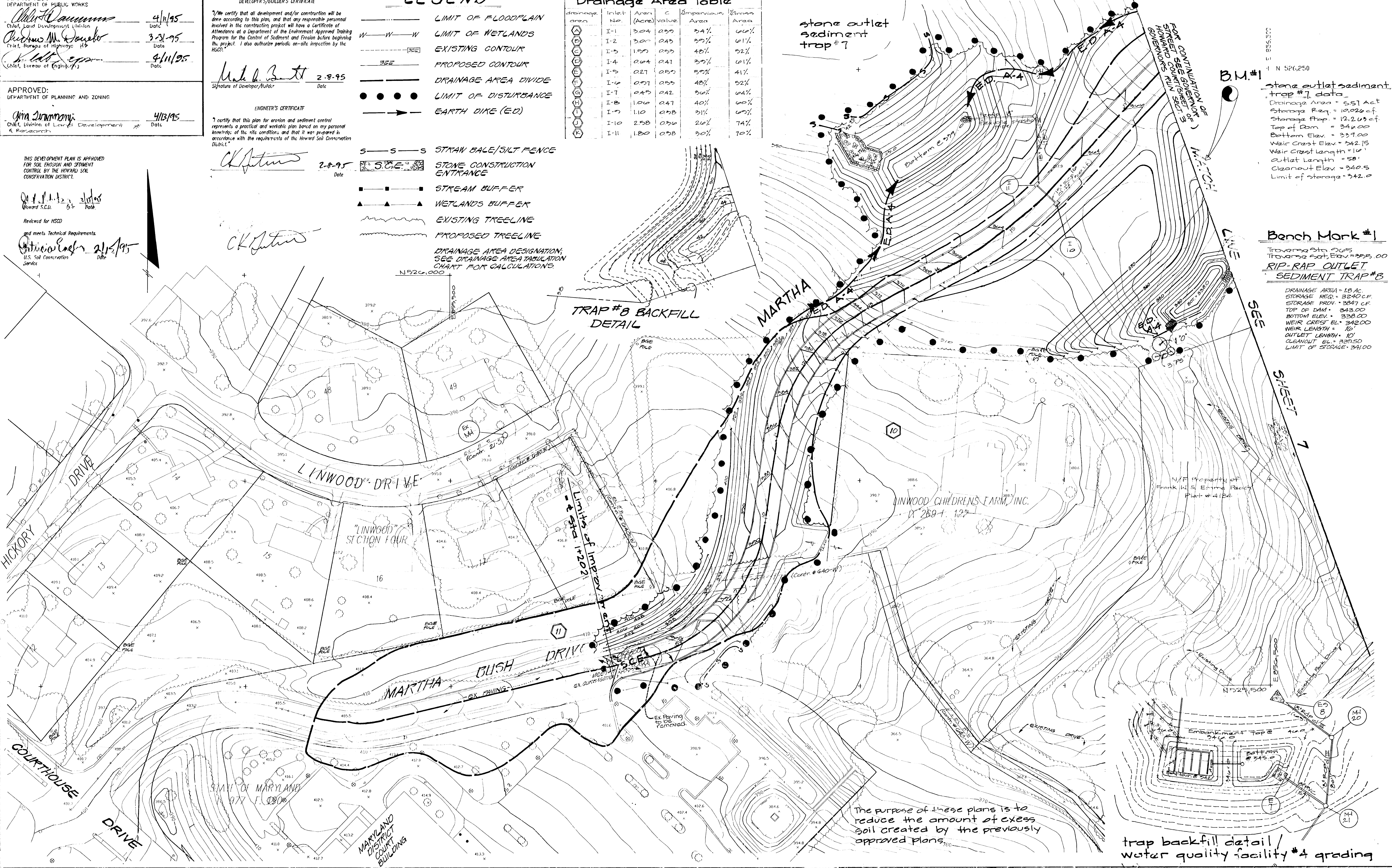
Drainage Area	Inlet No.	Area (Acre)	C Value	Impervious Area	% Area
I-1	1	3.04	0.95	24%	60%
I-2	2	1.50	0.95	40%	52%
I-4	4	0.64	0.41	20%	101%
I-5	5	0.27	0.57	50%	41%
I-6	6	0.97	0.55	40%	52%
I-7	7	0.45	0.42	20%	64%
I-8	8	1.06	0.47	40%	60%
I-9	9	1.10	0.58	21%	60%
I-10	10	2.58	0.50	20%	74%
I-11	11	1.80	0.58	20%	70%

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

... 6/4/95
Howard S.C.D. Date

Reviewed for HSCD and meets Technical Requirements.

... 2/12/95
U.S. Soil Conservation Service Date

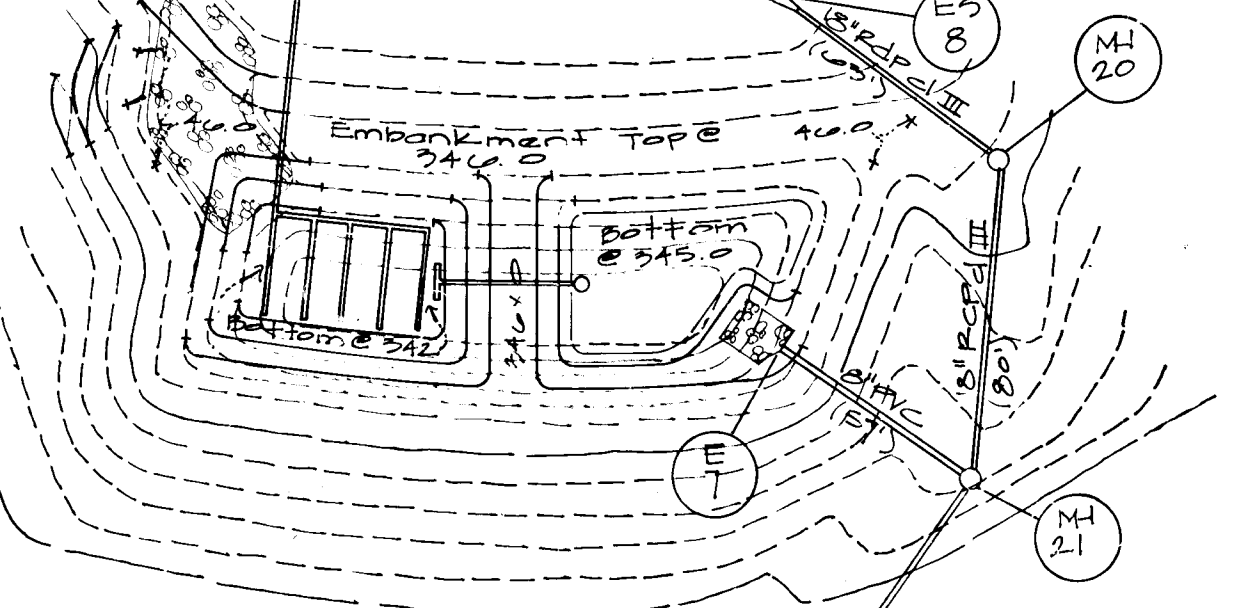


stone outlet sediment trap #7

B.M.#1
stone outlet sediment trap #7 data
Drainage Area = 2.51 Ac
Storage Req. = 10,026 cf
Top of Dam = 342.00
Bottom Elev. = 337.00
Weir Crest Elev. = 342.15
Weir Crest Length = 10'
Outlet Length = 50'
Cleanout Elev. = 340.5
Limit of storage = 342.0

Bench Mark #1
Traverse Sta 005
Traverse Stat. Elev. = 335.00
RIP-RAP OUTLET SEDIMENT TRAP #8
DRAINAGE AREA = 1.8 AC
STORAGE REQ. = 3040 CF
STORAGE PROV. = 3047 CF
TOP OF DAM = 343.00
BOTTOM ELEV. = 338.00
WEIR CREST EL. = 342.00
WEIR LENGTH = 10'
OUTLET LENGTH = 10'
CLEANOUT EL. = 339.50
LIMIT OF STORAGE = 341.00

TRAP #8 BACKFILL DETAIL



trap backfill detail / water quality facility #4 grading

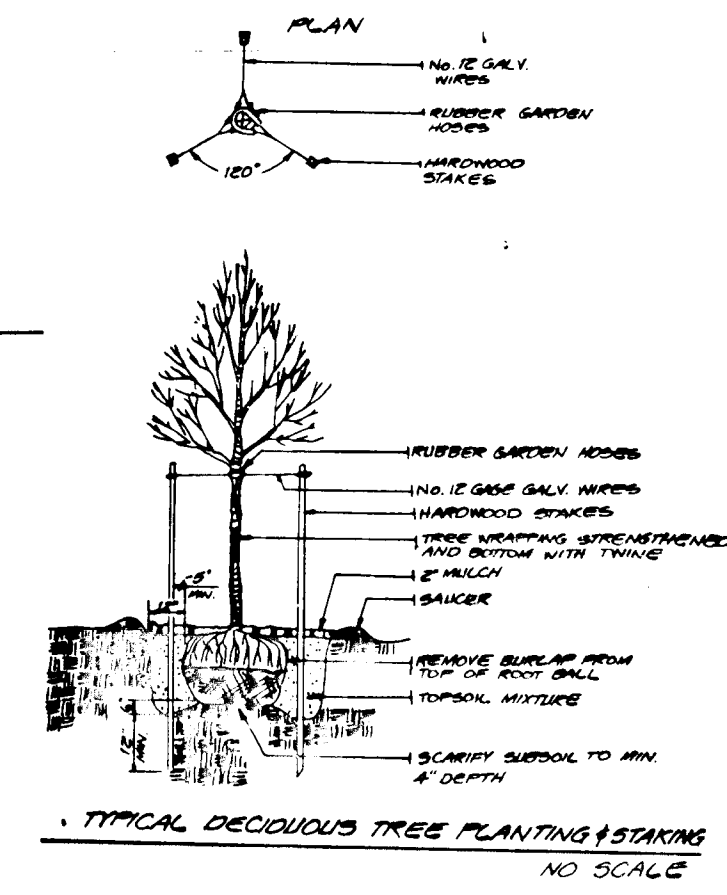
The purpose of these plans is to reduce the amount of excess soil created by the previously approved plans.

G.L.W. GUTSCHICK LITTLE & WEBER, P.A.
ENGINEERS, PLANNERS, SURVEYORS
3909 NATIONAL DR. E. - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MARYLAND 20866
TEL: (301) 421-4024 FAX: (301) 988-2524 FAX: (301) 421-4186 FAX: (301) 421-4186

Governors Run Communities, Inc.
c/o Greenbaum & Rose Associates, Inc.
Suite 410 Woodholme Center
1829 Reisterstown Road
Baltimore, Maryland 21228
(410) 484-8000

REVISED MASS GRADING PLAN
GOVERNORS RUN
SECTION 3, LOTS 131 THRU 135
liber 3284 folio 298
HOWARD COUNTY, MARYLAND

SCALE	20' = 1" (AS SHOWN)	DATE	1995
DATE	February 1995	TAX MAP No.	85
SHEET	6 of 13		



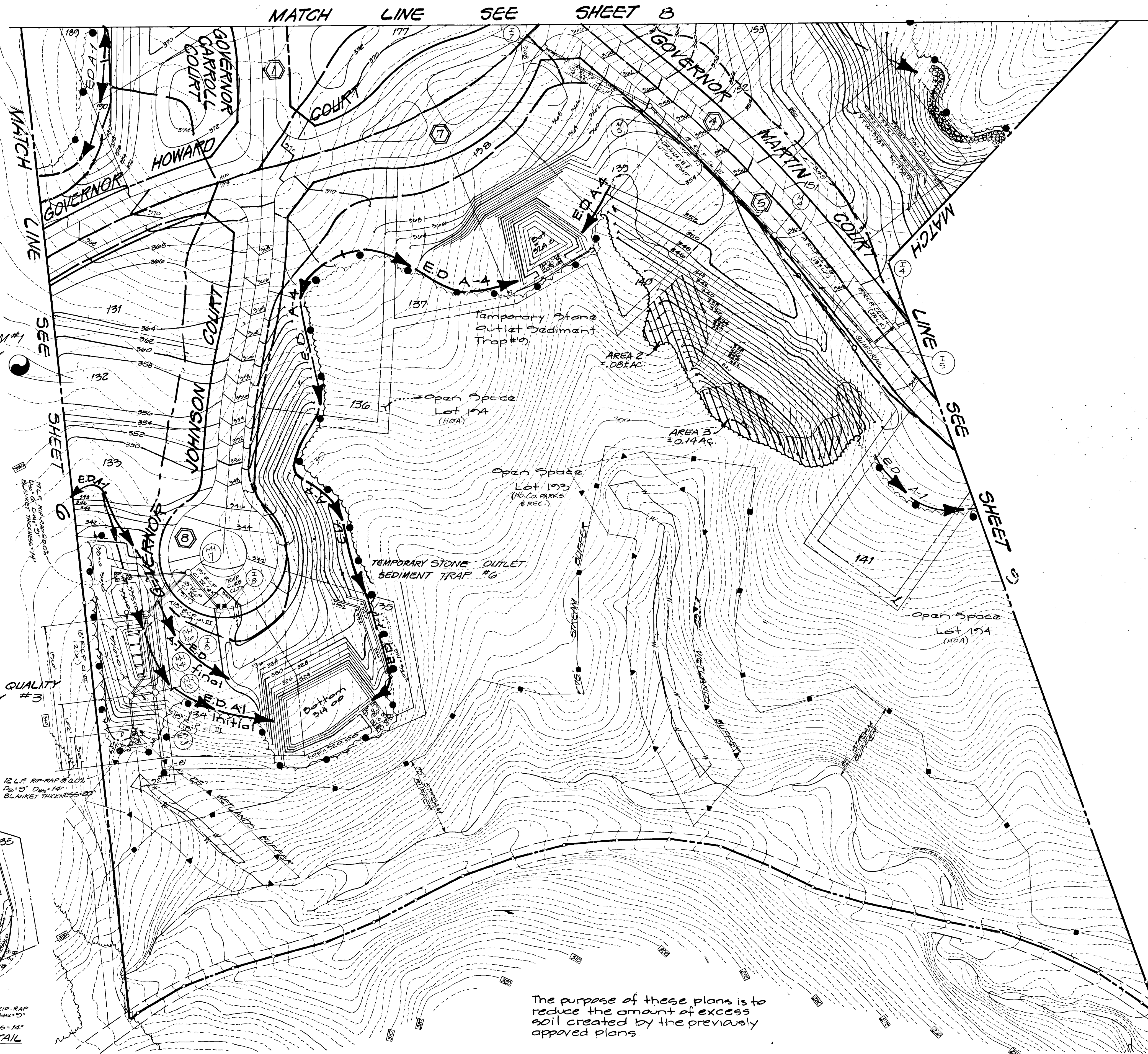
Approved
Department of Public Works
John F. Dammer 4/11/95
Chief, Land Development Div. DATE

Andrew M. Danek 3/31/95
Chief Bureau of Highways MS DATE

Paul J. Segan 4/11/95
Chief, Bureau of Engineering DATE

Approved
Department of Planning and Zoning
Gina Jaramana 4/17/95
CHIEF, LAND DEVELOPMENT AND RESEARCH DATE

- Legend**
- Limit of Floodplain
 - Limit of Wetlands
 - Existing Contour
 - Proposed Contour
 - Drainage Area Divide
 - Limit of Disturbance Earth Dike (E.D.)
 - Silt Fence
 - Stone Construction Entrance
 - Stream Buffer
 - Wetlands Buffer
 - Existing Treeline
 - Proposed Treeline
 - Drainage Area designation; See Drainage Area Tabulation Chart for calculations



CKP
BENCH MARK #1
TRAVERSE STA 295
TRAVERSE SET, ELEV. 355.00

These Plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
Q.L. Patton 2/15/95
Howard Soil Conservation District (S) Date

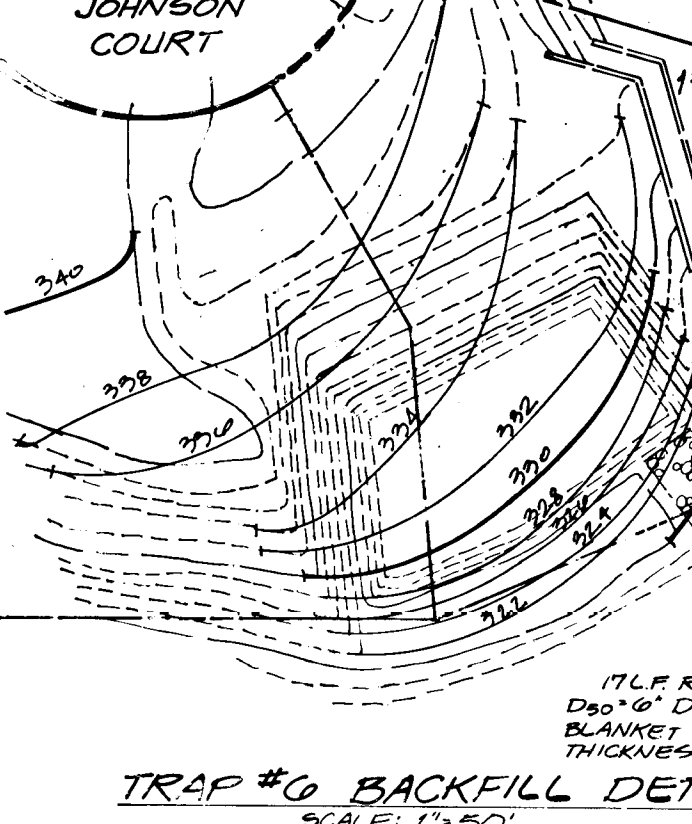
These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.
Patricia Lutz 2/15/95
U.S. Soil Conservation Service Date

ENGINEER'S CERTIFICATE
I certify that this plan for pond 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 Howard Soil Conservation District. I am a duly licensed Professional Engineer in the State of Maryland. I also authorize periodic on-site inspections by the Howard Soil Conservation District.
CKP 2-8-95
Date

DEVELOPER'S/BUILDER'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 Maryland Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I am a duly licensed Professional Engineer in the State of Maryland. I also authorize periodic on-site inspections by the Howard Soil Conservation District.
Maha Bennett 2-8-95
Signature of Developer/Builder Date

WATER QUALITY FACILITY #3

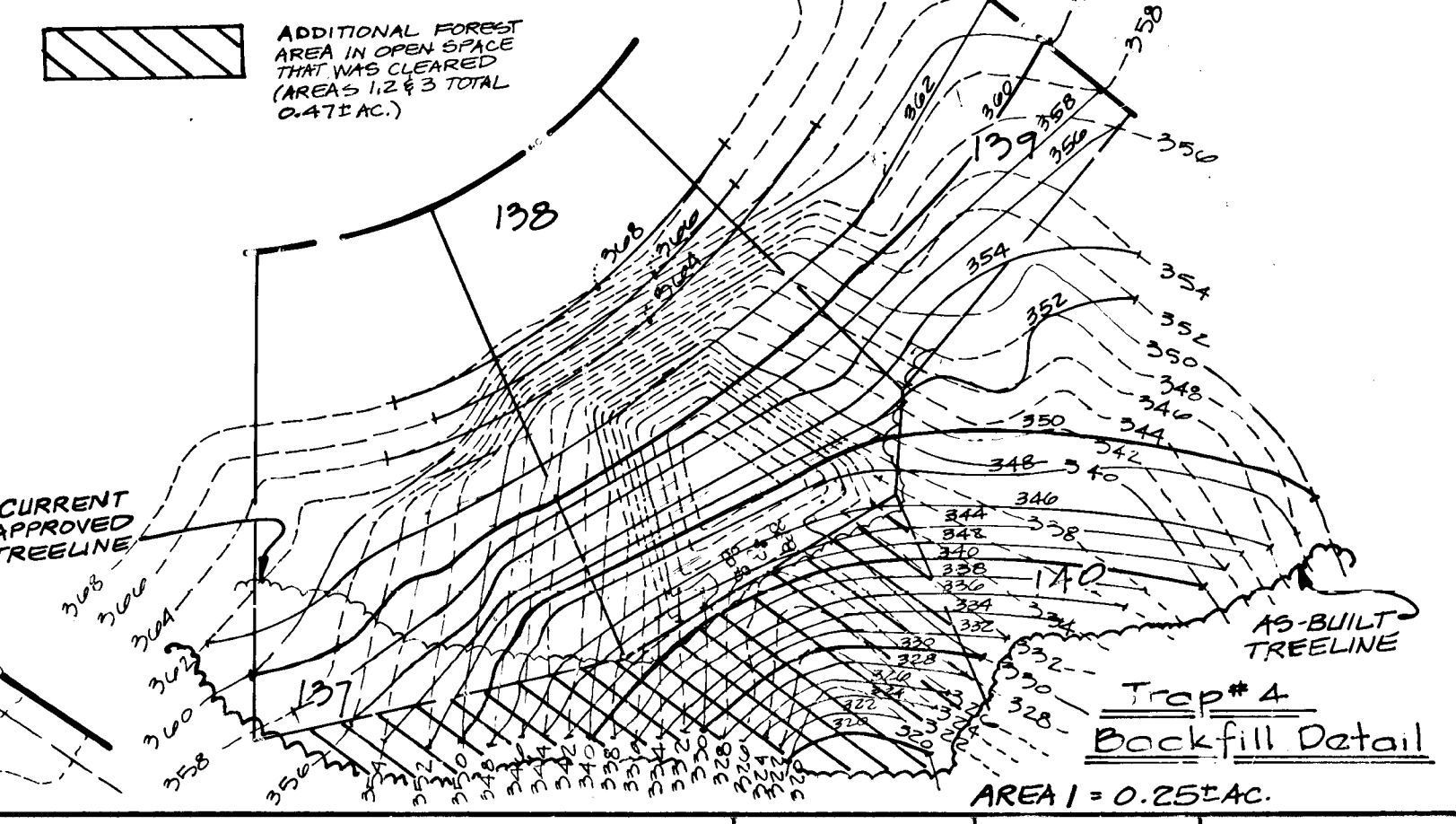
12 LF RIP RAP 24" DIA. 5" DIA. 14" BLANKET THICKNESS 14"



The purpose of these plans is to reduce the amount of excess soil created by the previously approved plans

STONE OUTLET SEDIMENT TRAP DATA

	TRAP #6	TRAP #9
DRAINAGE AREA	4.1 AC (EX)	1.0 AC
STORAGE REQUIRED	7,380 CU FT	2880 c.f.
STORAGE PROVIDED	11,013 CU FT	2420 c.f.
TOP OF DAM	316.00	320.0
BOTTOM ELEVATION	311.00	324.0
WEIR CREST ELEVATION	315.00	325.0
WEIR LENGTH	16.00'	20'
OUTLET LENGTH	18.00'	9'
CLEANOUT ELEVATION	312.50	325.4



GTW GUTSCHICK LITTLE & WEBER, P.A.
ENGINEERS, PLANNERS, SURVEYORS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MD. 20866
TELEPHONE (301) 421-4024

DES. DEV.	DRN. AK	CHK. DEV.	DATE	REVISION	BY	APP'R.
			11/19/2000	REVISE BACKFILL DETAIL - REMOVE RET. WALLS, REV. GRADING CO'S 137-140 & O.S. 193 TO REFLECT 40' R/W		
			02/19/95	REV. retaining walls & grading on lots 195 & 196, lots 151 & 152		

PREPARED FOR:
GOVERNORS RUN COMMUNITIES, INC.
90 GREENBAUM & ROSE ASSOC. INC.
SUITE 410 WOODHOLME CENTER
1820 RAYBROOK ROAD
BALTIMORE, MARYLAND 21208
(410) 484-8400

REVISED MASS GRADING PLAN
GOVERNORS RUN SECTION 3
1182-3284 4/10/95
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE	ZONING	G.L.W. FILE NO.
1"=50'	R-EO	9308A
DATE	TAX MAP NO.	SHEET
Feb. 1995	25	7 of 15

WATER QUALITY FACILITY #2

RIP-RAP OUTLET SEDIMENT TRAP DATA

	TRAP #1	TRAP #2	TRAP #3
DRAINAGE AREA	3.6 AC. (ex)	47 AC. (prop)	42 AC. (ex)
STORAGE REQUIRED	6,480 cu ft	8,460 cu ft	8,820 cu ft
STORAGE PROVIDED	8,025 cu ft	9,100 cu ft	10,500 cu ft
TOP OF DAM	308.00	308.00	306.00
BOTTOM ELEVATION	303.00	301.00	302.00
WEIR CREST ELEVATION	307.00	307.00	305.00
WEIR LENGTH	20'	15'	20'
OUTLET LENGTH	22'	13'	10'
CLEANOUT ELEVATION	304.50	303.50	303.0

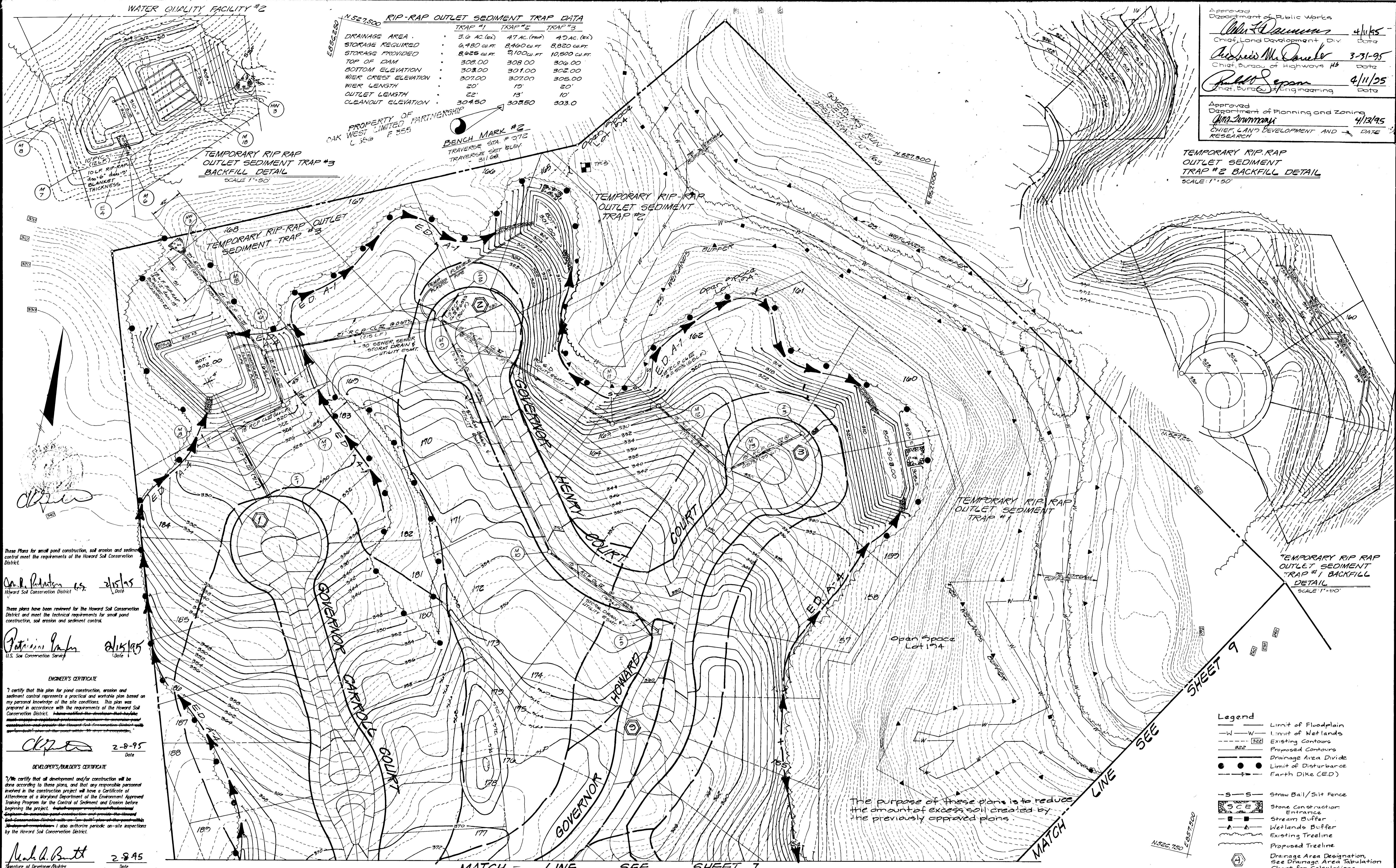
Approved
Department of Public Works
Chris Dawson 4/11/95
Chief, Land Development Div
Andrew M. Powell 3-31-95
Chief, Bureau of Highways #3
Robert S. Sporn 4/11/95
Chief, Bureau of Engineering

Approved
Department of Planning and Zoning
Anna Sammons 4/13/95
Chief, Land Development and Research

TEMPORARY RIP-RAP
OUTLET SEDIMENT
TRAP #3
BACKFILL DETAIL
SCALE 1"=50'

TEMPORARY RIP-RAP
OUTLET SEDIMENT
TRAP #2 BACKFILL DETAIL
SCALE 1"=50'

TEMPORARY RIP-RAP
OUTLET SEDIMENT
TRAP #1 BACKFILL
DETAIL
SCALE 1"=50'



These Plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

Chris Dawson 4/11/95
Howard Soil Conservation District

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

Robert S. Sporn 4/11/95
U.S. Soil Conservation Service

ENGINEER'S CERTIFICATE

I certify that this plan for pond 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 Howard Soil Conservation District.

Chris Dawson 2-8-95
Date

DEVELOPER'S/BUILDER'S CERTIFICATE

I/We 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 Maryland Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project.

Robert S. Sporn 2-8-95
Signature of Developer/Builder Date

The purpose of these plans is to reduce the amount of excess soil created by the previously approved plans.

- Legend**
- W — W — Limit of Floodplain
 - W — W — Limit of Wetlands
 - Existing Contours
 - Proposed Contours
 - Drainage Area Divide
 - ● ● Limit of Disturbance
 - Earth Dike (E.D.)
 - Straw Bale/Silt Fence
 - Stone Construction Entrance
 - Stream Buffer
 - Wetlands Buffer
 - Existing Treeline
 - Proposed Treeline
 - Drainage Area Designation, See Drainage Area Tabulation Chart for Calculations

GLW GUTSCHICK LITTLE & WEBER, P.A.
ENGINEERS, PLANNERS, SURVEYORS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MD 20866
TELEPHONE: (301) 421-4024

DATE	REVISION	BY	APPR.	
6/11/92	Remove retaining wall on lots 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000			

PREPARED FOR:
GOVERNORS RUN COMMUNITIES, INC.
% GREENBAUM & ROSE ASSOC., INC.
SUITE 410 WOODHOLME CENTER
1825 REISTERSTOWN ROAD
BALTIMORE, MARYLAND 21208
(410) 484-8400

REVISED MASS GRADING PLAN
GOVERNORS RUN
SECTION 3
11bar 3284 folio 378
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

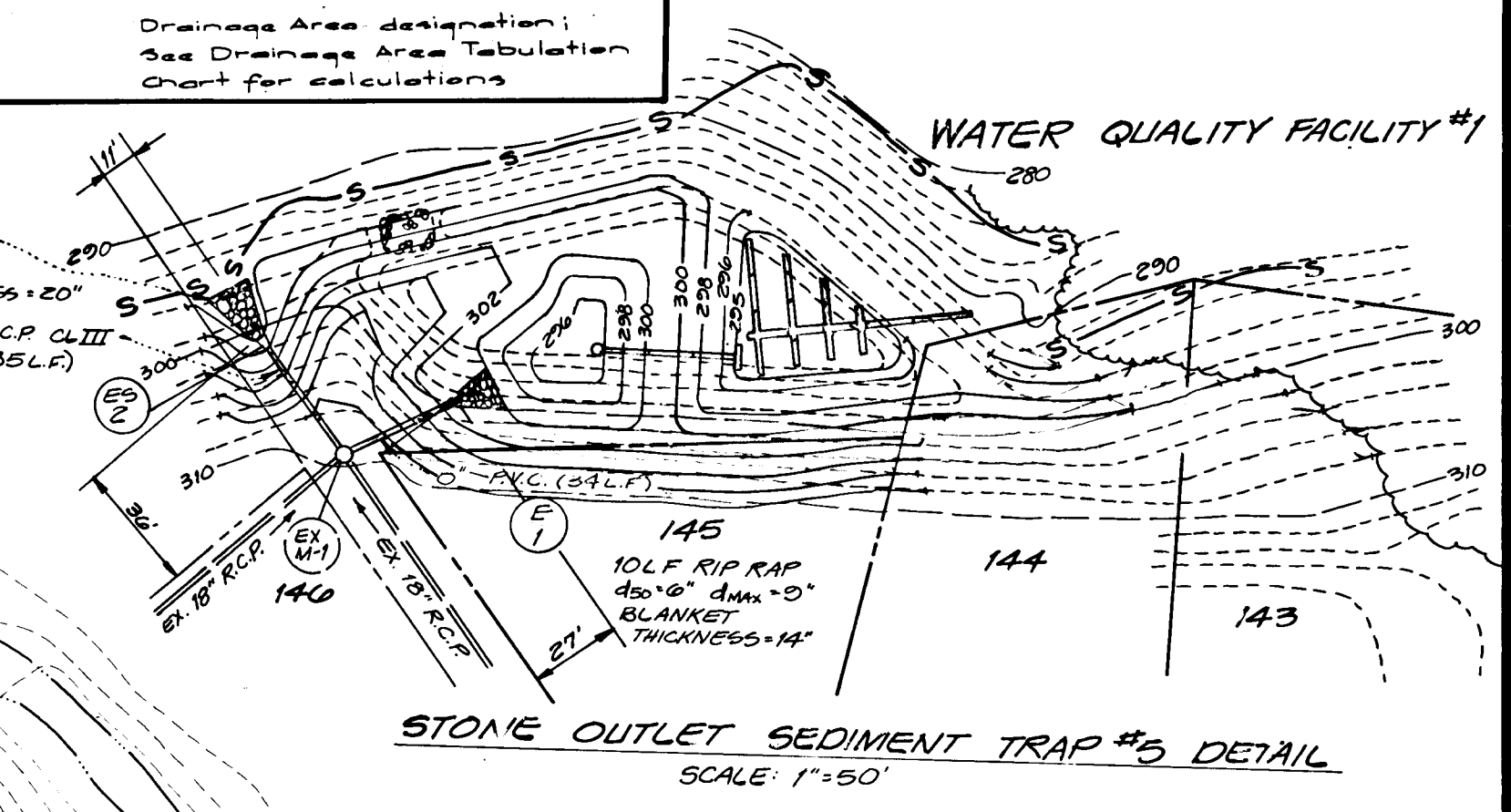
SCALE	ZONING	G.L.W. FILE NO.
1"=50'	R-ED	93084
DATE	TAX MAP NO.	SHEET
Feb., 1995	25	8 of 13

Legend

- Limit of Floodplain
- Limit of Wetlands
- Existing Contour
- Proposed Contour
- Drainage Area Divide
- Limit of Disturbance
- Earth Dike (E.D.)
- Silt Fence
- Stone Construction Entrance
- Stream Buffer
- Wetlands Buffer
- Existing Treeline
- Proposed Treeline
- Drainage Area designation: See Drainage Area Tabulation Chart for calculations

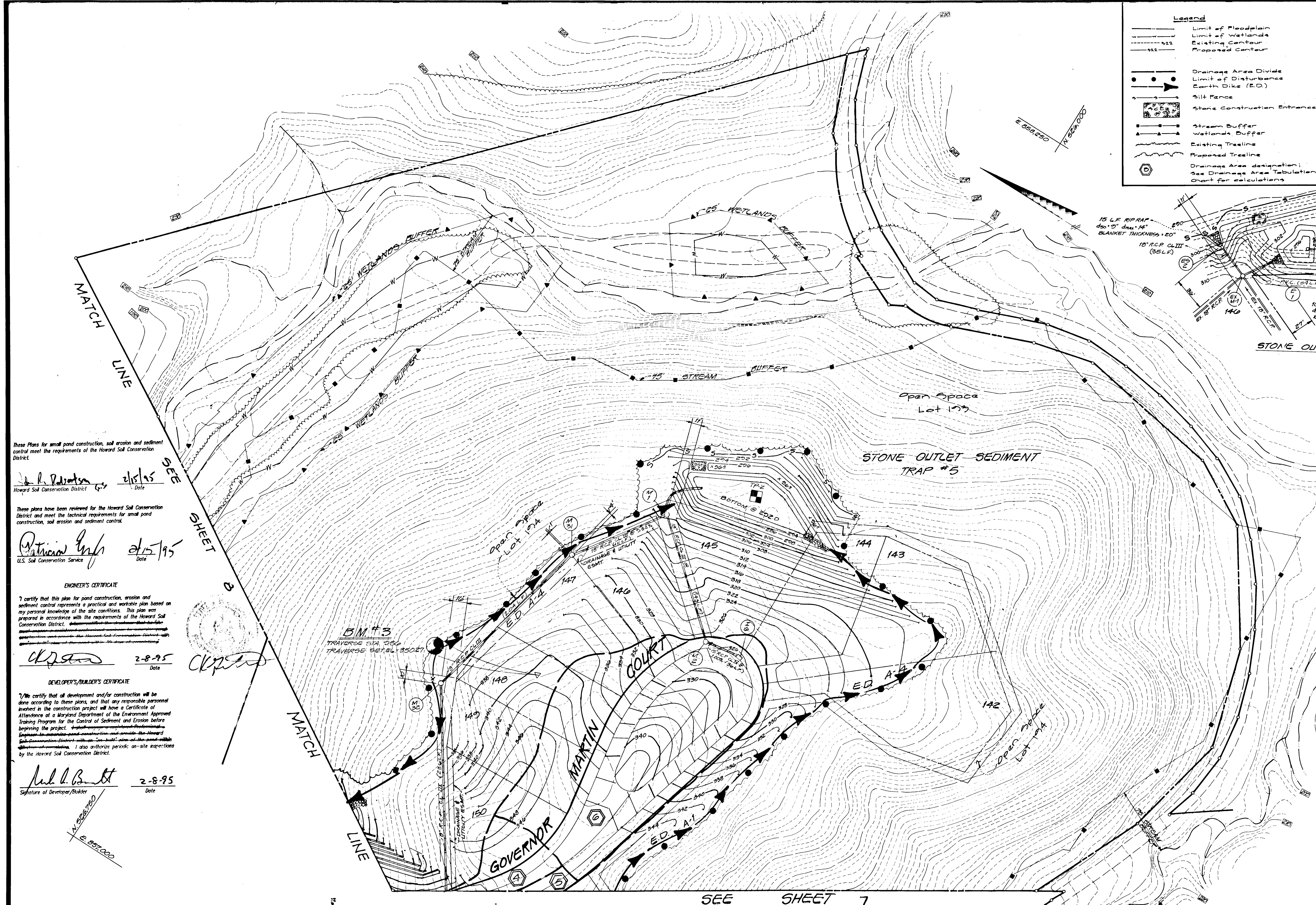
Approved
Department of Public Works
John F. Dammann 4/11/95
Chief, Land Development Div. DATE
Andrew M. Jewell 3-31-95
Chief, Bureau of Highways H3 DATE
Paul J. Sporn 4/11/95
Chief, Bureau of Engineering DATE

Approved
Department of Planning and Zoning
Gina Jammone 4/13/95
CHIEF, LAND DEVELOPMENT AND RESEARCH DATE



STONE OUTLET SEDIMENT TRAP DATA #5

DRAINAGE AREA	• 3.5 AC. (excl. pond)
STORAGE REQUIRED	• 6,300 cu. ft.
STORAGE PROVIDED	• 2,125 cu. ft.
TOP OF DAM	• 203.0
BOTTOM ELEVATION	• 202.0
WEIR CREST ELEVATION	• 205.0
WEIR LENGTH	• 16.0'
OUTLET LENGTH	• 11.0'
CLEANOUT ELEVATION	• 203.0



These Plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
John R. Robertson 2/15/95
Howard Soil Conservation District DATE

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.
Patricia Ingh 2/15/95
U.S. Soil Conservation Service DATE

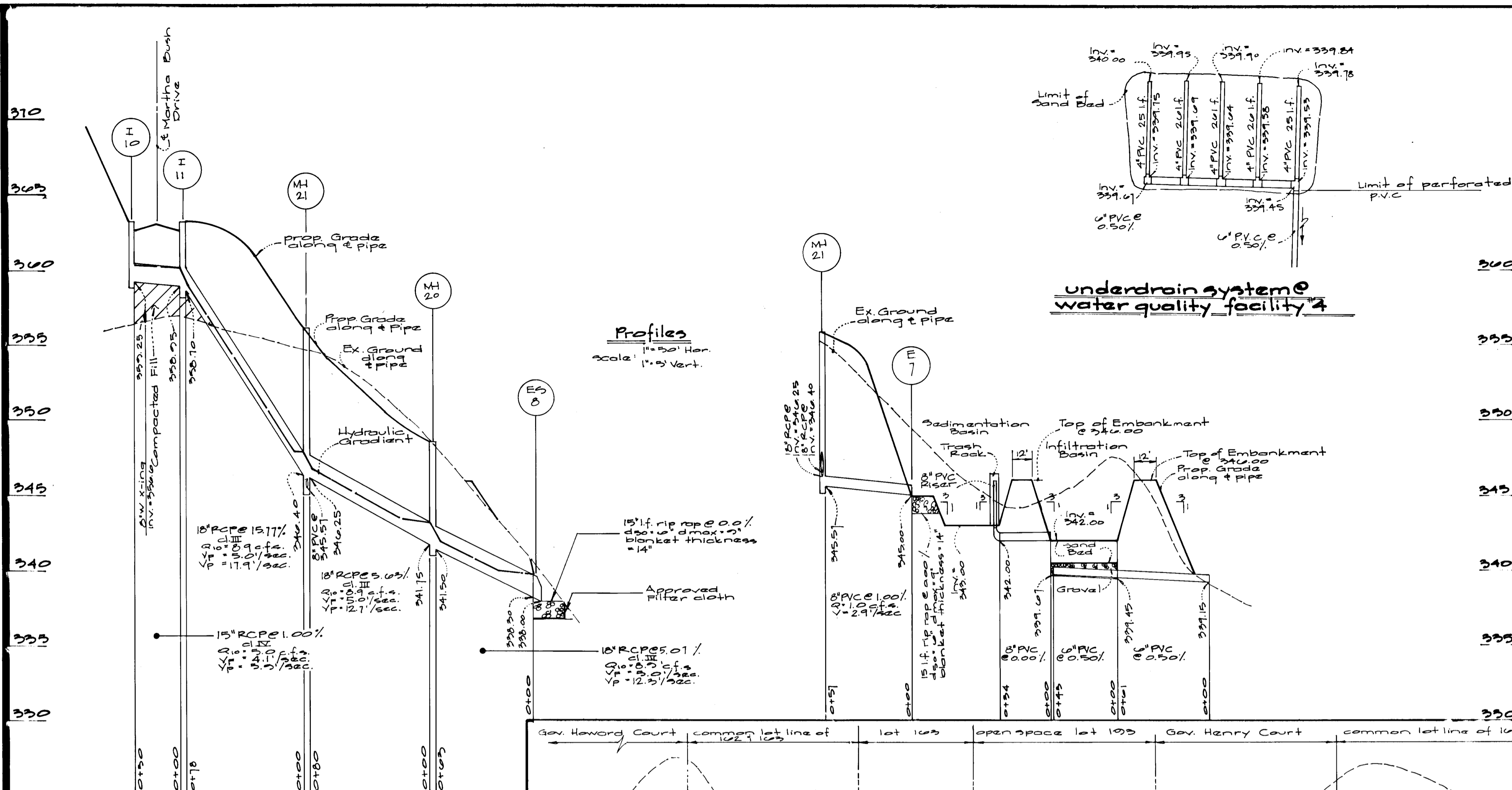
ENGINEER'S CERTIFICATE
I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District.
Clark 2-8-95
DATE

DEVELOPER'S/BUILDER'S CERTIFICATE
I/We 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 Maryland Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project.
Paul H. Buntt 2-8-95
Signature of Developer/Builder DATE

The purpose of these plans is to reduce the amount of excess soil created by the previously approved plans.

GLW GUTSCHICK LITTLE & WEBER, P.A. ENGINEERS, PLANNERS, SURVEYORS 3909 NATIONAL DRIVE · SUITE 250 · BURTONSVILLE OFFICE PARK · BURTONSVILLE, MD. 20866 TELEPHONE: (301) 421-4024	DES. DEV.	DRN. HK	CHK. DEV.	5/15/95	remove retaining wall & revise grading on Lots 144 & 145	MCE	BY	APP'R.	PREPARED FOR: GOVERNORS RUN COMMUNITIES, INC. % GREENBAUM & ROSE ASSOC., INC. SUITE 410 WOODHOLME CENTER 1020 REISTERSTOWN ROAD BALTIMORE, MARYLAND 21208 (410) 484-8400	REVISED MASS GRADING PLAN GOVERNORS RUN SECTION 3 libor 3284 folio 308 2ND ELECTION DISTRICT	SCALE 1"=50'	ZONING R-EO	G.L.W. FILE NO. 93084
	DATE	REVISION	BY	APP'R.	DATE	TAX MAP NO. 25	SHEET 7 of 13	HOWARD COUNTY, MARYLAND					

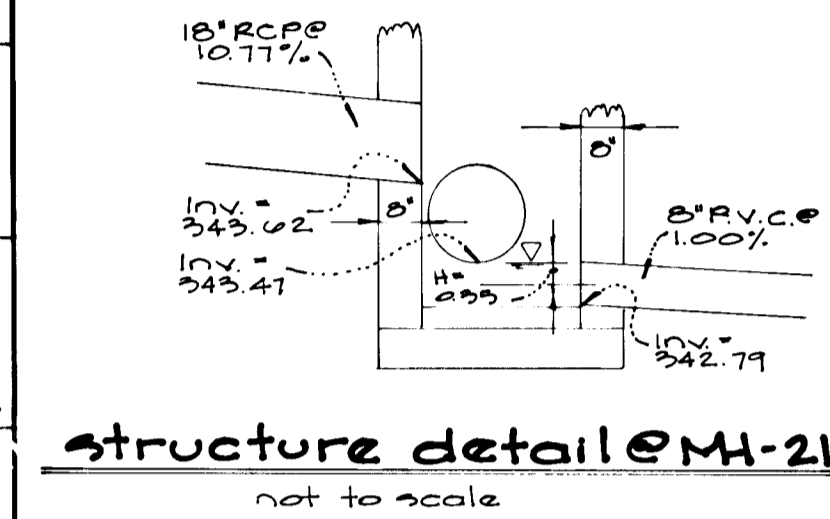
1588



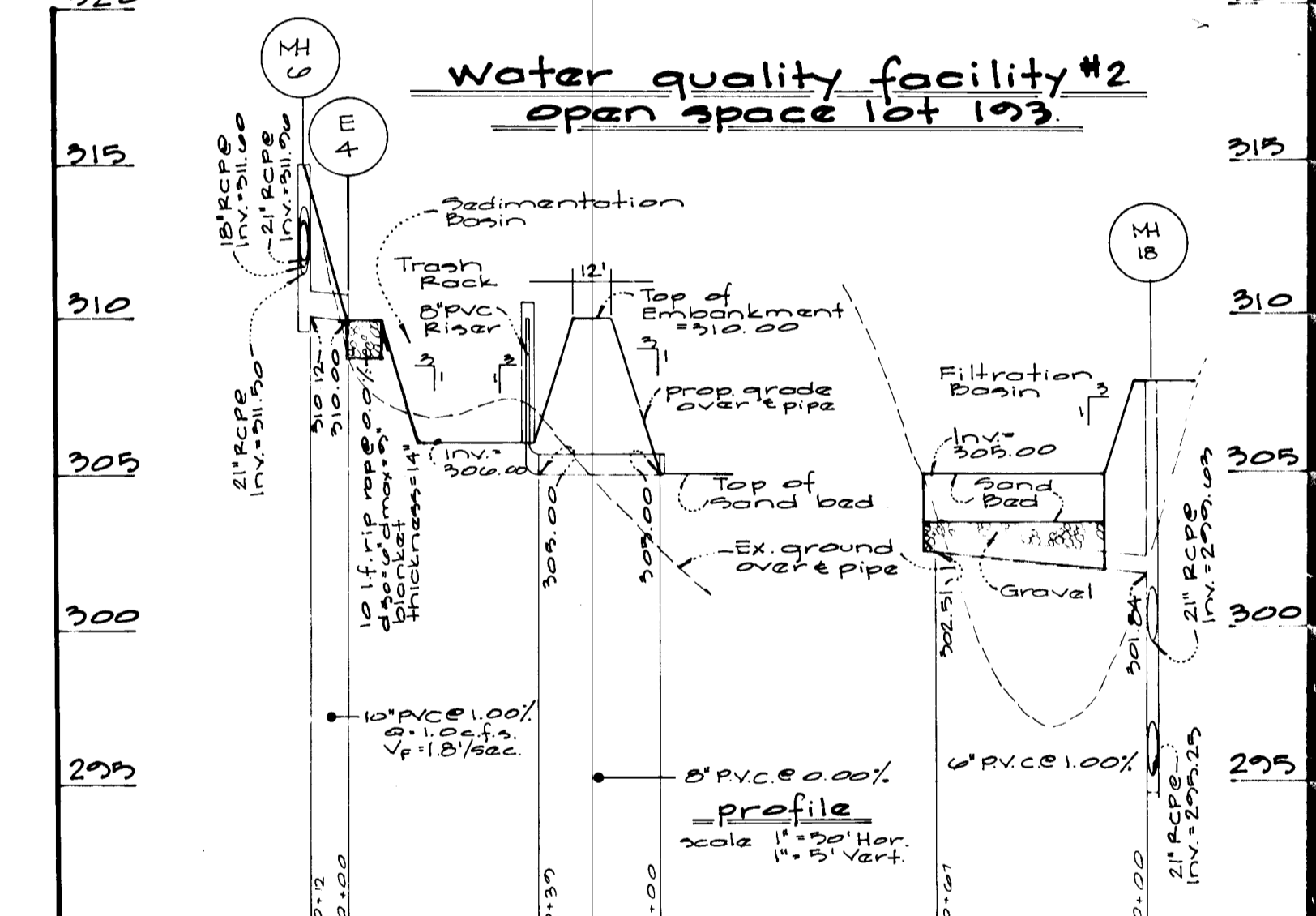
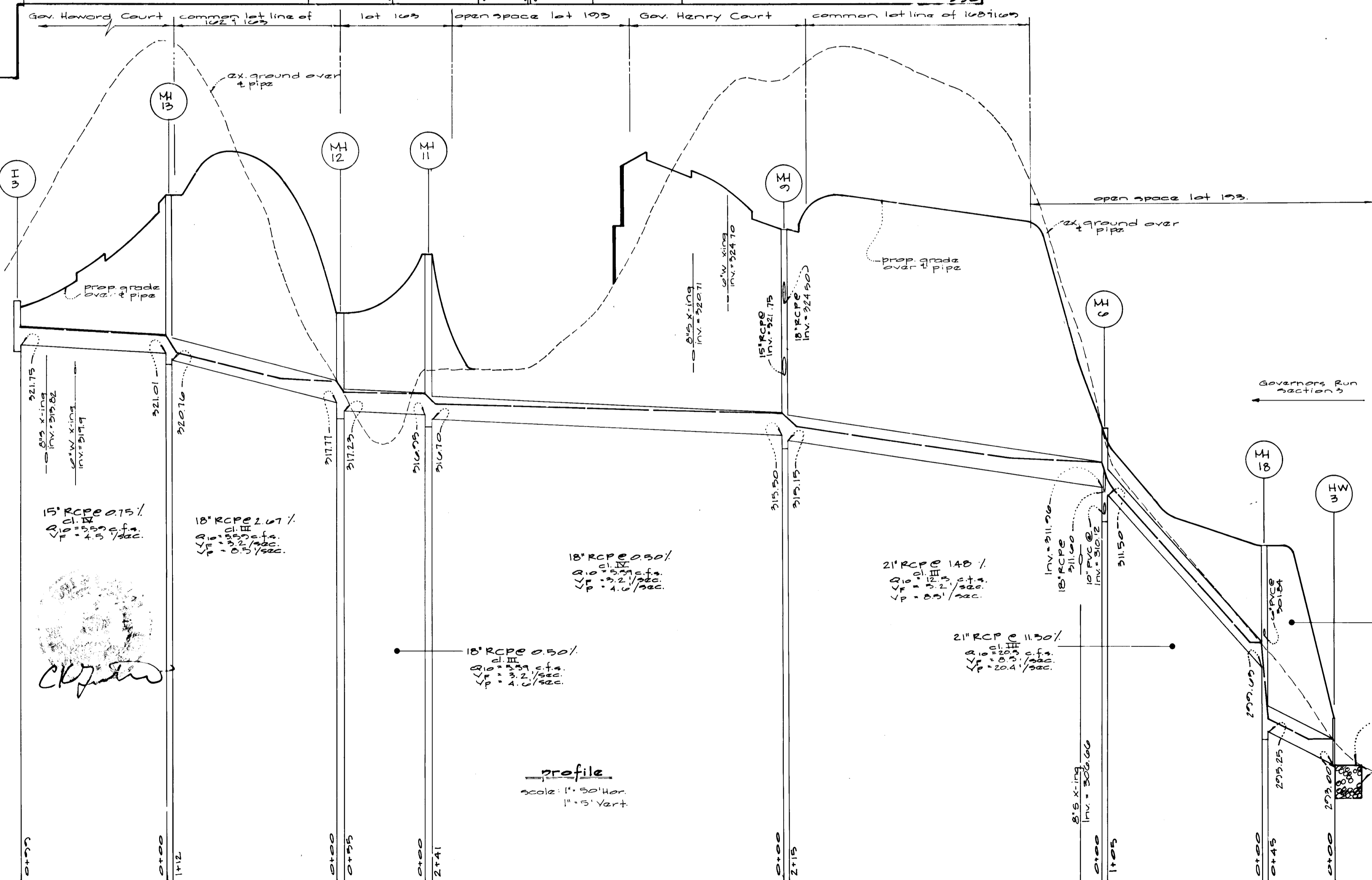
type/class	size	quantity (lf)	NR
R.C.P. cl III	15"	400	
R.C.P. cl IV	15"	208	I-1
R.C.P. cl III	18"	1715	I-2
R.C.P. cl IV	18"	578	I-3
R.C.P. cl III	21"	303	I-4
P.V.C. Sched. 40	4" (perforated)	540	I-5
P.V.C. Sched. 40	6" (perforated)	171	I-6
P.V.C. Sched. 40	8" (perforated)	15	I-7
P.V.C. Sched. 40	10"	0	I-8
P.V.C. Sched. 40	12"	119	I-9
P.V.C. Sched. 40	18"	272	I-10
P.V.C. Sched. 40	24"	12	I-11

structure schedule				standard detail		location		note: all offsets shown are radial or perpendicular to R.L.
type	dia. width	top elev.	inv. elev.	in	out			
MH-1	standard manhole	4'-0"	305.50	305.00	305.54	G. 5.01	see plan	
MH-2	shallow brick manhole		324.00	321.14	320.89	G. 5.05	see plan	4' from radius point
MH-4	standard manhole		346.90	339.25	339.00	G. 5.01	see plan	4' from radius point
MH-5	shallow brick manhole		320.00	312.00	311.70	G. 5.05	see plan	4' from radius point
MH-6	shallow brick manhole		316.00	311.90	310.12	G. 5.05	see plan	
MH-7	shallow brick manhole		311.50	312.05	311.95	G. 5.05	see plan	
MH-8	shallow brick manhole		316.80	312.61	312.30	G. 5.05	see plan	
MH-9	standard manhole		324.70	324.50	315.15	G. 5.01	see plan	4' from radius point
MH-10	shallow brick manhole		325.00	325.15	325.70	G. 5.05	see plan	4' from radius point
MH-11	standard manhole		328.00	316.95	316.70	G. 5.01	see plan	
MH-12	shallow brick manhole		324.00	317.77	317.23	G. 5.05	see plan	
MH-13	shallow brick manhole		332.00	321.01	320.76	G. 5.05	see plan	4' from radius point
MH-14	shallow brick manhole		325.00	321.95	321.60	G. 5.05	see plan	
MH-15	shallow brick manhole		325.00	320.81	320.42	G. 5.05	see plan	
MH-16	shallow brick manhole		341.10	335.00	335.75	G. 5.01	see plan	4' from radius point
MH-17	shallow brick manhole		340.00	339.63	339.75	G. 5.01	see plan	
MH-18	shallow brick manhole		347.00	341.15	341.50	G. 5.01	see plan	
MH-19	shallow brick manhole		351.00	346.40	346.25	G. 5.05	see plan	
MH-20	shallow brick manhole		320.00	319.60	319.55	G. 5.05	see plan	
MH-21	shallow brick manhole		322.40	323.70	323.40	G. 5.05	see plan	
ES-2	conc. end section		297.70	210.27	205.50	G. 5.51	see plan	
ES-3	conc. end section		324.40	322.90	322.00	G. 5.01	see plan	
ES-4	conc. end section		324.80	323.50	323.00	G. 5.01	see plan	
E-1	end of P.V.C. pipe	8"	300.00		300.00		see plan	
E-4	"	10"	310.83		310.00		"	
E-5	"	8"	325.00		325.00		"	
E-7	"	8"	345.00		345.00		"	
HW-3	type C' Headwall		299.25		299.00	G. 5.21	see plan	

**underdrain system
water quality facility #1**



structure detail @ MH-21
not to scale



detail @ MH-6
not to scale

The purpose of these plans is to reduce the amount of excess soil created by the previously approved Plans

DEVELOPER'S/BUILDER'S CERTIFICATE
 I/We certify that all development and/or 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 Maryland Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the HSCD.

Michael B. Burt
 Signature of Developer/Builder
 2-8-95
 Date

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 and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

CKJ
 Date
 2-8-95

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
 These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.

John K. Roberts *Chris* *Patricia Pugh*
 Howard S.C.D. Date U.S. Soil Conservation Service Date
 2/10/95

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John D. Cummings 4/11/95
 Chief, Development Div.
Richard M. Waverly 3-31-95
 Chief, Bureau of Highways
Richard M. Waverly 4/11/95
 Chief, Bureau of Engineering

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Anna Strimman 4/13/95
 Chief, Division of Land Development & Research

GLW GUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MD 20866
 TELEPHONE (301)421-4024 NO. VA. (301)989-2524 BALTO. (301)880-182C FAX (301)421-4186

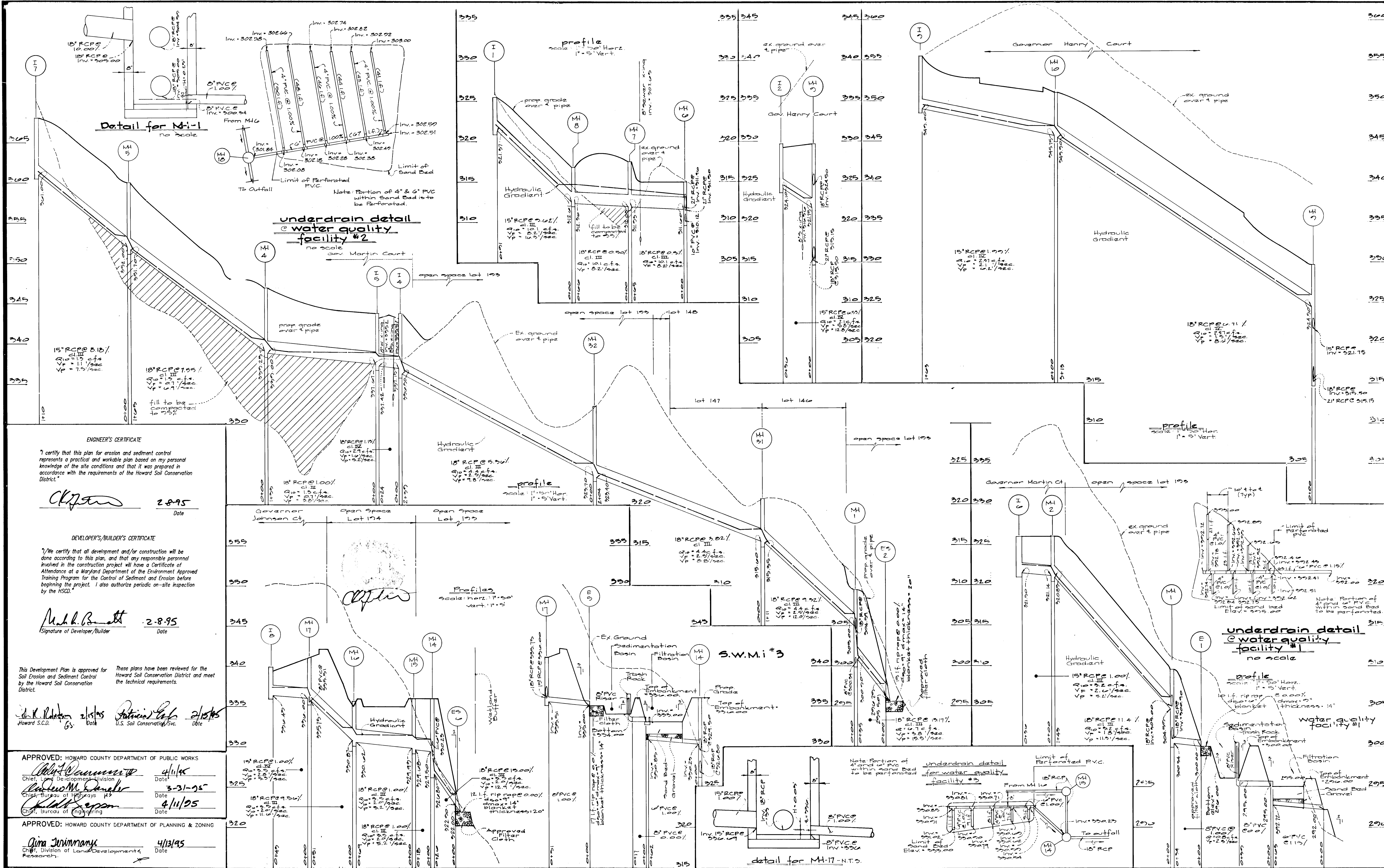
DATE	REVISION	BY	APP'R.

PREPARED FOR:
 Governors Run Communities, Inc.
 % Greenbaum & Rose Associates, Inc.
 Suite 410 Woodholme Center
 1829 Reisterstown Road
 Baltimore, Md 21208
 (410) 484-4800

Revised Storm Drain Profiles
Governors Run
 Section 3
 liber 3254 folio 398
 2nd Election District
 Howard County, Md

DES.:	SCALE:	ZONING:	G.L.W. FILE NO.:
dev/tml	As Shown	R-ED	95024
DRN.:	DATE:	TAX MAP NO.:	SHEET:
mef	Feb. 1995	25	10 of 13
CHK.:	DATE:	TAX MAP NO.:	SHEET:
ckg	Feb. 1995	25	10 of 13

GWSI



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 and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Clayton 2-8-95
 Date

DEVELOPER'S/BUILDER'S CERTIFICATE
 I/We certify that all development and/or 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 Maryland Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the HSCD.

Michael B. Pratt 2-8-95
 Signature of Developer/Builder Date

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
 These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.
John Walker 2/15/95 Date
 Howard S.C.D. Svc.
Patricia Loh 2/15/95 Date
 U.S. Soil Conservation Svc.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John A. Cameron 4/11/95 Date
 Chief, Land Development Division
Richard M. Kenealy 3-31-95 Date
 Chief, Bureau of Highways
Paul J. Sporn 4/11/95 Date
 Chief, Bureau of Engineering

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Aina Jermann 4/13/95 Date
 Chief, Division of Land Development & Research

GUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MD. 20866
 TELEPHONE: (301)421-4024 NO. VA. (301)989-2524 BALTO. (301)880-1820 FAX (301)421-4186

DATE	REVISION	BY	APP'R.

PREPARED FOR:
 Governors Run Community, Inc.
 1829 Reisterstown Road
 Baltimore, Md 21208
 (410) 484-4800

Revised Storm Drain Profiles
Governors Run
 Section 3
 Liber 2284 folio 398
 2nd Election District

DES.:	SCALE	ZONING	GL.W. FILE NO.
clw/tml	As Shown	R-ED	13084
DRN.:	DATE	TAX MAP NO.	SHEET
mcf	February 1995	25	11 of 13
CHK.:	DATE	TAX MAP NO.	SHEET
clw	February 1995	25	11 of 13

