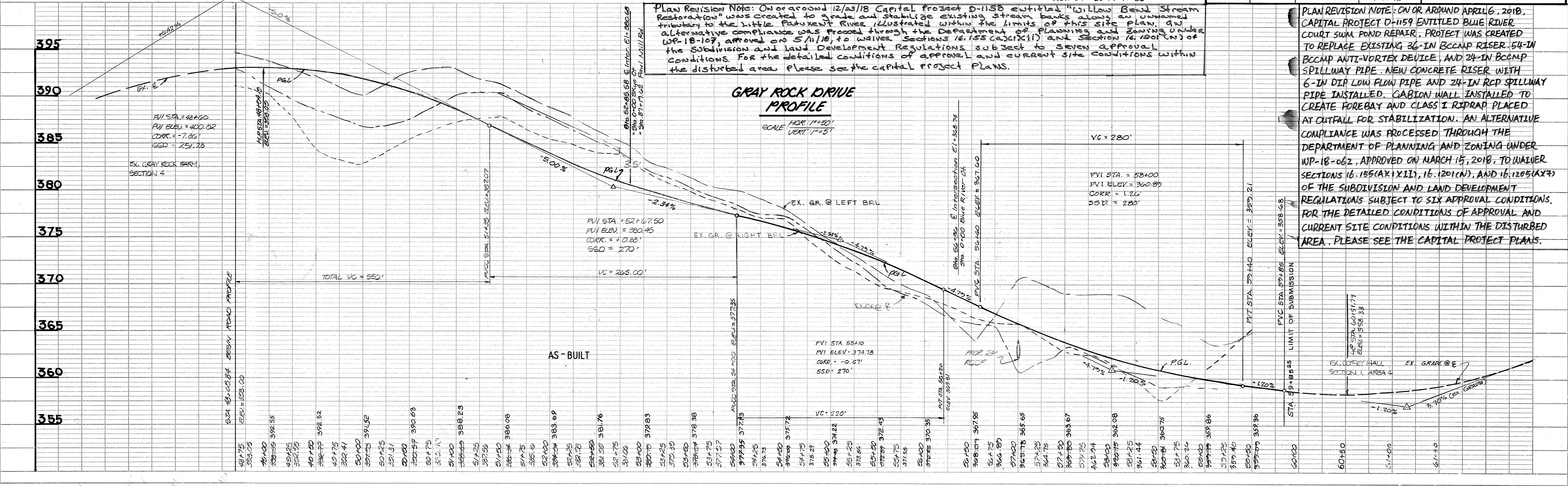


RCJ	AS-BUILT	DATE
W/G	Rev. Storm Drain Plans 1 to 6 E-1	1-6-94
W/G	REV. PROFILE, STA 59100 TO 6100	3-1-93
BY	REVISION	DATE

**Plan Revision Note:** On or around 12/23/18 Capital Project D-1158 entitled "Willow Bend Stream Restoration" was created to grade and stabilize existing stream banks along an unnamed tributary to the Little Patuxent River illustrated within the limits of this site plan. An alternative compliance was proposed through the Department of Planning and Zoning under WP-18-107, approved on 5/11/18, to waive Sections 16.158 (a)(1)(i) and Section 16.1201 (n) of the Subdivision and Land Development Regulations subject to seven approval conditions. For the detailed conditions of approval and current site conditions within the disturbed area please see the capital project plans.

**PLAN REVISION NOTE:** ON OR AROUND APRIL 6, 2018, CAPITAL PROJECT D-1159 ENTITLED BLUE RIVER COURT SWIM POOL REPAIR, PROJECT WAS CREATED TO REPLACE EXISTING 36-IN BCCMP RISER, 64-IN BCCMP ANTI-VORTEX DEVICE, AND 24-IN BCCMP SPILLWAY PIPE. NEW CONCRETE RISER WITH 6-IN DIP LOW FLOW PIPE AND 24-IN RCP SPILLWAY PIPE INSTALLED. GABION WALL INSTALLED TO CREATE FOREBAY AND CLASS I RIPRAP PLACED AT OUTFALL FOR STABILIZATION. AN ALTERNATIVE COMPLIANCE WAS PROCESSED THROUGH THE DEPARTMENT OF PLANNING AND ZONING UNDER WP-18-062, APPROVED ON MARCH 15, 2018, TO WAIVER SECTIONS 16.158 (A)(1)(I), 16.1201 (N), AND 16.1205 (A)(7) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS SUBJECT TO SIX APPROVAL CONDITIONS. FOR THE DETAILED CONDITIONS OF APPROVAL AND CURRENT SITE CONDITIONS WITHIN THE DISTURBED AREA, PLEASE SEE THE CAPITAL PROJECT PLANS.



242



PLAN	DATE
BY	
NO.	

PROFILE	DATE
BY	
NO.	

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Chief, Land Development Division  
 Chief, Bureau of Highways  
 Chief, Bureau of Engineering

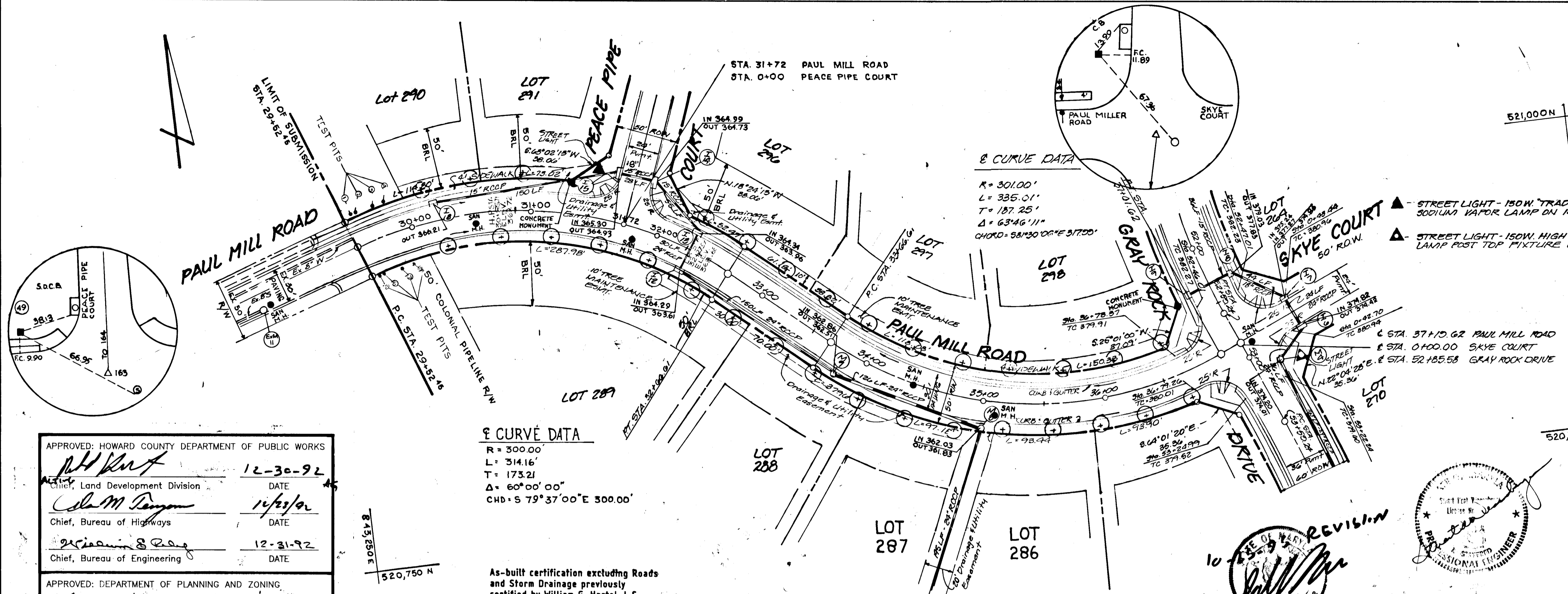
12-30-92  
 1/4/93  
 12-31-92

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 Chief, Division of Community Planning and Land Development

1/7/93

As-built certification excluding Roads and Storm Drainage previously certified by William G. Hartel, Inc. on December 6, 1994.

John B. Milderberg, P.E.  
 STATE OF MARYLAND  
 PROFESSIONAL ENGINEER



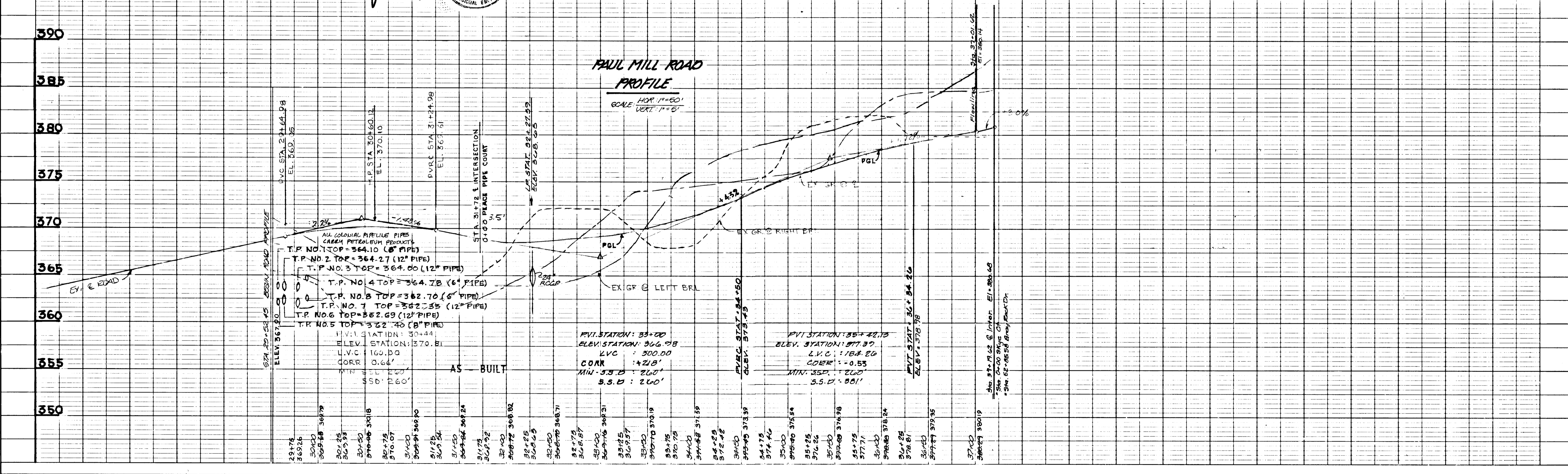
"PAUL MILL ROAD"

TITLE	ROAD CONSTRUCTION PLAN
PROJECT	GRAY ROCK FARM SECTION 6
LOCATION	2ND ELECTION DISTRICT HOWARD CO. MD
SCALE	AS SHOWN
DESIGNED BY	MMH/UCO
DRAWN BY	
CHECKED BY	
DATE	
FIELD BOOK	PAGE NO. JOB NO. DRAWING NO.
	8052 2 OF 12

boender associates inc.  
 consulting engineers  
 land surveyors  
 land planners

3230 BETHANY LANE  
 ELLICOTT CITY, MD 21043  
 (301) 465-7777

- GENERAL NOTES
- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications, if applicable.
  - 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.
  - The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
  - Total tract area is 31.764 Ac. with 49 proposed lots. The preliminary plan was approved on June 28, 1991.
  - 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.
  - A field run survey was conducted by Boender Associates, Inc. on or about Sept. of 1989.
  - Light poles and fixtures for street lights shall be in accordance with the latest Howard County Design Manual, Volume II Roads and Bridges.
  - Water and sewer to be provided will be a public system.  
 Water - 24-1730-D  
 Sewer - 24-1730-B  
 The drainage area for this site is Little Patuxent.
  - No floodplain on site.
  - Stormwater management will be a retention facility.
  - The wetlands delineation study was performed by Landscape on July 28, 1989.
  - The geotechnical report was prepared by Froehling and Robertson, Inc in August of 1989.
  - Existing utilities were located by field run survey and approved County drawings.
  - SWM SOIL BORINGS WILL BE TAKEN IN CENTER OF POND PRIOR TO POND CONSTRUCTION TO CONFIRM DEPTH OF GROUND WATER. SOIL ENGINEER AND CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO BEGINNING POND CONSTRUCTION.



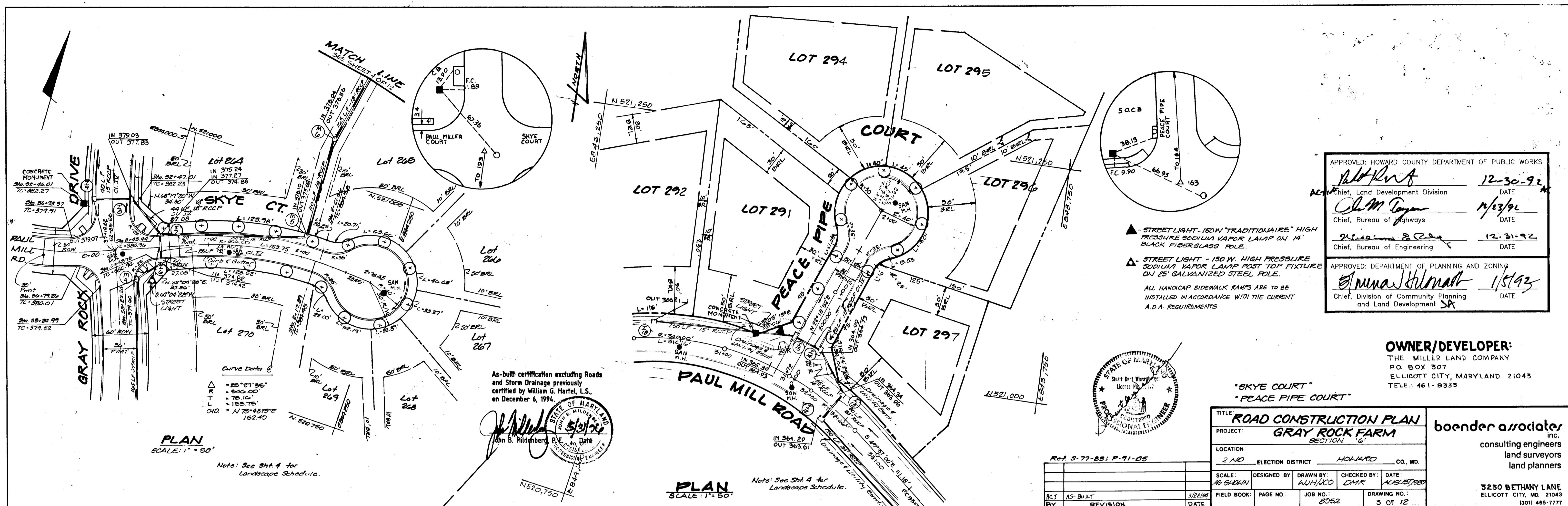
242

F-93-164



DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PLAN NOTE BOOK NO. \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLANNED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PROFILE NOTE BOOK NO. \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLANNED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Chief, Land Development Division DATE: 12-30-92

Chief, Bureau of Highways DATE: 1/13/93

Chief, Bureau of Engineering DATE: 12-31-92

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Division of Community Planning and Land Development DATE: 1/5/93

**OWNER/DEVELOPER:**  
 THE MILLER LAND COMPANY  
 P.O. BOX 307  
 ELLICOTT CITY, MARYLAND 21043  
 TELE: 461-9335

**boender associates inc.**  
 consulting engineers  
 land surveyors  
 land planners

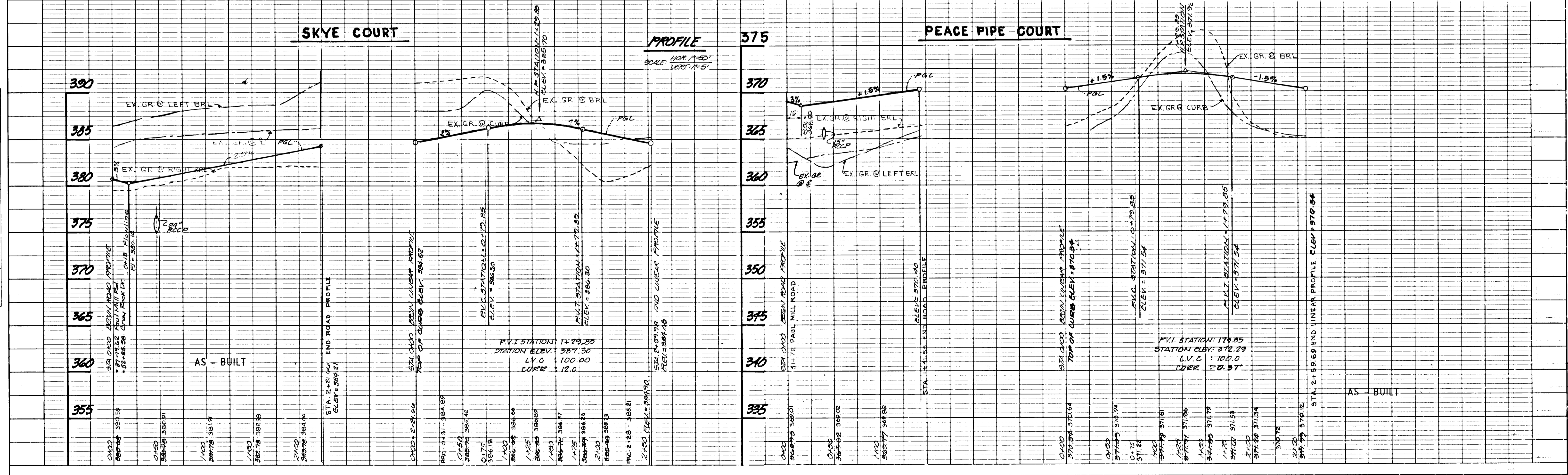
5230 BETHANY LANE  
 ELLICOTT CITY, MD. 21043  
 (301) 465-7777

**TITLE: ROAD CONSTRUCTION PLAN**  
**PROJECT: GRAY ROCK FARM SECTION 'G'**

LOCATION: 2 ND ELECTION DISTRICT HOLLAND CO. MD.

SCALE: AS SHOWN DESIGNED BY: WJH/JCO DRAWN BY: CDMR CHECKED BY: ALB/ETP DATE: 1/13/93

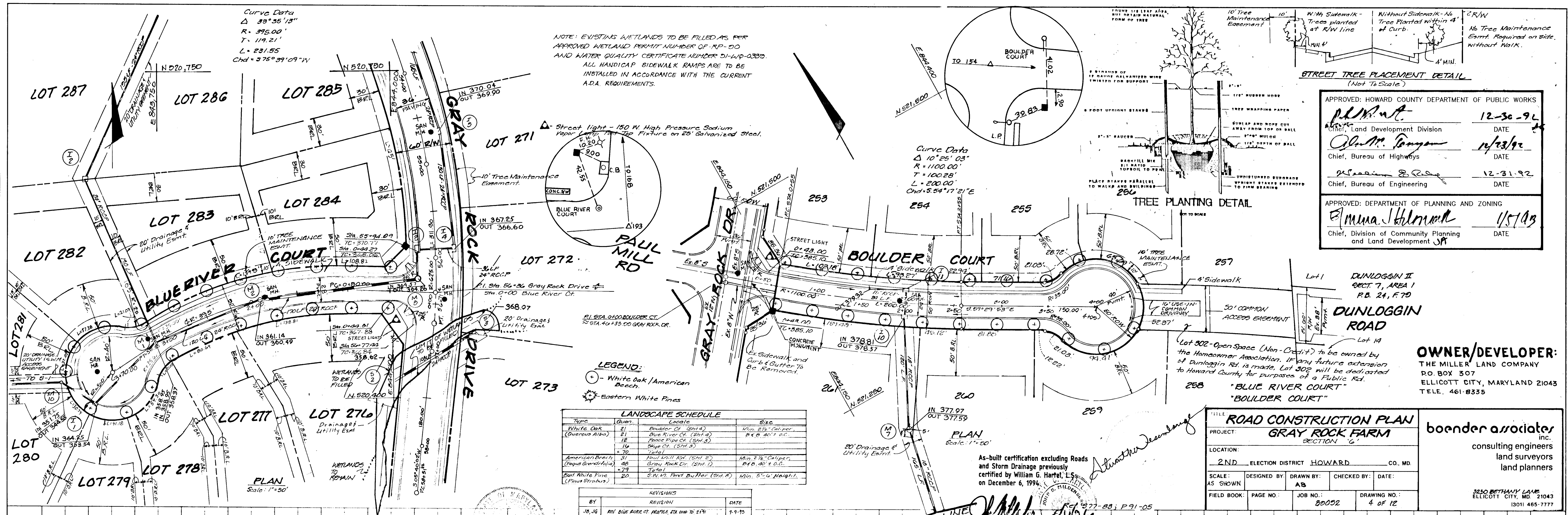
FIELD BOOK: PAGE NO.: 8052 JOB NO.: 8052 DRAWING NO.: 3 OF 12





PLAN  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_

PROFILE  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*[Signature]* 12-30-92  
 Chief, Land Development Division DATE

*[Signature]* 12/31/92  
 Chief, Bureau of Highways DATE

*[Signature]* 12-31-92  
 Chief, Bureau of Engineering DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 1/5/93  
 Chief, Division of Community Planning and Land Development DATE

**OWNER/DEVELOPER:**  
 THE MILLER LAND COMPANY  
 P.O. BOX 507  
 ELLICOTT CITY, MARYLAND 21043  
 TELE. 461-8335

**ROAD CONSTRUCTION PLAN**  
**GRAY ROCK FARM**  
 SECTION "G"

PROJECT: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 SCALE: \_\_\_\_\_  
 AS SHOWN: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

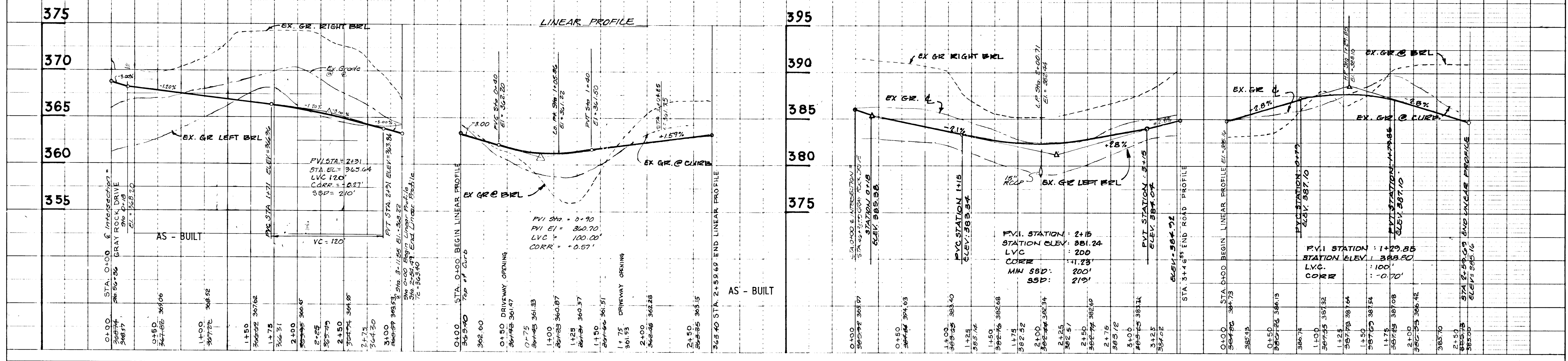
FIELD BOOK: \_\_\_\_\_ PAGE NO.: \_\_\_\_\_ JOB NO.: 80032 DRAWING NO.: 4 OF 12

boender associates inc.  
 consulting engineers  
 land surveyors  
 land planners

3250 BETHANY LAKE  
 ELLICOTT CITY, MD 21043  
 13011 465-7777

**BLUE RIVER COURT**

**BOULDER COURT**



242

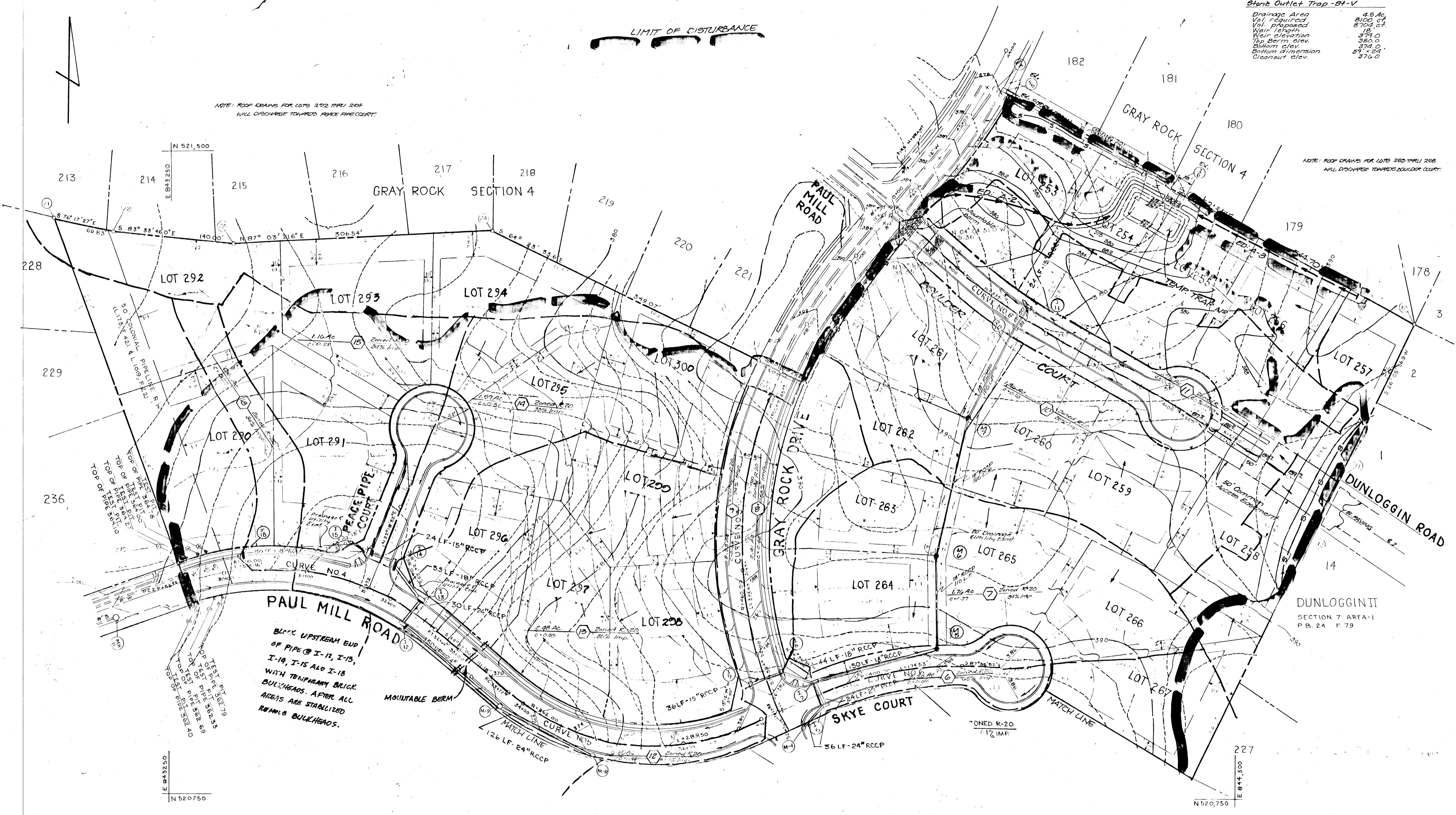
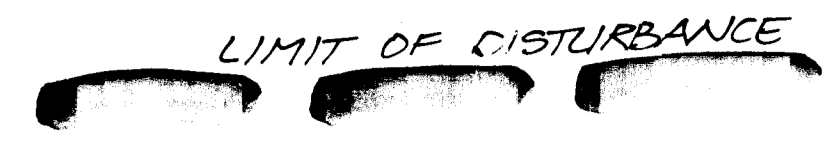


Temp. Trap No 1  
Stand Outlet Trap - 81-V

Drainage Area	4.8 Ac
Vol. required	8100 cft
Vol. proposed	8700 cft
Weir length	18
Weir elevation	371.0
Top Berm elev.	380.0
Bottom elev.	374.0
Bottom dimension	39' x 24'
Cleanout elev.	376.0

NOTE: ROOF DRAINS FOR LOTS 292 THRU 294  
WILL DISCHARGE TOWARDS POPE FIRE COURT.

NOTE: ROOF DRAINS FOR LOTS 262 THRU 268  
WILL DISCHARGE TOWARDS BOULDER COURT.



Block UPSTREAM END  
OF PIPE @ I-12, I-13,  
I-14, I-15 AND I-18  
WITH TEMPORARY BRICK  
BULLHEADS. AFTER ALL  
AREAS ARE STABILIZED  
REMOVE BULLHEADS.

Approved: Howard County Department of Public Works  
*[Signature]* 12-30-92  
Chief, Land Development Division  
*[Signature]* 12/16/92  
Chief, Bureau of Highways  
*[Signature]* 12-31-92  
Chief, Bureau of Engineering

Approved: Department of Planning And Zoning  
*[Signature]* 1/5/93  
Chief, Division of Community Planning  
and Land Development

**Developer'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 of a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project. I will 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 inspection by the Howard Soil Conservation District."

Paul L. Miller 6/12/92  
Developer 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 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 an "As-Built" Plan of the pond within 30 days of completion."

*[Signature]* 6-17-92  
Engineer Date

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

*[Signature]* 12/17/92  
Howard Soil Conservation District

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

*[Signature]* 12/17/92  
Howard Soil Conservation District

**OWNER/DEVELOPER:**  
THE MILLER LAND COMPANY  
P.O. BOX 307  
ELLICOTT CITY, MARYLAND 21043  
TELE 461-6335

Ref: 977-83; P41-05  
**TITLE: GRADING & SEDIMENT CONTROL PLANS**  
PROJECT: GRAY ROCK FARM, SECTION G  
LOCATION: 2nd ELECTION DISTRICT, Howard, CO, MD  
SCALE: 1"=50'  
DESIGNED BY: JCO  
DRAWN BY: JCO/LWS  
CHECKED BY: SW/LJB  
DATE: June 1992  
FIELD BOOK: PAGE NO: JOB NO: 81052 DRAWING NO: 5 OF 12

**Boandier Associates**  
3230 BETHANY LANE  
ELLICOTT CITY, MD 21043  
(301) 465-7777 FAX: (301) 465-7966

242

F-92-164



NO.	COORDINATE	SOUTH	WEST
1	52126.54	845942.05	
2	52123.19	845926.94	
3	52137.23	844088.62	
4	52138.51	844092.55	
5	52138.03	844127.59	
6	52142.80	844160.55	
7	52145.07	844167.83	
8	52146.25	844160.67	
9	52157.00	844239.40	
10	52130.85	844714.76	
11	52115.44	844626.87	
12	521074.60	844600.52	
13	520542.17	844339.53	
14	520181.75	844287.03	
15	52014.99	844052.10	
16	52016.03	843992.28	
17	520124.21	843575.74	
18	520256.77	843533.65	
19	520981.91	843274.89	
20	521029.00	843258.11	
21	521432.96	843114.15	
22	521416.35	843182.09	
23	521400.65	843211.11	
24	521416.40	843272.29	

**TEMP TRAP #2  
STONE OUTLET TRAP-ST-V**  
 DRAINAGE AREA 6.6 AC  
 VOL. REQUIRED 11,880 CF  
 VOL. PROVIDED 12,000 CF @ ELEV. 358.0  
 WEIR LENGTH 10'  
 WEIR ELEV. 358.0  
 TOP BERM ELEV. 362.3  
 BOTTOM ELEV. 358.0  
 BOTTOM DIMENSION SEE PLAN  
 CLEANOUT ELEV. 356.0  
 DESIGN DEPTH 4'

**Developer's Certificate**  
 "I/We certify that all development and/or construction will be done according to these plans, and that any responsible person(s) involved in the construction project will have a certificate of attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project. I will provide the Howard Soil Conservation District with an As-Built plan of the pond within 30 days of completion. As also authorized, periodic on-site inspection by the Howard Soil Conservation District."

Paul L. Miller  
 Developer  
 6/17/92  
 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 the plans I provide were prepared in accordance with an 'As-Built' plan of the pond within 30 days of completion."

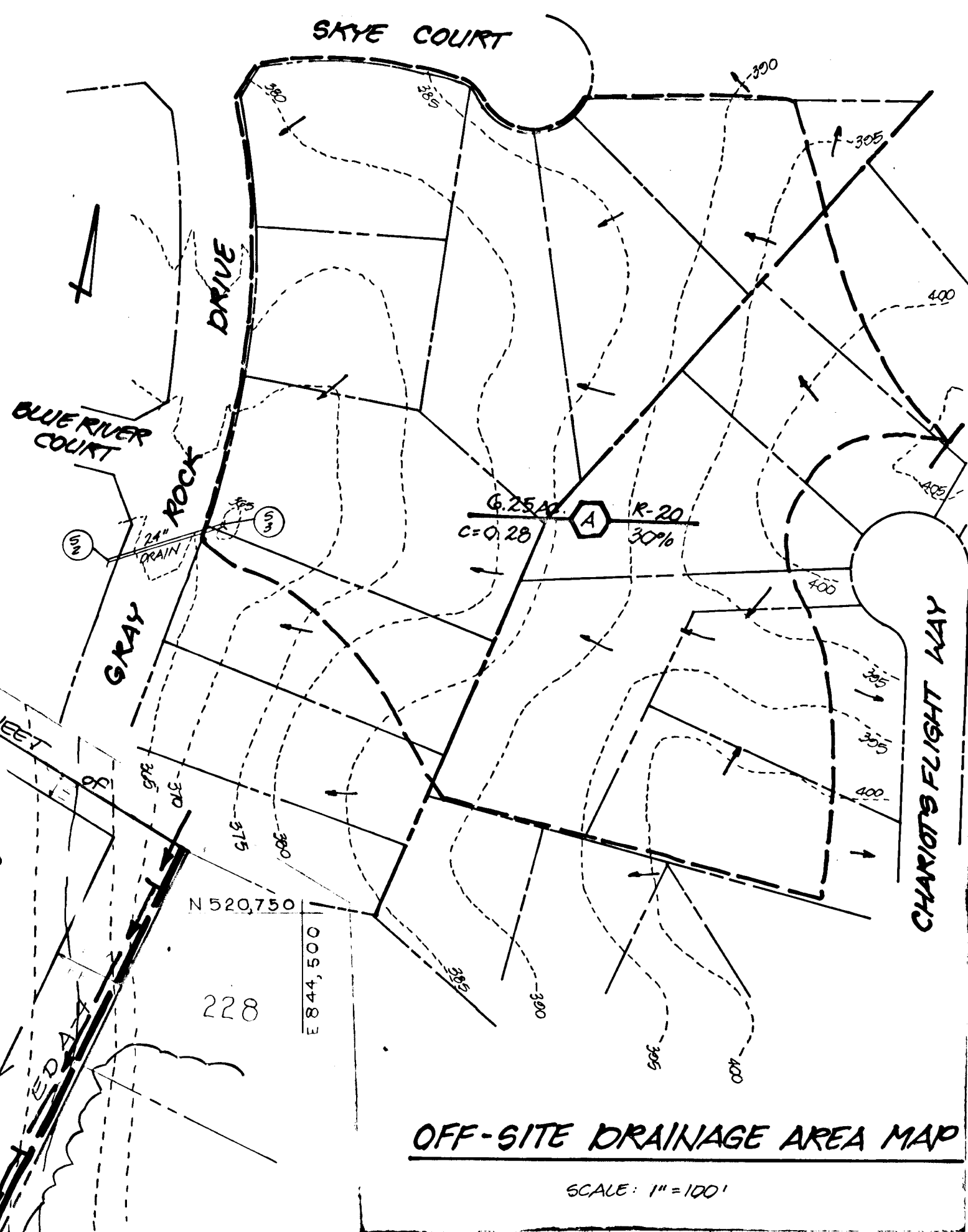
Shirley S. Miller  
 Engineer  
 6-17-92  
 Date

As-built certification excluding Roads and Storm Drainage previously certified by William G. Hartel, L.S., on December 6, 1994.

Ann B. Hildenberg, P.E.  
 Date

- LEGEND:**
- Limit of Disturbance
  - - - Trap Grading
  - - - Wetland/Tree Protection Fencing
  - ..... EXISTING WETLANDS
  - ===== WETLANDS TO BE FILLED

NOTE: EXISTING WETLANDS TO BE FILLED AS PER APPROVED PERMIT NUMBER OP-RP-20 AND WATER QUALITY CERTIFICATE NUMBER 01-WQ-0395.



**OFF-SITE DRAINAGE AREA MAP**  
 SCALE: 1"=100'

NOTES:  
 1. Where Tree/Wetland Protection Fence is called for on plan (Symbol ---), the fence is to be placed at the limit of disturbance.

**TEMP TRAP #4  
STONE OUTLET TRAP**  
 D.A. 2.0 AC  
 Vol. Required 4680 CF  
 Vol. Provided 4704 CF  
 Weir Length 11'  
 Weir Elev. 369.00  
 Top Elev. 368.00  
 Bottom Elev. 364.00  
 Bottom Dim. 44' x 14'  
 Cleanout 366.00'  
 DESIGN DEPTH 4'

These plans have been reviewed for the Howard Soil Conservation District and meet technical requirements for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.  
 12/17/92  
 Date

Approved: Howard County 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 Community Planning and Land Development

**OWNER/DEVELOPER:**  
 THE MILLER LAND COMPANY  
 P.O. BOX 307  
 ELLICOTT CITY, MARYLAND 21043  
 TEL: 461-8335

GRADING & SEDIMENT CONTROL PLANS			
<b>GRAY ROCK FARM SECTION 6</b>			
PROJECT	ELECTION DISTRICT: Howard CO MD		
LOCATION	2nd		
SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
1"=50'	JCO	LUG	SW/10
DATE	June 1992		
FIELD BOOK	PAGE NO.	JOB NO.	DRAWING NO.
		87052	6 OF 12

**Boender Associates**  
 3300 E. HANRY LANE  
 ELLICOTT CITY, MD 21043  
 (301) 461-7777 FAX: (301) 461-7766

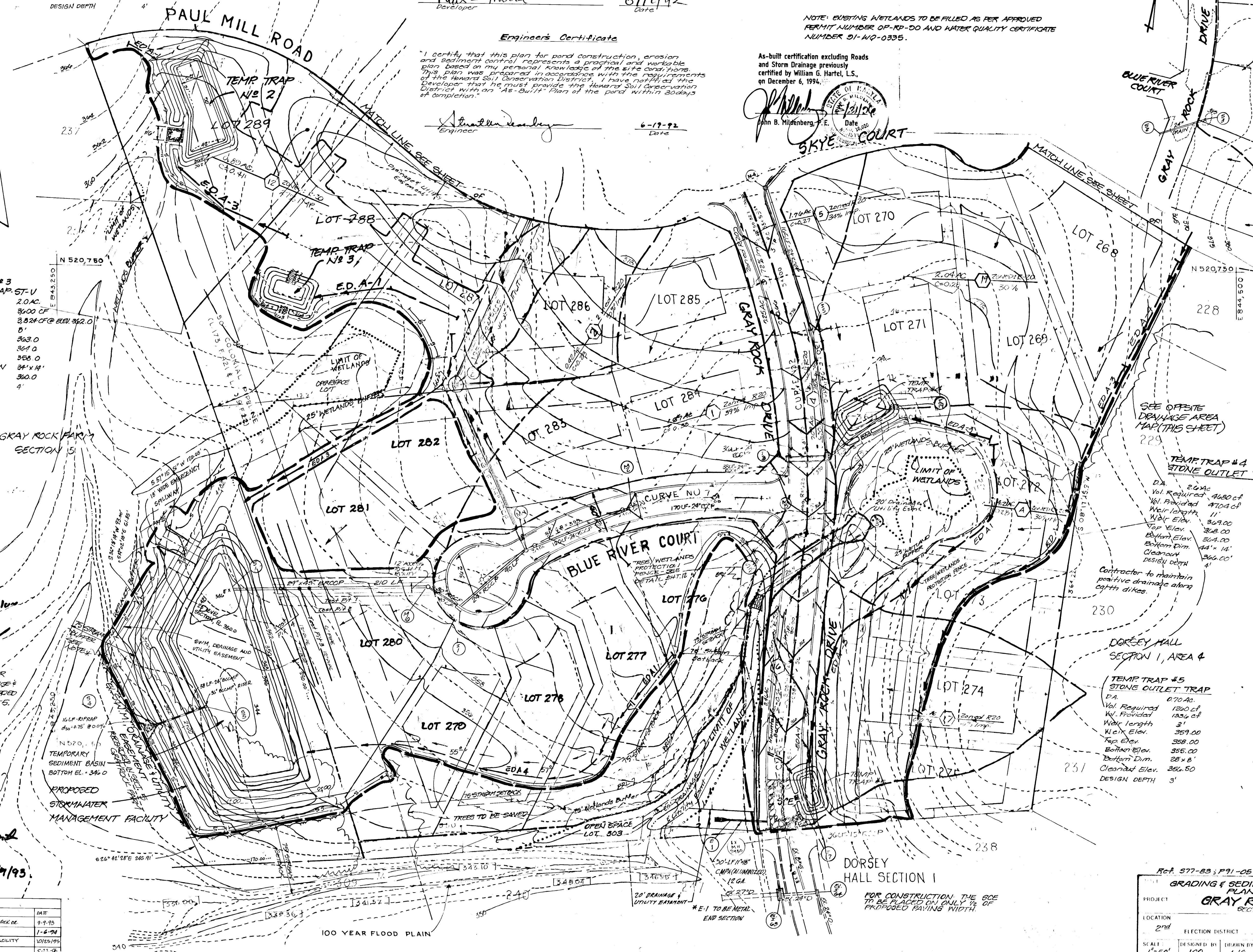
P-92-164

**TEMP TRAP #3  
STONE OUTLET TRAP-ST-V**  
 DRAINAGE AREA 2.0 AC  
 VOL. REQUIRED 3600 CF  
 VOL. PROVIDED 3,824 CF @ ELEV. 362.0  
 WEIR LENGTH 0'  
 WEIR ELEV. 363.0  
 TOP BERM ELEV. 364.0  
 BOTTOM ELEV. 358.0  
 BOTTOM DIMENSION 34' x 14'  
 CLEANOUT ELEV. 360.0  
 DESIGN DEPTH 4'

10-25-93 REVISION  
 1/10/93  
 FOR REV. DATED 9/1/93

9/10/93  
 FOR REV. DATED 9/1/93

BY	REVISION	DATE
JG	REVISED CHANNEL IN BLUE RIVER CREEK & GRAY ROCK DRIVE	9-9-93
WJS	REVISED CHANNEL TO SWM FACILITY	1-6-94
WCB	ADDED 344 CONTOUR TO SWM FACILITY	10/25/95
RCJ	AS-BUILT FOR SWM FACILITY	5-22-96

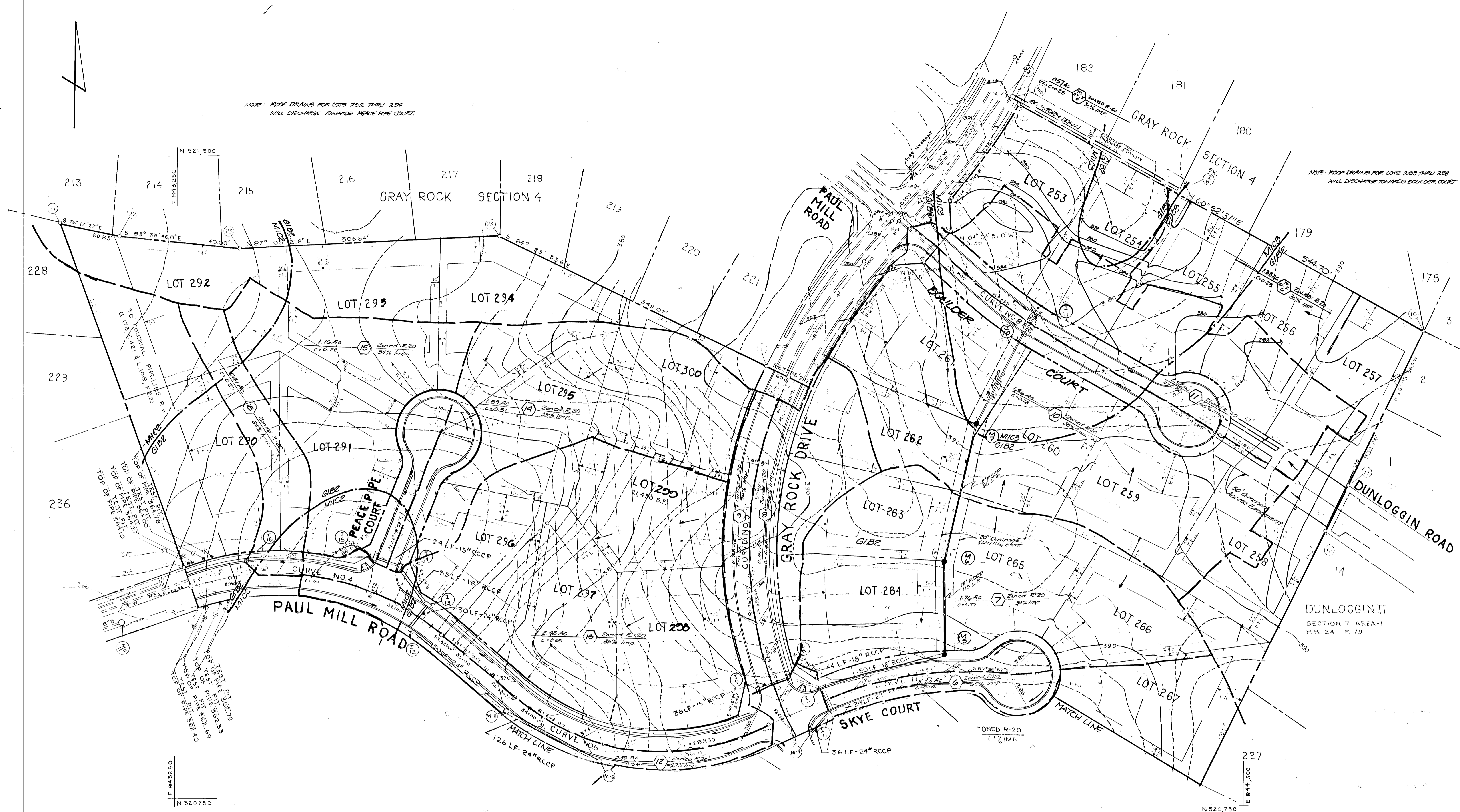


100 YEAR FLOOD PLAIN  
 24" DRAINAGE UTILITY EMBANKMENT  
 \*E-1 TO BE METAL END SECTION  
 FOR CONSTRUCTION, THE GSE TO BE PLACED ON FULLY 1/2" OF PROPOSED PAVING WIDTH



NOTE: ROOF DRAINS FOR LOTS 292 THRU 294  
WILL DISCHARGE TOWARDS PEACE PIPE COURT.

NOTE: ROOF DRAINS FOR LOTS 253 THRU 258  
WILL DISCHARGE TOWARDS BOULDER COURT.



**Developer'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 Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project. I will 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 inspection by the Howard Soil Conservation District.

Paul L. Miller  
Developer  
6/14/92  
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 must provide the Howard Soil Conservation District with an "As-Built" Plan of the pond within 30 days of completion.

Shirley J. Dancy  
Engineer  
6-19-92  
Date

Approved: Howard County Department of Public Works  
12-30-92  
Date  
Chief, Land Development Division  
12/23/92  
Date  
Chief, Bureau of Highways  
12-31-92  
Date  
Chief, Bureau of Engineering  
1/5/93  
Date  
Approved: Department of Planning and Zoning  
1/5/93  
Date  
Chief, Division of Community Planning and Land Development

**OWNER/DEVELOPER:**  
THE MILLER LAND COMPANY  
P.O. BOX 307  
ELLCOTT CITY, MARYLAND 21043  
TELE: 461-8335

Ref. S71-83; P91-05

TITLE <b>DRAINAGE AREA MAP</b>	
PROJECT <b>GRAY ROCK FARM, SECTION G</b>	
LOCATION 202	ELECTION DISTRICT Howard
SCALE 1"=50'	DESIGNED BY JCO/LWS
FIELD BOOK PAGE NO.	DRAWN BY JCO/LWS
JOB NO. 89092	CHECKED BY JN/LJS
DRAWING NO. 7 OF 12	DATE June 1992

**Boender Associates**  
ENGINEERS, PLANNERS, SURVEYORS  
3230 BETHANY LANE  
ELLCOTT CITY, MD. 21043  
(301) 465-7777 FAX: (301) 465-7966

242



NO.	NORTH	EAST
1	521265.56	843942.05
2	521239.19	843926.94
3	521379.25	844088.62
4	521383.51	844092.33
5	521386.03	844127.59
6	521423.80	844160.38
7	521459.07	844167.83
8	521462.35	844160.67
9	521573.00	844239.40
10	521308.15	844714.76
11	521135.44	844626.87
12	521074.60	844600.52
13	520542.17	844339.53
14	520181.75	844287.03
15	520164.99	844052.10
16	520160.13	843992.28
17	520124.31	843575.74
18	520256.77	843533.65
19	520981.91	843274.89
20	521029.00	843258.11
21	521432.90	843114.15
22	521416.35	843182.00
23	521430.65	843321.11
24	521416.40	843627.25

**SOIL CLASSIFICATION**

- MIC2 Minor Loam, 8-15% Slopes, Mod. eroded.
- MIC3 " " " " " Severely eroded.
- GIB2 Glenelg Loam, 5-8% Slopes, Mod. eroded.
- GnB2 Glenville Silt Loam, 3-8% Slopes, Mod. eroded.

**Developer's Certificate**

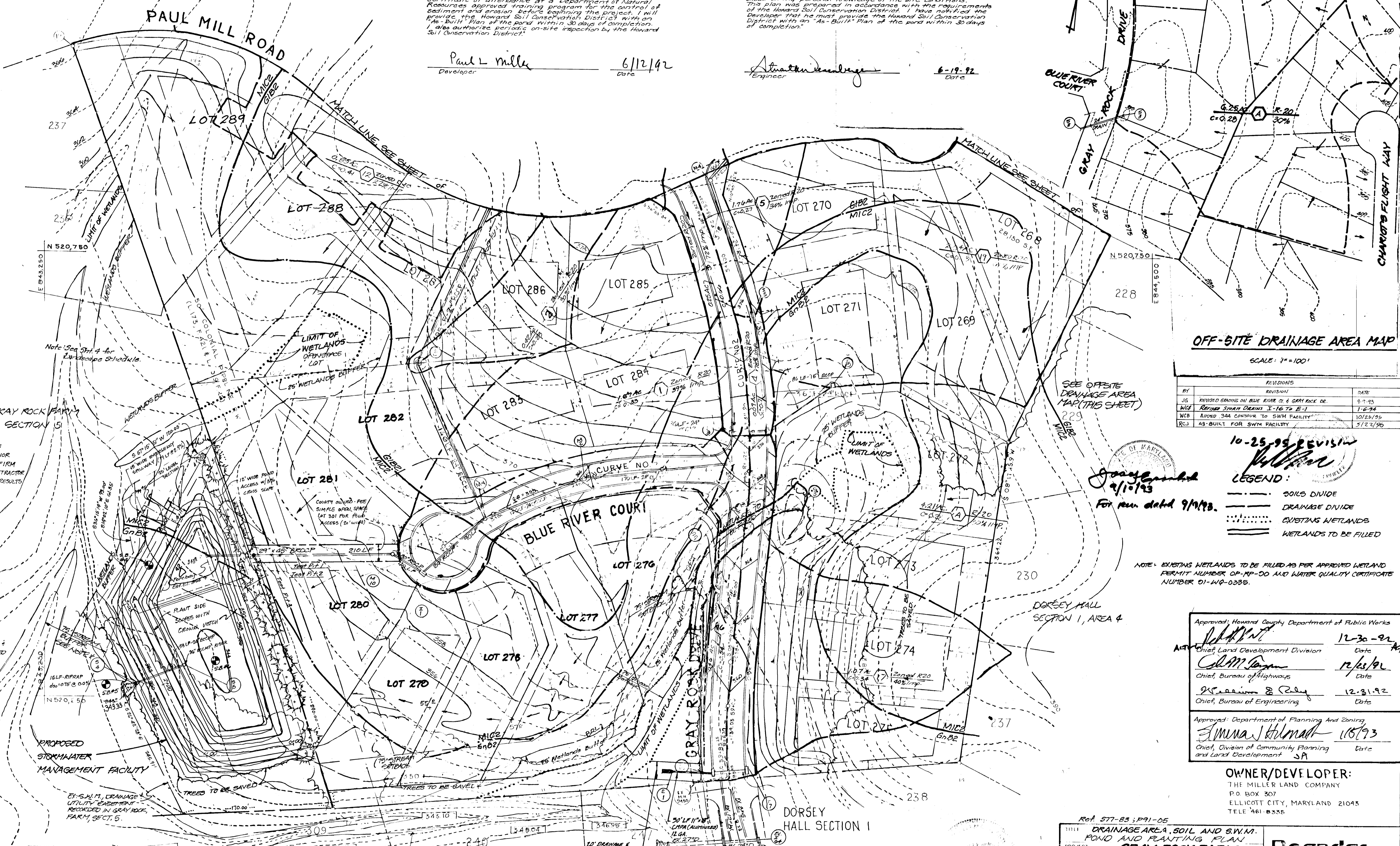
"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project. I will 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 inspection by the Howard Soil Conservation District."

Paul L Miller 6/12/92  
Developer 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 must provide the Howard Soil Conservation District with an "As-Built" Plan of the pond within 30 days of completion."

Stratton Landrege 6-19-92  
Engineer Date



**OFF-SITE DRAINAGE AREA MAP**

SCALE: 1" = 100'

REVISIONS	DATE
BY JG REVISED GRADING ON BLUE RIVER CT & GRAY ROCK DR.	9-9-93
WCB REVISED SWAMP DRAINING I-16 TO E-1	1-6-94
WCB ADDED SWAMP CONTOUR TO SWIM FACILITY	10/25/95
RCJ AS-BUILT FOR SWIM FACILITY	5/23/96

10-25-95 REVISION  
*Stratton Landrege*  
**LEGEND:**  
 --- SOILS DIVIDE  
 --- DRAINAGE DIVIDE  
 ... EXISTING WETLANDS  
 --- WETLANDS TO BE FILLED

NOTE: EXISTING WETLANDS TO BE FILLED AS PER APPROVED WETLAND PERMIT NUMBER OP-RP-00 AND WATER QUALITY CERTIFICATE NUMBER 01-WQ-0335.

Approved: Howard County Department of Public Works

*John W. ...* 12-30-92  
 Chief, Land Development Division Date

*Calvin ...* 12/26/92  
 Chief, Bureau of Highways Date

*William ...* 12-21-92  
 Chief, Bureau of Engineering Date

Approved: Department of Planning and Zoning

*Anna ...* 11/27/93  
 Chief, Division of Community Planning and Land Development SA Date

**OWNER/DEVELOPER:**  
 THE MILLER LAND COMPANY  
 P.O. BOX 307  
 ELLICOTT CITY, MARYLAND 21043  
 TELE 461-8335

Ref. 577-83; P91-05

TITLE: DRAINAGE AREA, SOIL AND S.W.M. POND AND PLANTING PLAN  
 PROJECT: GRAY ROCK FARM SECTION 5

LOCATION: 2nd ELECTION DISTRICT Howard CO, MD

SCALE: 1" = 50' DESIGN BY JCO DRAWN BY LUG CHECKED BY SW/KO DATE June 1992

FIELD BOOK: PAGE NO. JOB NO. 87082 DRAWING NO. 8 OF 12

**Boandor Associates**  
 3930 RE THANY I AVE  
 ELLICOTT CITY, MD 21043  
 (301) 465-7777 FAX: (301) 465-7966

NOTE: SWIM SOIL BORINGS WILL BE TAKEN IN CENTER OF POND PRIOR TO POND CONSTRUCTION TO CONFIRM DEPTH OF GROUND WATER. CONTRACTOR TO CONTACT THE ENGINEER WITH RESULTS PRIOR TO CONSTRUCTING POND.

\* NOTE: 75' STREAM BUFFER IS EXEMPT S.W.M. DRAINAGE & UTILITY EASEMENT RECORDED IN GRAY ROCK FARM, SECT. 5.

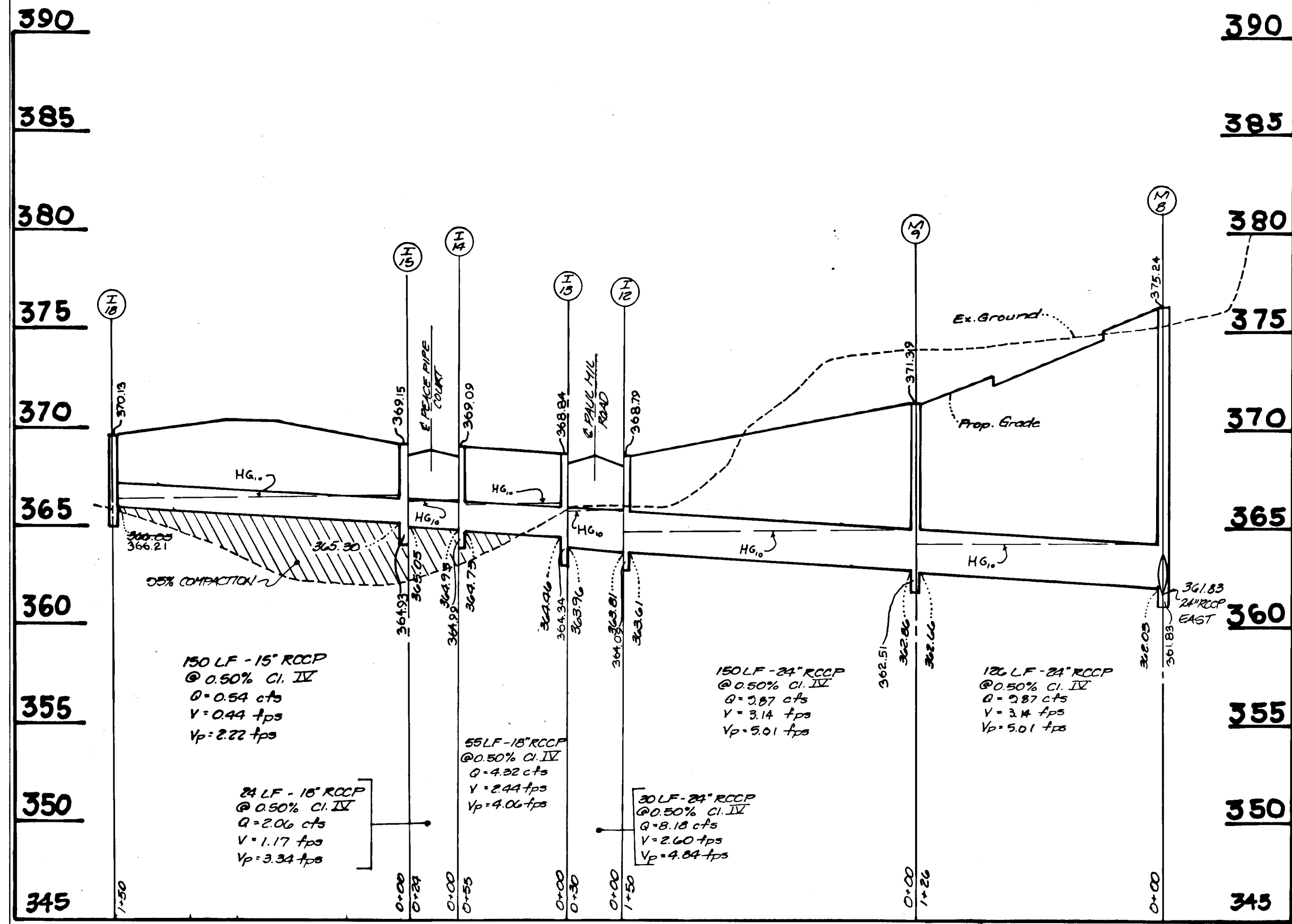
RETENTION SWIM FACILITY (INFILTRATION)  
 2YR W56 = 349.77 DA = 22.04 AC  
 10YR W56 = 349.50  
 100YR W56 = 350.82  
 BOTTOM EL. = 344.00  
 DAM EL. = 352.1 (TOP WIDTH = 2')

MAINTENANCE OF EXISTING RIPRAP CUTFALL:  
 REMOVE AND REPLACE EXISTING RIPRAP (4'x7')  
 PLACE RIPRAP TO A DEPTH OF 4.0'. CONTRACTOR TO TAKE EXTREME CARE IN DAMAGING ANY EXISTING VEGETATION AND REPLACE AT HIS COST IF DAMAGE OCCURS.

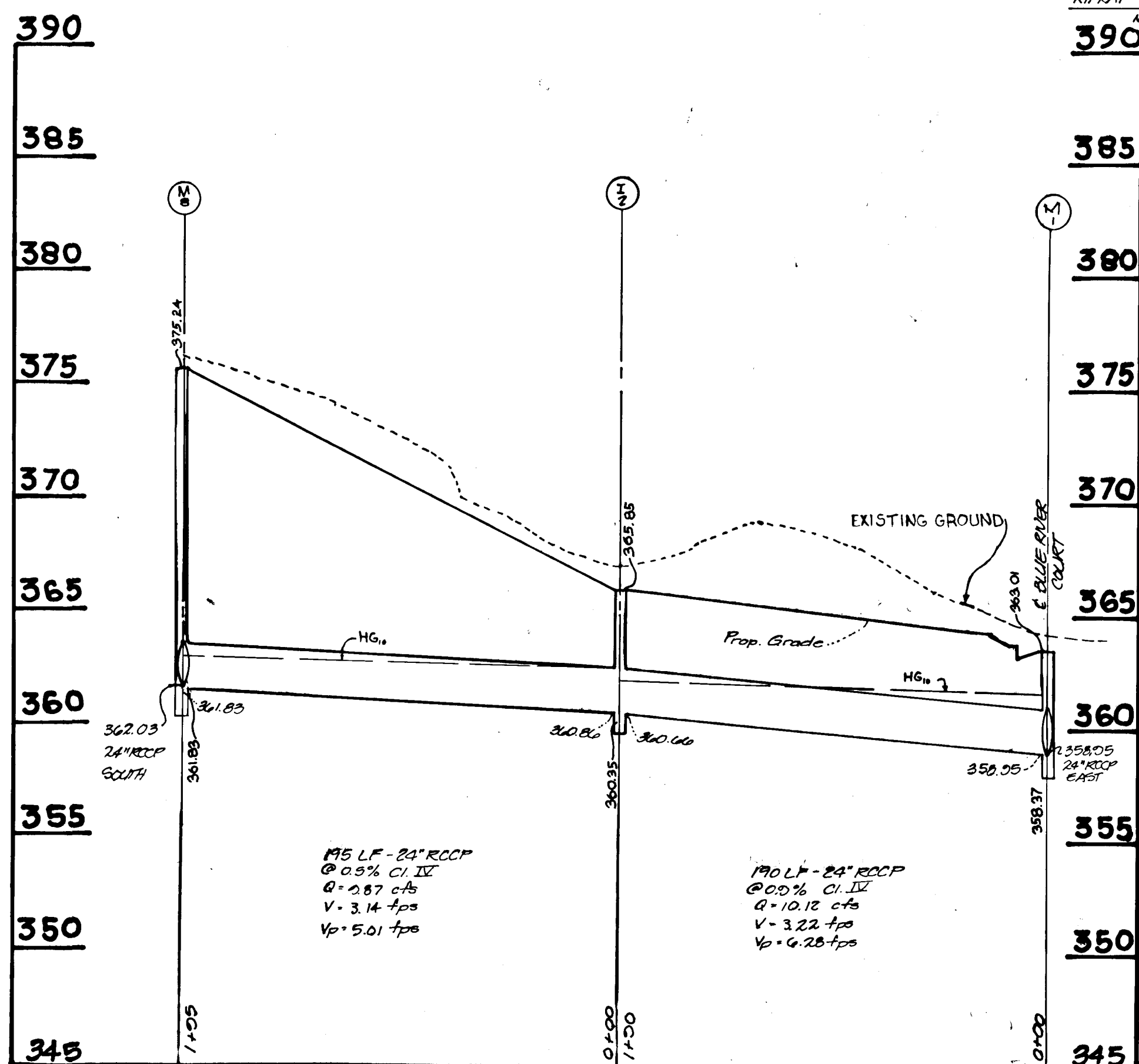
242

F-92-164

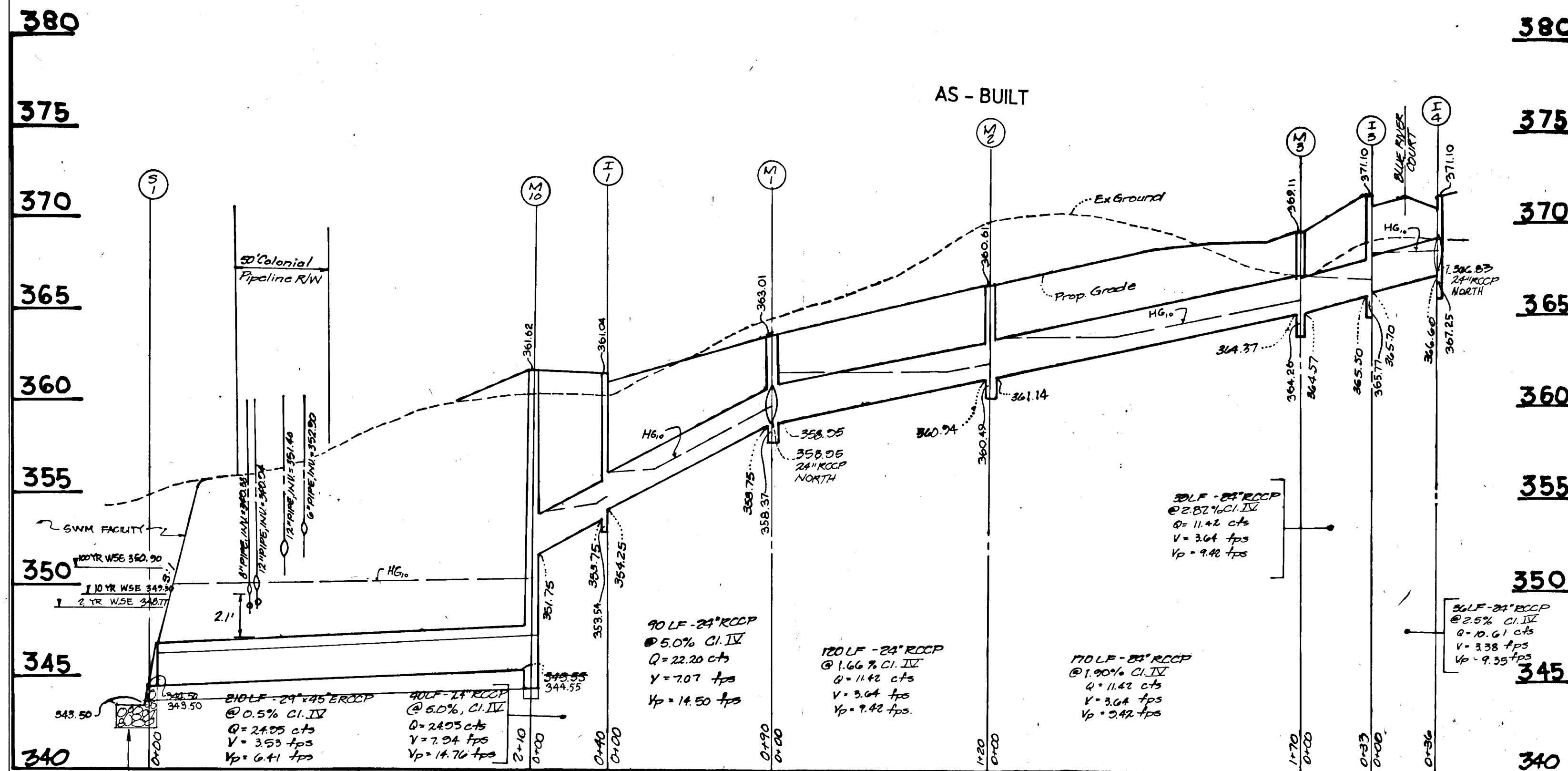




PROFILE:  
HORIZ: 1"=50'  
VERT: 1"=5'



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

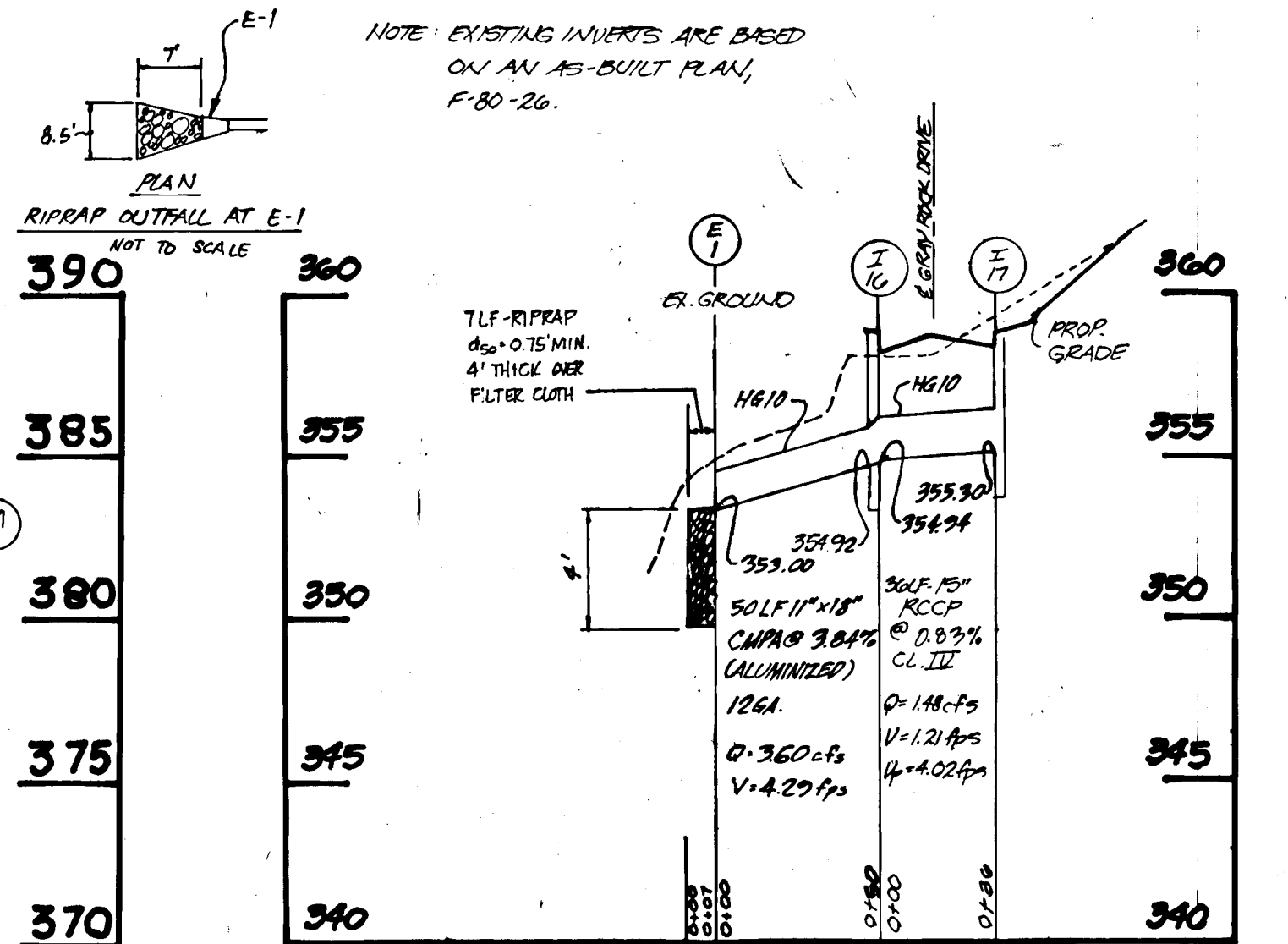


PROFILE:  
HORIZ: 1"=50'  
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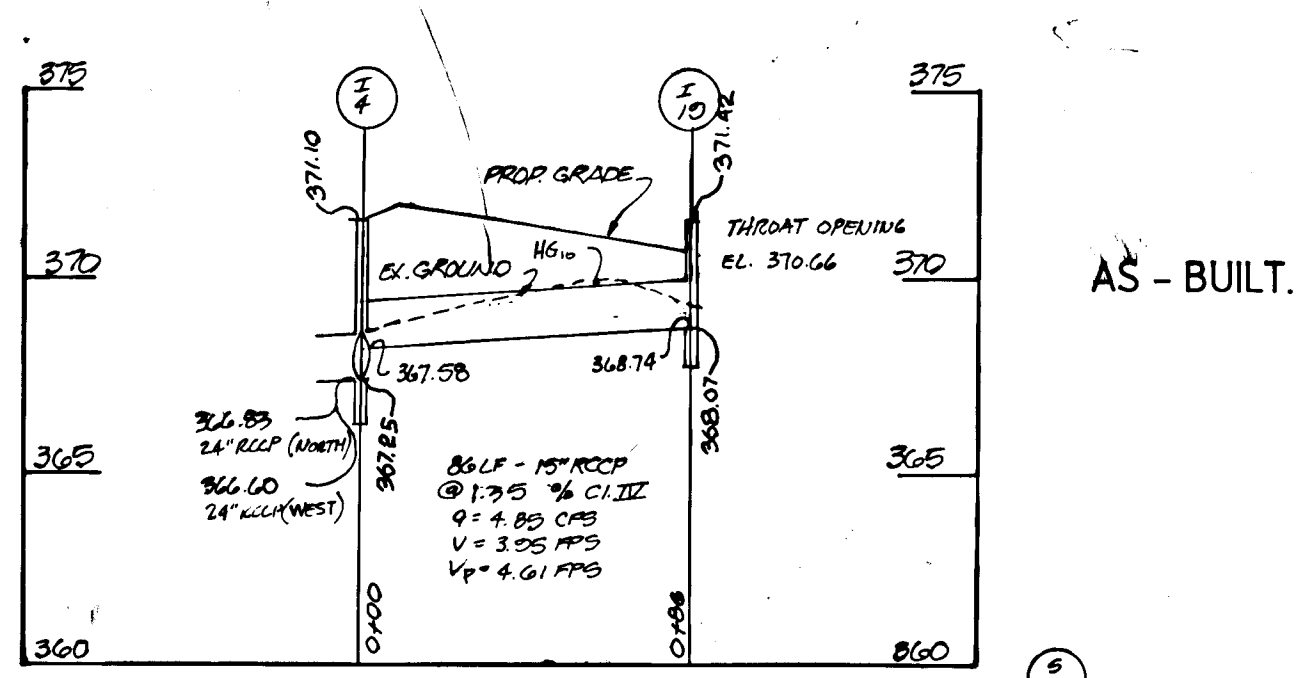
As-built certification excluding Roads and Storm Drainage previously certified by William G. Harrel, L.S., on December 6, 1992.  
John B. Hildenberg, P.E. 5/15/92

STATE OF MARYLAND  
25-95 REVISION

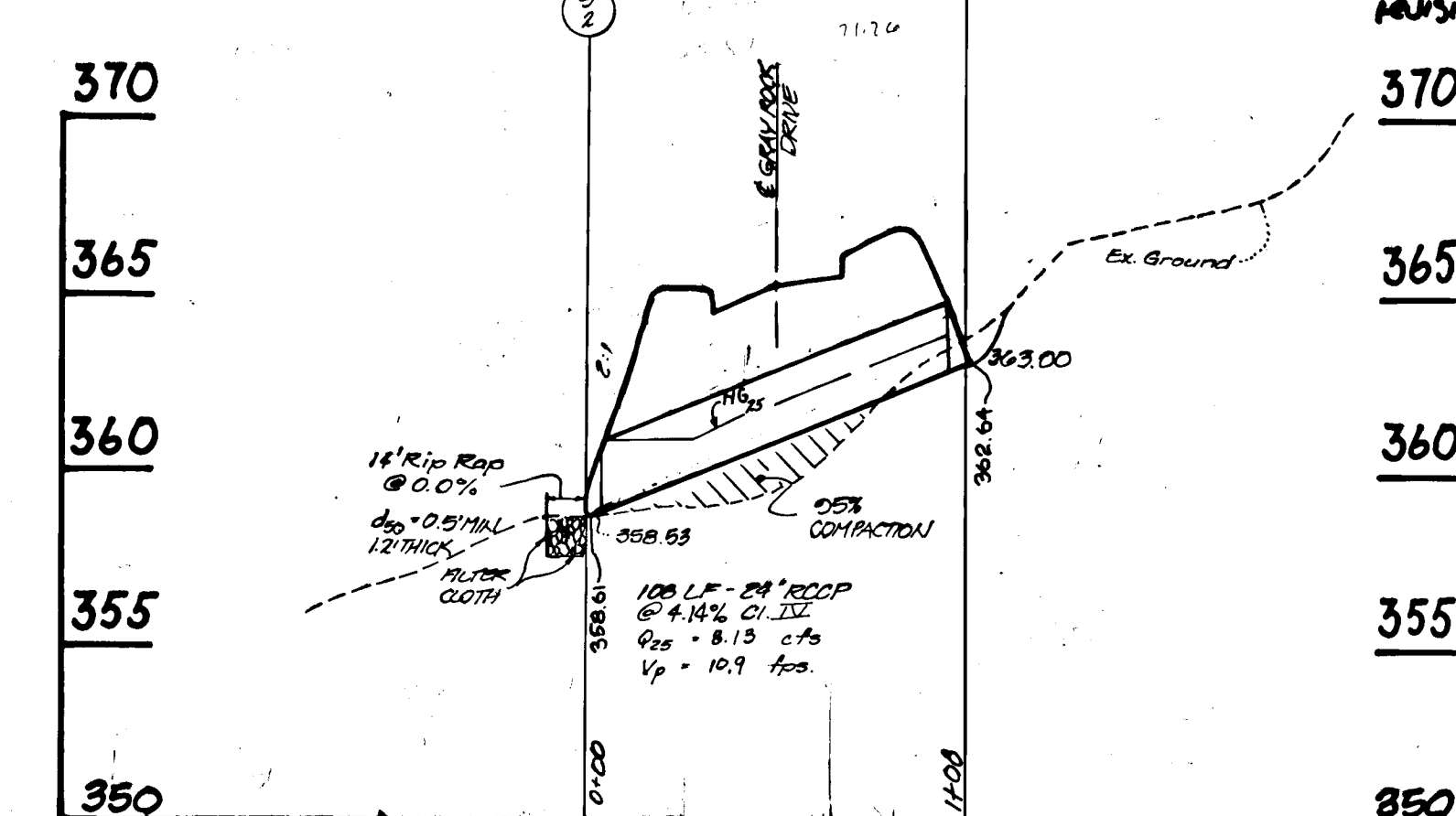
STATE OF MARYLAND  
Professional Engineer  
William G. Harrel, License No. 12712



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



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



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

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

*John M. Talm* 12/17/92  
Conservation Service DATE

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

*Robert J. Zich* 12/17/92  
Howard Soil Conservation District DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*John M. Talm* 12-30-92  
Land Development Division DATE

*John M. Talm* 12/23/92  
Chief, Bureau of Highways DATE

*John M. Talm* 12-31-92  
Chief, Bureau of Engineering DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Elmwood Howard* 1/5/93  
Chief, Division of Community Planning and Land Development DATE

DEVELOPER'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 Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project. I will 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 inspection by the Howard Soil Conservation District."

*Paul L. Miller* 6/12/92  
Developer 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 must provide the Howard Soil Conservation District with an "As-Built" Plan of the pond within 30 days of completion."

*Stuart L. Dumbly* 6-19-92  
Engineer DATE

OWNER/DEVELOPER  
THE MILLER LAND COMPANY  
P.O. BOX 307  
BELLKOTT CITY, MD 21042  
TEL: 410-8335

STATE OF MARYLAND  
Professional Engineer  
John M. Talm, License No. 12712

9/10/93. For the revision dated 9/9/93

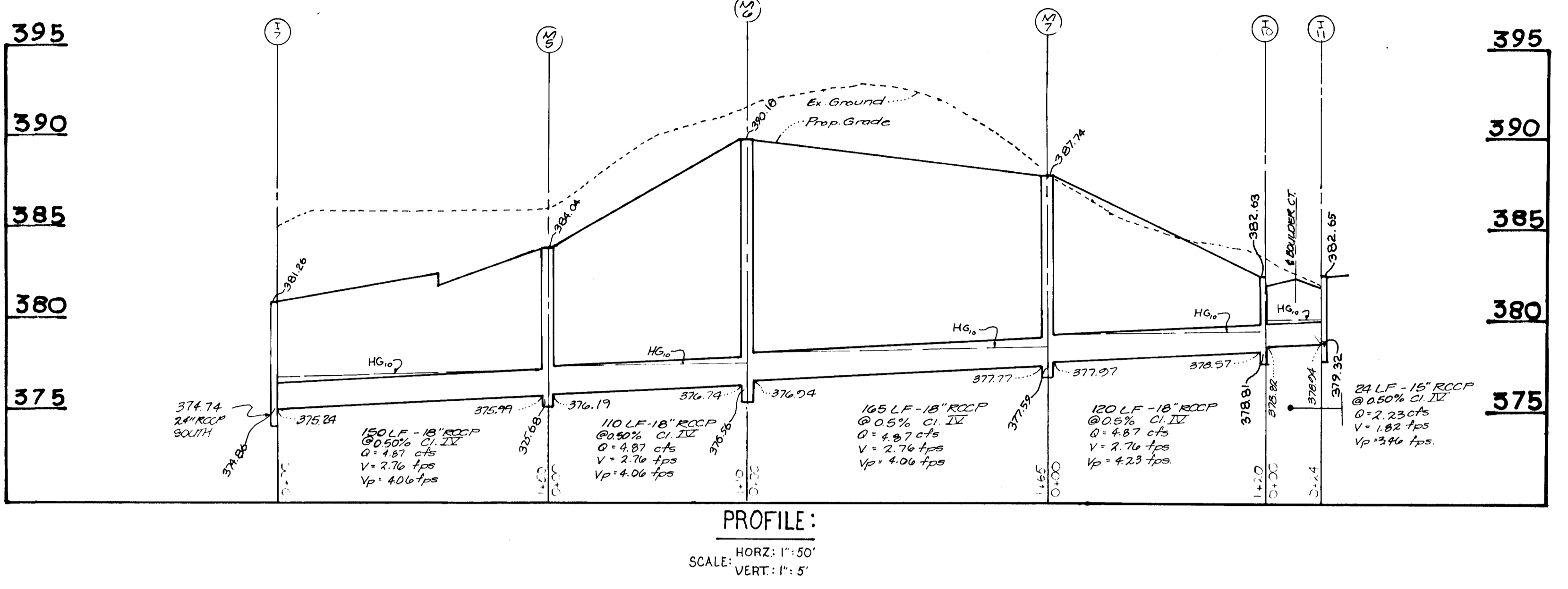
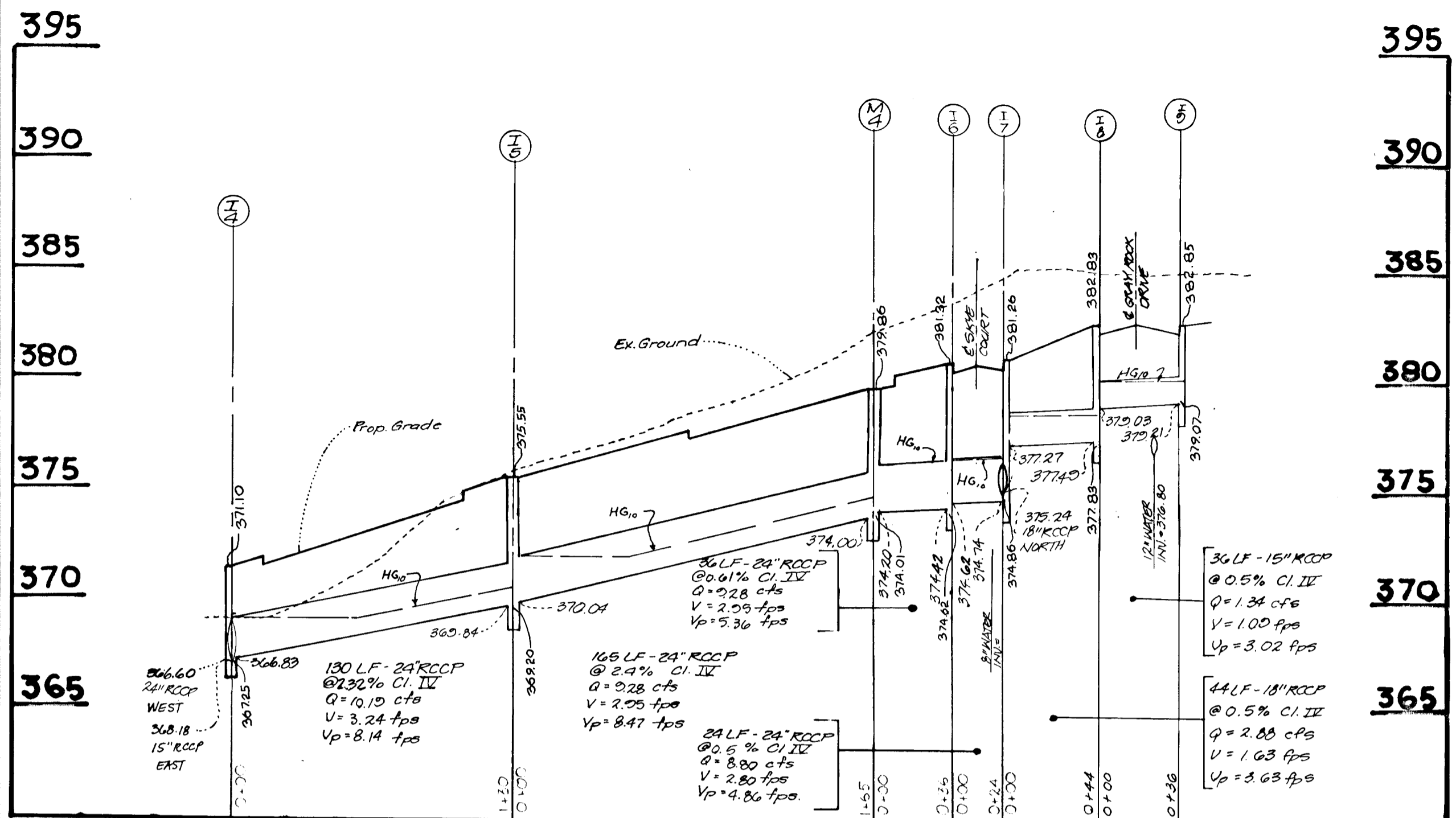
TITLE: STORMDRAIN PROFILES	
PROJECT: GRAY ROCK SECTION 6	
LOCATION: 2 ND	ELECTION DISTRICT HOWARD CO. MD.
SCALE: AS SHOWN	DESIGNED BY: J.G.O. DRAWN BY: J.G.U.C.O. CHECKED BY: DATE:
FIELD BOOK:	PAGE NO.:
DATE:	JOB NO.: 8952
DESCRIPTION: REVISIONS	DRAWING NO.: 9 OF 12

**Boender Associates**  
ENGINEERS - PLANNERS - SURVEYORS  
3230 BETHANY LANE  
ELLICOTT CITY, MD 21043  
(301) 465-7777 FAX: (301) 465-7968

242

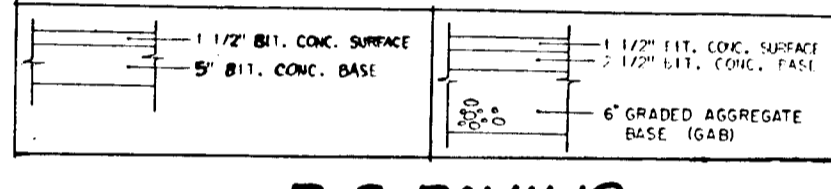
E92-164



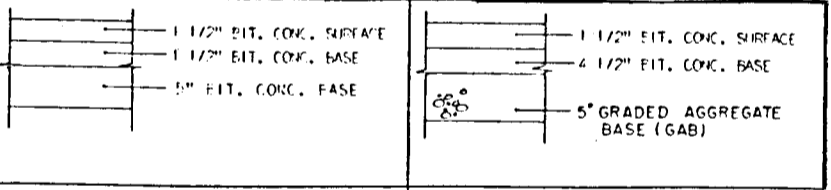


**PROFILE:**  
SCALE: HORIZ: 1"=50'  
VERT: 1"=5'

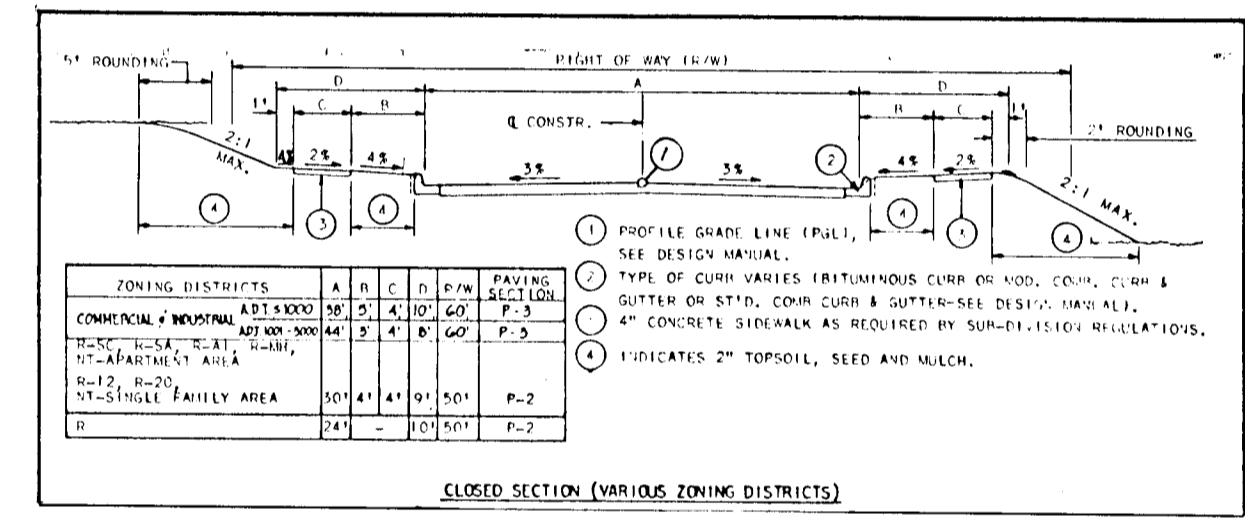
**PROFILE:**  
SCALE: HORIZ: 1"=50'  
VERT: 1"=5'



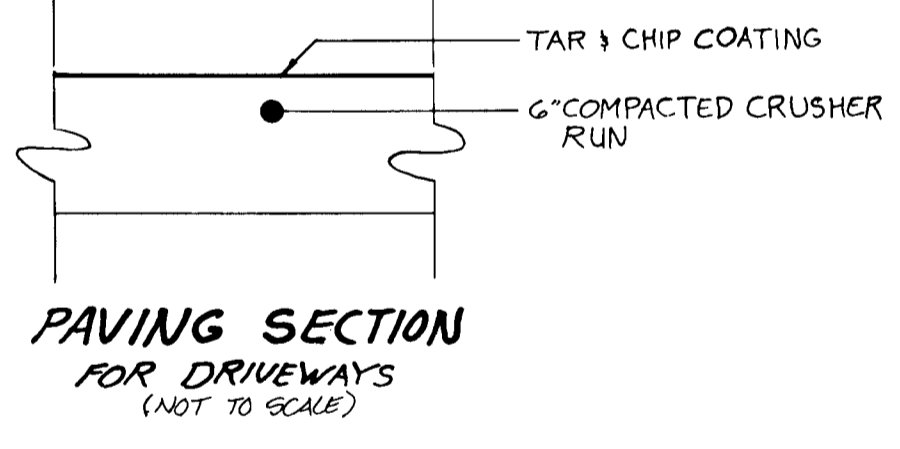
**P-2 PAVING**  
(Not To Scale)  
Paul Mill Road  
Skye Court  
Peace Pipe Court  
Blue River Court  
Boalder Court



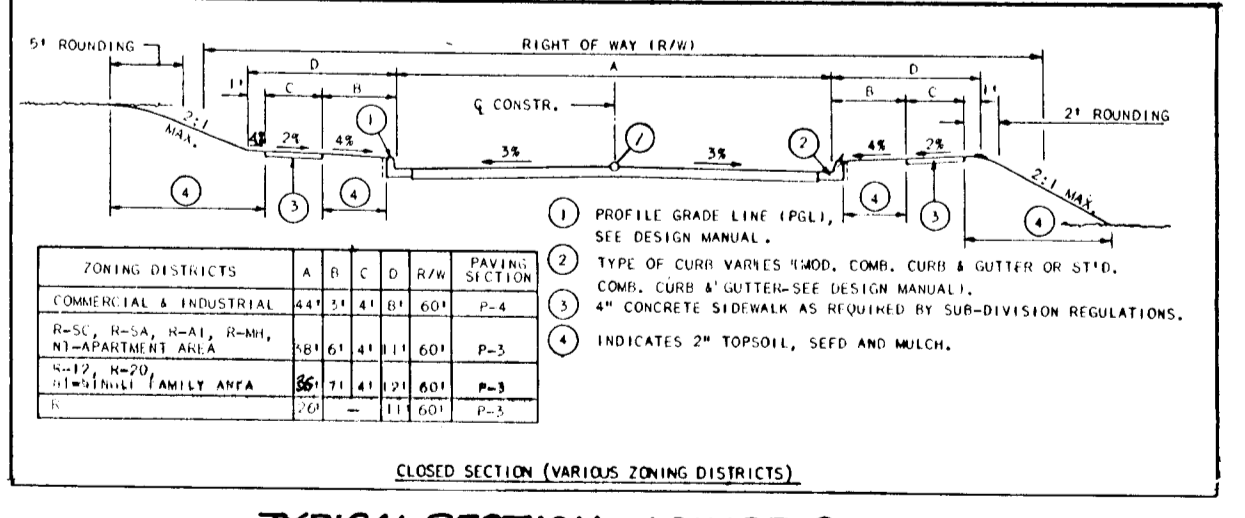
**P-3 PAVING**  
(Not To Scale)  
Gray Rock Drive



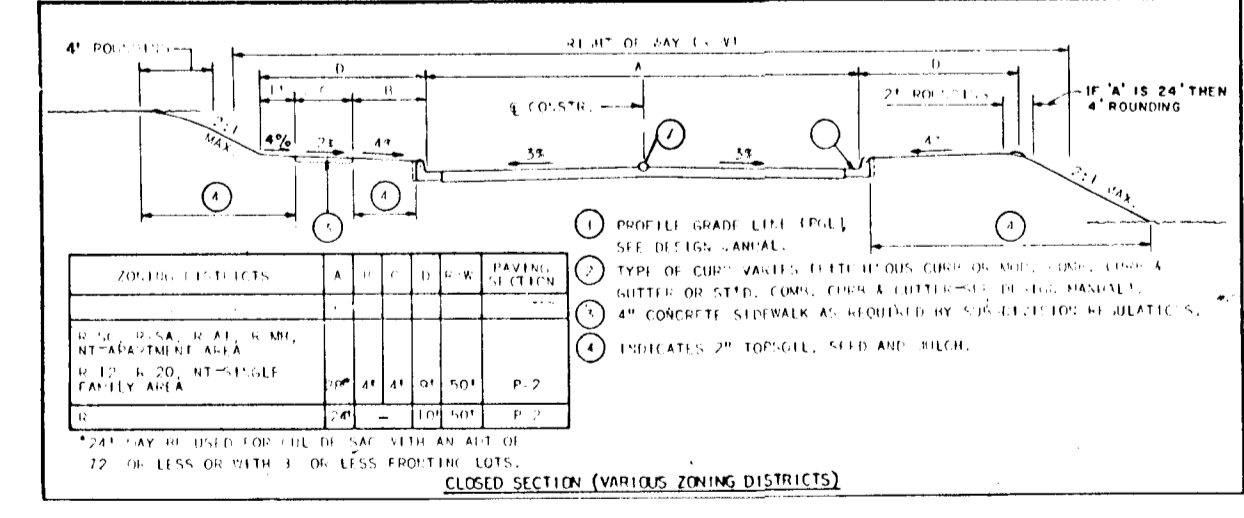
**TYPICAL SECTION - LOCAL ROAD**  
PAUL MILL ROAD - DESIGN SPEED 30mph  
(Not To Scale)



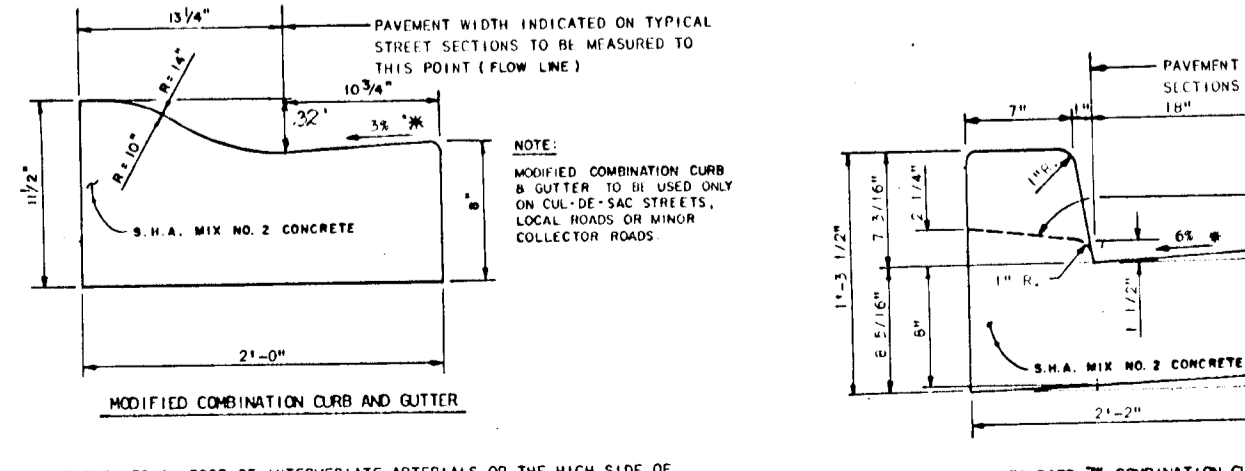
**PAVING SECTION FOR DRIVEWAYS**  
(NOT TO SCALE)



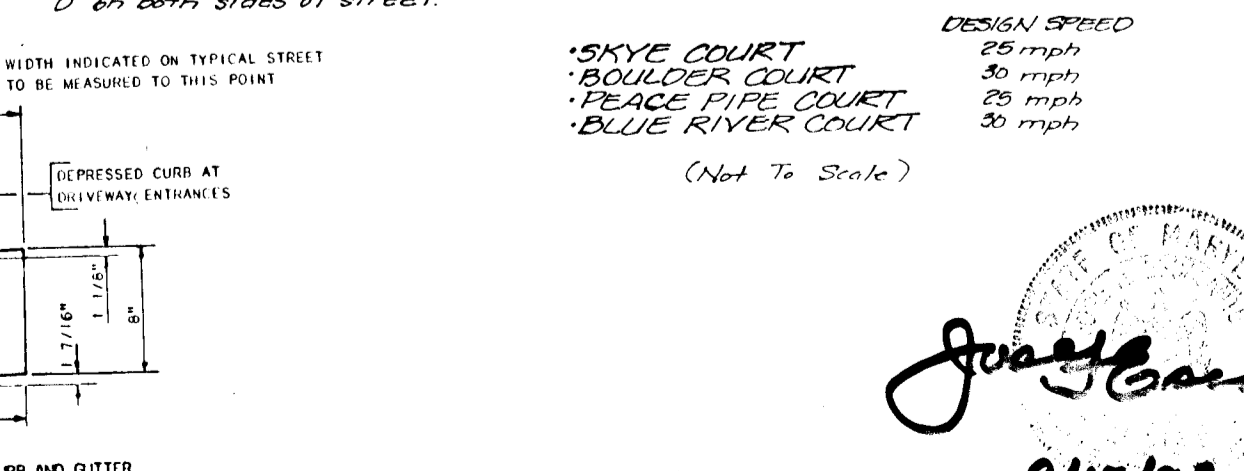
**TYPICAL SECTION - MINOR COLLECTOR**  
GRAY ROCK ROAD - DESIGN SPEED 35mph  
(Not To Scale)



**TYPICAL SECTION - CUL-DE-SAC**



**CURBING DETAILS**  
N.T.S.



**STANDARD 7\"/>**

STRUCTURE SCHEDULE						
Structure	Type	Invert	Out	Location	Top Elev.	Detail
I-1	A-5	359.25	359.75	LP 30' 6\"/>		
I-2	Yard Inlet	360.86	360.54	SEE PLAN	360.86	SD 4.14
I-3	A-5	365.70	365.50	E 5th 55+70 G.R.D.R., 18' RT.	365.70	SD 4.40
I-4	A-5	366.60	366.60	E 5th 58+90 G.R.D.R., 18' LT.	366.60	SD 4.40
I-5	A-5	370.03	370.03	E 5th 64+65 G.R.D.R., 18' LT.	370.03	SD 4.40
I-6	A-5	374.62	374.62	E 5th 0+80 S.C.T., 12' LT.	374.62	SD 4.40
I-7	A-5	375.74	375.74	E 5th 0+80 S.C.T., 12' RT.	375.74	SD 4.40
I-8	A-10	379.03	379.03	E 5th 52+30 G.R.D.R., 18' LT.	379.03	SD 4.41
I-9	A-10	379.81	379.81	E 5th 52+30 G.R.D.R., 18' RT.	379.81	SD 4.41
I-10	A-5	378.82	378.82	E 5th 2+00 17' B.C.T., 12' LT.	378.82	SD 4.40
I-11	A-10	379.54	379.54	E 5th 2+00 17' B.C.T., 12' RT.	379.54	SD 4.40
I-12	A-10	383.61	383.61	E 5th 32+27.87 PM RD., 15' RT.	383.61	SD 4.40
I-13	A-10	383.96	383.96	E 5th 32+27.87 PM RD., 15' LT.	383.96	SD 4.41
I-14	A-10	384.79	384.79	E 5th 0+40 P.P.C.T., 12' RT.	384.79	SD 4.41
I-15	A-5	385.05	385.05	E 5th 0+40 P.P.C.T., 12' LT.	385.05	SD 4.40
I-16	A-10	384.74	384.74	E 5th 50+10 G.R.D.R., 18' RT.	384.74	SD 4.41
I-17	A-10	384.79	384.79	E 5th 60+12 G.R.D.R., 18' LT.	384.79	SD 4.41
I-18	A-5	385.05	385.05	E 5th 30+20 PM RD., 15' LT.	385.05	SD 4.40
M-1	MH	358.05	358.75	E 5th	358.05	G 5.05
M-2	MH	361.14	361.44	E 5th 1+70 B.R.C.T., E	361.14	G 5.01
M-3	MH	364.57	364.87	E 5th 54+22 G.R.D.R., 20' RT.	364.57	G 5.01
M-4	MH	374.20	374.20	E 5th 53+00 G.R.D.R., 20' RT.	374.20	G 5.01
M-5	MH	376.19	376.19	SEE PLAN	376.19	G 5.01
M-6	MH	376.24	376.24	SEE PLAN	376.24	G 5.01
M-7	MH	377.07	377.77	SEE PLAN	377.07	G 5.01
M-8	MH	362.03	362.83	E 5th 32+04 PM RD., 17' RT.	362.03	G 5.01
M-9	MH	362.86	362.86	E 5th 33+70 PM RD., 17' RT.	362.86	G 5.01
M-10	MH	351.75	351.75	SEE PLAN	351.75	G 5.01
S-1	END SECTION	-	353.50	SEE PLAN	353.50	SD 5.52
S-2	END SECTION	-	358.53	E 5th 57+38 G.R.D.R., 40' RT.	358.53	SD 5.52
S-3	END SECTION	361.84	362.07	E 5th 56+76 G.R.D.R., 41' LT.	361.84	SD 5.52
I-19	D INLET	-	368.74	SEE PLAN	368.74	SD 4.11
E-1	END SECTION	-	353.20	E 5th 59+70 G.R.D.R., 70' RT.	353.20	SD 5.63

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

*John B. Milberg* 12/17/92  
DATE

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

*John B. Milberg* 12/17/92  
DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*John B. Milberg* 12-30-92  
DATE

*John B. Milberg* 12/23/90  
DATE

*John B. Milberg* 12-21-92  
DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*John B. Milberg* 1/5/93  
DATE

DEVELOPER'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 Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project. I will 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 inspection by the Howard Soil Conservation District.

*Paul L. Miller* 6/12/92  
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*John B. Milberg* 6-19-92  
DATE

OWNER/DEVELOPER

THE MILLER LAND COMPANY  
P.O. BOX 307  
ELICOTT CITY, MD 21042  
TELE 461-8235

As-built certification excluding Roads and Storm Drainage previously certified by William G. Harrel, L.S., on December 6, 1994.

*John B. Milberg* 5/21/94  
DATE

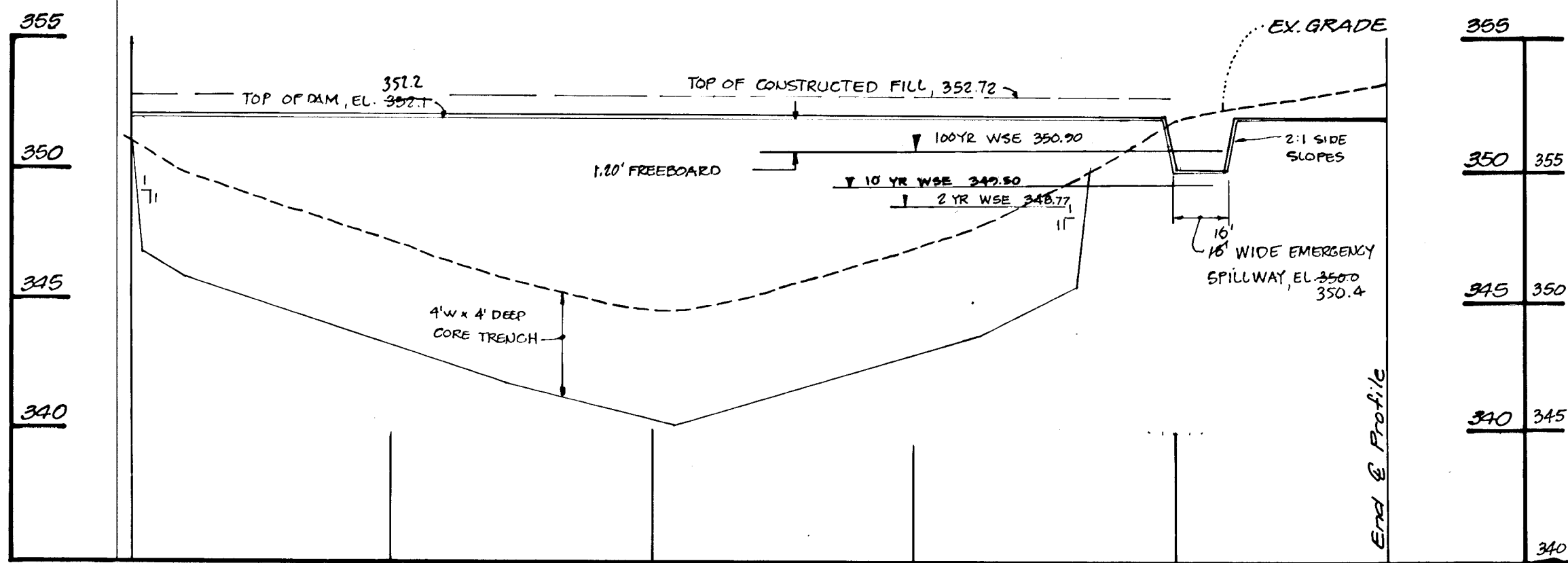
**Boalder Associates**  
ENGINEERS - PLANNERS - SURVEYORS  
3230 BETHANY LANE  
ELICOTT CITY, MD, 21043  
(301) 465-7777 FAX: (301) 465-7966

TITLE: ROAD DETAILS, STORM DRAIN PROFILES & STRUCTURE SCHEDULE  
PROJECT: GRAY ROCK SECTION 6  
LOCATION: 2 ND ELECTION DISTRICT HOWARD CO. MD  
SCALE: AS SHOWN  
DESIGNED BY: J.C.O.  
DRAWN BY: W.G.O.  
CHECKED BY: J.C.O.  
DATE: 9-9-93  
FIELD BOOK: REVISIONS  
PAGE NO.: 8952  
JOB NO.: 10 OF 12  
DRAWING NO.: 10 OF 12

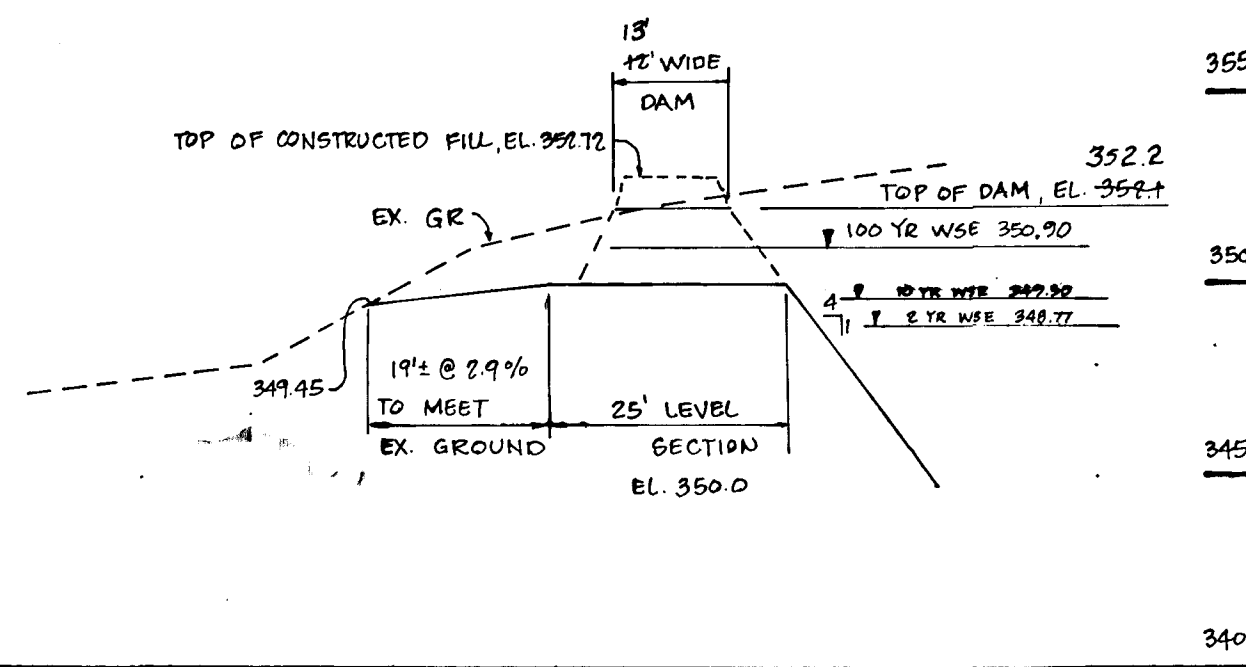
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*John B. Milberg*  
9/10/93  
For Rev. dated  
9/19/93

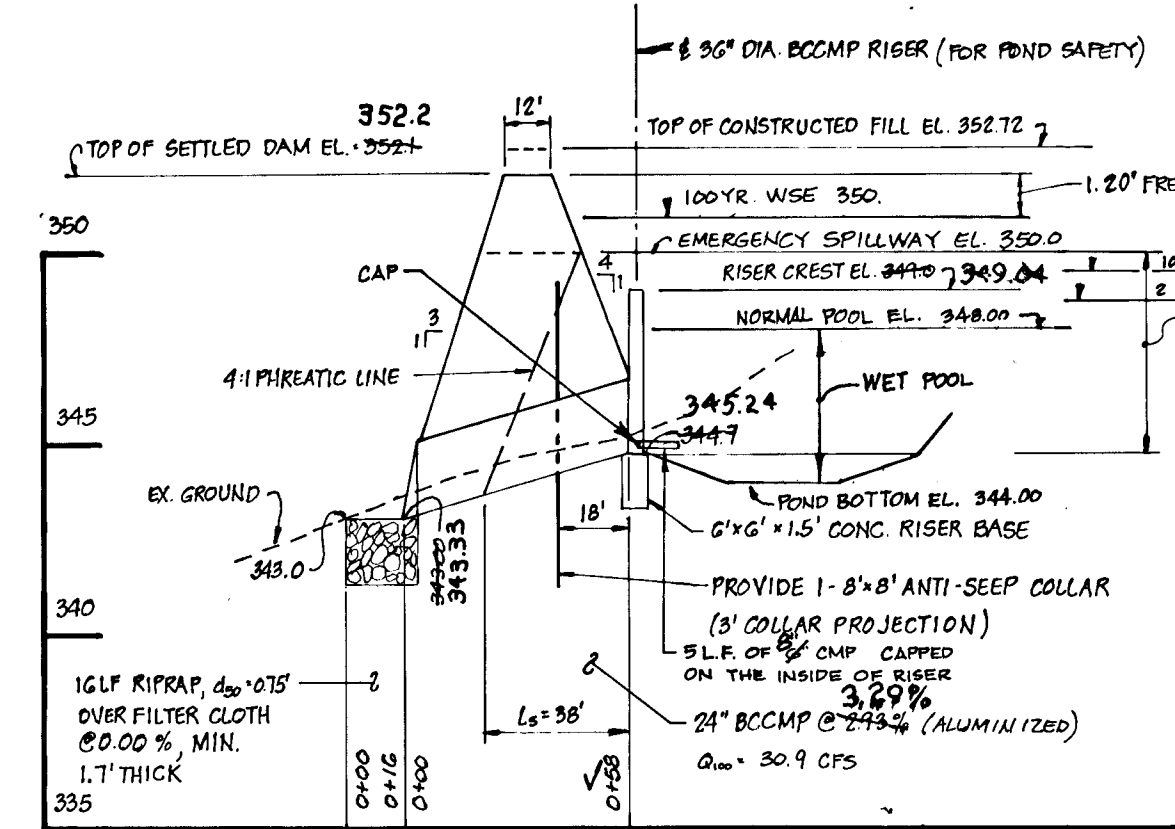




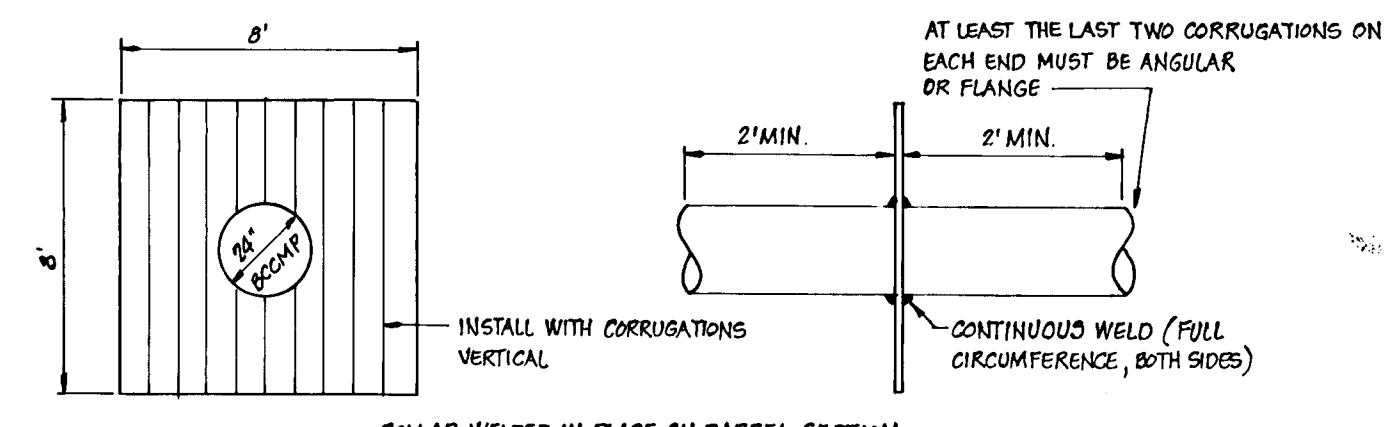
**SWM Dam Profile**  
(Scale: Hor. 1"=50'  
Vert. 1"=5')



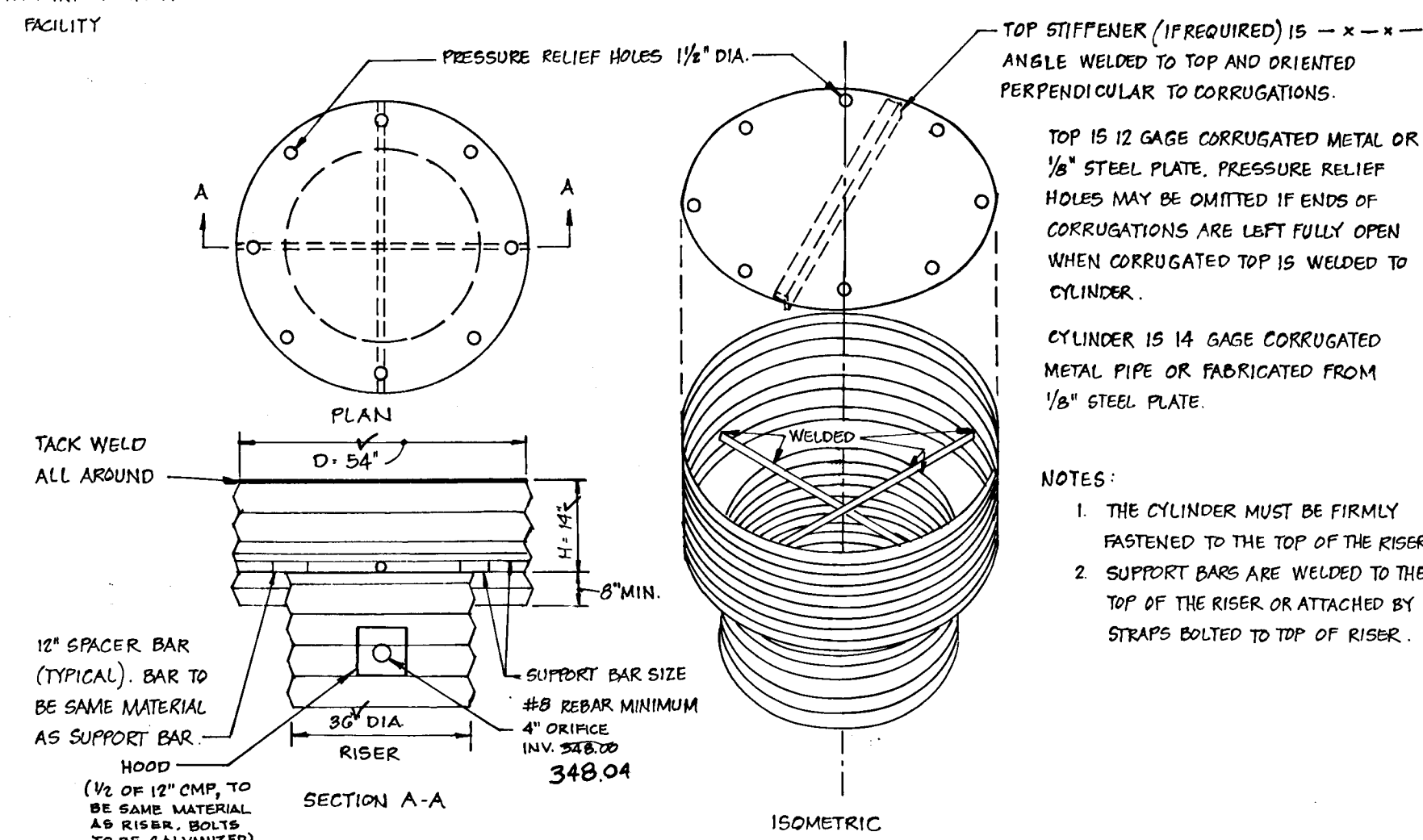
**EMERGENCY SPILLWAY PROFILE**  
SCALE: HOR. 1"=20'  
VERT. 1"=5'



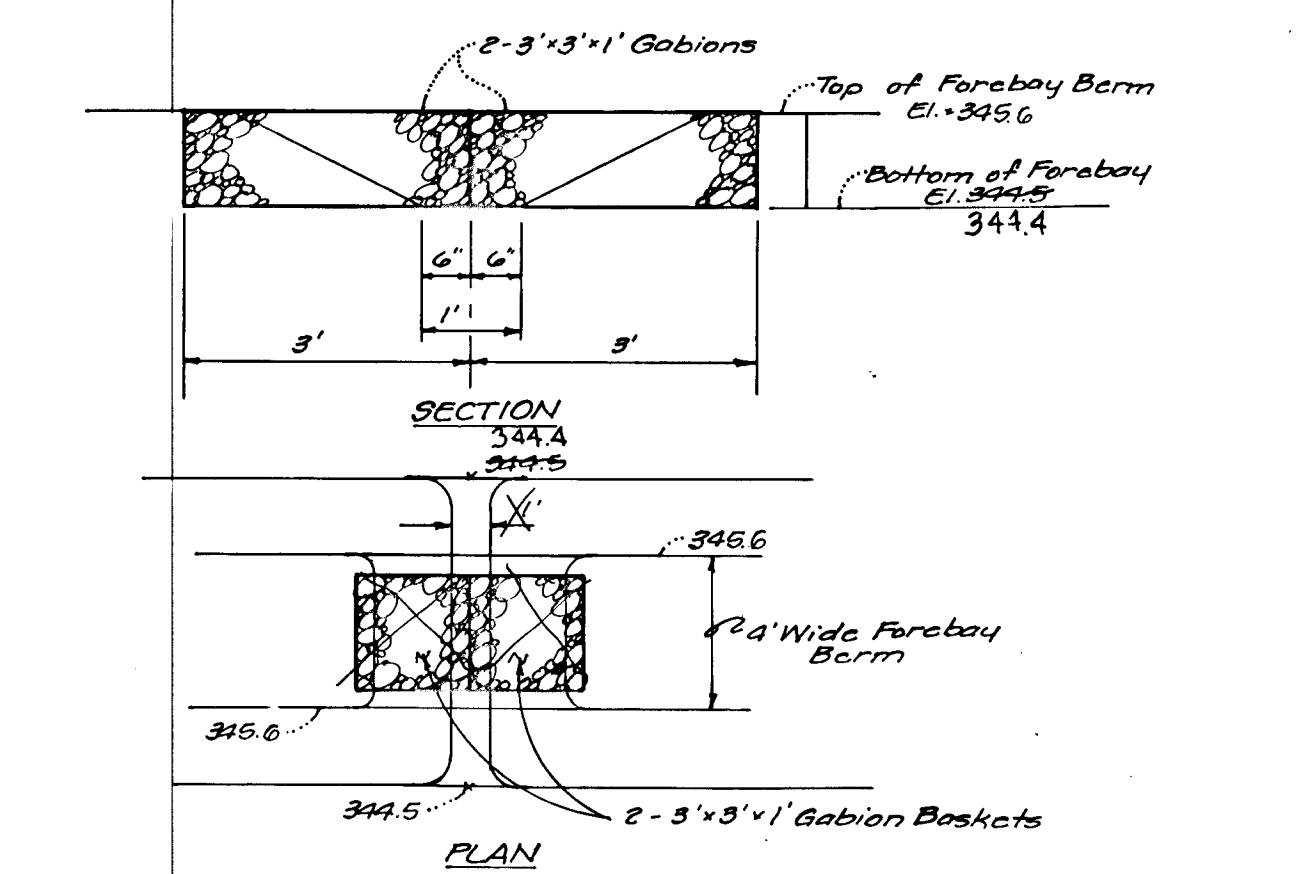
**PRINCIPLE SPILLWAY PROFILE**  
SCALE: HOR. 1"=50'  
VERT. 1"=5'



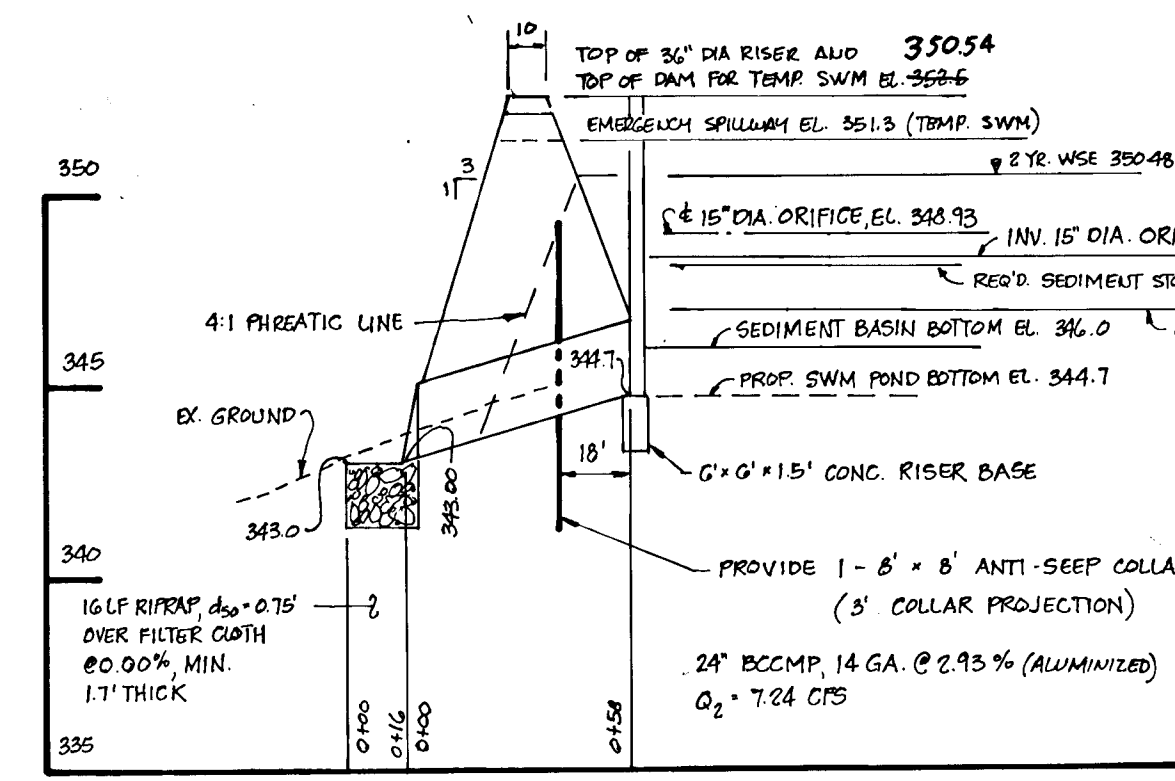
**ANTI-SEEP COLLAR DETAIL**  
NOT TO SCALE



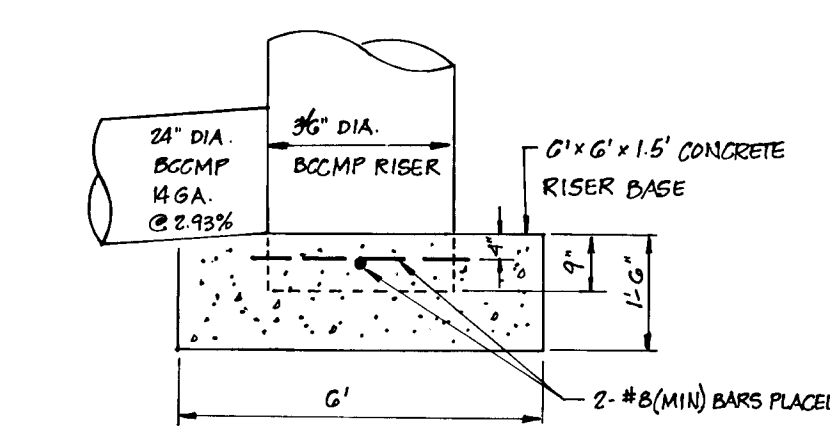
**TRASH RACK DETAIL**  
NOT TO SCALE



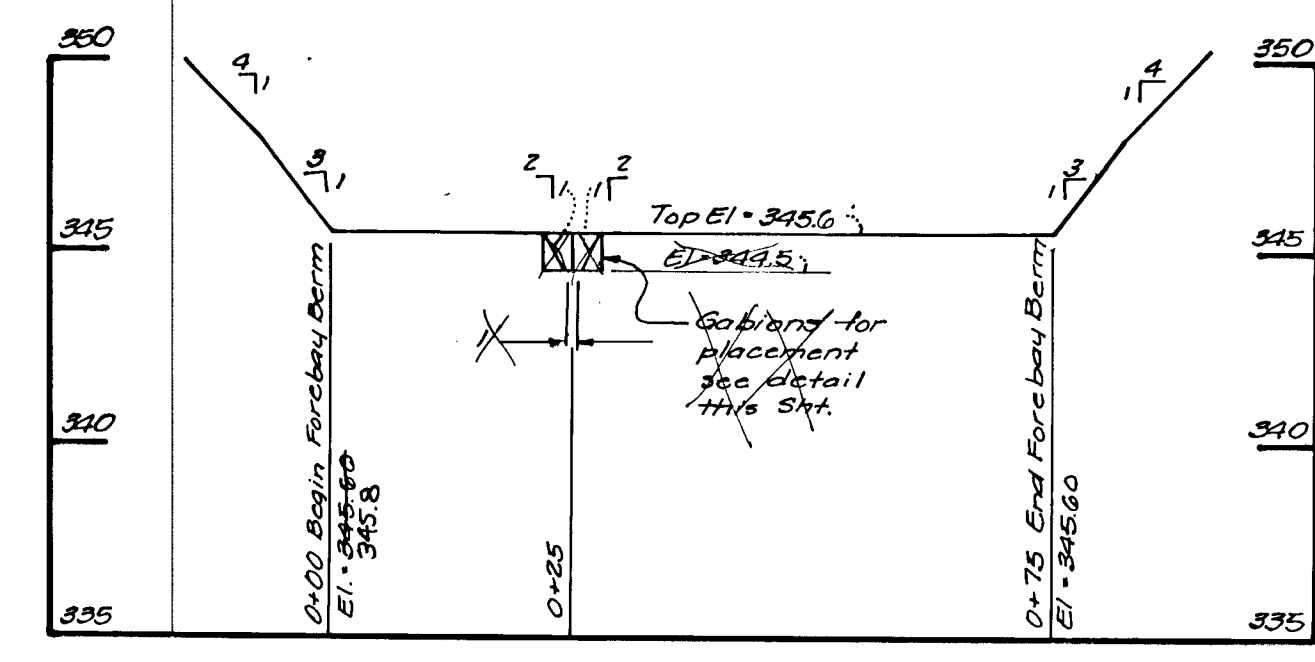
**GABION DETAIL @ FOREBAY BERM**  
(Not To Scale)



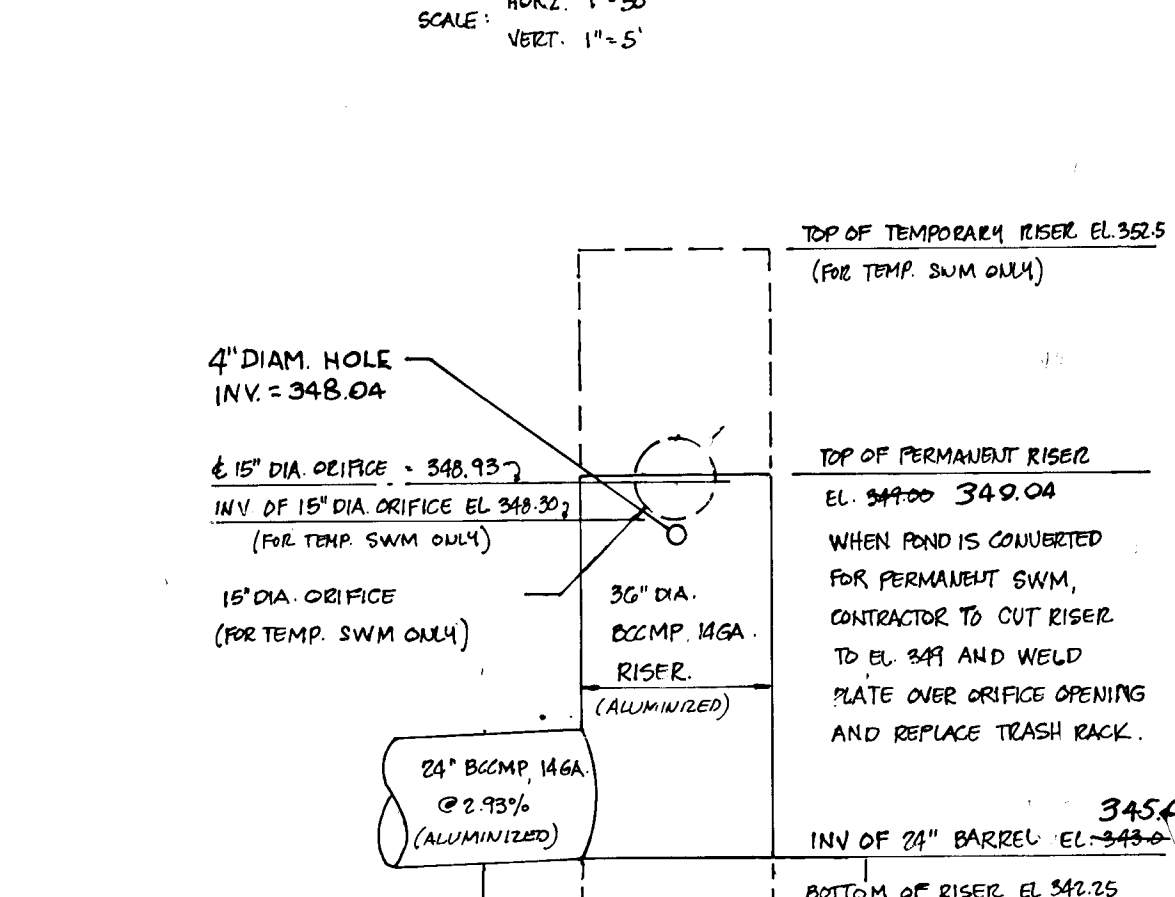
**PRINCIPLE SPILLWAY PROFILE  
TEMPORARY S.W.M. USE**  
SCALE: HOR. 1"=20'  
VERT. 1"=5'



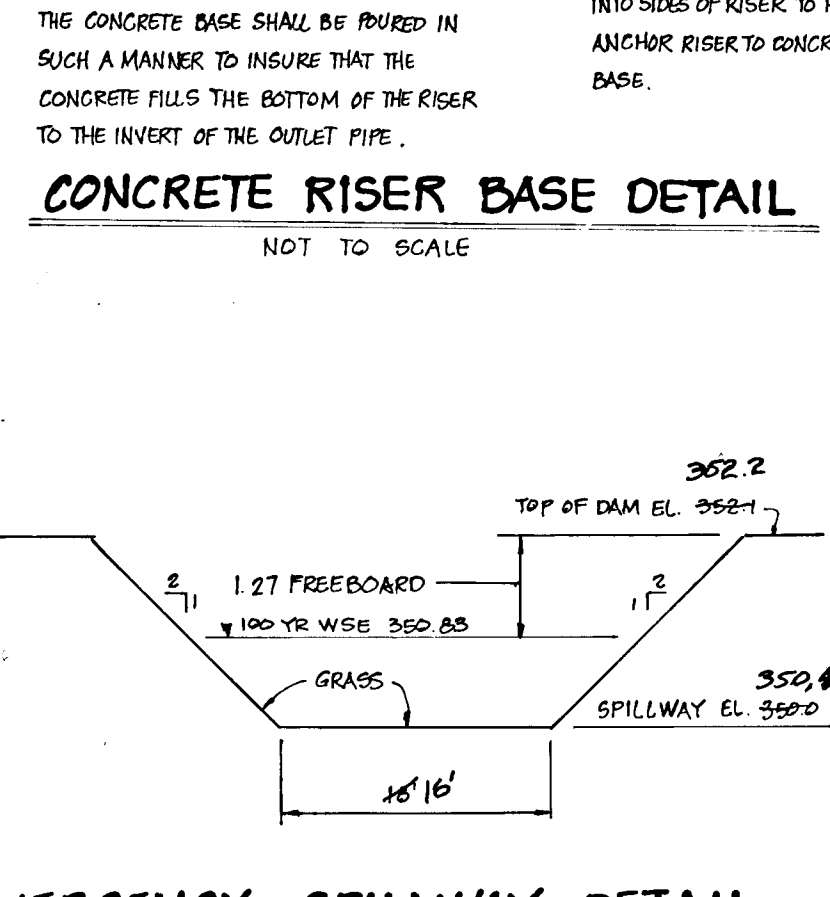
**CONCRETE RISER BASE DETAIL**  
NOT TO SCALE



**SECTION A-A  
THRU FOREBAY BERM**  
(Scale: Hor. 1"=20'  
Vert. 1"=5')



**OUTLET STRUCTURE DETAIL**  
SCALE: HOR. 1"=3'  
VERT. 1"=3'



**EMERGENCY SPILLWAY DETAIL**  
NOT TO SCALE

Boring No.	Location	Depth (ft)	Soil Description	Moisture Content (%)	Notes
B-1	Station 3+00	0-10	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	10-15	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	15-20	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	20-25	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	25-30	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	30-35	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	35-40	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	40-45	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	45-50	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	50-55	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	55-60	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	60-65	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	65-70	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	70-75	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	75-80	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	80-85	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	85-90	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	90-95	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	95-100	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	100-105	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	105-110	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	110-115	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	115-120	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	120-125	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	125-130	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	130-135	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	135-140	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	140-145	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	145-150	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	150-155	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	155-160	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	160-165	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	165-170	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	170-175	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	175-180	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	180-185	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	185-190	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	190-195	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	195-200	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	200-205	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	205-210	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	210-215	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	215-220	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	220-225	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	225-230	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	230-235	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	235-240	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	240-245	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	245-250	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	250-255	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	255-260	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	260-265	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	265-270	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	270-275	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	275-280	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	280-285	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	285-290	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	290-295	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	295-300	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	300-305	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	305-310	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	310-315	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	315-320	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	320-325	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	325-330	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	330-335	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	335-340	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	340-345	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	345-350	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	
B-1	Station 3+00	350-355	Light brown to dark brown silty clay with a little sand, moist, medium dense	20.04	

**SOIL BORING PROFILES**  
NOT TO SCALE

I CERTIFY THAT THE SWM FACILITY SHOWN HEREON WAS CONSTRUCTED AS SHOWN ON THE SWM AS-BUILT PLANS AND CONFORMS TO THE APPROVED PLANS AND SPECIFICATIONS UNLESS OTHERWISE SHOWN.

Asbuilt certification excluding Roads and Storm Drainage previously certified by William G. Hartel, L.S., on December 6, 1994.

DATE	DESCRIPTION	BY
5-22-96	AS BUILT	RCJ
10-26-95	REV WSE'S & ADD'D CHANGES w/ Memo	WCB

OWNER  
THE MILLER LAND COMPANY  
P.O. Box 307  
Ellicott City, Maryland 21042  
Phone: (410) 461-8335

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 must 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 inspection by the Howard Soil Conservation District.

SCALE:	DESIGNED BY:	CHECKED BY:	DATE:
AS SHOW	J.J.B.	M.B.B.	June 92

**Boender Associates**  
ENGINEERS - PLANNERS - SURVEYORS  
3230 BETHANY LANE  
ELLICOTT CITY, MD. 21042  
(410) 465-7777 FAX: (410) 465-7966

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

*Robert W. Ziehl* 12/17/92  
USE, Conservation Service DATE

*Robert W. Ziehl* 12/17/92  
Howard Soil Conservation District DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*John W. Hartel* 12-30-92  
Chief, Land Development Division DATE

*Calvin L. Taylor* 12/23/92  
Chief, Bureau of Highways DATE

*Gregory S. Ray* 12-31-92  
Chief, Bureau of Engineering DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Elmunda Belmont* 1/17/93  
Chief, Division of Community Planning and Land Development DATE

DEVELOPER'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 Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project. I will 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 inspection by the Howard Soil Conservation District.

*Paul L. Miller* 6/17/92  
Developer 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 must 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 inspection by the Howard Soil Conservation District.

*Stratton Deane* 6-19-92  
Engineer DATE

6-29-95 REVIEW



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