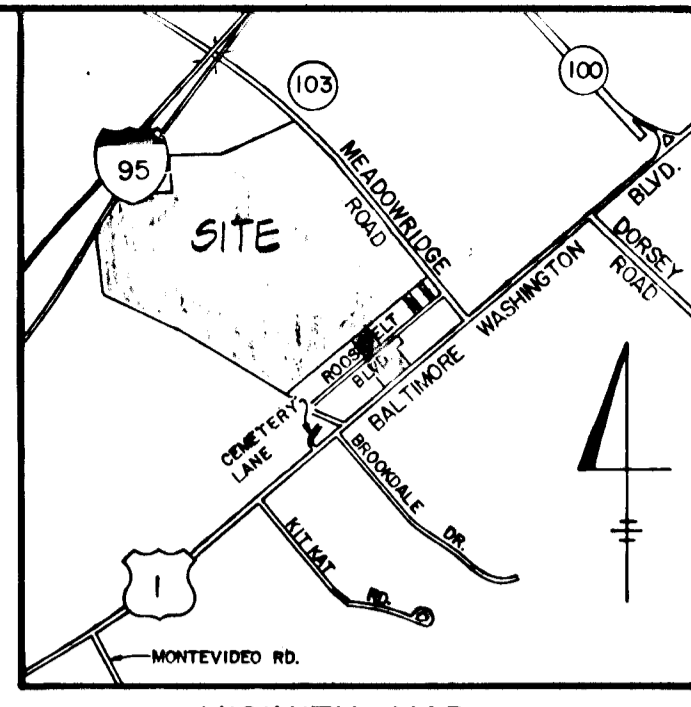


**SITE ANALYSIS:**

1. TOTAL AREA OF SITE: 138.00 AC.±
2. TOTAL AREA TO BE DISTURBED: 138.00 AC.±
3. TOTAL IMPERVIOUS AREA: 0.00 AC.±
4. TOTAL AREA TO BE REVEGETATED: 138.00 AC.±



- DESIGN DATA**  
TEMPORARY STORM WATER MANAGEMENT BASIN #1
1. DRAINAGE AREA TO BASIN: 78.90 AC.±
  2. BASIN CLASS: 1
  3. HEIGHT OF DAM: 8.90'
  4. TOP WIDTH OF DAM: 8'
  5. SIDE SLOPES: UPSTREAM 2:1 DOWNSTREAM 2-1/2:1
  6. VOLUME REQUIRED: 13,571 AC.FT.
  7. VOLUME PROVIDED: 13,910 AC.FT.
  8. TOP OF DAM EL.: 187.25
  9. 10 YEAR STORM STORAGE EL.: 184.00
  10. BOTTOM OF POND EL.: 176.00
  11. SEDIMENT STORAGE VOLUME REQUIRED: 3,277 AC.FT.
  12. SEDIMENT STORAGE VOLUME PROVIDED: 3,303 AC.FT.
  13. SEDIMENT TRAP SIZE (BOTTOM DIMENSIONS): 190'x290'
  14. TRAP DEPTH: 2.5'
  15. SIDE SLOPES: 2:1
  16. SEDIMENT STORAGE EL.: 176.00
  17. SEDIMENT TRAP CLEANOUT EL.: 174.50
  18. SEDIMENT TRAP BOTTOM EL.: 173.50

- DESIGN DATA**  
TEMPORARY SEDIMENT TRAP #2
1. DRAINAGE AREA TO TRAP: 5.60 AC.±
  2. TYPE OF TRAP: RIP RAP OUTLET
  3. VOLUME OF STORAGE REQUIRED: 0.890 AC.FT.
  4. VOLUME OF STORAGE PROVIDED: 0.900 AC.FT.
  5. TRAP SIZE (BOTTOM DIMENSIONS): 90'x108'
  6. TRAP DEPTH: 2.5'
  7. SIDE SLOPES: 2:1
  8. WEIR LENGTH: 14.0'
  9. MAX. DEPTH OF FLOW IN WEIR: 1.5'
  10. CREST EL. OF WEIR: 182.34
  11. 10 YEAR STORM STORAGE EL.: 182.95
  12. TOP ENHANCEMENT EL.: 187.50
  13. BOTTOM EL.: 179.50
  14. SEDIMENT STORAGE VOLUME REQUIRED: 0.233 AC.FT.
  15. SEDIMENT STORAGE VOLUME PROVIDED: 0.233 AC.FT.
  16. SEDIMENT STORAGE EL.: 180.50
  17. SEDIMENT CLEANOUT EL.: 179.90

- DESIGN DATA**  
TEMPORARY SEDIMENT TRAP #3
1. DRAINAGE AREA TO TRAP: 8.74 AC.±
  2. TYPE OF TRAP: RIP RAP OUTLET
  3. VOLUME OF STORAGE REQUIRED: 1,020 AC.FT.
  4. VOLUME OF STORAGE PROVIDED: 1,041 AC.FT.
  5. TRAP SIZE (BOTTOM DIMENSIONS): 62'x180'
  6. TRAP DEPTH: 3.5'
  7. SIDE SLOPES: 2:1
  8. WEIR LENGTH: 10.0'
  9. MAX. DEPTH OF FLOW IN WEIR: 2.0'
  10. CREST EL. OF WEIR: 181.75
  11. 10 YEAR STORM STORAGE EL.: 182.50
  12. TOP ENHANCEMENT EL.: 185.79
  13. BOTTOM EL.: 179.00
  14. SEDIMENT STORAGE VOLUME REQUIRED: 0.363 AC.FT.
  15. SEDIMENT STORAGE VOLUME PROVIDED: 0.363 AC.FT.
  16. SEDIMENT STORAGE EL.: 180.32
  17. SEDIMENT CLEANOUT EL.: 179.54

- DESIGN DATA**  
TEMPORARY SEDIMENT TRAP #4
1. DRAINAGE AREA TO TRAP: 1.00 AC.±
  2. TYPE OF TRAP: STONE OUTLET
  3. VOLUME OF STORAGE REQUIRED: 67 C.Y.
  4. VOLUME OF STORAGE PROVIDED: 67 C.Y.
  5. TRAP SIZE (BOTTOM DIMENSIONS): 30'x22'
  6. TRAP DEPTH: 2.0'
  7. SIDE SLOPES: 2:1
  8. WEIR LENGTH: 4'
  9. CREST EL. OF WEIR: 192.00
  10. BOTTOM EL.: 189.00
  11. CLEANOUT EL.: 190.00

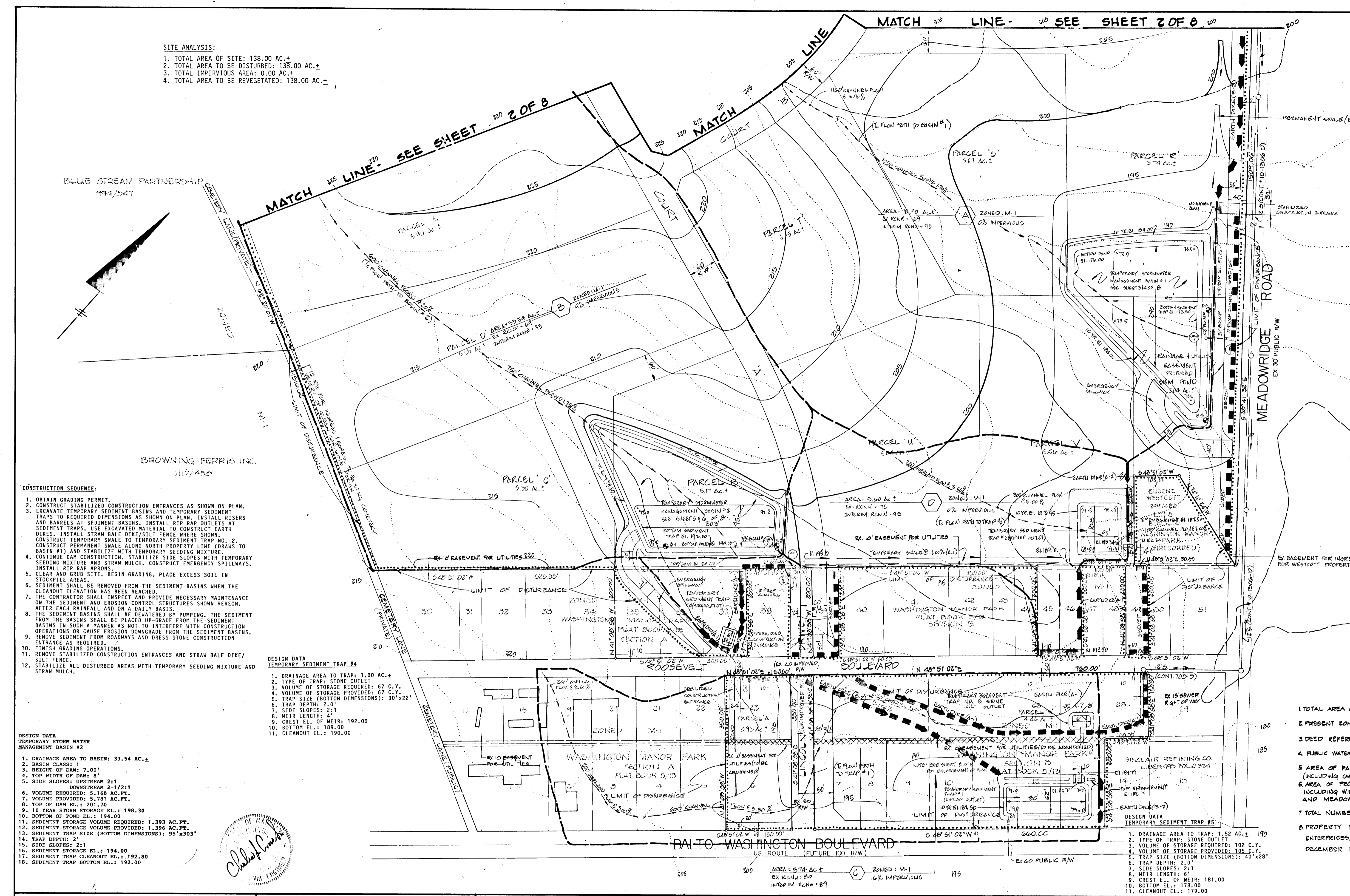
- DESIGN DATA**  
TEMPORARY SEDIMENT TRAP #5
1. DRAINAGE AREA TO TRAP: 1.52 AC.±
  2. TYPE OF TRAP: STONE OUTLET
  3. VOLUME OF STORAGE REQUIRED: 102 C.Y.
  4. VOLUME OF STORAGE PROVIDED: 105 C.Y.
  5. TRAP SIZE (BOTTOM DIMENSIONS): 40'x28'
  6. TRAP DEPTH: 2.0'
  7. SIDE SLOPES: 2:1
  8. WEIR LENGTH: 6'
  9. CREST EL. OF WEIR: 181.00
  10. BOTTOM EL.: 178.00
  11. CLEANOUT EL.: 179.00

- GENERAL NOTES**
1. TOTAL AREA OF PROPERTY: 137.85 AC.±
  2. PRESENT ZONING: M-1
  3. DEED REFERENCES: LIBER 222 FOLIO 49, LIBER 426 FOLIO 94, LIBER 302 FOLIO 410, PLATBOOK 5 FOLIO 13
  4. PUBLIC WATER & SEWER SYSTEMS TO BE UTILIZED
  5. AREA OF PARCELS (INCLUDING SWM PARCEL): 129 Acres±
  6. AREA OF PROPOSED ROADS INCLUDING WIDENING OF U.S. RTE. 1 AND MEADOWRIDGE ROAD: 9 Acres±
  7. TOTAL NUMBER OF PARCELS: 23
  8. PROPERTY INFORMATION BASED ON A SURVEY FOR DORSEY ENTERPRISES, INC., DATED NOVEMBER 22, 1985 AND REVISED DECEMBER 13, 1985 BY R.T.F./INC.

**SEDIMENT CONTROL PLAN**  
**MEADOWRIDGE INDUSTRIAL PARK**

TAX MAP 31+43  
PARCELS 177, 178, 362, 539 & P/O 375  
AND A RESUBDIVISION OF LOTS G-13, 23-28, 35, 37, 45, 46 AND 49 WASHINGTON MANOR PARK

4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=100' MARCH 6, 1986  
REVISED: SEPTEMBER 16, 1986  
SHEET 1 OF 8



- CONSTRUCTION SEQUENCE:**
1. OBTAIN GRADING PERMIT.
  2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES AS SHOWN ON PLAN.
  3. EXCAVATE TEMPORARY SEDIMENT BASINS AND TEMPORARY SEDIMENT TRAPS TO REQUIRED DIMENSIONS AS SHOWN ON PLAN. INSTALL RISERS AND BARRELS AT SEDIMENT BASINS. INSTALL RIP RAP OUTLETS AT SEDIMENT TRAPS. USE EXCAVATED MATERIAL TO CONSTRUCT EARTH DIKES. INSTALL STRAW BALE DIKE/SILT FENCE WHERE SHOWN.
  4. CONSTRUCT TEMPORARY SWALE TO TEMPORARY SEDIMENT TRAP NO. 2. CONSTRUCT PERMANENT SWALE ALONG NORTH PROPERTY LINE (DRAWS TO BASIN #1) AND STABILIZE WITH TEMPORARY SEEDING MIXTURE.
  5. CONTINUE DAM CONSTRUCTION. STABILIZE SIDE SLOPES WITH TEMPORARY SEEDING MIXTURE AND STRAW MULCH. CONSTRUCT EMERGENCY SPILLWAYS. INSTALL RIP RAP APRONS.
  6. CLEAR AND GRUB SITE. BEGIN GRADING. PLACE EXCESS SOIL IN STOCKPILE AREAS.
  7. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT BASINS WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED.
  8. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON. AFTER EACH RAINFALL AND ON A DAILY BASIS, THE SEDIMENT FROM THE BASINS SHALL BE PLACED UP-GRADE FROM THE SEDIMENT BASINS IN SUCH A MANNER AS NOT TO INTERFERE WITH CONSTRUCTION OPERATIONS OR CAUSE EROSION DOWNGRADE FROM THE SEDIMENT BASINS.
  9. REMOVE SEDIMENT FROM ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
  10. FINISH GRADING OPERATIONS.
  11. REMOVE STABILIZED CONSTRUCTION ENTRANCES AND STRAW BALE DIKE/SILT FENCE.
  12. STABILIZE ALL DISTURBED AREAS WITH TEMPORARY SEEDING MIXTURE AND STRAW MULCH.

- DESIGN DATA**  
TEMPORARY STORM WATER MANAGEMENT BASIN #2
1. DRAINAGE AREA TO BASIN: 33.54 AC.±
  2. BASIN CLASS: 1
  3. HEIGHT OF DAM: 7.00'
  4. TOP WIDTH OF DAM: 8'
  5. SIDE SLOPES: UPSTREAM 2:1 DOWNSTREAM 2-1/2:1
  6. VOLUME REQUIRED: 5,168 AC.FT.
  7. VOLUME PROVIDED: 5,781 AC.FT.
  8. TOP OF DAM EL.: 201.70
  9. 10 YEAR STORM STORAGE EL.: 198.30
  10. BOTTOM OF POND EL.: 194.00
  11. SEDIMENT STORAGE VOLUME REQUIRED: 1,393 AC.FT.
  12. SEDIMENT STORAGE VOLUME PROVIDED: 1,396 AC.FT.
  13. SEDIMENT TRAP SIZE (BOTTOM DIMENSIONS): 95'x303'
  14. TRAP DEPTH: 2'
  15. SIDE SLOPES: 2:1
  16. SEDIMENT STORAGE EL.: 194.00
  17. SEDIMENT TRAP CLEANOUT EL.: 192.80
  18. SEDIMENT TRAP BOTTOM EL.: 192.00

**ENGINEER'S CERTIFICATE**

I HEREBY 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.

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERS & LAND SURVEYORS  
8388 COURT AVENUE  
ELLCOTT CITY, MARYLAND 21043  
(301) 461-2855

Signature: *Charles J. Fisher*  
DATE: 9/19/86

**DEVELOPER'S CERTIFICATE**

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Signature: *John Mikolasko*  
DATE: 9/19/86

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE DATE: 9/20/86

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

APPROVED: *Stephen J. Pridley* 9/20/86  
DISTRICT HOWARD SOIL CONSERVATION DISTRICT

APPROVED: OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR DATE: 9/20/86

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE: 9/20/86

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

HEALTH OFFICER DATE: 9/20/86

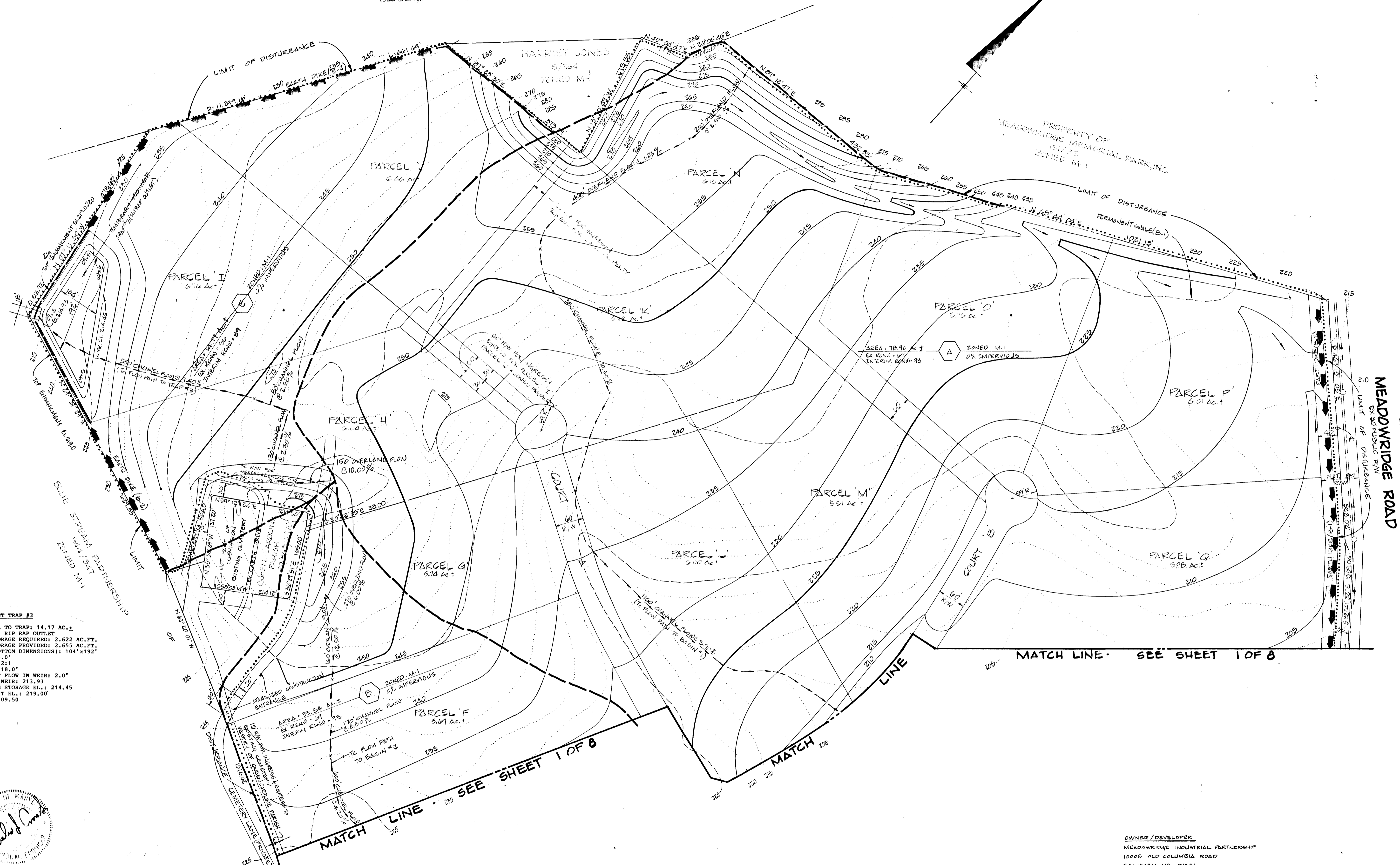
APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

DIRECTOR, PUBLIC WORKS DATE: 12/16/86

CHIEF, BUREAU OF ENGINEERING DATE: 10-2-86

APPROVED: CHIEF, LAND DEVELOPMENT DIVISION DATE: 10-2-86

INTERSTATE ROUTE #95  
(SEE SHA R/W PLAT #M122)



- DESIGN DATA**  
TEMPORARY SEDIMENT TRAP #3
1. DRAINAGE AREA TO TRAP: 14.17 AC.±
  2. TYPE OF TRAP: RIP RAP OUTLET
  3. VOLUME OF STORAGE REQUIRED: 2,622 AC.FT.
  4. VOLUME OF STORAGE PROVIDED: 2,655 AC.FT.
  5. TRAP SIZE (BOTTOM DIMENSIONS): 104"x192"
  6. TRAP DEPTH: 5.0'
  7. SIDE SLOPES: 2:1
  8. WEIR LENGTH: 18.0'
  9. MAX. DEPTH OF FLOW IN WEIR: 2.0'
  10. CREST EL. OF WEIR: 213.93
  11. 10 YEAR STORM STORAGE EL.: 214.45
  12. TOP EMBANKMENT EL.: 219.00'
  13. BOTTOM EL.: 209.50'



**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERS & LAND SURVEYORS  
8388 COURT AVENUE  
ELLCOTT CITY, MARYLAND 21043  
(301)461-2855

**ENGINEER'S CERTIFICATE**  
I HEREBY 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.

*Charles Collins*  
SIGNATURE OF ENGINEER  
9/17/86  
DATE

**DEVELOPER'S CERTIFICATE**  
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

*John Mikulsko*  
SIGNATURE OF DEVELOPER  
9/17/86  
DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE DATE 9/17/86

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

*Stephen L. Fisher*  
DATE 9/22/86  
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

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

HEALTH OFFICER DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

*James M. Law* 12/18/86  
DIRECTOR, PUBLIC WORKS DATE

*Walter H. Fisher* 12/2/86  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED:

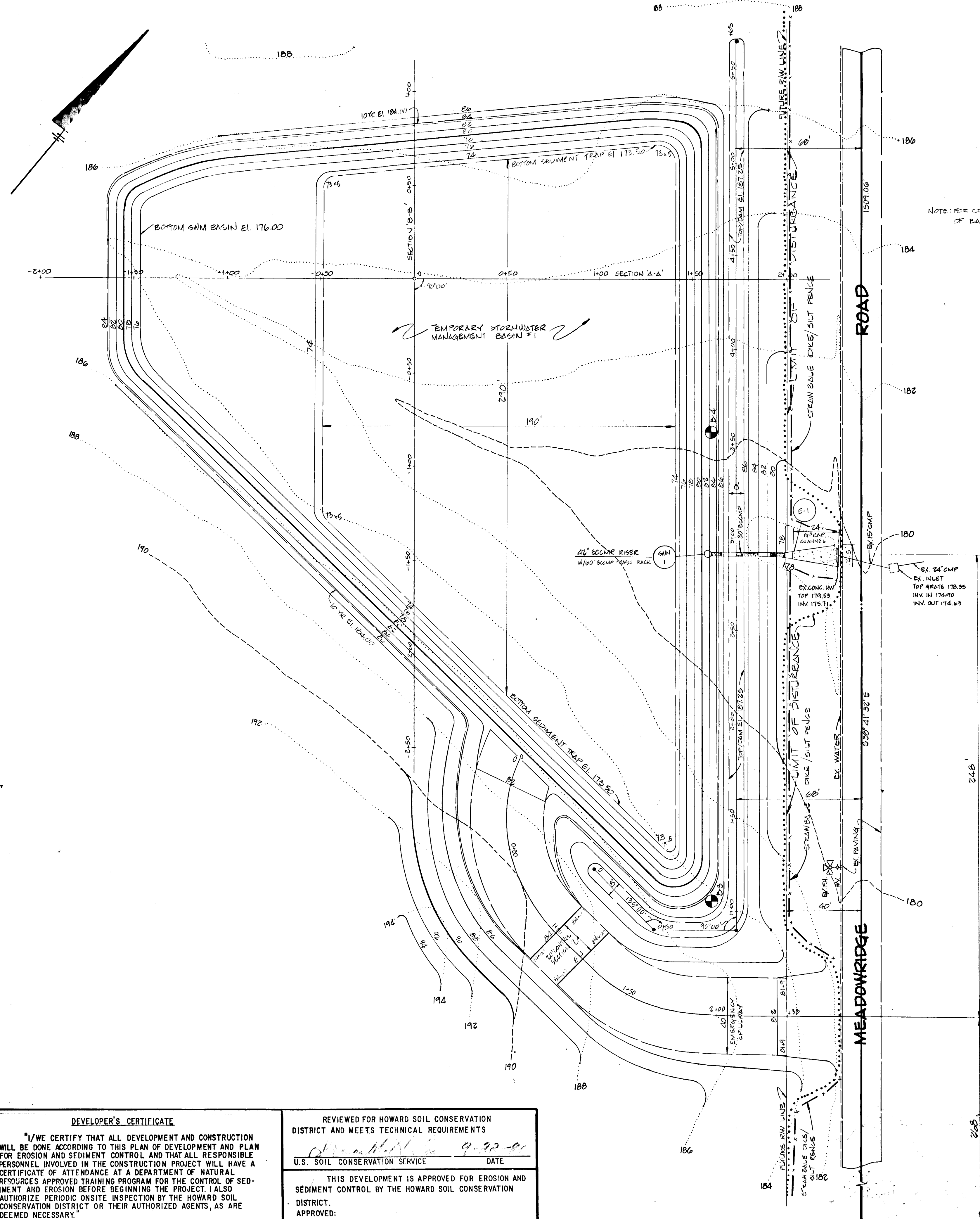
*Walter H. Fisher* 12/2/86  
CHIEF, LAND DEVELOPMENT DIVISION DATE

**SEDIMENT CONTROL PLAN**  
**MEADOWRIDGE INDUSTRIAL PARK**

TAX MAP 3144B  
PARCELS 177, 178, 342, 539 & P/O 375  
AND A RESUBDIVISION OF LOTS 6-13, 23-28, 35-37, 39, 45, 46 AND 49 WASHINGTON MANOR PARK.

14 ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=100' MARCH 6, 1986  
REVISED: SEPTEMBER 16, 1986  
SHEET 2 OF 8

OWNER / DEVELOPER  
MEADOWRIDGE INDUSTRIAL PARTNERSHIP  
10005 OLD COLUMBIA ROAD  
COLUMBIA, MD. 21046



NOTE: FOR SEDIMENT CONTROL FEATURES IN AREA OF BASIN #1 SEE SHEET 10F B

PROPERTY OF  
MEADOWRIDGE MEMORIAL PARK, INC.  
151/30

- DESIGN DATA  
TEMPORARY STORM WATER  
MANAGEMENT BASIN #1
1. DRAINAGE AREA TO BASIN: 78.90 AC. ±
  2. BASIN CLASS: 1
  3. HEIGHT OF DAM: 8.90'
  4. TOP WIDTH OF DAM: 8'
  5. SIDE SLOPES: UPSTREAM 2:1  
DOWNSTREAM 2-1/2:1
  6. VOLUME REQUIRED: 13,571 AC.FT.
  7. VOLUME PROVIDED: 13,910 AC.FT.
  8. TOP OF DAM EL.: 187.25
  9. 10 YEAR STORM STORAGE EL.: 184.00
  10. BOTTOM OF POND EL.: 176.00
  11. SEDIMENT STORAGE VOLUME REQUIRED: 3,277 AC.FT.
  12. SEDIMENT STORAGE VOLUME PROVIDED: 3,303 AC.FT.
  13. SEDIMENT TRAP SIZE (BOTTOM DIMENSIONS): 190'x290'
  14. TRAP DEPTH: 2.5'
  15. SIDE SLOPES: 2:1
  16. SEDIMENT STORAGE EL.: 176.00
  17. SEDIMENT TRAP CLEANOUT EL.: 174.50
  18. SEDIMENT TRAP BOTTOM EL.: 173.50

APPROVED: DEPARTMENT OF PUBLIC WORKS.  
FOR PUBLIC WATER & SEWER AND STORM DRAINAGE  
SYSTEMS AND ROADS.

*[Signature]* 12/18/86 DATE  
DIRECTOR, PUBLIC WORKS

*[Signature]* 12/2/86 DATE  
CHIEF, BUREAU OF ENGINEERING



APPROVED:  
*[Signature]* 1/22/87 DATE  
CHIEF, LAND DEVELOPMENT DIVISION

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERS & LAND SURVEYORS  
8388 COURT AVENUE  
ELLCOTT CITY, MARYLAND 21043  
(301) 461-2855

ENGINEER'S CERTIFICATE  
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 1/19/87 DATE  
SIGNATURE OF ENGINEER

DEVELOPER'S CERTIFICATE  
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

*[Signature]* 1/19/87 DATE  
SIGNATURE OF DEVELOPER

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*[Signature]* 1/22/87 DATE  
U.S. SOIL CONSERVATION SERVICE

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

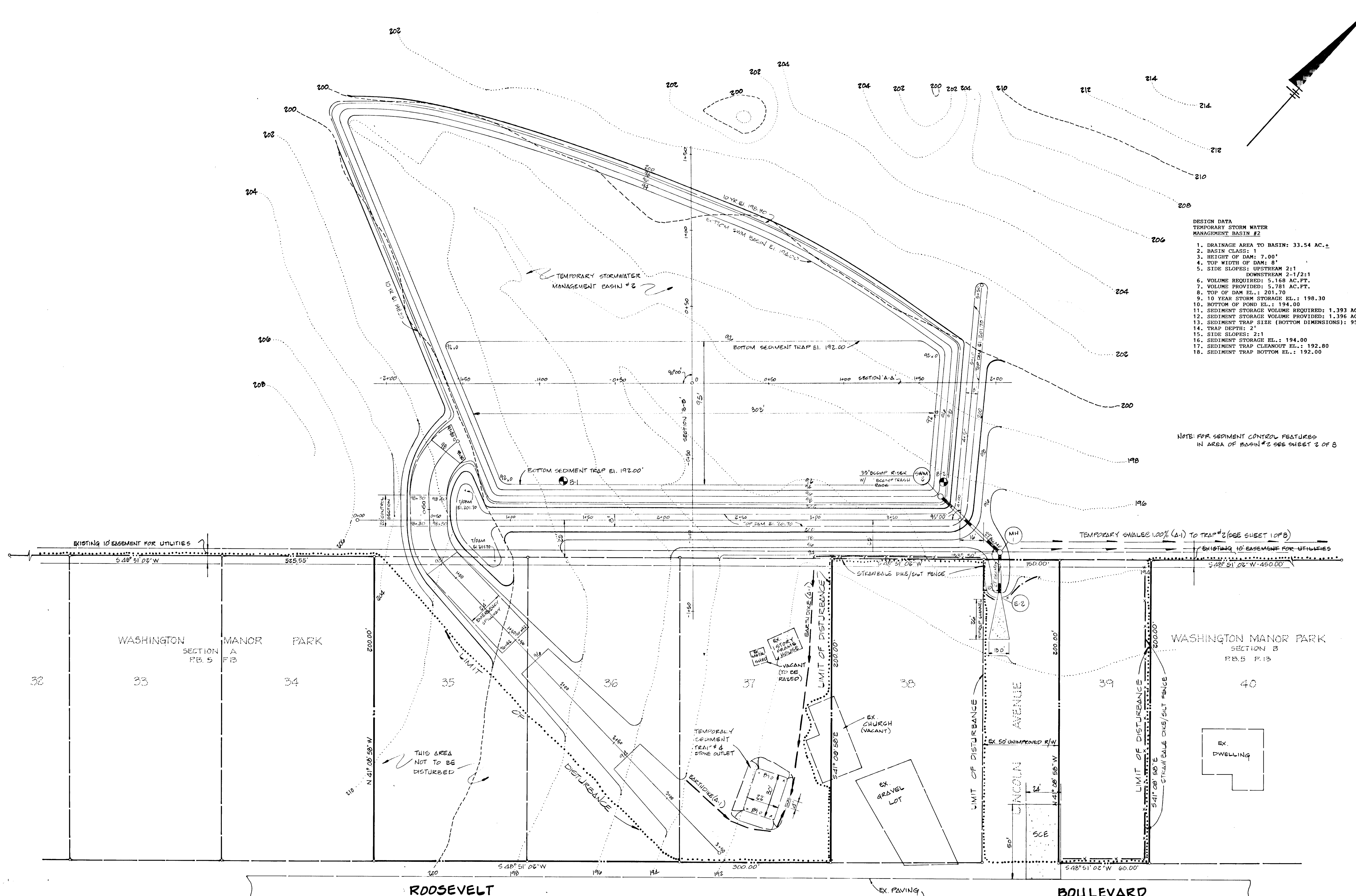
APPROVED:  
*[Signature]* 1/22/87 DATE  
DISTRICT HOWARD SOIL CONSERVATION DISTRICT

OWNER/DEVELOPER  
MEADOWRIDGE INDUSTRIAL PARTNERSHIP  
1005 OLD COLUMBIA ROAD  
COLUMBIA, MD. 21044

SEDIMENT CONTROL PLAN - BASIN NO. 1  
MEADOWRIDGE INDUSTRIAL PARK  
TAX MAP 374 43  
PARCELS 177, 178, 302, 304 & 7/0 375  
AND A RESUBDIVISION OF LOTS 6-13, 23-28, 35-37, 39, 45, 46 AND 49 WASHINGTON  
1ST ELECTION DISTRICT HOWARD COUNTY MD. MANOR PARK

MARCH 6, 1987  
SCALE: 1"=30'  
SHEET 3 OF 8  
REVISED: SEPTEMBER 16, 1986  
GF-86-46





- DESIGN DATA  
TEMPORARY STORM WATER  
MANAGEMENT BASIN #2
1. DRAINAGE AREA TO BASIN: 33.54 AC.±
  2. BASIN CLASS: 1
  3. HEIGHT OF DAM: 7.00'
  4. TOP WIDTH OF DAM: 8'
  5. SIDE SLOPES: UPSTREAM 2:1  
DOWNSTREAM 2-1/2:1
  6. VOLUME REQUIRED: 5,168 AC.FT.
  7. VOLUME PROVIDED: 5,781 AC.FT.
  8. TOP OF DAM EL.: 201.70
  9. 10 YEAR STORM STORAGE EL.: 198.30
  10. BOTTOM OF POND EL.: 194.00
  11. SEDIMENT STORAGE VOLUME REQUIRED: 1,393 AC.FT.
  12. SEDIMENT STORAGE VOLUME PROVIDED: 1,396 AC.FT.
  13. SEDIMENT TRAP SIZE (BOTTOM DIMENSIONS): 95'x303'
  14. TRAP DEPTH: 2'
  15. SIDE SLOPES: 2:1
  16. SEDIMENT STORAGE EL.: 194.00
  17. SEDIMENT TRAP CLEANOUT EL.: 192.80
  18. SEDIMENT TRAP BOTTOM EL.: 192.00

NOTE: FOR SEDIMENT CONTROL FEATURES  
IN AREA OF BASIN #2 SEE SHEET 2 OF 8

- DESIGN DATA  
TEMPORARY SEDIMENT TRAP #4
1. DRAINAGE AREA TO TRAP: 1.00 AC.±
  2. TYPE OF TRAP: STONE OUTLET
  3. VOLUME OF STORAGE REQUIRED: 67 C.Y.
  4. VOLUME OF STORAGE PROVIDED: 67 C.Y.
  5. TRAP SIZE (BOTTOM DIMENSIONS): 30'x22'
  6. TRAP DEPTH: 2.0'
  7. SIDE SLOPES: 2:1
  8. WEIR LENGTH: 4'
  9. CREST EL. OF WEIR: 192.00
  10. BOTTOM EL.: 189.00
  11. CLEANOUT EL.: 190.00

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERS & LAND SURVEYORS  
8388 COURT AVENUE  
ELLCOTT CITY, MARYLAND 21043  
(301) 461-2855

**ENGINEER'S CERTIFICATE**  
I HEREBY 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.

*Charles Collins*  
SIGNATURE OF ENGINEER  
9/15/86  
DATE

**DEVELOPER'S CERTIFICATE**  
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

*John Mikolasko*  
SIGNATURE OF DEVELOPER  
9/15/86  
DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*James P. ...*  
U.S. SOIL CONSERVATION SERVICE  
DATE: 9/15/86

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

APPROVED:  
*Stephen L. Fisher*  
DISTRICT  
HOWARD SOIL CONSERVATION DISTRICT  
DATE

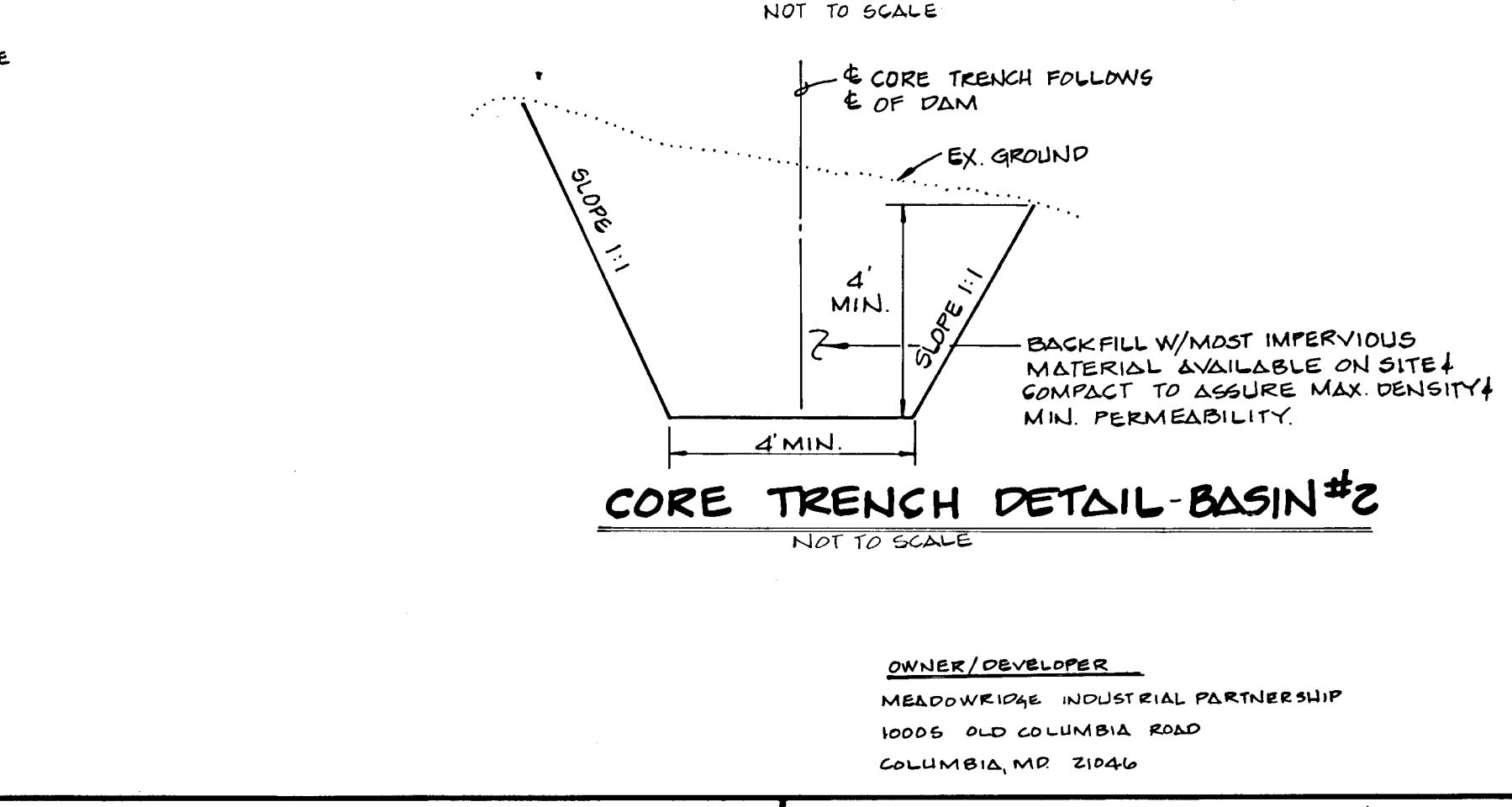
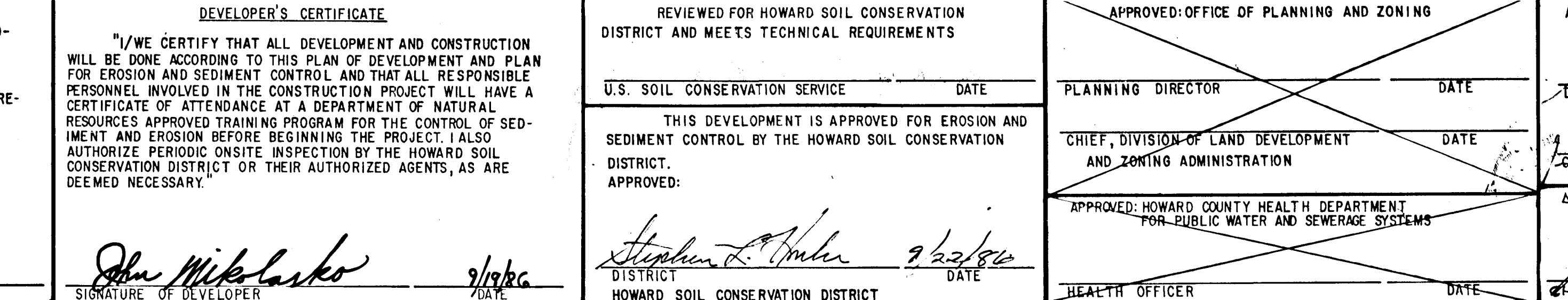
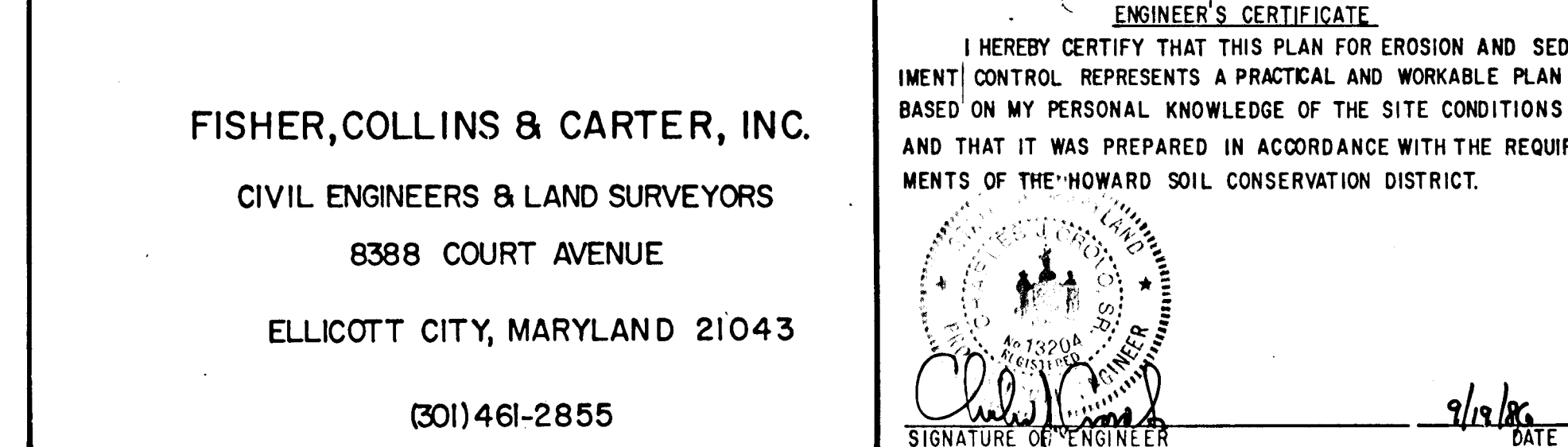
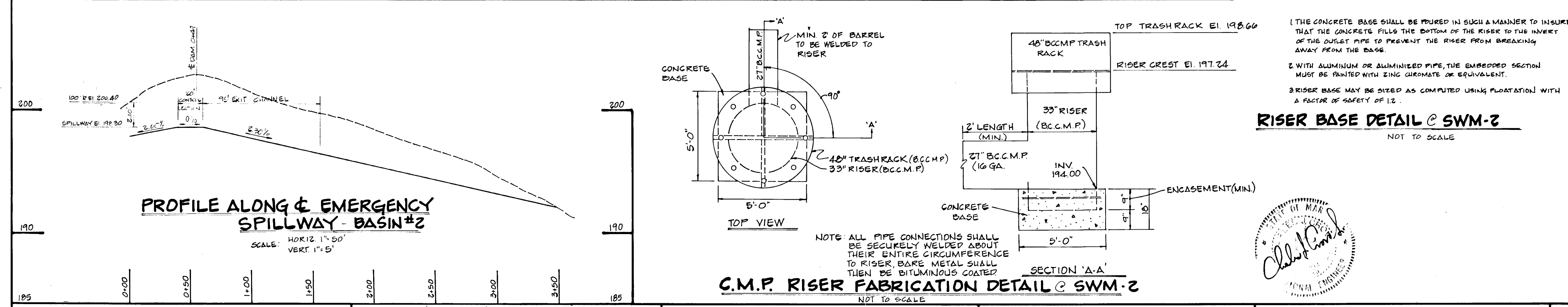
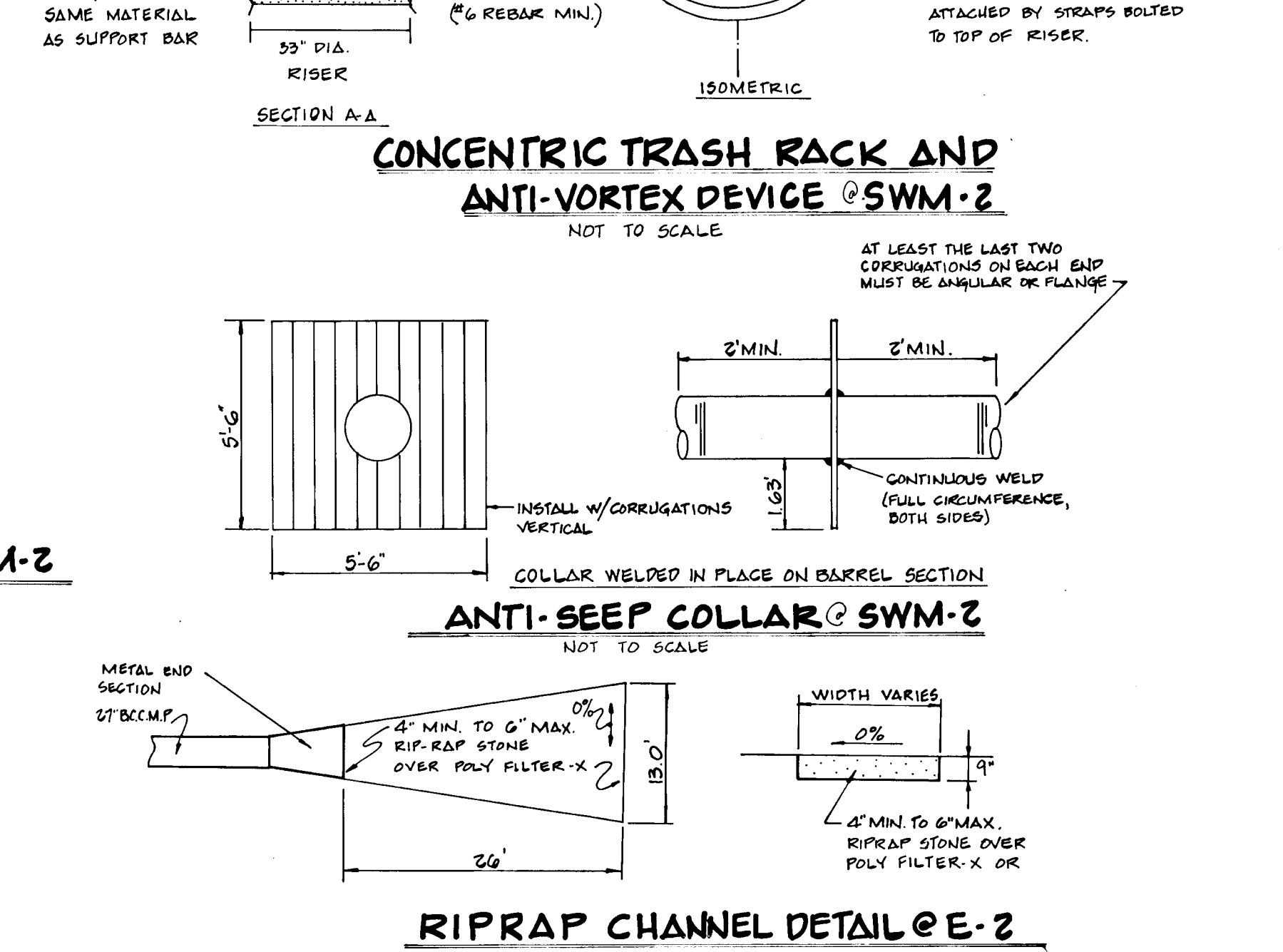
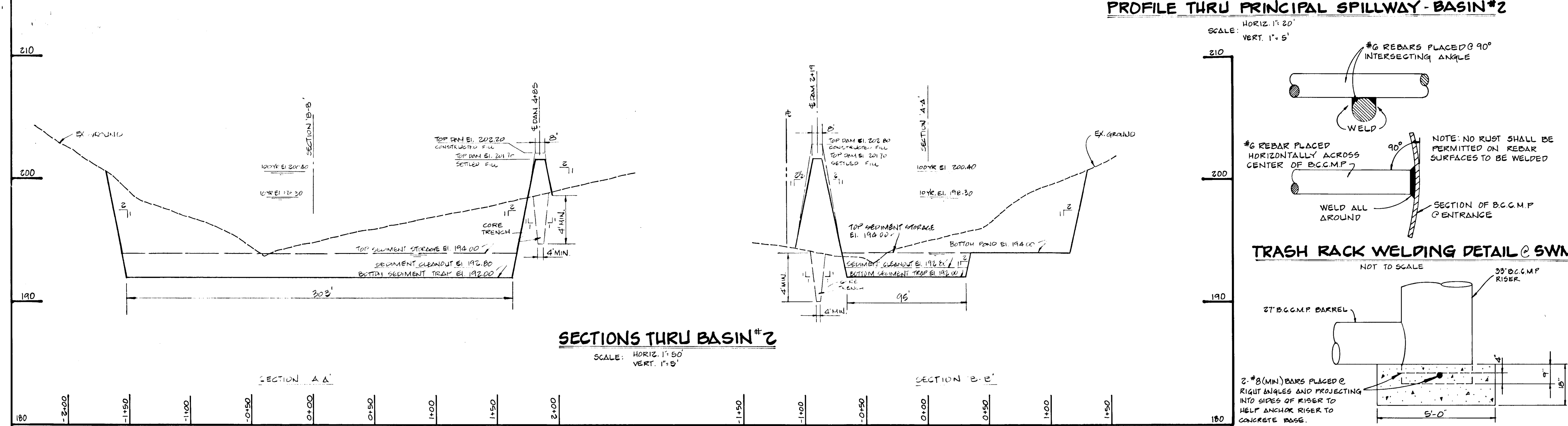
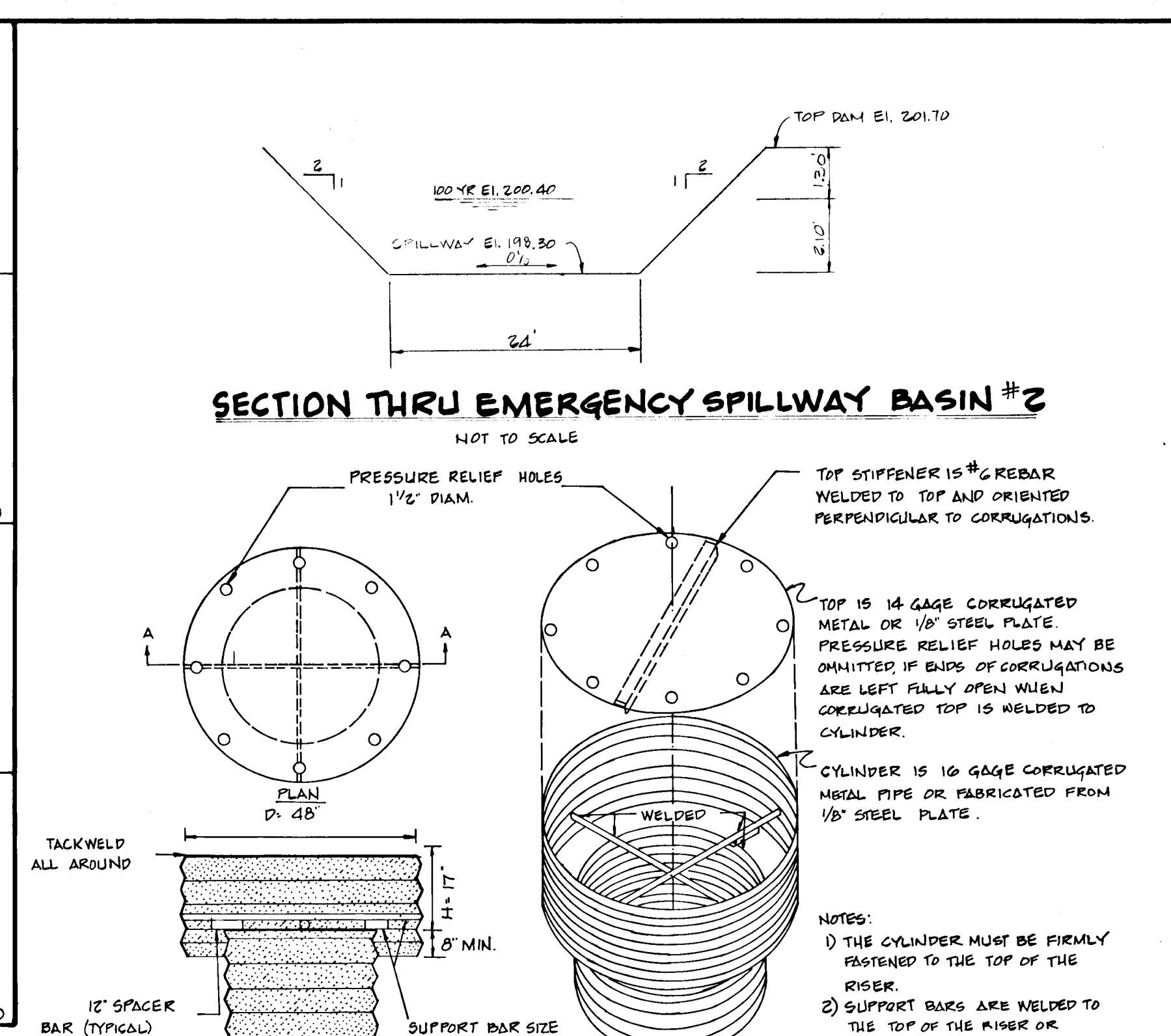
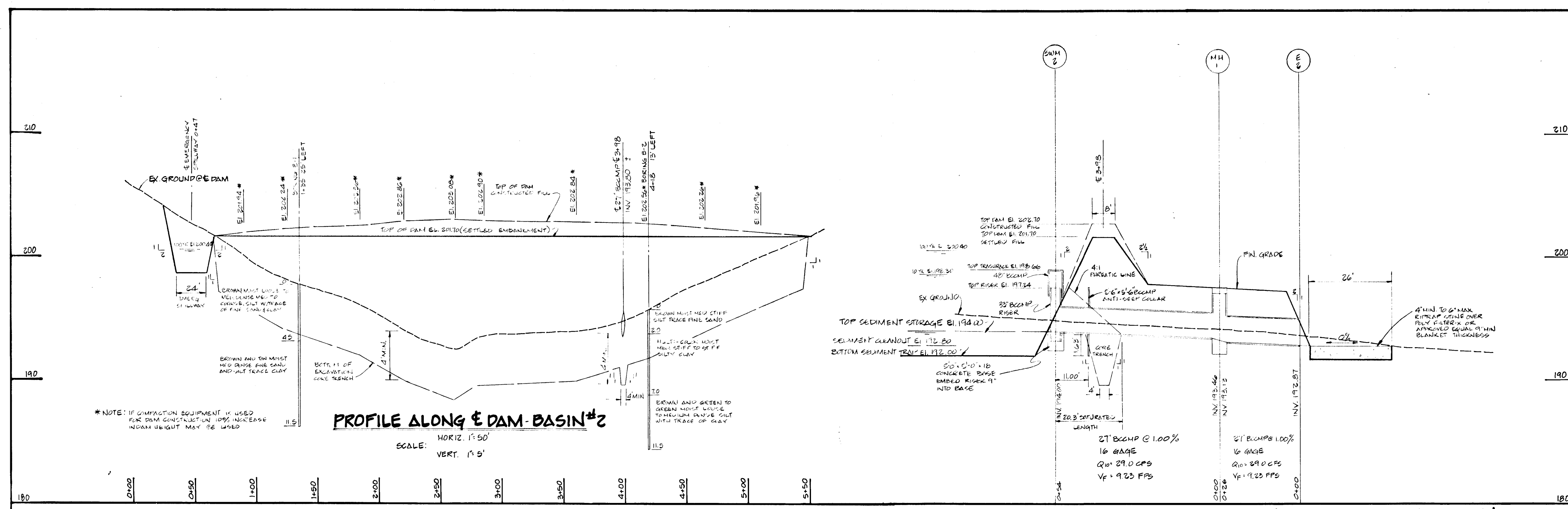
APPROVED: DEPARTMENT OF PUBLIC WORKS, FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

*James P. ...*  
DIRECTOR, PUBLIC WORKS  
DATE: 12/18/86

*William L. ...*  
CHIEF, BUREAU OF ENGINEERING  
DATE: 1/27/87

APPROVED:  
*William L. ...*  
CHIEF, LAND DEVELOPMENT DIVISION  
DATE: 1/27/87

**SEDIMENT CONTROL PLAN - BASIN NO. 2**  
**MEADOWRIDGE INDUSTRIAL PARK**  
TAX MAP 374-45  
PARCELS 171, 178, 362, 537 & 710-975  
AND A RESUBDIVISION OF LOTS 6-12, 23-28, 35-37, 39, 45, 46 AND 47 WASHINGTON MANOR PARK  
1st ELECTION DISTRICT  
HOWARD COUNTY, MD  
SCALE: 1"=30'  
MARCH 6, 1986  
REVISED: SEPTEMBER 16, 1986  
SHEET 5 OF 8  
GP-86-46



**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERS & LAND SURVEYORS  
 8388 COURT AVENUE  
 ELLICOTT CITY, MARYLAND 21043  
 (301) 461-2855

**ENGINEER'S CERTIFICATE**  
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
 Signature: *Chad Collins*  
 DATE: 9/19/86

**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.  
 Signature: *John Mikulasko*  
 DATE: 9/19/86

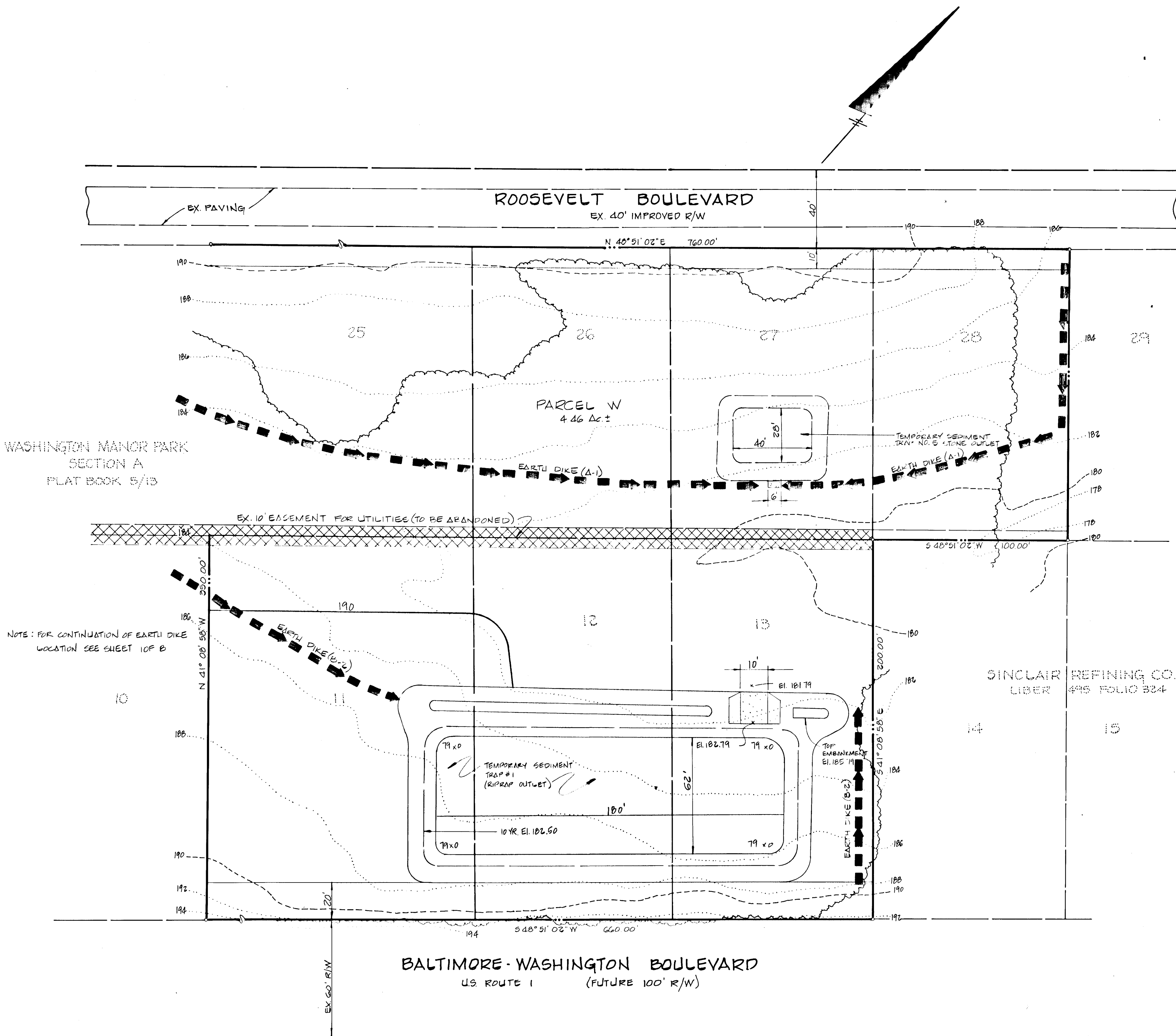
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
 U.S. SOIL CONSERVATION SERVICE DATE: \_\_\_\_\_  
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: *Stephen L. Miller* 9/23/86  
 DISTRICT HOWARD SOIL CONSERVATION DISTRICT

APPROVED: OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR DATE: \_\_\_\_\_  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE: \_\_\_\_\_  
 APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS  
 HEALTH OFFICER DATE: \_\_\_\_\_

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.  
 DIRECTOR, PUBLIC WORKS DATE: \_\_\_\_\_  
 CHIEF, BUREAU OF ENGINEERING DATE: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_  
 CHIEF, LAND DEVELOPMENT DIVISION DATE: \_\_\_\_\_

**NOTES AND DETAILS-BASIN#2**  
**MEADOWRIDGE INDUSTRIAL PARK**  
 TAX MAP 374 43  
 PARCELS 177, 178, 342, 539 & P10 375  
 AND A RESUBDIVISION OF LOTS 6-13, 23-28, 35-37, 39, 45, 46 AND 44 WASHINGTON MANOR PARK.  
 164 ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN MARCH 6, 1986  
 REVISED: SEPTEMBER 16, 1986  
 SHEET 6 OF 8





- DESIGN DATA  
TEMPORARY SEDIMENT TRAP #1**
1. DRAINAGE AREA TO TRAP: 8.74 AC. ±
  2. TYPE OF TRAP: RIP RAP OUTLET
  3. VOLUME OF STORAGE REQUIRED: 1.020 AC. FT.
  4. VOLUME OF STORAGE PROVIDED: 1.041 AC. FT.
  5. TRAP SIZE (BOTTOM DIMENSIONS): 62' x 180'
  6. TRAP DEPTH: 3.5'
  7. SIDE SLOPES: 2:1
  8. WEIR LENGTH: 10.0'
  9. MAX. DEPTH OF FLOW IN WEIR: 2.0'
  10. CREST EL. OF WEIR: 181.79
  11. 10 YEAR STORM STORAGE EL.: 182.50
  12. TOP EMBANKMENT EL.: 185.79
  13. BOTTOM EL.: 179.08
  14. SEDIMENT STORAGE VOLUME REQUIRED: 0.363 AC. FT.
  15. SEDIMENT STORAGE PROVIDED: 0.363 AC. FT.
  16. SEDIMENT STORAGE EL.: 180.32
  17. SEDIMENT CLEANOUT EL.: 179.54

- DESIGN DATA  
TEMPORARY SEDIMENT TRAP #5**
1. DRAINAGE AREA TO TRAP: 1.52 AC. ±
  2. TYPE OF TRAP: STONE OUTLET
  3. VOLUME OF STORAGE REQUIRED: 102 C. Y.
  4. VOLUME OF STORAGE PROVIDED: 105 C. Y.
  5. TRAP SIZE (BOTTOM DIMENSIONS): 40' x 28'
  6. TRAP DEPTH: 2.0'
  7. SIDE SLOPES: 2:1
  8. WEIR LENGTH: 6'
  9. CREST EL. OF WEIR: 181.00
  10. BOTTOM EL.: 178.00
  11. CLEANOUT EL.: 179.00



**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERS & LAND SURVEYORS  
 8388 COURT AVENUE  
 ELLICOTT CITY, MARYLAND 21043  
 (301) 461-2855

**ENGINEER'S CERTIFICATE**  
 I HEREBY 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.

*Charles J. Carter*  
 SIGNATURE OF ENGINEER  
 9/12/86  
 DATE

**DEVELOPER'S CERTIFICATE**  
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

*John Mikolasko*  
 SIGNATURE OF DEVELOPER  
 9/12/86  
 DATE

**REVIEWED FOR TECHNICAL REQUIREMENTS  
 DISTRICT AND MEETS TECHNICAL REQUIREMENTS**

*Stephen P. Pugh*  
 U.S. SOIL CONSERVATION SERVICE DATE: 9-22-86

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED:  
*Stephen P. Pugh*  
 DISTRICT HOWARD SOIL CONSERVATION DISTRICT DATE: 9/22/86

**APPROVED: OFFICE OF PLANNING AND ZONING**

*[Signature]*  
 PLANNING DIRECTOR DATE: \_\_\_\_\_

*[Signature]*  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE: \_\_\_\_\_

*[Signature]*  
 APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS  
 HEALTH OFFICER DATE: \_\_\_\_\_

**APPROVED: DEPARTMENT OF PUBLIC WORKS  
 FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.**

*[Signature]*  
 DIRECTOR, PUBLIC WORKS DATE: \_\_\_\_\_

*[Signature]*  
 CHIEF, BUREAU OF ENGINEERING DATE: \_\_\_\_\_

**APPROVED:**  
*[Signature]*  
 CHIEF, LAND DEVELOPMENT DIVISION DATE: \_\_\_\_\_

**SEDIMENT CONTROL PLAN: TRAP #1 & 5  
 MEADOWIDGE INDUSTRIAL PARK**

TAX MAP 374 43  
 PARCELS 177, 178, 362, 539 & P/O 375  
 AND A RESUBDIVISION OF LOTS 6, 13, 23, 28, 35, 37, 39, 46, 46  
 AND 49 WASHINGTON MANOR PARK

1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 30'  
 MARCH 6, 1986  
 REVISOR: SEPTEMBER 16, 1986  
 SHEET 8 OF 8

**OWNER/DEVELOPER**  
 MEADOWIDGE INDUSTRIAL PARK  
 10000 OLD COLUMBIA ROAD  
 COLUMBIA, MD 21046