

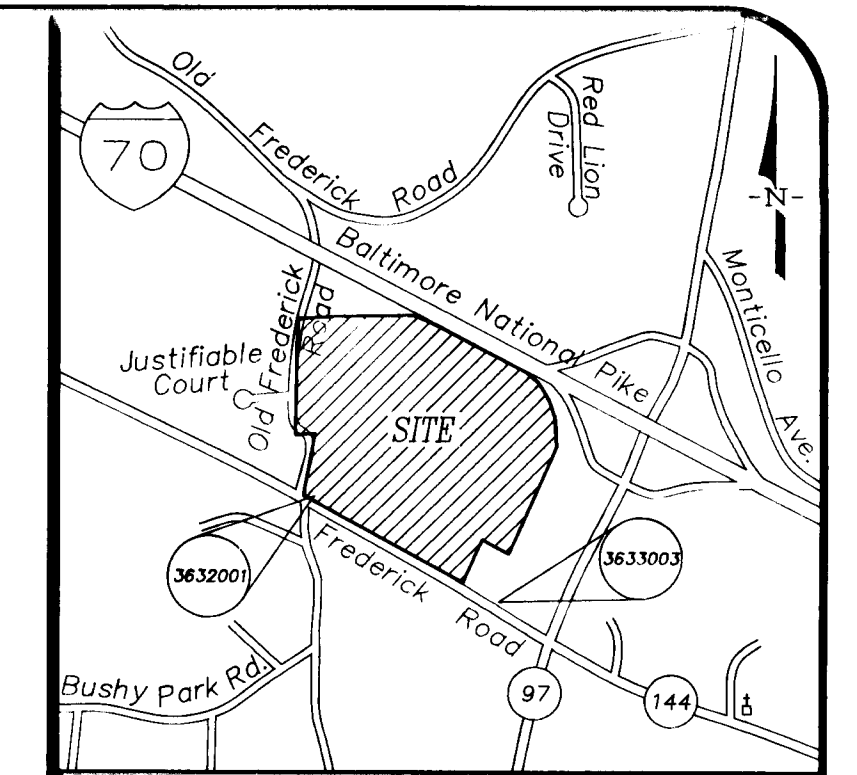
ROADS, STORM DRAIN & GRADING CARRIAGE MILL FARMS PHASE I ELECTION DISTRICT NO. 4 HOWARD COUNTY, MARYLAND

HOWARD COUNTY
BENCHMARK 3632001
ELEV = 646.321

LOCATED ALONG MARYLAND ROUTE 144
NE INTERSECTION OF OLD FREDERICK ROAD
MONUMENT IS 0.7' BELOW SURFACE

HOWARD COUNTY
BENCHMARK 3633003
ELEV = 617.440

LOCATED ALONG MARYLAND ROUTE 144
0.1 MILES WEST OF ROUTE 97
MONUMENT IS 9.7' OFF EDGE OF PAVING
0.9' BELOW SURFACE



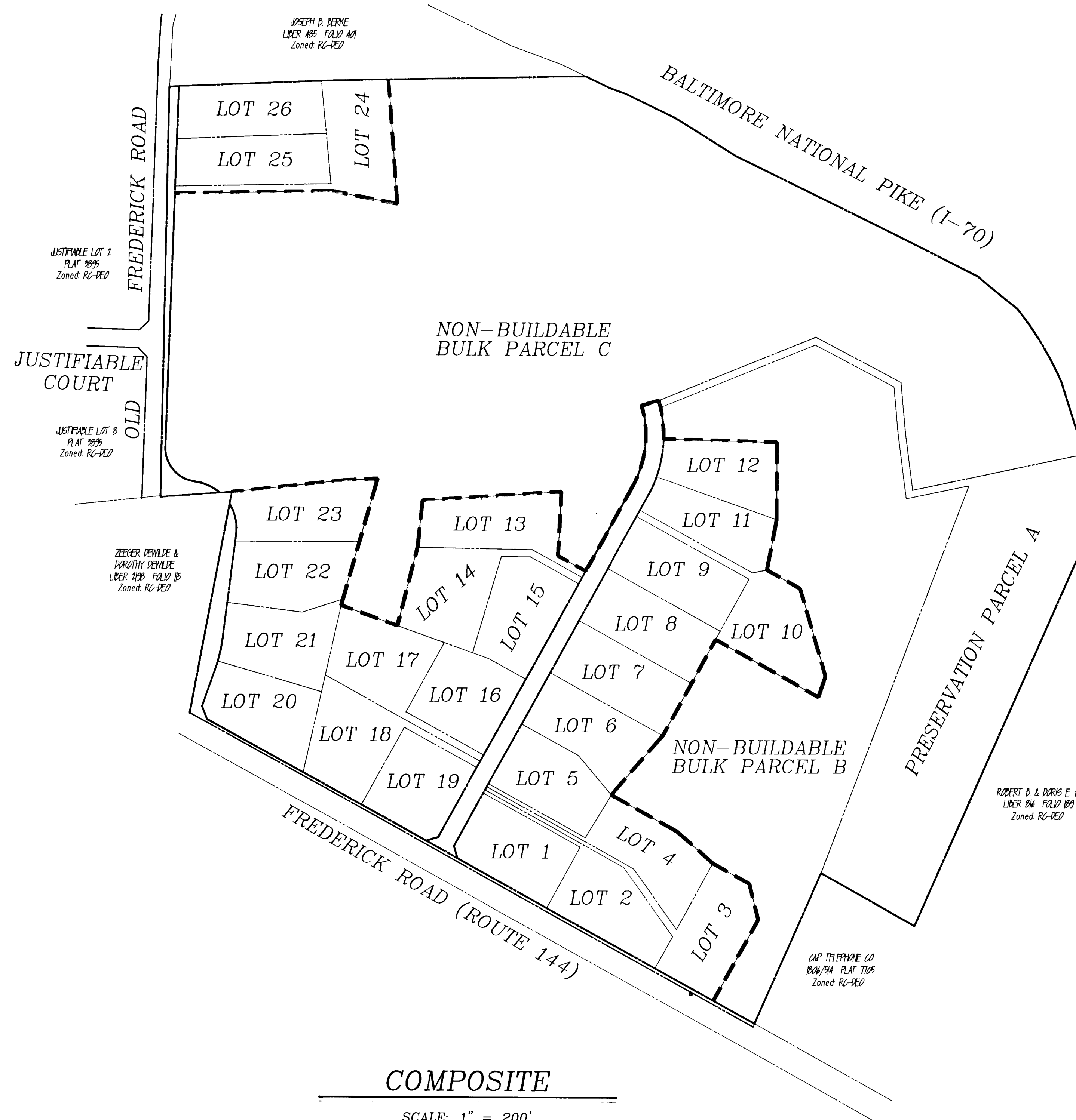
Vicinity Map
Scale: 1" = 2000'

GENERAL NOTES

1. DENSITY TABULATION:
 - TOTAL TRACT AREA = 112.98 Ac.
 - FLOODPLAIN = 3.05 Ac.
 - NET AREA = 109.93 Ac.
 - No. OF UNITS ALLOWED BY RC ZONING = 26 d.u.
 - 112.98 Ac. x 1 d.u./4.25 Ac. (gross) = 26 d.u.
 - No. OF UNITS ALLOWED ON RECEIVING PARCEL BY CLUSTER EXCHANGE OPTION = 56 d.u.
 - 112.98 Ac. x 1 d.u./2.0 Ac. (gross) = 56 d.u.
 - No. OF CLUSTER EXCHANGE OPTIONS TO BE TRANSFERRED FROM SENDING PARCEL = 25 CEO (PHASE II)
 - TOTAL No. OF UNITS PROPOSED = 26 (PHASE I)
 - PRESERVATION PARCEL PROVIDED = 9.36 Ac.
2. AREA TABULATION:
 - GROSS AREA OF TRACT = 112.98 Ac.
 - NET AREA OF TRACT = 109.93 Ac.
 - AREA OF PROPOSED LOTS/PARCELS (total) = 36.17 Ac.
 - AREA OF BUILDBLE LOTS = 36.17 Ac.
 - AREA OF PRESERVATION PARCEL = 9.36 Ac.
 - AREA OF NON-BUILDBLE BULK PARCELS = 64.31 Ac.
 - AREA OF R/W DEDICATION = 3.14 Ac.
 - FREDERICK ROAD (RT. 144) = 0.36 Ac.
 - OLD FREDERICK ROAD = 1.16 Ac.
 - CARRIAGE MILL DRIVE = 1.62 Ac.
3. LOT TABULATION:
 - No. OF PROPOSED LOTS/PARCELS = 29
 - No. OF BUILDBLE LOTS = 26
 - No. OF PRESERVATION PARCELS = 1
 - No. OF NON-BUILDBLE BULK PARCELS = 2
4. THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVER(S) HAVE BEEN APPROVED.
5. PROJECT BACKGROUND:
 - TAX MAP 8 PARCEL 158
 - ZONED: RC
 - ELECTION DISTRICT No. 4
 - TOTAL TRACT AREA = 112.98 Ac.
 - No. OF PROPOSED LOTS/PARCELS = 29 (26 BUILDBLE, 1 PRESERVATION, 2 NON-BUILDBLE BULK PARCELS)
6. TOPOGRAPHIC INFORMATION BASED ON A SURVEY DATED OCTOBER 1, 1978 PERFORMED BY LEON A. PODOLAK & ASSOCIATES.
7. COORDINATES BASED ON NAD '27 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY CONTROL STATIONS:

3632001	N543017.256	E791881.695
3633003	N541955.702	E793771.821
8. PUBLIC WATER AND SEWER SYSTEMS ARE NOT AVAILABLE. PROPOSED WATER AND SEWER SYSTEMS ARE TO BE PRIVATE.
9. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENTS. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY. PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AS SHOWN.
10. FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE IS TO BE PROVIDED AT THE JUNCTION OF THE FLAG OR PIPESTEM AND THE ROAD RIGHT-OF-WAY AND NOT ONTO THE FLAG OR PIPESTEM DRIVEWAY.
11. FOREST STAND DELINEATION AND FOREST CONSERVATION PLAN PREPARED BY LAND PLANNING AND DESIGN GROUP DATED JUNE, 1995.
12. TRAFFIC STUDY PREPARED BY LEE CUNNINGHAM & ASSOCIATES DATED JUNE, 1995
13. PREVIOUS COUNTY FILE NUMBERS: SP-95-12
14. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION.

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GRADING & SEDIMENT CONTROL PLAN	4
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STORM DRAIN PROFILES	9
SEDIMENT CONTROL NOTES & DETAILS	10
LANDSCAPE PLAN	11



COMPOSITE

SCALE: 1" = 200'

APPROVED:
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Robert M. Danolo 2-21-96
CHIEF, BUREAU OF HIGHWAYS HS DATE

APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Anna Summery 2/27/96
CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH DATE

Robert M. Danolo 2/27/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

OWNER
MR. JOSEPH B. HERKE, et. al.
414 Timbercove Circle
Longwood, FL 32779
(407)869-6717

DEVELOPER
OAK HILL PROPERTIES, L.L.C.
22560 Glenn Drive, Suite 114
Sterling, Virginia 20164
(703)406-2708
ATTN: Mr. Ralph Bice, III

ENGINEER
R.M. MOCHI GROUP, P.C.
3300 North Ridge Road, Suite 235
Ellicott City, Maryland 21043
(410)461-0079
ATTN: Mr. Robert Mochi, P.E.



CARRIAGE MILL FARMS

TAX MAP 8 PARCEL 158
HOWARD COUNTY, MARYLAND
SCALE: 1" = 200' NOVEMBER 09, 1995
4th ELECTION DISTRICT

Project	11/08/95
date	
Illustration	95005.13
engineering	
scale	1" = 200'
approval	
LAG/PFB	

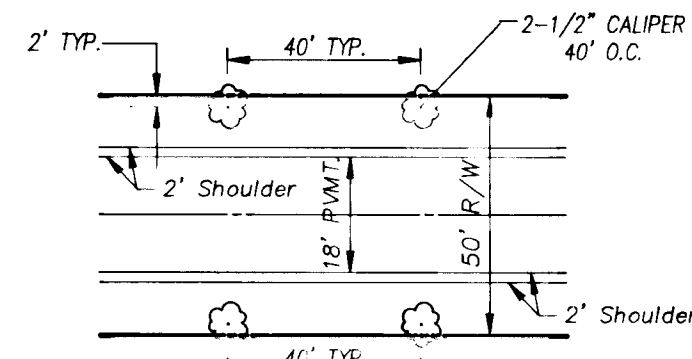
Project	1/09/96
date	
description	REVISED PER DC, P&Z AND SDP COMMENTS
revision	1
no.	1
no.	1

PHASE I
CARRIAGE MILL FARMS
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 4
COVER SHEET

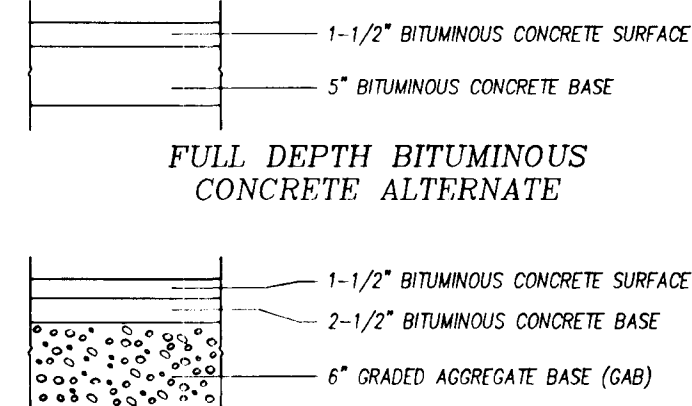
R.M. MOCHI GROUP, P.C.
3300 N. Ridge Road, Suite 235
Ellicott City, MD 21043-3305
(410) 461-0079
Fax: (410) 750-6340

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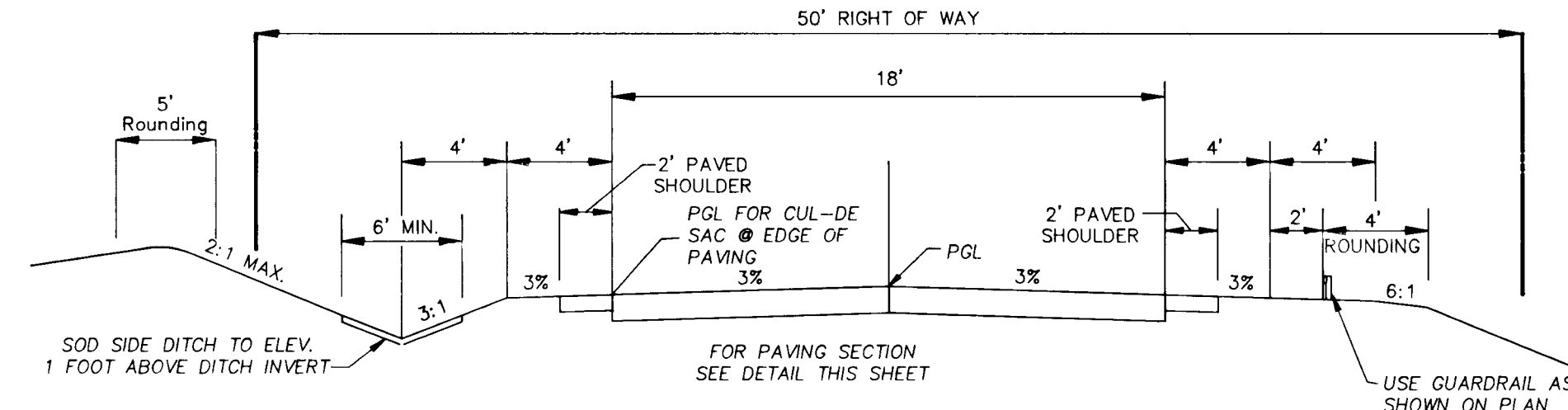
FREDERICK ROAD
(MD ROUTE 144)



TREE PLANTING DETAIL
MEDIUM TREES - 2-1/2" CALIPER OR LARGER
NOT TO SCALE
* NOTE: STREET TREES SHOWN ON LANDSCAPE PLAN (SHEET II OF II)



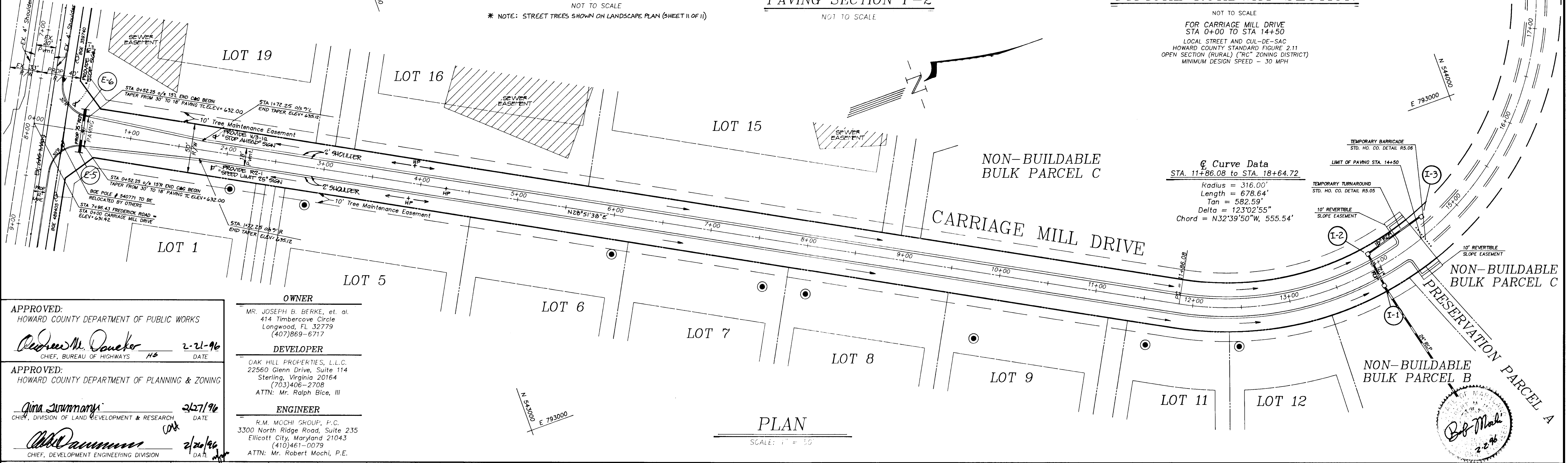
PAVING SECTION P-2
NOT TO SCALE



TYPICAL ROADWAY SECTION
NOT TO SCALE

FOR CARRIAGE MILL DRIVE
STA 0+00 TO STA 14+50
LOCAL STREET AND CUL-DE-SAC
HOWARD COUNTY STANDARD FIGURE 2.11
OPEN SECTION (RURAL) ("RC" ZONING DISTRICT)
MINIMUM DESIGN SPEED - 30 MPH

Curve Data
STA. 11+86.08 to STA. 18+64.72
Radius = 316.00'
Length = 678.64'
Tan = 582.59"
Delta = 123°02'55"
Chord = N32°39'50"W, 555.54'



APPROVED:
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Andrew M. Dauter 2-21-96
CHIEF, BUREAU OF HIGHWAYS HS DATE

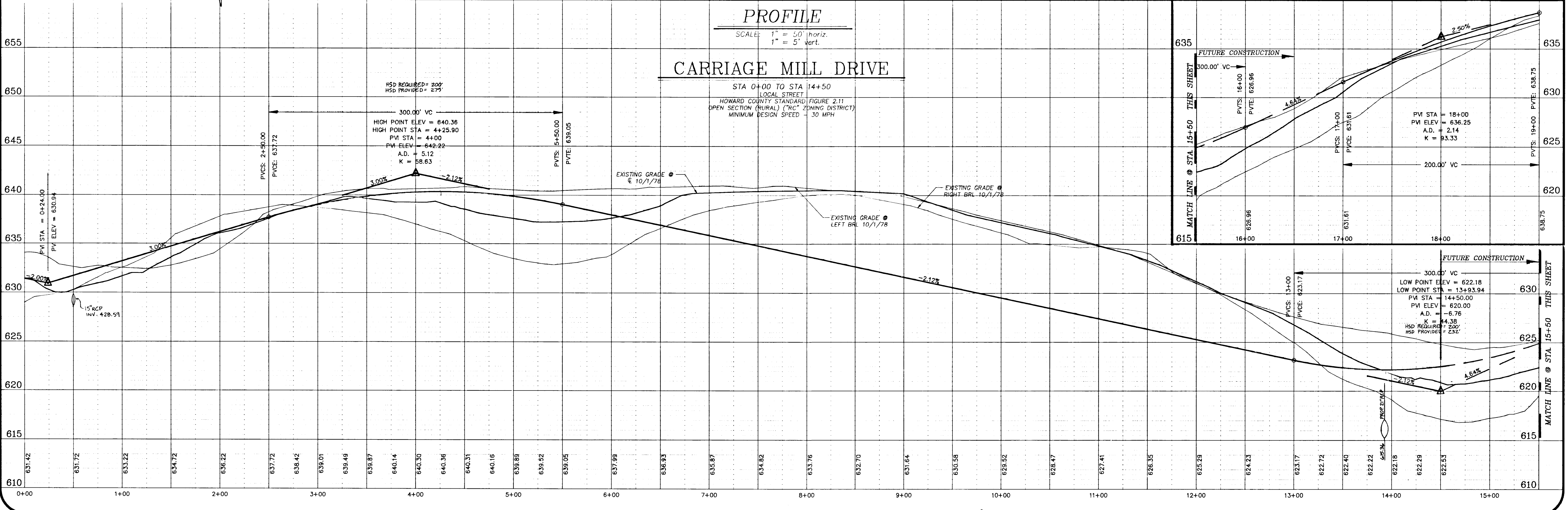
APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Gina Summery 2/27/96
CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH DATE

APPROVED:
Bob Mochi 2/20/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

OWNER
MR. JOSEPH B. BERKE, et. al.
414 Timbercove Circle
Longwood, FL 32779
(407)869-6717

DEVELOPER
OAK HILL PROPERTIES, L.L.C.
22560 Glenn Drive, Suite 114
Sterling, Virginia 20164
(703)408-2708
ATTN: Mr. Ralph Bice, III

ENGINEER
R.M. MOCHI GROUP, P.C.
3300 North Ridge Road, Suite 235
Ellicott City, Maryland 21043
(410)461-0079
ATTN: Mr. Robert Mochi, P.E.



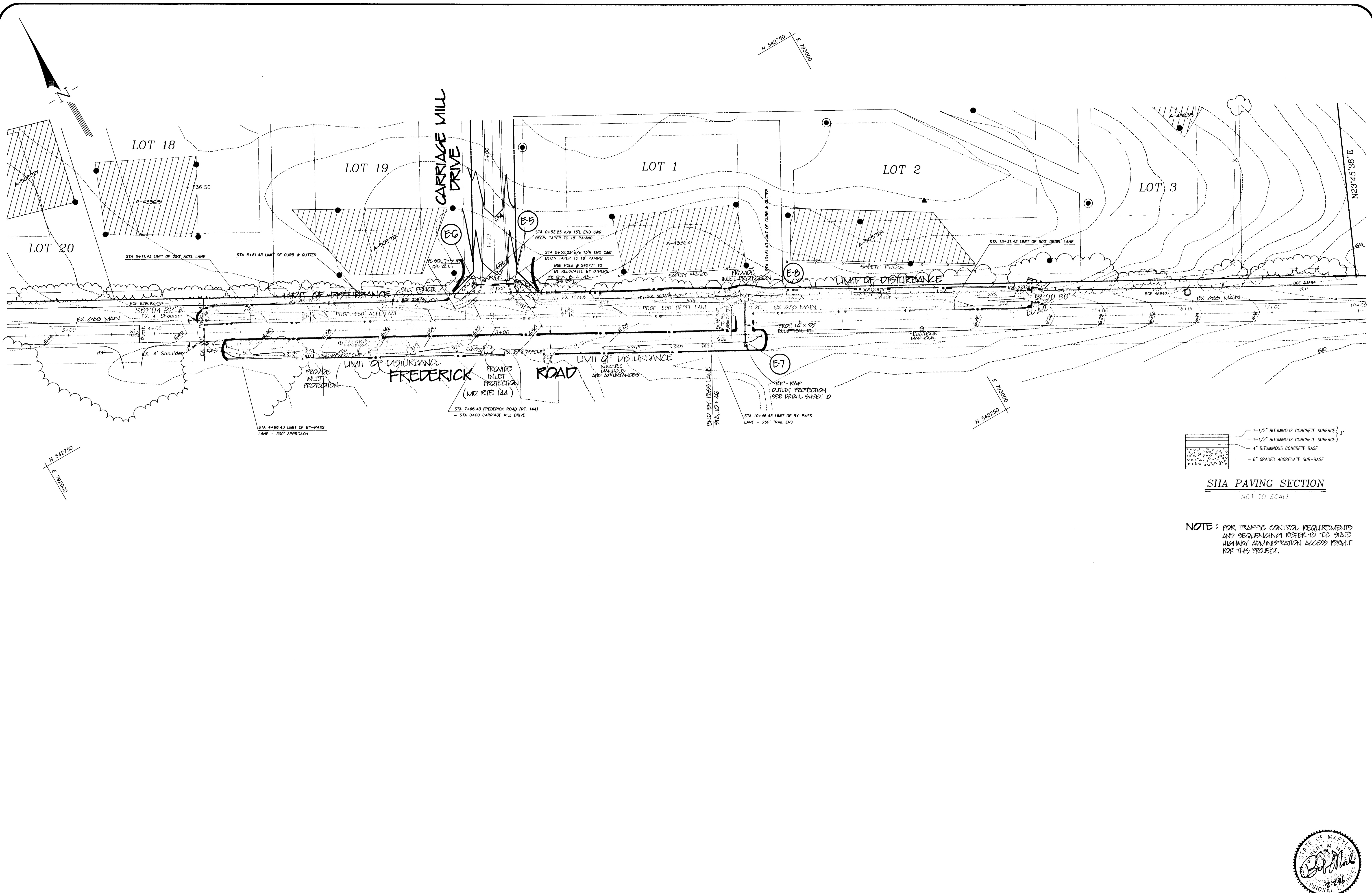
1788

Project	Date	By	Check
95005-13	10/31/95	engineering	
illustration		LJC/PFB	
scale		approval	
as shown		RAM	

Project	Date	By	Check
95005-13	2/20/96	engineering	
illustration		LJC/PFB	
scale		approval	
as shown		RAM	

PHASE I
CARRIAGE MILL FARMS
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
CARRIAGE MILL DRIVE PLAN & PROFILE (0+00 TO 14+50)

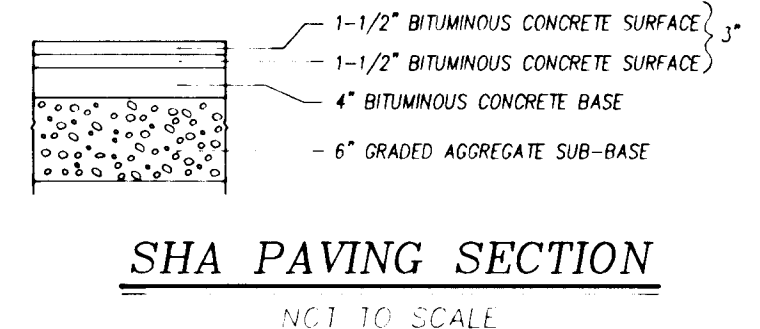
R.M. MOCHI GROUP, P.C.
3300 N. Ridge Road, Suite 235
Ellicott City, MD 21043-2655
(410) 461-0079
Fax: (410) 759-8240



Project	date	11/1/95
95005.13	engineering	
Illustration	LIC/BLP	LIC/PFB
	scale	approval
	1" = 50'	

1	1/25/96	REVIEWED PER DEC. 1995 AND 9/97 COMMENTS
2	1/10/96	REMOVED TO ADD CARRIAGE MILL MAIN/SHR.
3		SUBMITTED TO DPZ & SHA
4		
5		
6		
7		
8		
9		
10		

PHASE I
CARRIAGE MILL FARMS
 HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT No. 4
MARYLAND ROUTE 144 ROAD IMPROVEMENT PLAN



NOTE: FOR TRAFFIC CONTROL REQUIREMENTS AND SEQUENCING REFER TO THE STATE HIGHWAY ADMINISTRATION ACCESS PERMIT FOR THIS PROJECT.



B.M. MOCHI GROUP, P.C.
 3300 N. Ridge Road, Suite 235
 Ellicott City, MD 21043-3350
 Tel: (410) 461-0079
 Fax: (410) 591-6340

1788

APPROVED:
 HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Gina Summons, 2/27/96
 CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH
 Date

APPROVED:
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Andrew M. Donato, 2-21-96
 CHIEF, BUREAU OF HIGHWAYS
 Date

APPROVED: THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT
 Robert W. Zebner, 2/14/96
 CHIEF, SOIL CONSERVATION SERVICE
 Date

APPROVED: 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 Elf, 2/14/96
 CHIEF, SOIL CONSERVATION SERVICE
 Date

DEVELOPER'S CERTIFICATE
 I/We certify that all development and construction will be done according to these plans, 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 shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District.
 Signature of Developer - Ralph Rice, III
 Date: 2/11/96

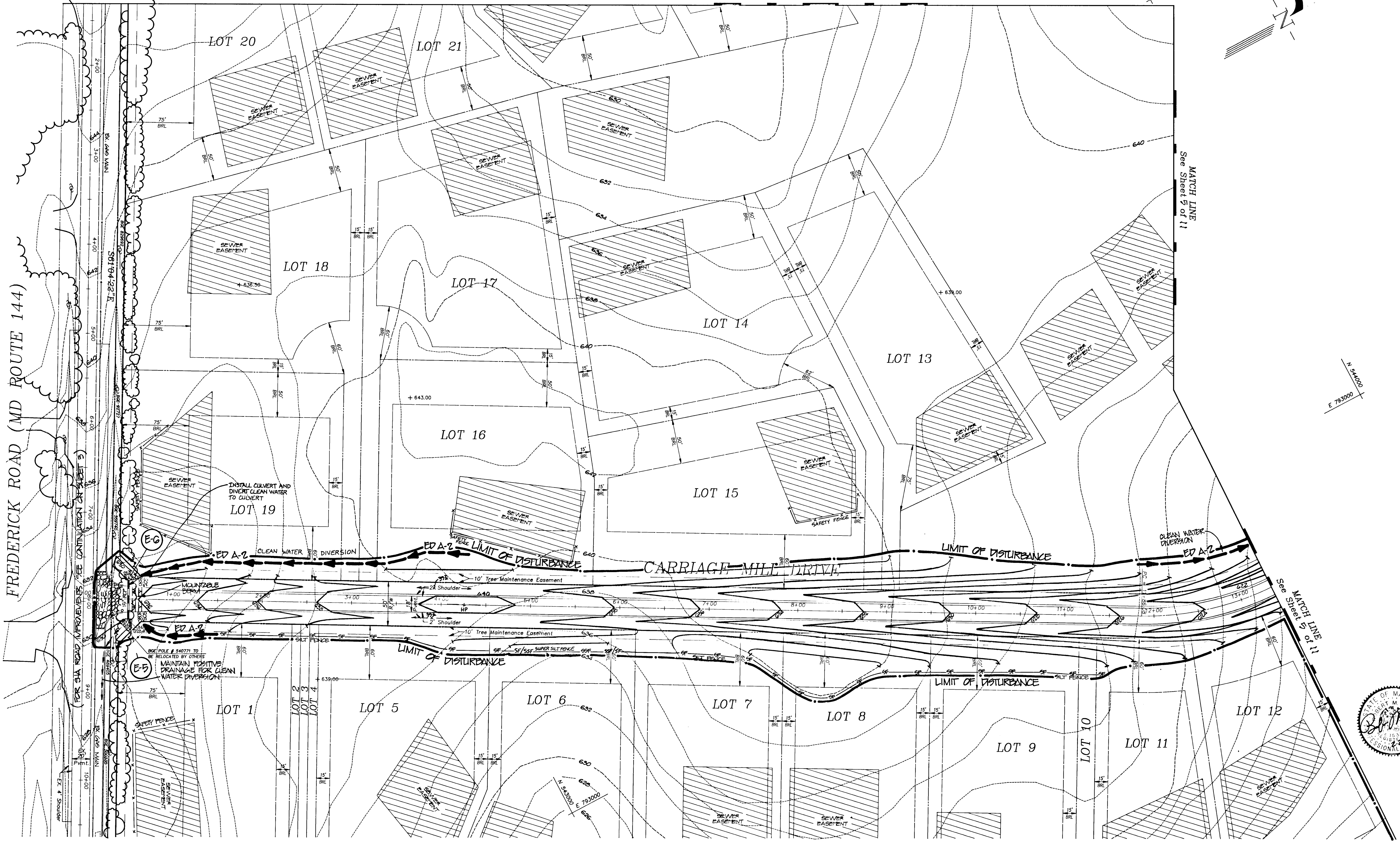
ENGINEER'S CERTIFICATE
 I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he/she must engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.
 Signature of Engineer - Bob Mochi, P.E.
 Date: 2-2-96

FREDERICK ROAD (MD ROUTE 144)

MATCH LINE
See Sheet 6 of 11

MATCH LINE
See Sheet 5 of 11

MATCH LINE
See Sheet 5 of 11



FOR CONTINUATION
SEE SHEET 3 OF 11



project	95005.13	date	11/2/95
illustration	LJC/BLP	engineering	LJC/PPFB
scale	1" = 50'	approval	RMM

no.	1	date	1/10/96
description	REVISED PER PER. DEP. AND SCD COMMENTS	revision	
revisions	0		

PHASE I
CARRIAGE MILL FARMS
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
GRADING & SEDIMENT CONTROL PLAN

R.M. MOCHI GROUP, P.C.
1300 N. 86th Road, Suite 215
Ellicott City, MD 21043-1350
(410) 461-0779
Fax: (410) 756-6340

1788

APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Gina Summerville
CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH
DATE: 2/21/96

APPROVED:
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Andrew M. Daniels
CHIEF, BUREAU OF HIGHWAYS
DATE: 2-21-96

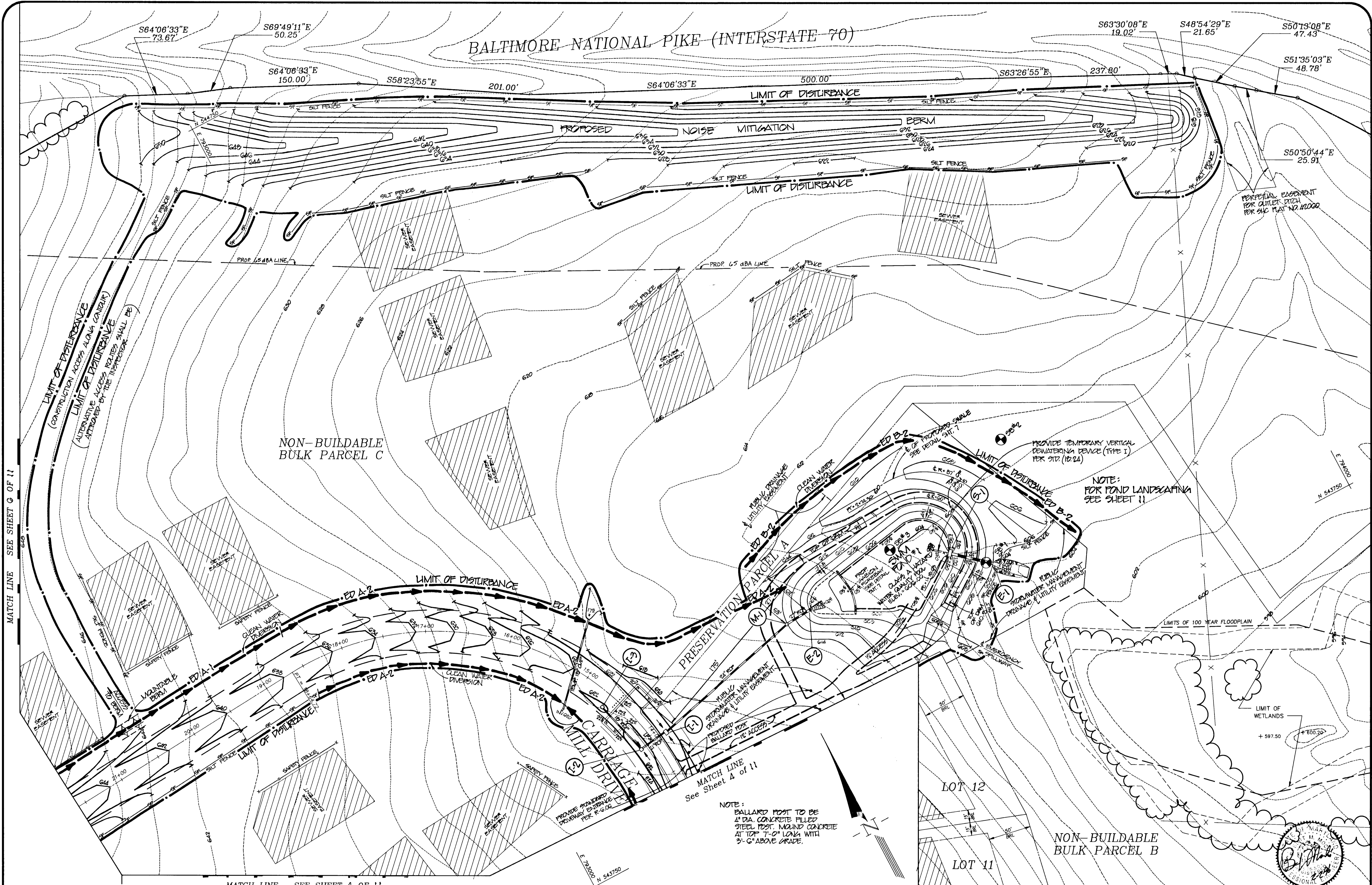
APPROVED: THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT
Robert W. Ziehm
HOWARD SOIL CONSERVATION DISTRICT
DATE: 2/14/96

APPROVED: 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 Ely
HOWARD SOIL CONSERVATION DISTRICT
DATE: 2/14/96

DEVELOPER'S CERTIFICATE
I/We certify that all development and 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 Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District.
Ralph Bice, III
Signature of Developer - Ralph Bice, III
DATE: 11/9/95

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 have notified the developer that he/she must engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.
Robert M. Mochi, P.E.
Robert M. Mochi, P.E.
DATE: 11-14-95

BALTIMORE NATIONAL PIKE (INTERSTATE 70)



APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Jina Surrinani 2/27/96
CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH
DATE

Chella Dammann 2/26/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE

APPROVED:
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Andrew M. Danek 2-21-96
CHIEF, BUREAU OF HIGHWAYS
DATE

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

Robert W. Ziehar 2/14/96
HOWARD SOIL CONSERVATION DISTRICT
DATE

APPROVED: 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 E. 2/14/96
USDA - NATURAL RESOURCES CONSERVATION SERVICE
DATE

DEVELOPER'S CERTIFICATE

I/We certify that all development and 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 Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District.

Ralph Bice 11/9/95
Signature of Developer - Ralph Bice, III
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 have notified the developer that he/she must engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

Robert M. Mochi 11-14-95
Robert M. Mochi, P.E.
Date

date	11/2/95
project	engineering
illustration	LJC/PFB
LJC/BLP	approval
scale	1" = 50'

date	1/10/96
description	REMOVED PER P.L. 100 AND 500 COMMENTS SUBMITTED TO HOWARD COUNTY DPZ
no.	1
revisions	0

PHASE I
ELECTION DISTRICT No. 4
CARRIAGE MILL FARMS
HOWARD COUNTY, MARYLAND
GRADING & SEDIMENT CONTROL PLAN

RM MOCHI GROUP, P.C.
1300 N. Bess Road, Suite 215
Essex City, MD 21042-3350
(410) 461-0979
Fax: (410) 759-6240

1788



project no.	95005.13	date	11/2/95
illustration	LJC/BLP	engineering	RAM
scale	1" = 50'	approval	

no.	1	date	1/10/96
description	REVISED PER DTA, DDP AND SOT COMMENTS SUBMITTED TO HOWARD COUNTY DPZ		
revisions			

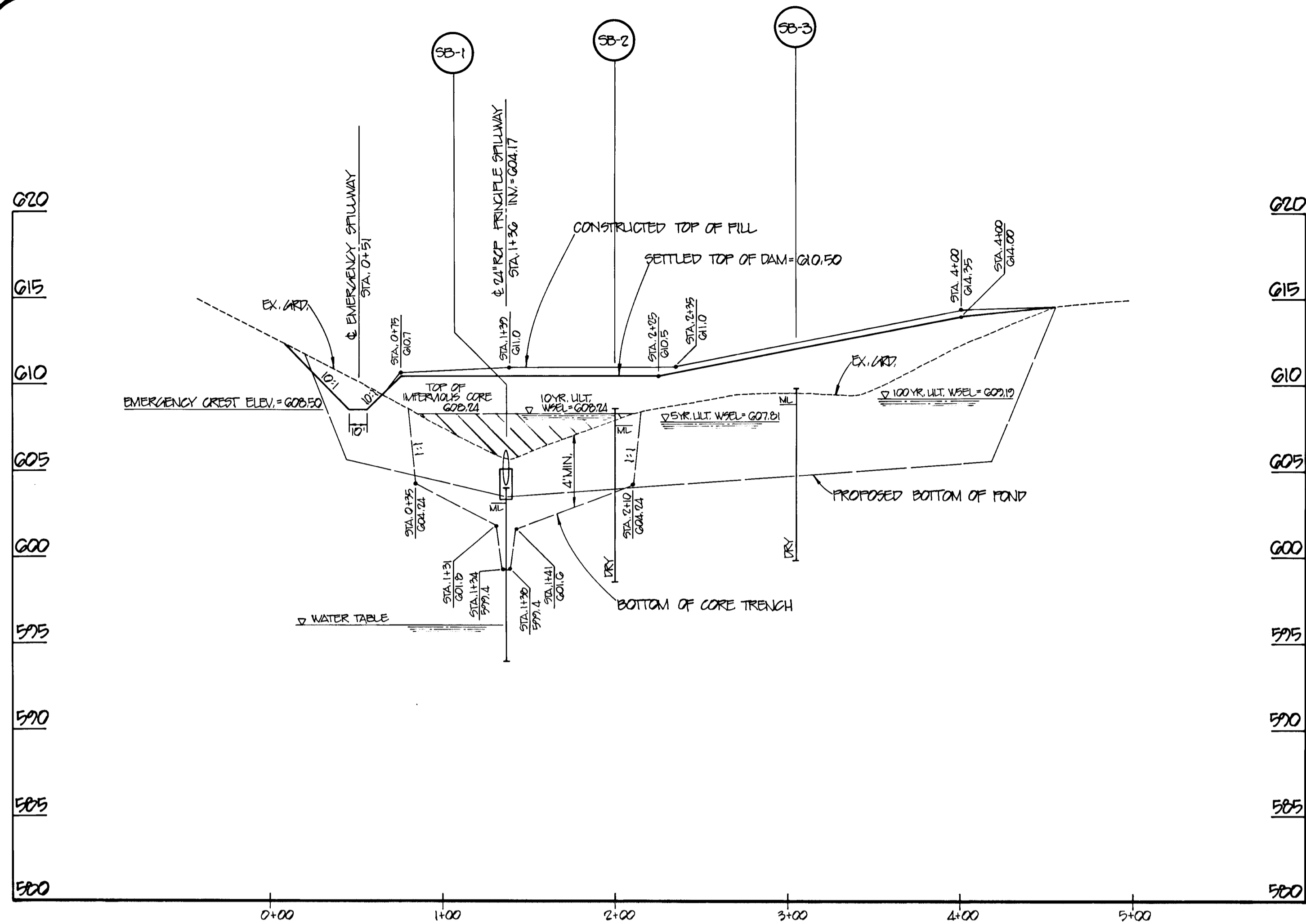
PHASE I
CARRIAGE MILL FARMS
 HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT NO. 4
GRADING & SEDIMENT CONTROL PLAN

R.M. MOCHI GROUP, P.C.
 1300 N. Ridge Road, Suite 215
 Ellicott City, MD 21043-1350
 (410) 461-0079
 Fax: (410) 756-6340

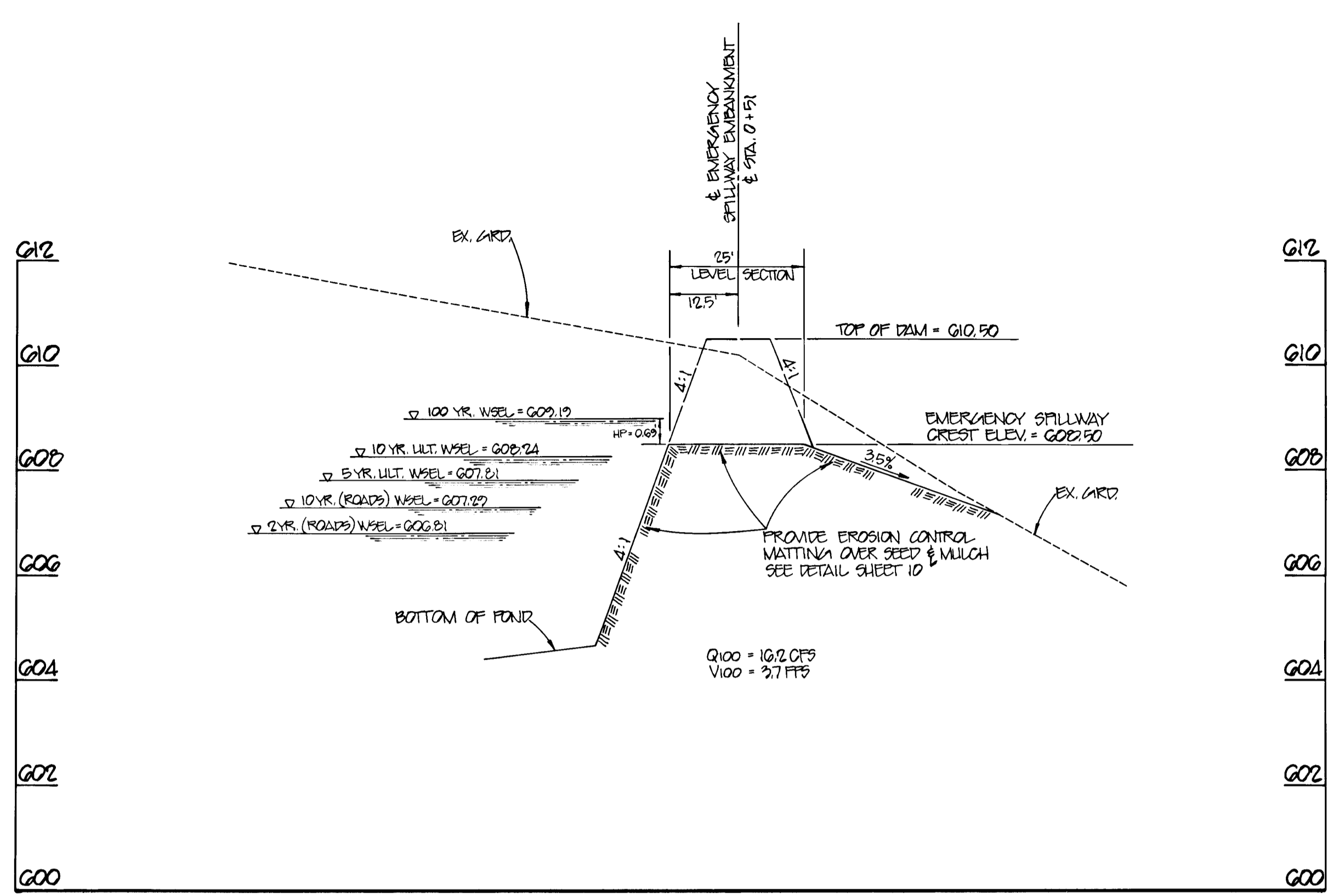


1788

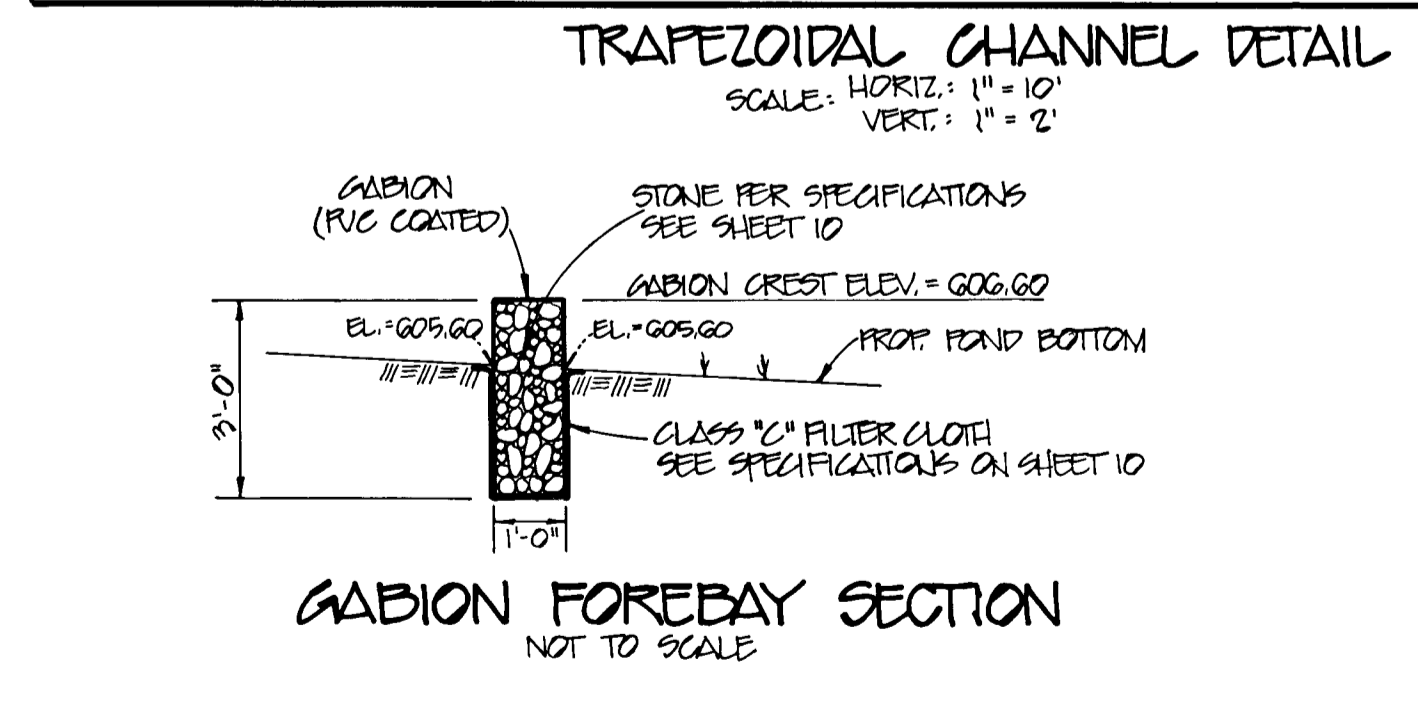
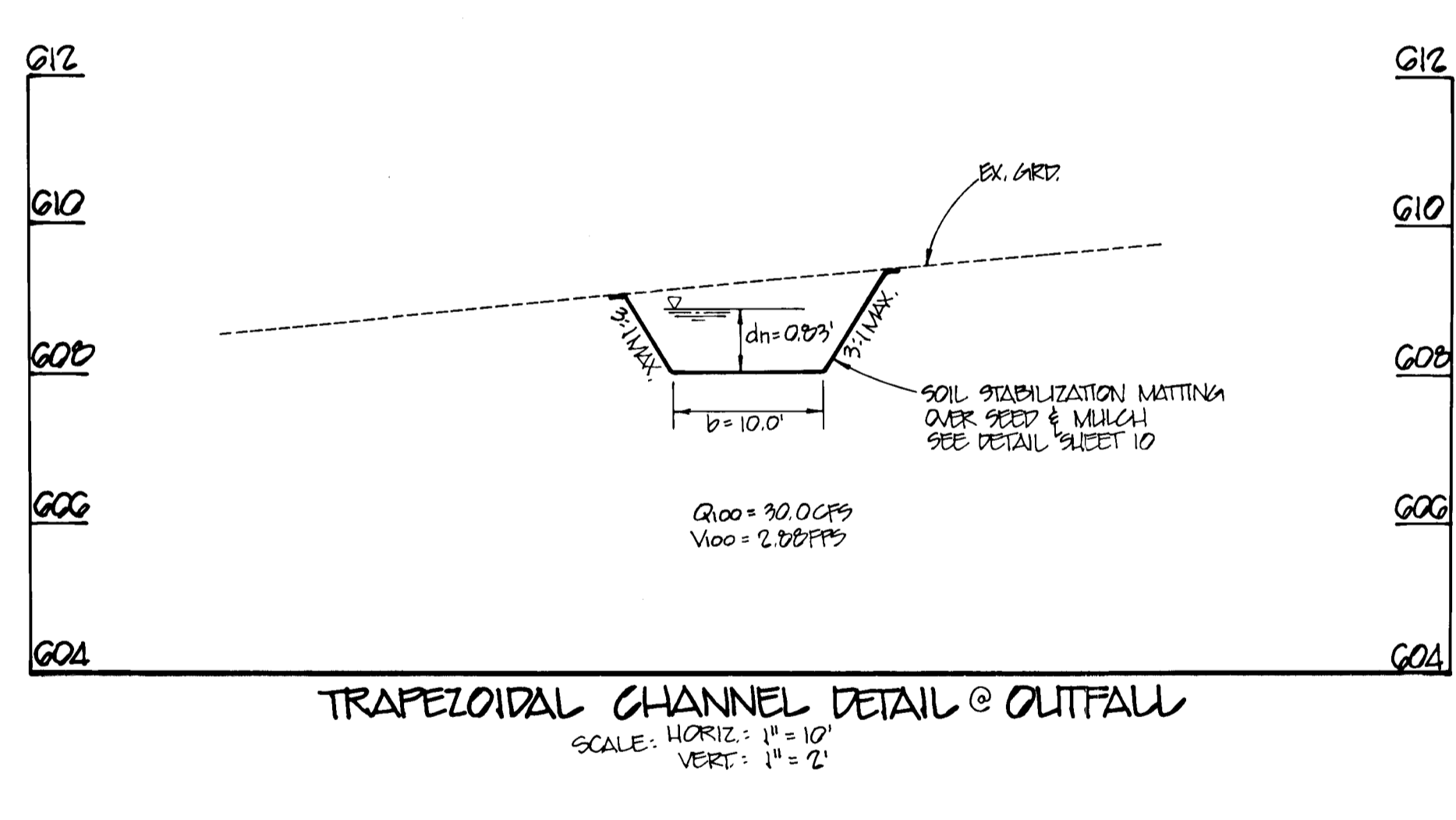
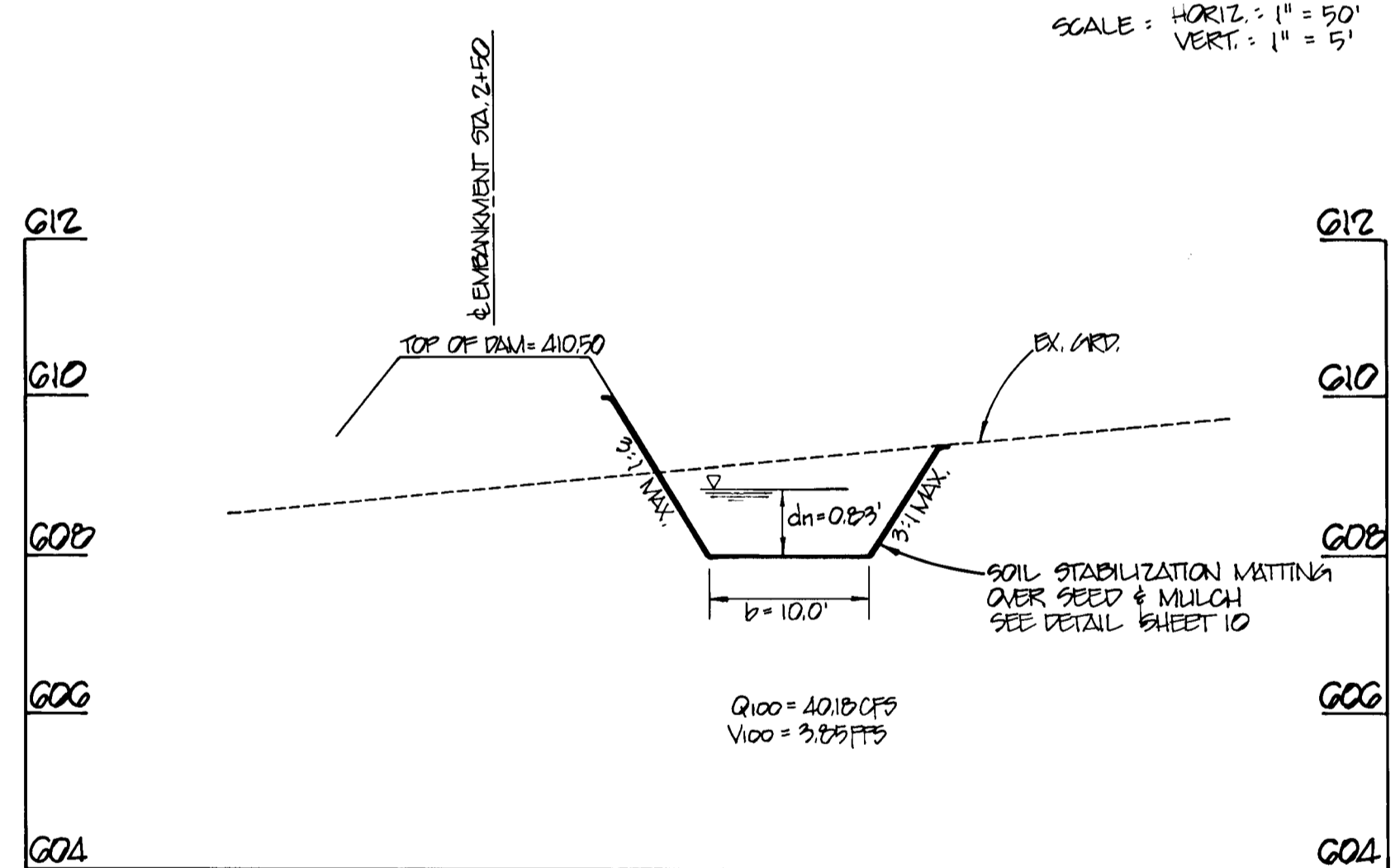
<p>APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING</p> <p><i>Aina Surinjanyc</i> CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH DATE: 2/27/96</p>	<p>APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p><i>Richard M. Parker</i> CHIEF, BUREAU OF HIGHWAYS DATE: 2-21-96</p>	<p>APPROVED: THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT</p> <p><i>Robert W. Ziehm</i> HOWARD SOIL CONSERVATION DISTRICT DATE: 2/14/96</p>	<p>APPROVED: 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.</p> <p><i>Patricia E. [Signature]</i> USDA - NAT JRA - RESOURCES CONSERVATION SERVICE DATE: 2/1/96</p>	<p>DEVELOPER'S CERTIFICATE</p> <p>I/We certify that all development and 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 Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District.</p> <p><i>Ralph Bice, III</i> Signature of Developer - Ralph Bice, III DATE: 11/9/95</p>	<p>ENGINEER'S CERTIFICATE</p> <p>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 have notified the developer that he/she must engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.</p> <p><i>Robert M. Mochi</i> Robert M. Mochi, P.E. DATE: 11-14-95</p>
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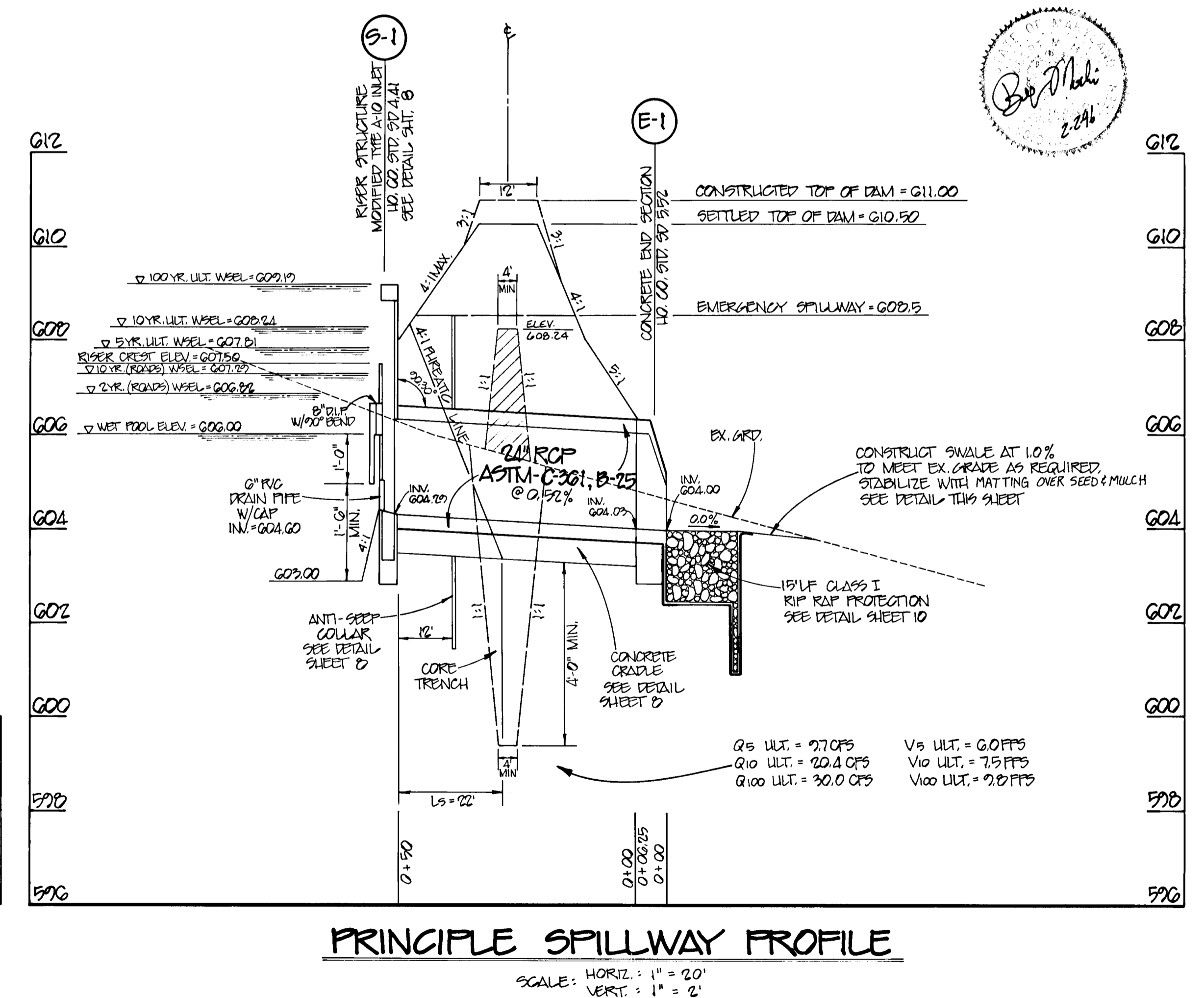
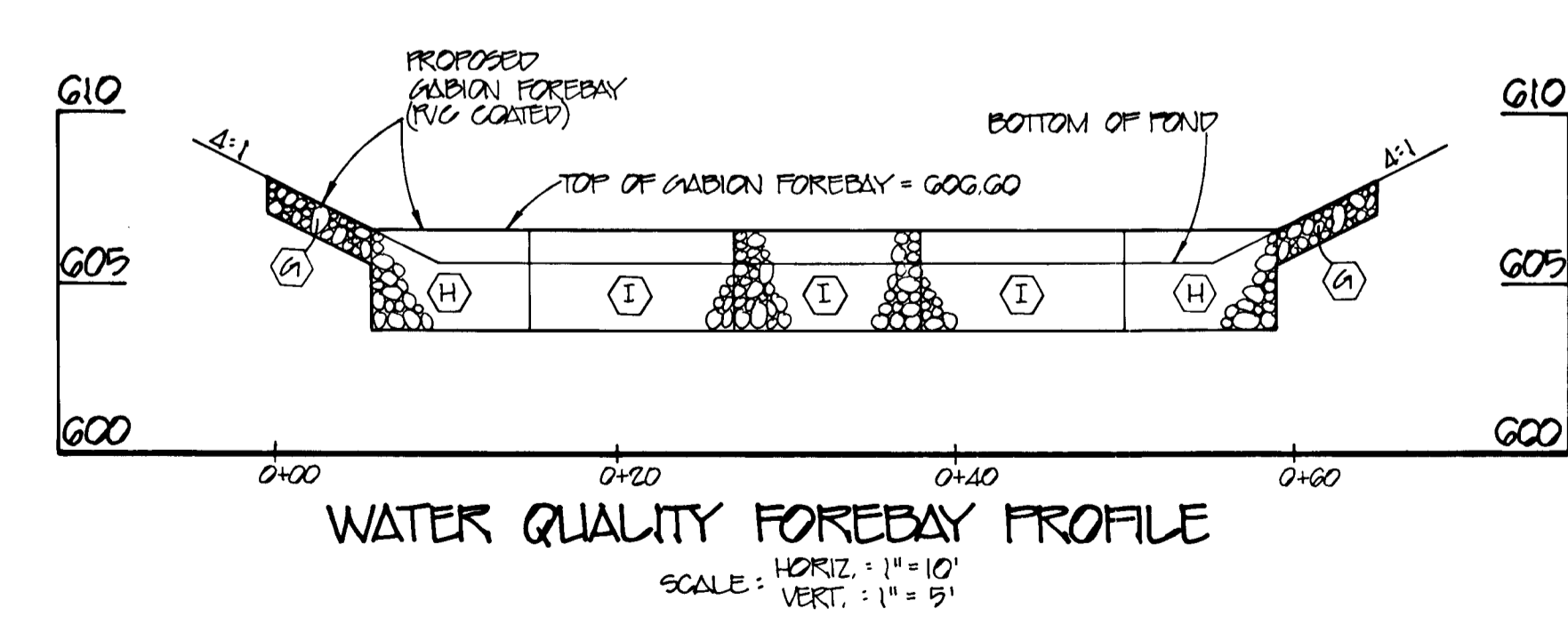
PROFILE ALONG E OF EMBANKMENT



EMERGENCY SPILLWAY PROFILE



CODE	L x H x D
(A)	6' x 3' x 1'
(H)	9' x 3' x 1'
(E)	12' x 3' x 1'



PRINCIPLE SPILLWAY PROFILE

1788

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Gina Trummey 2/21/96
 CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Andrew M. Deneke 2-21-96
 CHIEF, BUREAU OF HIGHWAYS

APPROVED: THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT
 Robert W. Zieher 2/14/96
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: 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.
 USDA - NATURAL RESOURCES CONSERVATION SERVICE

DEVELOPER'S CERTIFICATE
 I/We certify that all development and 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 Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District.
 Signature of Developer - Ralph Bice, III 11/9/95

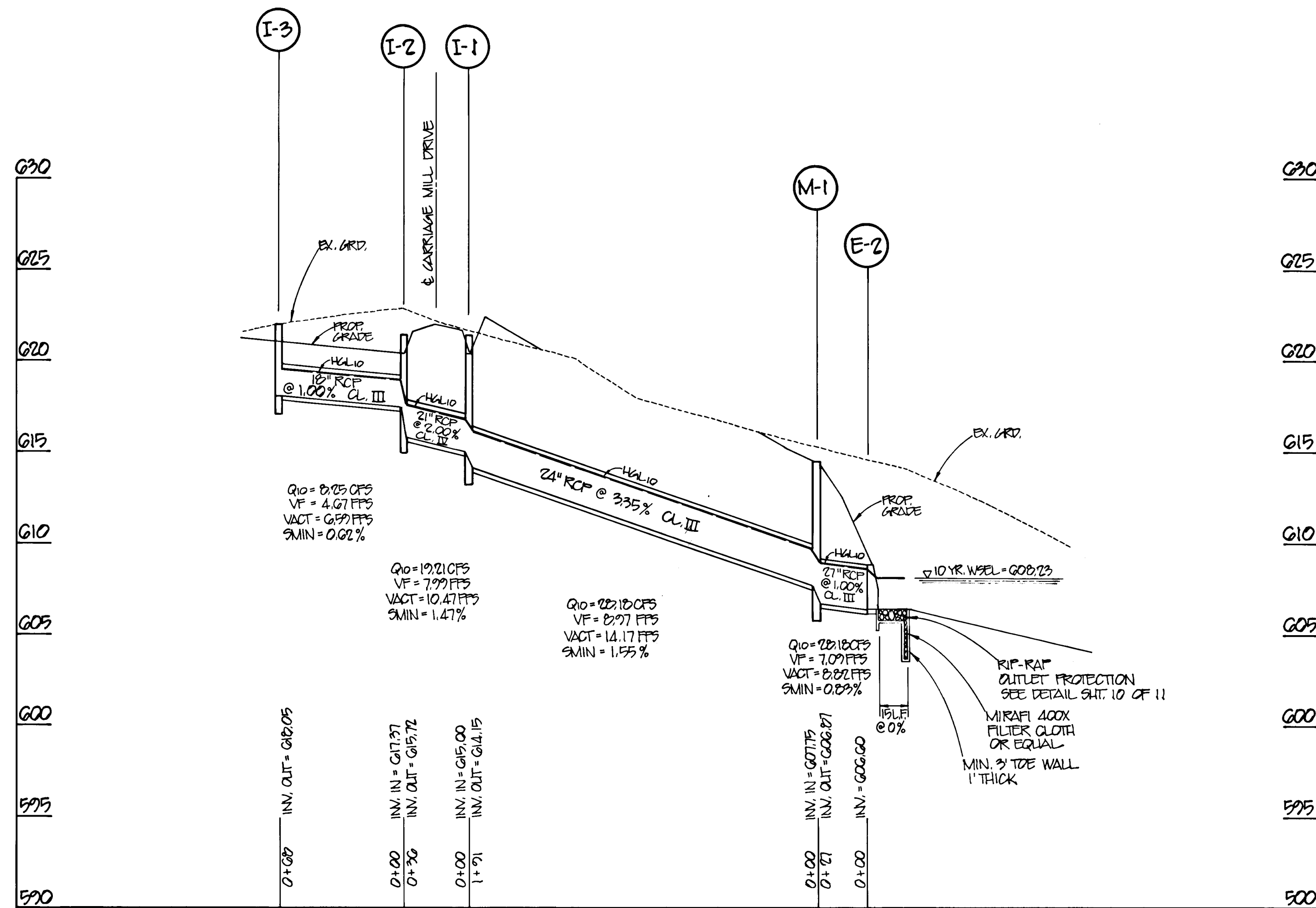
ENGINEER'S CERTIFICATE
 I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he/she must engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.
 Robert M. Mochi, P.E. 11/14/95

project	95005.13	date	11/1/95
illustration	BLP	engineering	AMV/PFB
scale	AS SHOWN	approval	RMK

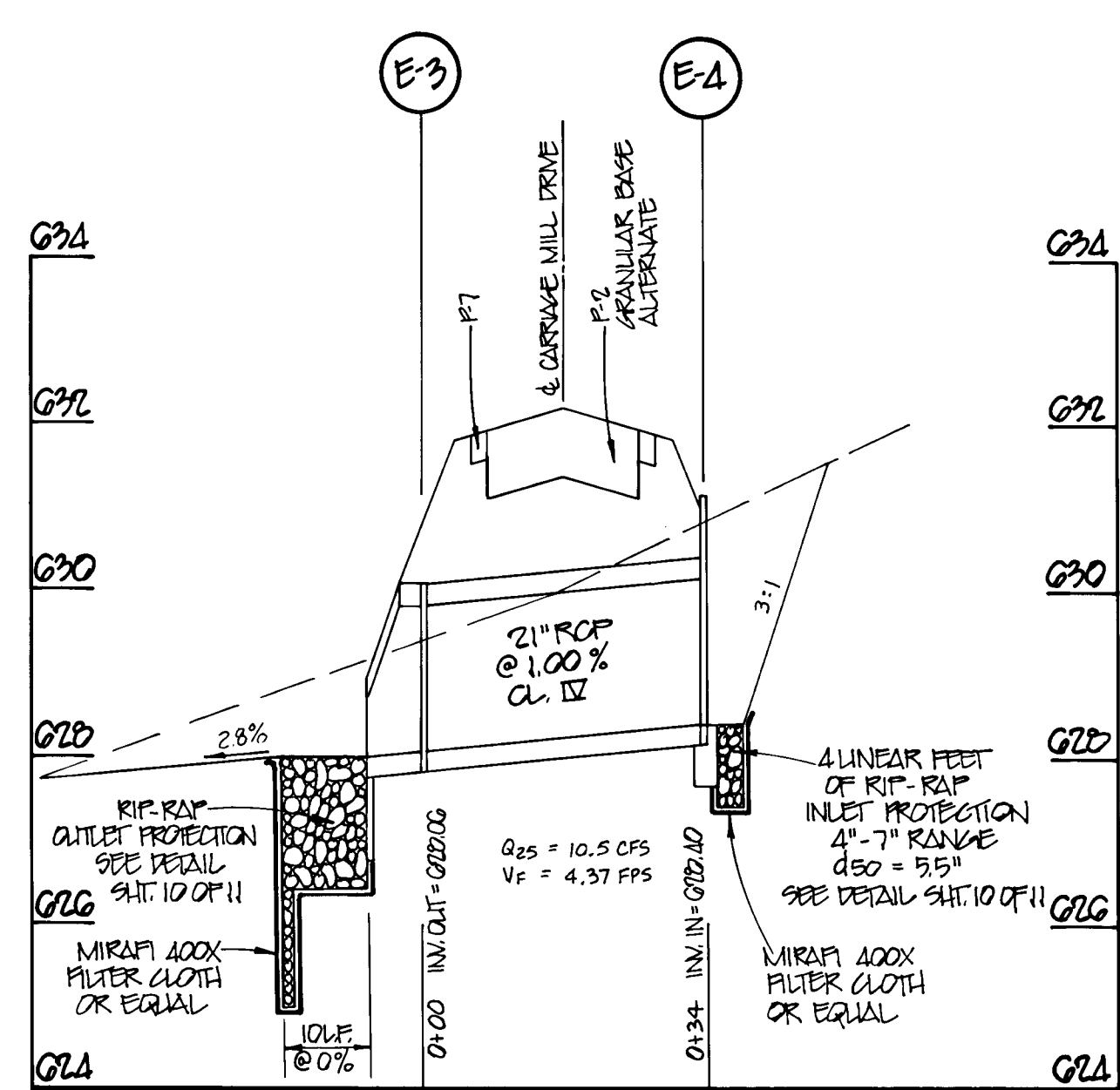
revised	1/09/96	description	REVISED PER PFL, PFD AND SGP COMMENTS
no.	1	revision	SUBMITTED TO LPZ
date	1/10/96	revisions	

PHASE I
CARRIAGE MILL FARMS
 HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT No. 4
 STORMWATER MANAGEMENT NOTES AND DETAILS

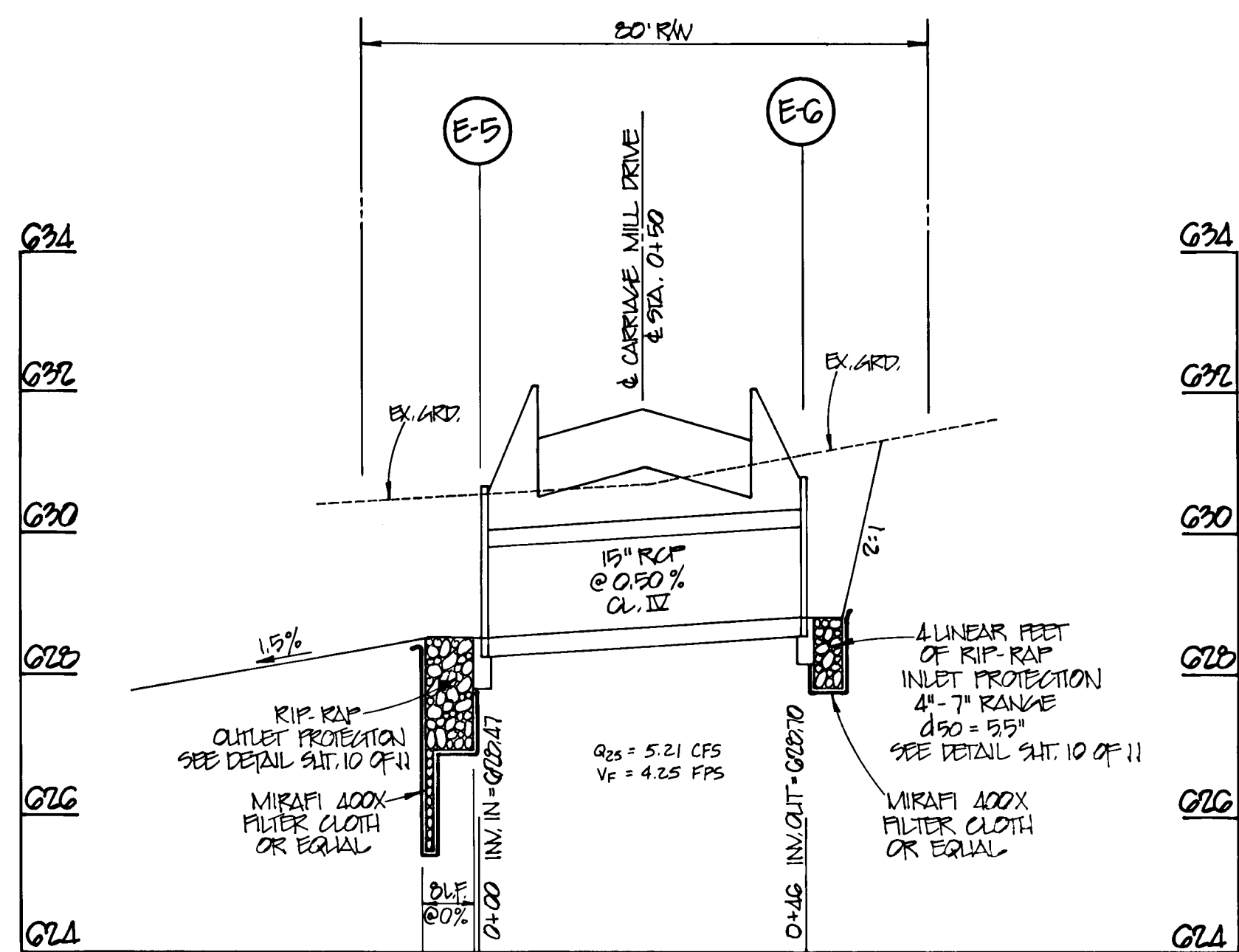
R.M. MOCHI GROUP, P.C.
 3300 N. Roper Road, Suite 215
 Elksoft City, MD 21042-3350
 (410) 461-0079
 Fax: (410) 759-6346



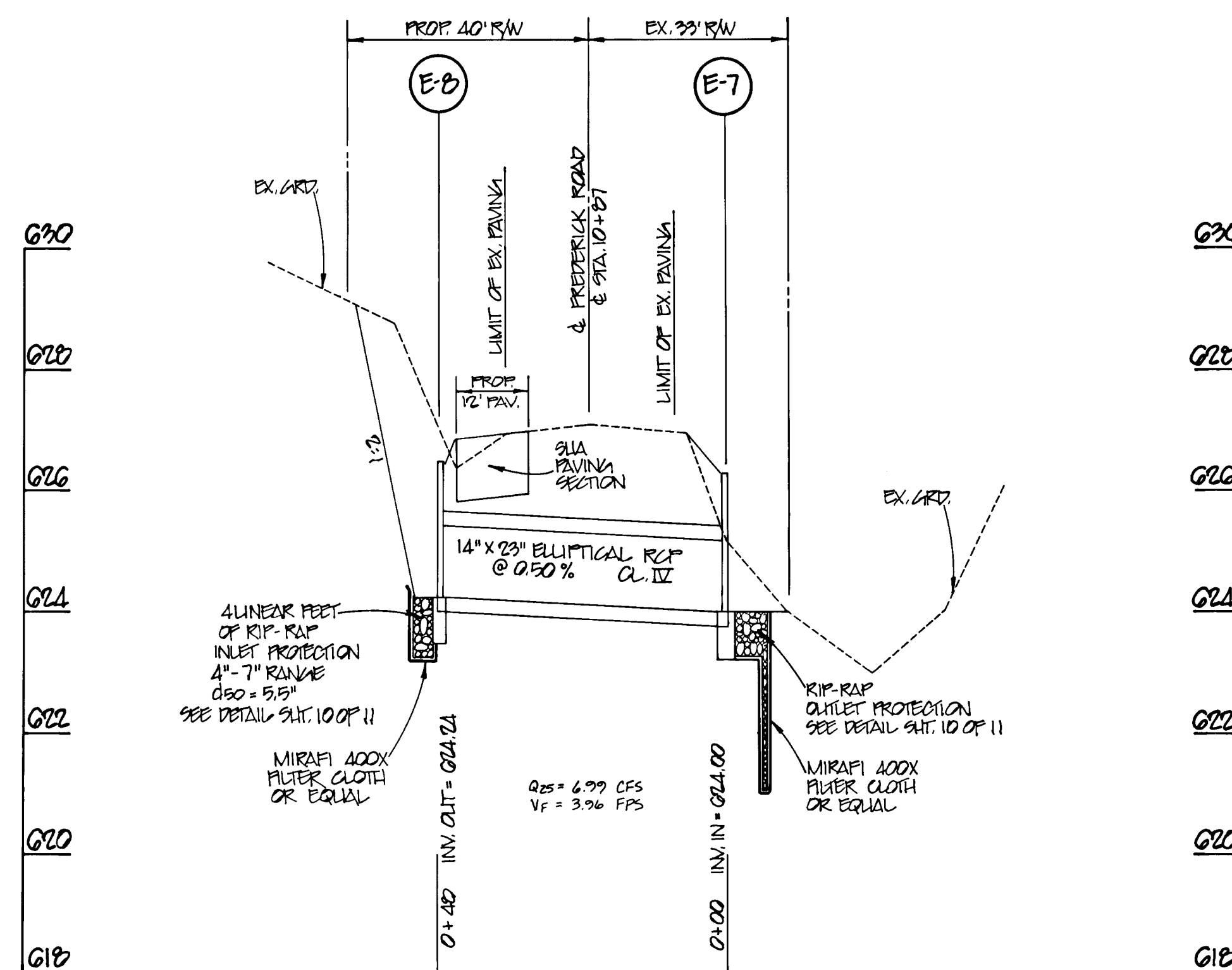
PROFILE
SCALE: VERT.: 1" = 5'
HORIZ.: 1" = 50'



PROFILE
SCALE: VERT.: 1" = 2'
HORIZ.: 1" = 20'



PROFILE
SCALE: VERT.: 1" = 2'
HORIZ.: 1" = 20'



PROFILE
SCALE: VERT.: 1" = 2'
HORIZ.: 1" = 20'

STORM DRAIN STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INV. IN	INV. OUT	ELEV.	REMARKS
I-3	"K"-INLET	CL STA 14+86.0/S 18' L	-	618.05	621.05 THROAT	HO.CO. STD.VOL IV S.D. 4.12
I-2	"K"-INLET	CL STA 13+93.94/O/S 18' R	617.37	615.72	620.46 THROAT	HO.CO. STD.VOL IV S.D. 4.12
I-1	"K"-INLET	CL STA 13+93.94/O/S 18' R	615.00	614.15	620.46 THROAT	HO.CO. STD.VOL IV S.D. 4.12
M-1	5' BRICK MH	SEE PLAN SHEET 5 OF 11	607.75	606.87	614.00 (RIM)	HO.CO. STD.VOL IV S.D. 5.52
E-2	CONC. END SECT. FOR 21" PIPE	CL STA 28+02.46/O/S 17' L	-	-	-	HO.CO. STD.VOL IV SD 5.52
E-3	CONC. END SECT. FOR 21" PIPE	CL STA 28+02.46/O/S 17' L	-	-	-	HO.CO. STD.VOL IV SD 5.52
E-4	MODIF. TYPE "C" (24" PIPE)	CL STA 28+02.46/O/S 17' R	-	628.40	631.15 (TW)	HO.CO. STD.VOL IV SD 5.21 MODIFIED FOR 21" PIPE
E-5	TYPE "C" EW FOR 15" PIPE	CL STA 0+50, O/S 23' R	628.47	-	630.47 (TW)	HO.CO. STD.VOL IV SD 5.21
E-6	TYPE "C" EW FOR 15" PIPE	CL STA 0+50, O/S 23' L	-	628.70	630.70 (TW)	HO.CO. STD.VOL IV SD 5.21
E-7	MODIF. TYPE "C" EW (18" PIPE)	CL STA 10+87, O/S 23' R	624.00	-	626.25 (TW)	HO.CO. STD.VOL IV SD 5.21 MODIF. FOR 14"x 23" ELLIPTICAL PIPE
E-8	MODIF. TYPE "C" EW (18" PIPE)	CL STA 10+87, O/S 25' L	-	624.24	626.49 (TW)	HO.CO. STD.VOL IV SD 5.21 MODIF. FOR 14"x 23" ELLIPTICAL PIPE

* O/S TO END SECTION IS AT END OF PIPE

APPROVED:
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Andrew M. Janelle 2-21-96
CHIEF, BUREAU OF HIGHWAYS HS DATE

APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Gina Surrin 2/27/96
CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH DATE

William D. ... 2/26/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

OWNER
MR. JOSEPH B. BERKE, et. al.
414 Timbercove Circle
Longwood, FL 32779
(407)869-6717

DEVELOPER
OAK HILL PROPERTIES, L.L.C.
22560 Glenn Drive, Suite 114
Sterling, Virginia 20164
(703)406-2708
ATTN: Mr. Ralph Bice, III

ENGINEER
R.M. MOCHI GROUP, P.C.
3300 North Ridge Road, Suite 235
Ellicott City, Maryland 21043
(410)461-0079
ATTN: Mr. Robert Mochi, P.E.



project	95005.13	date	11/07/95
illustration	MWZ/PFB	engineering	MWZ/PFB
scale	AS SHOWN	approval	MM

RELEASED PER THE PUBLIC WORKS COMMISSION
REVISED PER THE PUBLIC WORKS COMMISSION
1st SUBMITTAL TO HOWARD COUNTY DEPT.
no. 1
date 11/07/95

PHASE I
CARRIAGE MILL FARMS
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 4
STORM DRAIN PROFILES

R.M. MOCHI GROUP, P.C.
3300 N. Ridge Road, Suite 235
Ellicott City, MD 21043-3025
(410) 461-0079
fax: (410) 759-8540

PERMANENT SEEDING NOTES

Apply to graded or cleared area not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

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

Soil Amendments: In lieu of soil test recommendations, use on the following schedules.

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

Seeding: For the periods March 1 through April 30 and August 1 through October 15, seed with 60 lbs per acre (1.4 lbs/1000 sf) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.05 lbs/1000 sf) of Weeping Lovegrass. During the period of October 16 through February 28, protect site by: Option 1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option 2) use sod. Option 3) seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

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

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

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

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

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

Seeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2-1/2 bushel per acre of annual ryegrass (3.2 lbs/1000 sf). For the period May 1 through August 14, seed with 3 lbs per acre of Weeping Lovegrass (0.07 lbs/1000 sf). For the period November 16 through February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

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

Refer to the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for rate and methods not covered.

SEDIMENT CONTROL NOTES

1. A minimum of 48 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction. (313-1855)

2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control.

3. Following initial soil disturbances or redistribution, permanent or temporary stabilization shall be completed within: a) 72 hours for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1; b) 5 calendar days as to all other disturbed or graded areas on the project site.

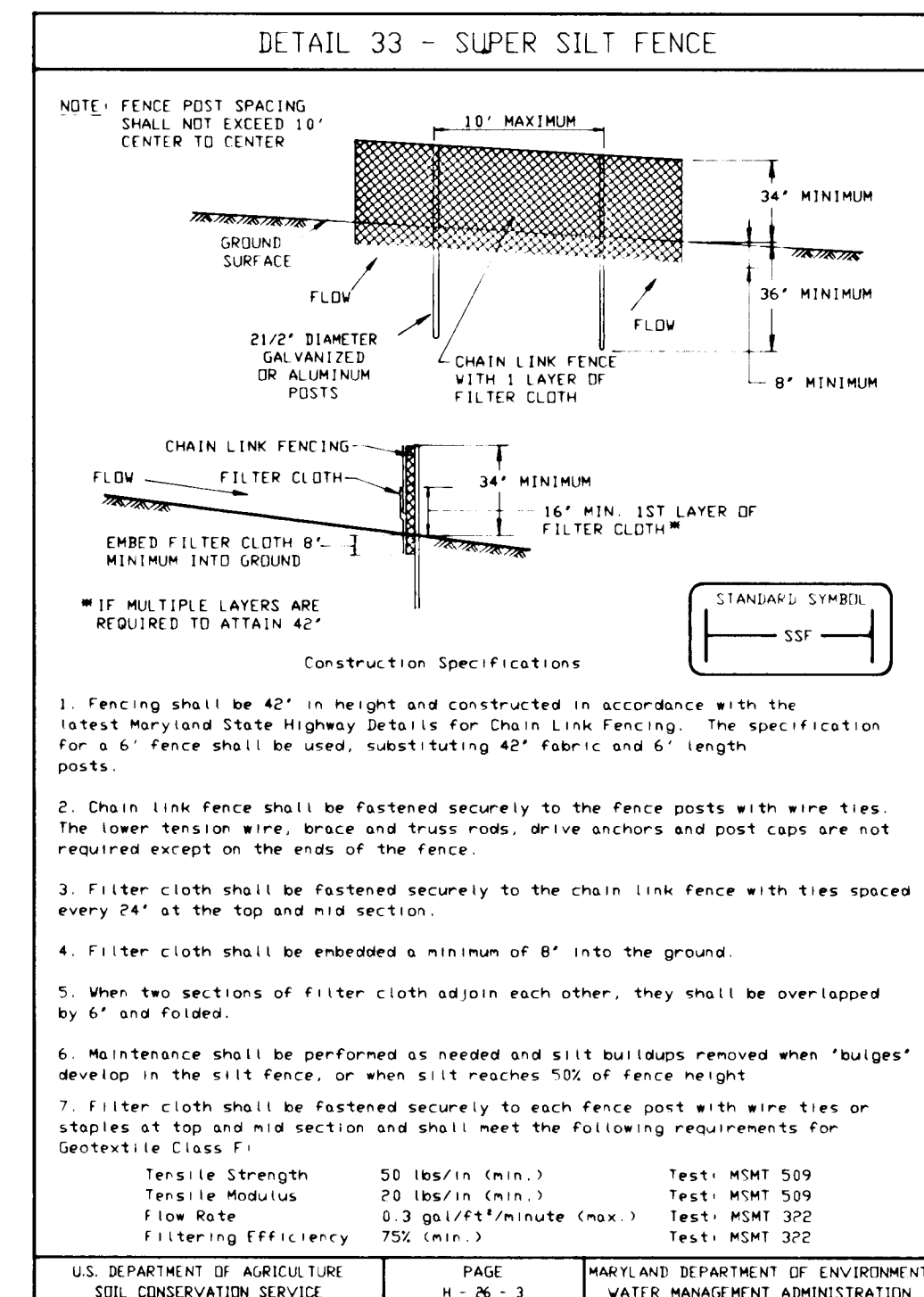
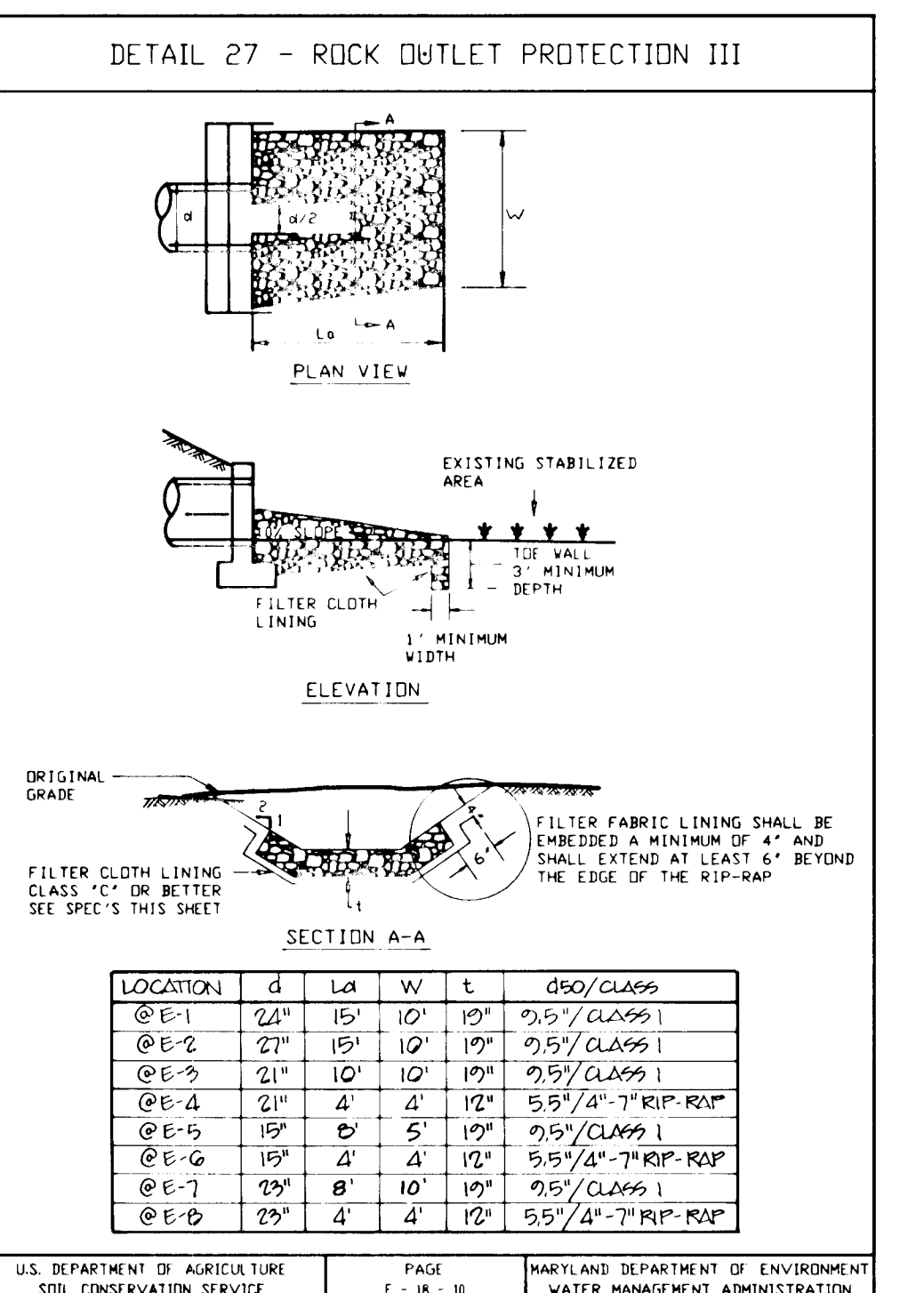
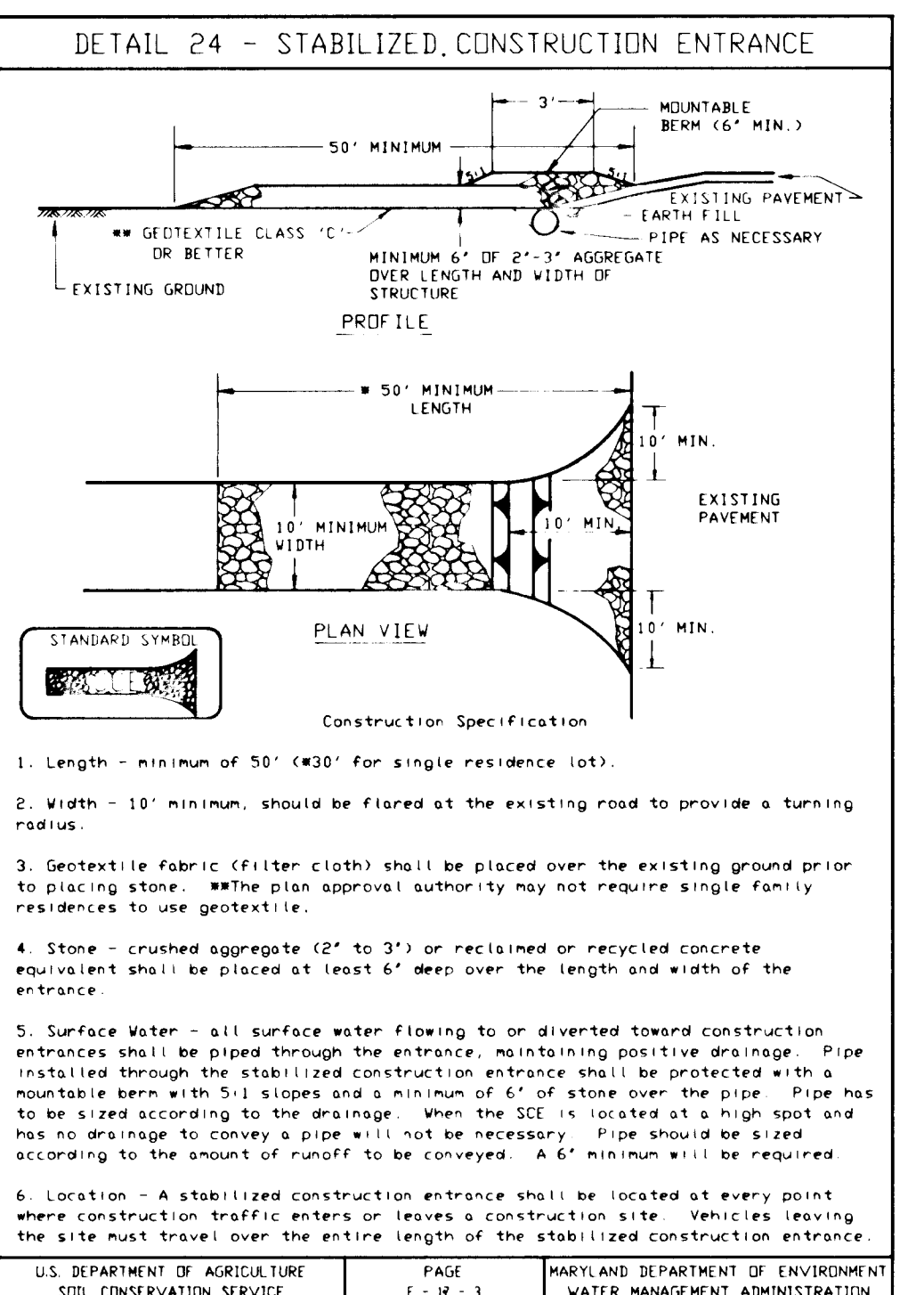
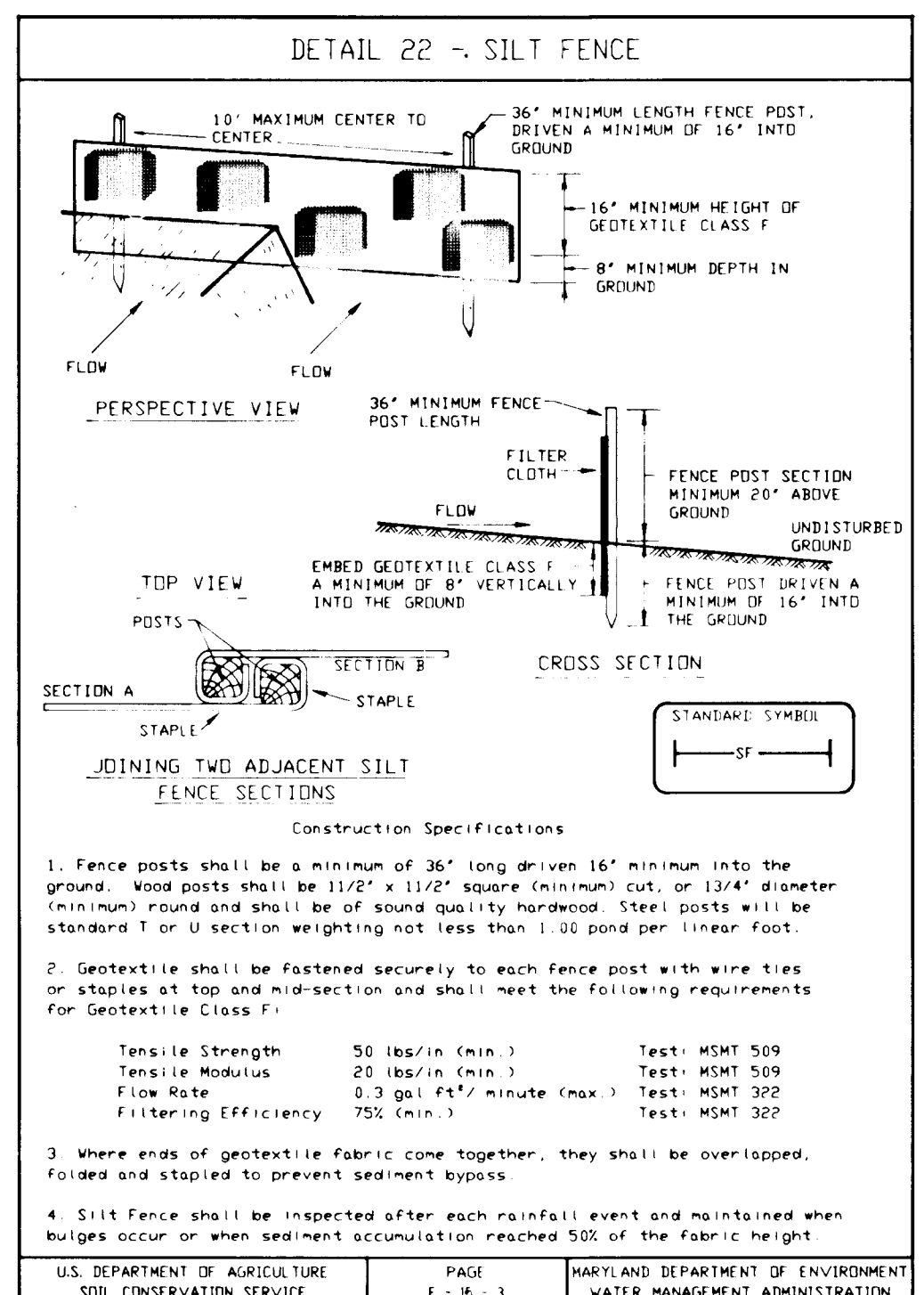
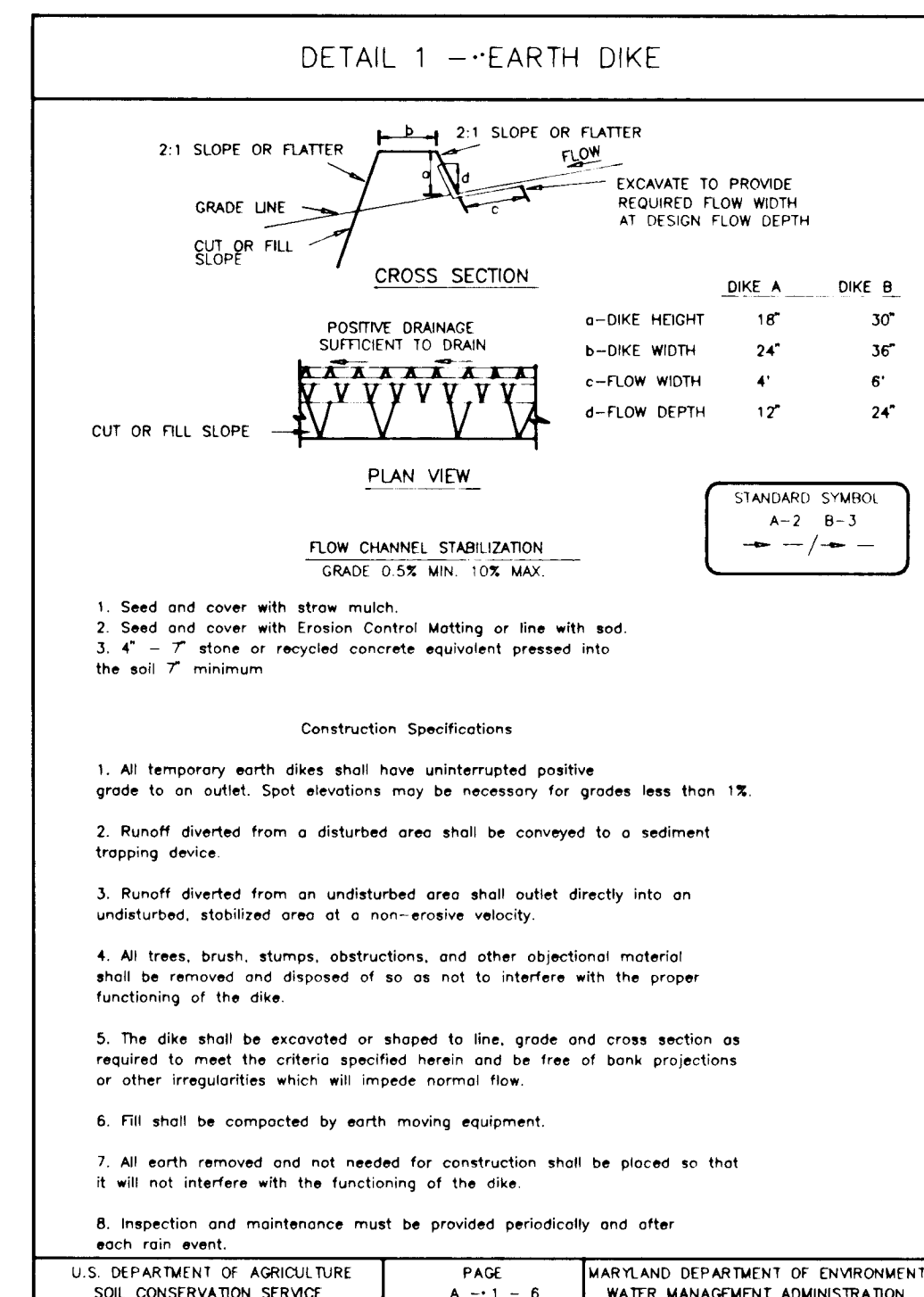
4. All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for Permanent Seeding (Sec. G-III), Sod (Sec. G-IV), Temporary Seeding (Sec. G-II) and Mulching (Sec. G-I). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.

5. All sediment control structures are to remain in place and are to be maintained in operative condition until their removal has been obtained from the Howard County Sediment Control Inspector.

6. Site Analysis:
Total Area of Site: A.C. = 113.0 A.C.
Area to be Disturbed: A.C. = 130.0 A.C.
Area to be roofed or paved: A.C. = 11.9 A.C.
Area to be vegetatively stabilized: A.C. = 13.0 A.C.
Total Cut: C.Y. = 1,500 C.Y.
Total Fill: FILL = 1,500 C.Y.

7. Offsite Waste/Borrow Area: None (EXCEPT TO WORK WITHIN 100' BEAM) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance. Additional sediment controls must be provided, if deemed necessary by the Howard County DEP Sediment Control Inspector.

8. Quantities and estimates shown are for sediment control purposes only. Contractor shall prepare his/her own quantity estimates to his/her satisfaction.

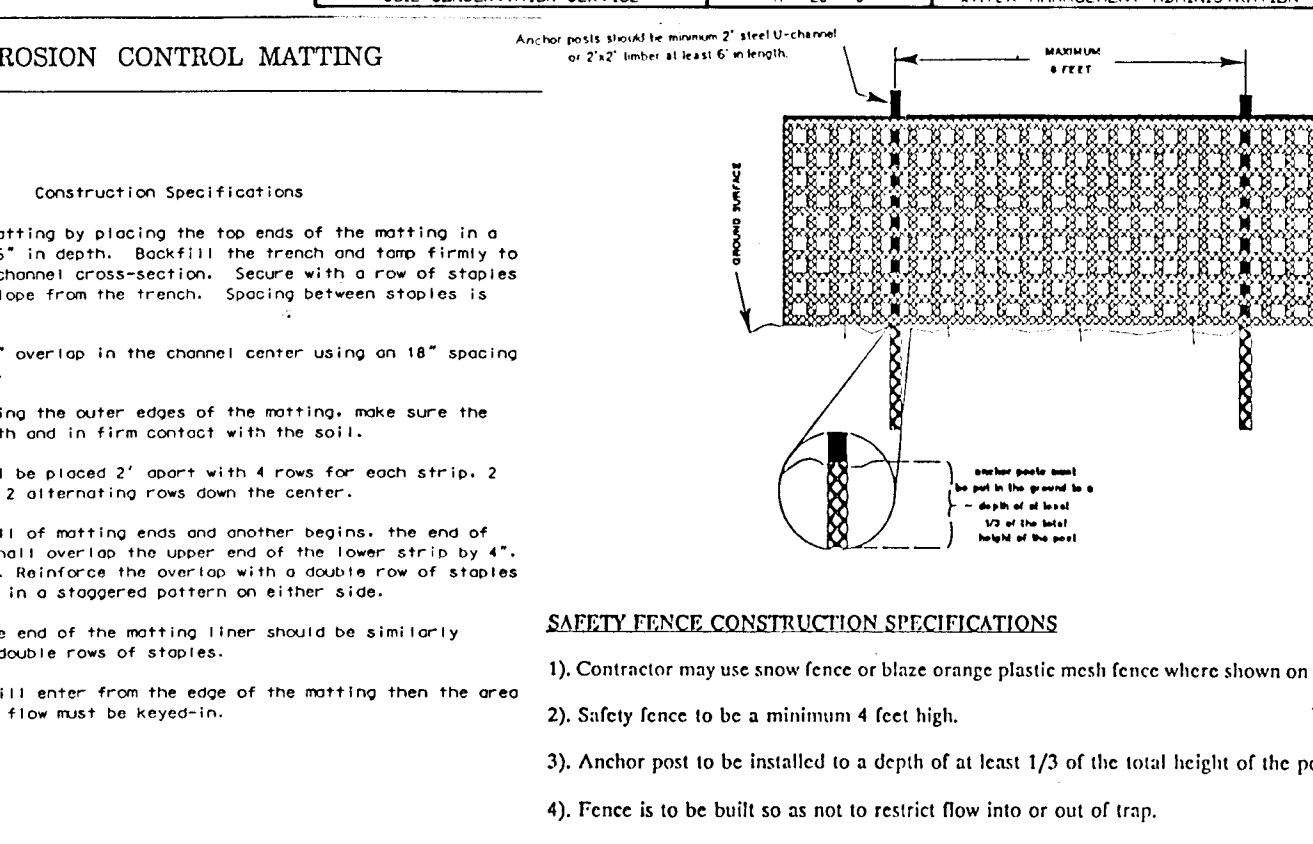
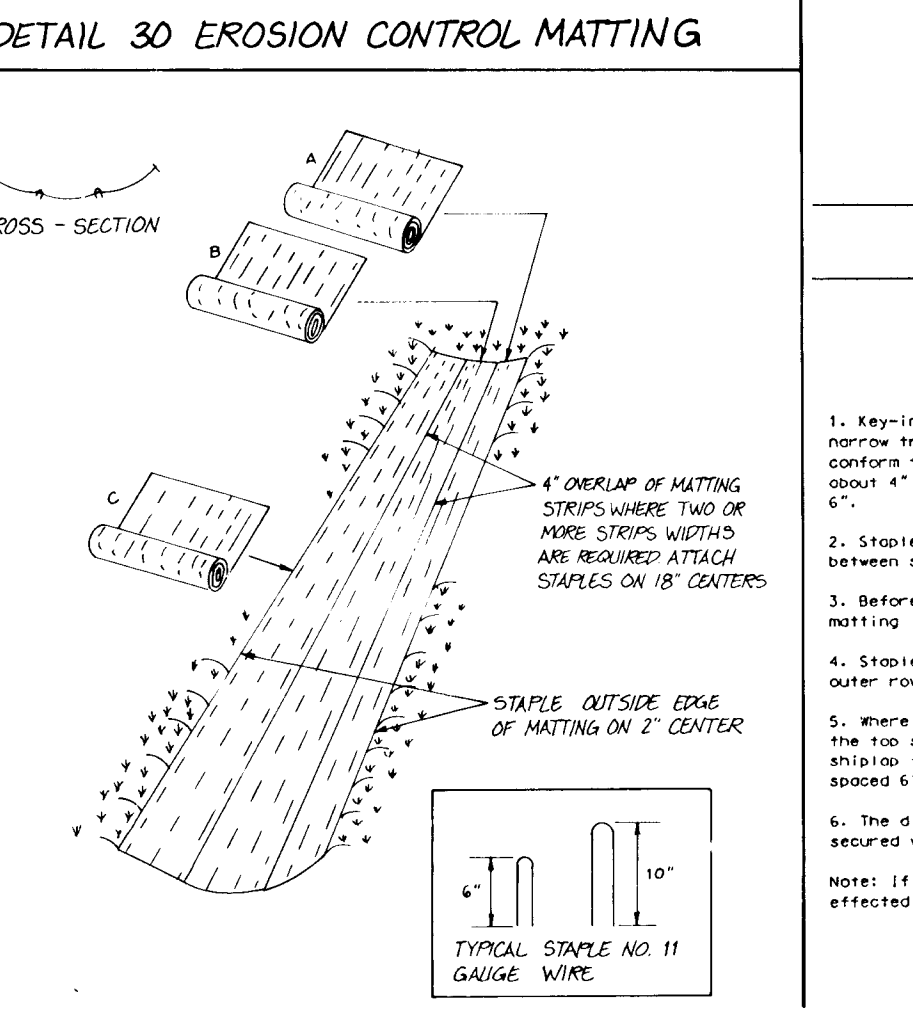
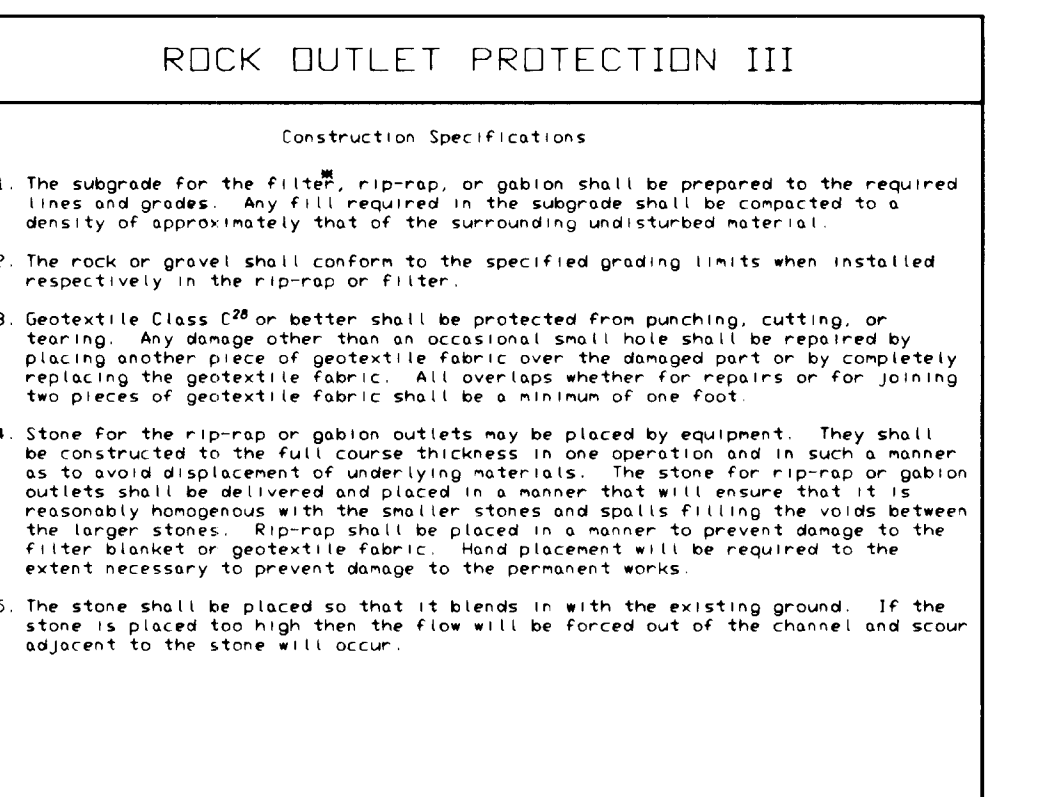
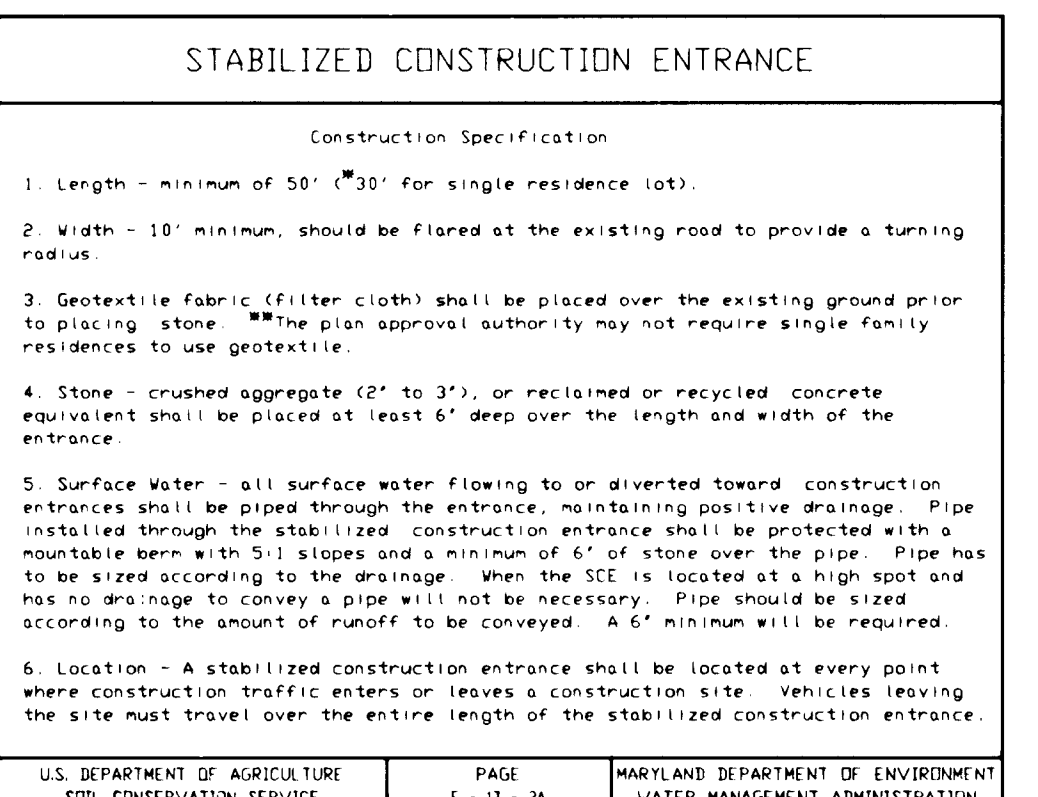


SILT FENCE

Silt Fence Design Criteria

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.



24.0 MATERIALS SPECIFICATIONS

Table 27 Geotextile Fabrics

CLASS	APPARENT OPENING SIZE MM. MAX.	GRAB TENSILE STRENGTH LB. MIN.	BURST STRENGTH PSI. MIN.
A	0.30	250	500
B	0.30	200	320
C	0.30	200	320
D	0.60	200	145
E	0.30	90	145
F (SILT FENCE)	0.40-0.60	90	90

* US Site Size CW-02215
The properties shall be determined in accordance with the following procedures:
- Apparent opening size ASTM 373
- Grab tensile strength ASTM D-1682; 4x4" specimen, 1x2" clamps, 12" min strain rate in both principal directions of geotextile fabric.
- Burst strength ASTM D-3786

The fabric shall be inert to commonly encountered chemicals and hydrocarbons, and will be rot and mildew resistant. It shall be manufactured from fibers consisting of long chain synthetic polymers, and composed of a minimum of 85% by weight of polypropylene, polyester, or polyethylene. The geotextile fabric shall resist deterioration from ultraviolet exposure.

In addition, Classes A through E shall have a 0.01 cm/sec minimum permeability when tested in accordance with ASTM 564, and an apparent minimum elongation of 20 percent (20K) when tested in accordance with the grab tensile strength requirements listed above.

24.0 MATERIALS SPECIFICATIONS (Cont'd)

Table 27 Geotextile Fabrics

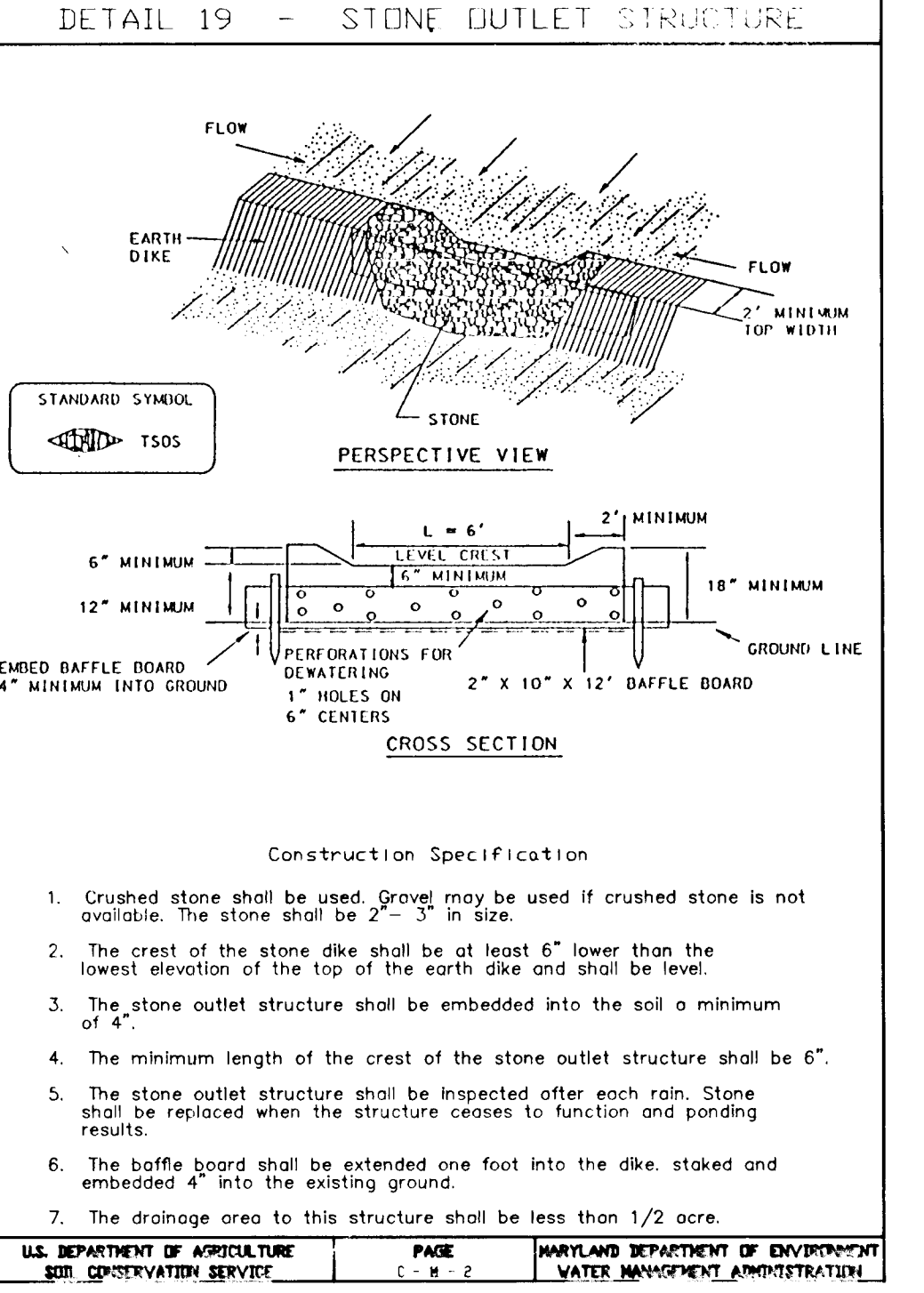
NUMBER	SIZE RANGE	D ₁₀	D ₅₀	AASHTO	WEIGHT
574	1/2" - 1 1/2"	1/2"	1 1/2"	M-43	N/A
NUMBER 1	2" - 3"	2 1/2"	3"	M-43	N/A
RIIP-RAP	4" - 7"	5 1/2"	7"	N/A	N/A
CLASS I	N/A	9.5"	15"	N/A	150 lb max
CLASS II	N/A	16"	24"	N/A	700 lb max
CLASS III	N/A	23"	34"	N/A	2000 lb max

* This classification is to be used on the inside face of stone outlets and check dams.
** This classification is to be used when new stone is required. The State Highway Administration designation for this stone is Stone for Gabions (805.01.04).

Stone for Gabion Baskets

BASKET THICKNESS INCHES	SIZE OF INDIVIDUAL STONES MM.	WEIGHT
3 - 5	75 - 125	
6	100 - 175	
9	100 - 175	
12	100 - 175	
18	100 - 175	
24	100 - 175	
30	100 - 300	

Note: Replaced concrete equivalent may be substituted for all stone classifications. Replaced concrete equivalent shall be concrete broken into the sizes meeting the appropriate classification, shall contain no steel reinforcement, and shall have a density of 150 pounds per cubic foot.



- Sequence of Construction**
- 1) Obtain all required permits, approvals and licenses from appropriate agencies.
 - 2) Notify Howard County Construction Inspection Division (313-1880) at least five (5) working days prior to starting work.
 - 3) Install stabilized construction entrances.
 - 4) Install all sediment and erosion control measures and devices for the construction / mass grading of the onsite roads and SWM pond. This will include the construction of the culverts at the entrances to the site and the temporary H/CPM at station 15+18.2 to divert clean water. All sediment control devices are to be inspected daily and after each rainfall. Repair sediment devices as required.
 - 5) Upon diversion of clean water around the proposed pond and installation of silt fence downstream of pond per plan, clear and grub pond area.
 - 6) Construct Core Trench with suitable material as verified by a Profession Engineer.
 - 7) Construct Principle spillway Precast structure, barrel, anti-seep collar and outfall per plans.

- 8) Upon obtaining proper inspections and certifications, backfill Principal Spillway. Install Temporary Dewatering Device and brick Weir opening to the elevations shown on the plans (Sec Sheet 8)
- 9) Complete Embankment fills and excavate for pond volumes per plan.
- 10) Mass grade site.
- 11) Construct storm drain to SWM / Sediment Control Basin. Delay forebay construction until sediment basin is converted to a SWM pond.
- 12) Construct Phase I roads. Provide temporary paving to Route 144 as dictated by field conditions.
- 13) Install sediment and erosion control measures associated with the Route 144 road improvements (Silt fences & inlet protection).
- 14) Construct road improvements.
- 15) Upon stabilization of all disturbed areas, clean and flush storm drainage, convert sediment basin to SWM pond and construct forebay.
- 16) Notify Howard County Office of Inspections and Permits for final inspection of completed project.

APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Qina Surranjany
CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH

Abdul Qawim
CHIEF, DEVELOPMENT ENGINEERING DIVISION

APPROVED:
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Richard M. Daniel
CHIEF, BUREAU OF HIGHWAYS

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

Robert W. Ziehm
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: 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 E. [Signature]
USDA - NATIONAL RESOURCE CONSERVATION SERVICE

DEVELOPER'S CERTIFICATE

I/We certify that all development and 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 Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District.

Ralph Bice, III
Signature of Developer - Ralph Bice, III

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 have notified the developer that he/she must engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

Richard M. Daniel
Richard M. Daniel, P.E.

PROJECT: 95005.13
DATE: 11/1/96
Illustration: AMV/PFB
SCALE: BLP
DATE: 1/05/96
SUBMITTED TO: [Signature]
DESCRIPTION: [Signature]
REVISIONS: [Signature]

PHASE I
CARRIAGE MILL FARMS
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 4
SEDIMENT CONTROL NOTES AND DETAILS

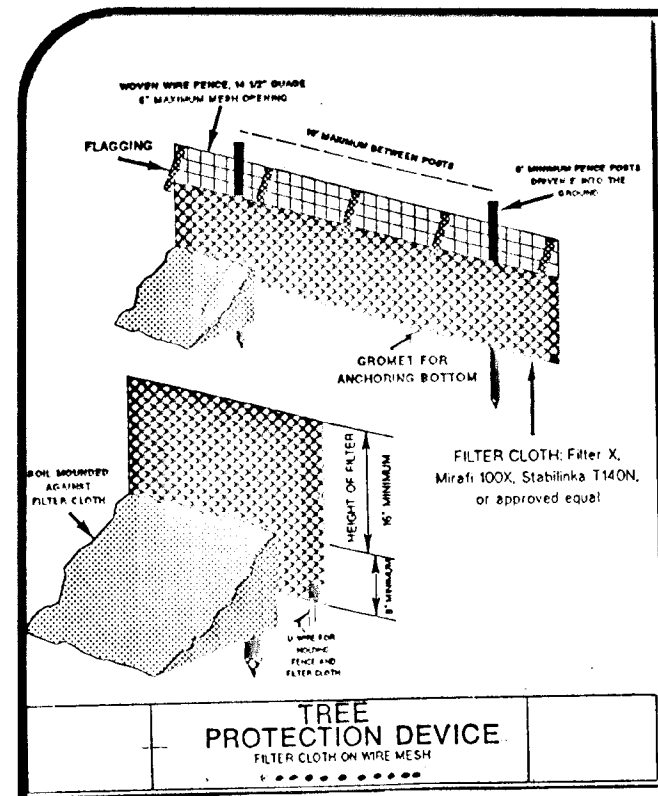
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199005-00 95005.13

3000 N. Ridge Road, Suite 235
Ellicott City, MD 21043-3556
(410) 461-0079
Fax: (410) 756-6340

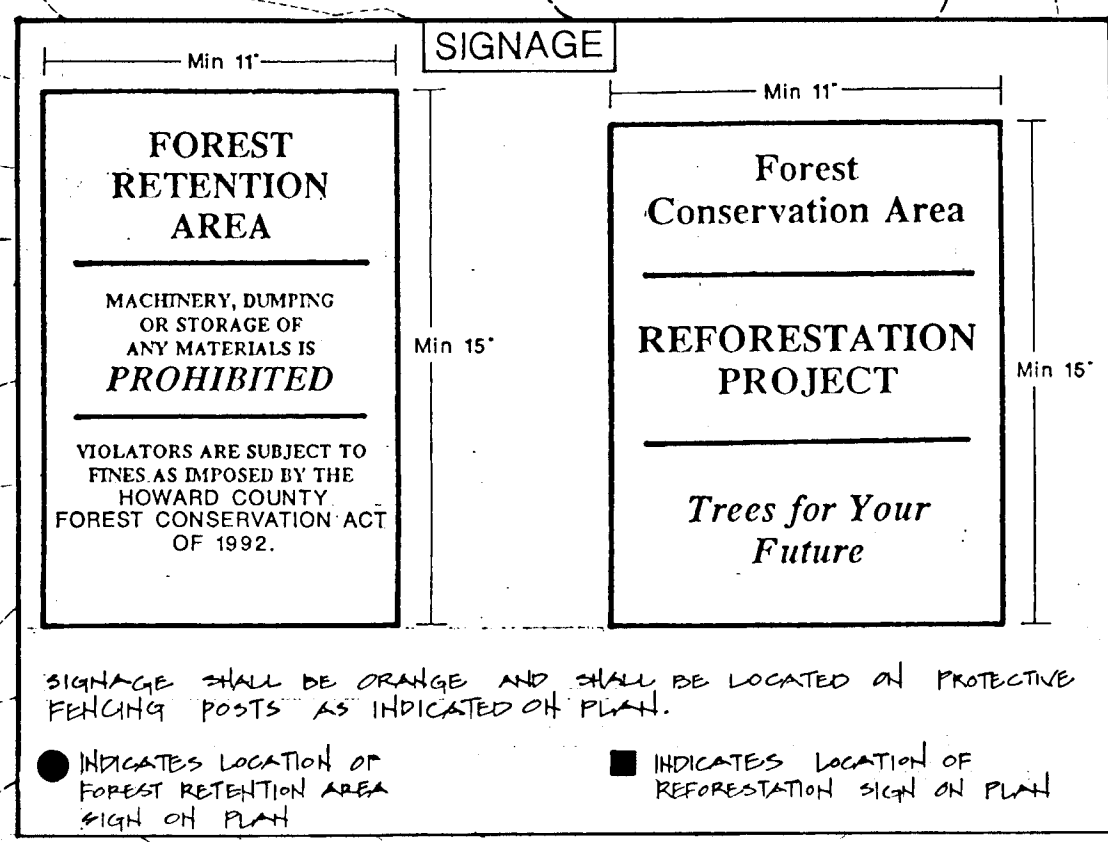
DATE: 2/11/96
DATE: 2/14/96
DATE: 2/14/96
DATE: 2/11/96

10 of 11
F:96-70



LANDSCAPE NOTES

- PROPOSED LOCATIONS OF STREET TREES AND SCHEMATIC PERIMETER LANDSCAPED EDGES ARE SHOWN ON THIS PLAN.
- TREE TABULATION
 - STREET TREES
 - CARRIAGE MILL DRIVE
 - 2,744 LF OF RIGHT-OF-WAY
 - 69 STREET TREES REQUIRED 40 FEET APART
 - 69 ACER RUBRUM 'AUTUMN FLAME' PROPOSED
 - OLD FREDERICK ROAD
 - 1,701 LF OF RIGHT-OF-WAY
 - 160 LF EXISTING TREES (LOT 22)
 - 1,541 LF OF RIGHT-OF-WAY
 - 39 STREET TREES REQUIRED 40 FEET APART
 - 39 ACER RUBRUM 'AUTUMN FLAME' PROPOSED
 - PERIMETER LANDSCAPED EDGES
 - 3,361 LF SF TO PERIMETER PROPERTIES (TYPE A) (LOTS 3, 4, 6-8, 10-12, 24 & 26)
 - 1 SHADE TREE/80 LF = 56 SHADE TREES REQUIRED
 - 14 ACER RUBRUM 'OCTOBER GLORY'
 - 14 ACER RUBRUM 'RED SUNSET'
 - 14 QUERCUS PHELLOS/WILLOW OAK
 - 14 QUERCUS RUBRA/RED OAK
 - 1,518 LF LANDSCAPED EDGE ADJACENT TO ROADWAYS (TYPE B) (LOTS 1, 3 & 16-20 FREDERICK ROAD)
 - 1 SHADE TREE/20 LF = 30 SHADE TREES
 - 7 ACER RUBRUM 'OCTOBER GLORY'
 - 8 ACER RUBRUM 'RED SUNSET'
 - 7 QUERCUS PHELLOS/WILLOW OAK
 - 6 QUERCUS RUBRA/RED OAK
 - 1 EVERGREEN/40 LF = 38 EVERGREENS
 - 38 CUPRESSOCYPARIS LEYLANDI/LEYLANDI CYPRESS
 - 1,296 LF LANDSCAPED EDGE ADJACENT TO SWM AREA (TYPE B)
 - 1 SHADE TREE/50 LF = 26 SHADE TREES LESS 5 SHADE TREES PROVIDED AS A PERIMETER LANDSCAPED EDGE (LOT 12) = 21 SHADE TREES REQUIRED
 - 5 ACER RUBRUM 'OCTOBER GLORY'
 - 5 ACER RUBRUM 'RED SUNSET'
 - 5 QUERCUS PHELLOS/WILLOW OAK
 - 6 QUERCUS RUBRA/RED OAK
 - 1 EVERGREEN/40 LF = 32 EVERGREENS
 - 32 CUPRESSOCYPARIS LEYLANDI
- THE STREET TREE REQUIREMENTS ARE MET ALONG ROUTE 144 BY THE EXISTING TREES TO REMAIN.
- THE DEVELOPER WILL BE RESPONSIBLE FOR PLANT INSTALLATION.



NON-BUILDABLE BULK PARCEL C

NOTE: CONCEPTUAL GRADING SHOWN ON THIS SHEET IS TO SATISFY A DPZ REQUIREMENT AND IS NOT INTENDED FOR CONSTRUCTION UNDER THIS PLAN (P-96-10). FOR GRADING COVERED UNDER THIS PLAN SEE SHEETS 4, 5, 6 OF 1.

NON-BUILDABLE BULK PARCEL B

APPROVED:
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Andrew M. Quaker 2-21-96
CHIEF, BUREAU OF HIGHWAYS HBS DATE

APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Gina Mummery 2/21/96
CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH GML DATE

Chad Cummings 2/21/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE



OWNER
MR. JOSEPH B. BEARKE, et al.
414 Timbercove Circle
Longwood, FL 32779
(407)869-6717

DEVELOPER
OAK HILL PROPERTIES, L.L.C.
22560 Glenn Drive, Suite 114
Sterling, Virginia 20164
(703)406-2708
ATTN: Mr. Ralph Bice, III

ENGINEER
R.M. MOCHI GROUP, P.C.
3300 North Ridge Road, Suite 235
Ellicott City, Maryland 21043
(410)461-0079
ATTN: Mr. Robert Mochi, P.E.

PROJECT: 95005.13, 11/2/95, Engineering, LIG/PFB, LIG/BIP, scale 1" = 100', date 11/10/96

DESCRIPTION: REFORESTATION PLAN FOR LOT 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

PHASE I
CARRIAGE MILL FARMS
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
LANDSCAPE PLAN

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