

LEGEND

| | |
|----------|-----------------------|
| [Symbol] | MEADOW |
| [Symbol] | WOODS |
| [Symbol] | HYDRAULIC REACH |
| [Symbol] | HYDROLOGIC SOIL GROUP |

*A *B *C
*D

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 inspections by the Howard Soil Conservation District.
Keith D. Mohr 4/27/89
 N.Y. LAND INC.

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.
Thomas W. Wiley 4/26/89
 THOMAS W. WILEY, M.S. REG. NO. 12720

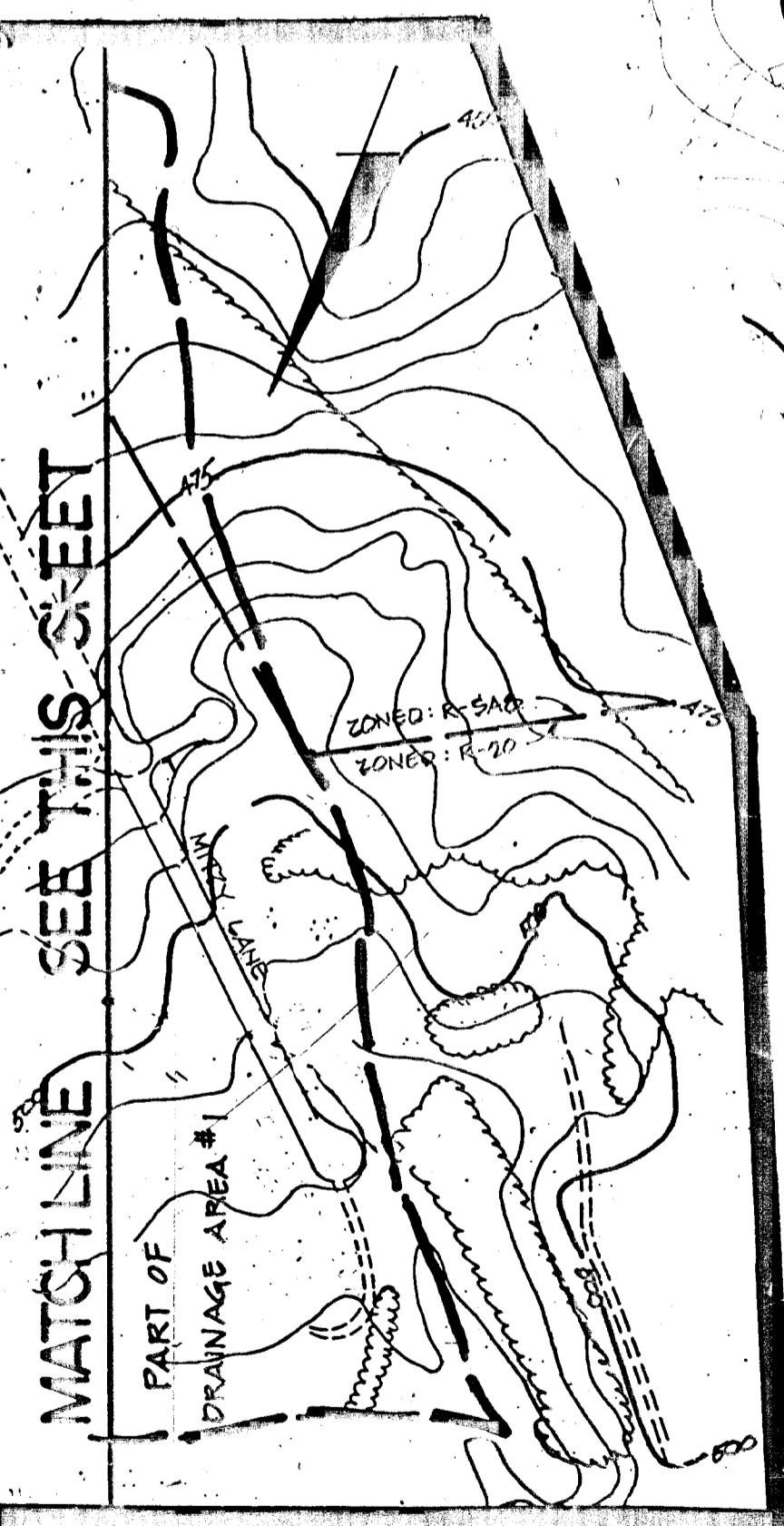
These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.
Charles W. Zilch 5-16-89
 U.S. SOIL CONSERVATION SERVICE

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
Robert W. Zilch 5/16/89
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Charles S. D. Smith 7/2/89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William H. Whiteland 6/15/89
 CHIEF, BUREAU OF HIGHWAYS
William E. Roy 6/15/89
 CHIEF, BUREAU OF ENGINEERING

*NOTE: HYDROLOGIC SOIL GROUPS ARE INDICATED AS A, B, C, D
 SEE SHEET 3 OF 15 FOR SOILS MAP

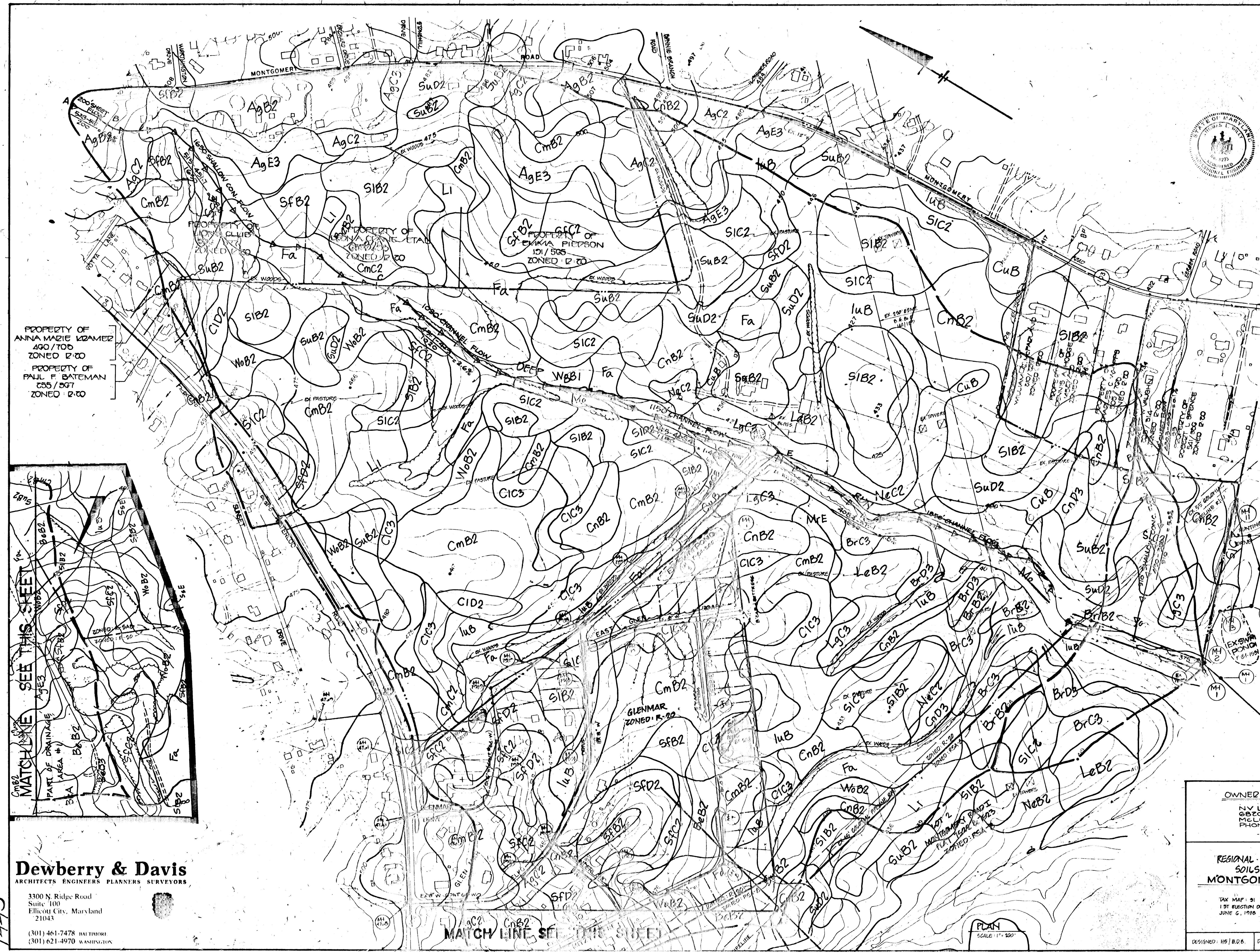


Dewberry & Davis
 ARCHITECTS ENGINEERS PLANNERS SURVEYORS
 3300 N. Ridge Road
 Suite 100
 Ellicott City, Maryland
 21043
 (301) 461-7478 BALTIMORE
 (301) 621-4970 WASHINGTON

OWNER AND DEVELOPER
 NYLAND INC.
 6820 ELM STREET
 MCLEAN, VA 22101
 PHONE (703) 734-9730

REGIONAL STORMWATER MANAGEMENT FACILITY DRAINAGE AREA MAP (EXISTING CONDITIONS) MONTGOMERY MEADOWS SECTION ONE
 TAX MAP: 01 SECTION: 01 PARCEL: 429
 1ST ELECTION DISTRICT: HOWARD COUNTY, MD. SCALE: 1"=200'
 JUNE 6, 1978 SHEET 2 OF 13

DESIGNED: H.B.D.B. DRAWN: W.K.F./D.M.P. CHECKED: B.D.B. APPROVED: T.S.W.
 DATE: 7/2/89 DATE: 7/2/89 DATE: 7/2/89



DEVELOPER'S CERTIFICATE
 I certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a 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 inspections by the Howard Soil Conservation District.
Kevin D. Mohr 4/27/89
 OWNER: NV LAND INC.

ENGINEER'S CERTIFICATE
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Thomas L. Wiley 4/16/89
 THOMAS L. WILEY MD REG. NO. 9275

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.
Robert W. Zick 5-16-89
 ROBERT W. ZICK MD REG. NO. 9275

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
Robert W. Zick 5/16/89
 ROBERT W. ZICK MD REG. NO. 9275

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Wash. J. Langley 7/4/89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James W. Wilson 6/16/89
 CHIEF, LAND DEVELOPMENT DIVISION
James W. Wilson 6/16/89
 CHIEF, BUREAU OF HIGHWAYS
James W. Wilson 6/16/89
 CHIEF, BUREAU OF ENGINEERING

NOTE:
 SEE DRAINAGE AREA MAP (SHEET 2) FOR DRAINAGE AREAS & REACHES

***NOTE:** HYDROLOGIC SOIL GROUPS ARE INDICATED AS A, B, C, D

SOILS LEGEND

| SYMBOL | NAME |
|--------|--|
| AgB2 | Agly, 2 to 8 percent slopes, moderately eroded |
| AgC2 | Agly, 8 to 15 percent slopes, moderately eroded |
| AgE3 | Agly, 15 to 25 percent slopes, severely eroded |
| BaB2 | Barely, 2 to 8 percent slopes, moderately eroded |
| BaC2 | Barely, 8 to 15 percent slopes, moderately eroded |
| BaE3 | Barely, 15 to 25 percent slopes, severely eroded |
| BrB2 | Barely, 2 to 8 percent slopes, moderately eroded |
| BrC2 | Barely, 8 to 15 percent slopes, moderately eroded |
| BrE3 | Barely, 15 to 25 percent slopes, severely eroded |
| CnB2 | Clayey, 2 to 8 percent slopes, moderately eroded |
| CnC2 | Clayey, 8 to 15 percent slopes, moderately eroded |
| CnE3 | Clayey, 15 to 25 percent slopes, severely eroded |
| Li | Loam, 2 to 8 percent slopes, moderately eroded |
| LuB | Loam, 8 to 15 percent slopes, moderately eroded |
| LuE | Loam, 15 to 25 percent slopes, severely eroded |
| Ma | Medium, 2 to 8 percent slopes, moderately eroded |
| Me | Medium, 8 to 15 percent slopes, moderately eroded |
| MeE | Medium, 15 to 25 percent slopes, severely eroded |
| MrE | Medium, 2 to 8 percent slopes, moderately eroded |
| NaC2 | Clayey, 8 to 15 percent slopes, moderately eroded |
| NaE3 | Clayey, 15 to 25 percent slopes, severely eroded |
| SaB2 | Sandy, 2 to 8 percent slopes, moderately eroded |
| SaC2 | Sandy, 8 to 15 percent slopes, moderately eroded |
| SaE3 | Sandy, 15 to 25 percent slopes, severely eroded |
| SfB2 | Sandy, 2 to 8 percent slopes, moderately eroded |
| SfC2 | Sandy, 8 to 15 percent slopes, moderately eroded |
| SfE3 | Sandy, 15 to 25 percent slopes, severely eroded |
| SuB2 | Sandy, 2 to 8 percent slopes, moderately eroded |
| SuC2 | Sandy, 8 to 15 percent slopes, moderately eroded |
| SuE3 | Sandy, 15 to 25 percent slopes, severely eroded |
| Wa | Working, 2 to 8 percent slopes, moderately eroded |
| Wb | Working, 8 to 15 percent slopes, moderately eroded |
| WbE | Working, 15 to 25 percent slopes, severely eroded |
| Wc | Working, 2 to 8 percent slopes, moderately eroded |
| Wd | Working, 8 to 15 percent slopes, moderately eroded |
| WdE | Working, 15 to 25 percent slopes, severely eroded |
| Wf | Working, 2 to 8 percent slopes, moderately eroded |
| Wg | Working, 8 to 15 percent slopes, moderately eroded |
| WgE | Working, 15 to 25 percent slopes, severely eroded |
| Wp | Working, 2 to 8 percent slopes, moderately eroded |
| Wq | Working, 8 to 15 percent slopes, moderately eroded |
| WqE | Working, 15 to 25 percent slopes, severely eroded |
| Ws | Working, 2 to 8 percent slopes, moderately eroded |
| Wt | Working, 8 to 15 percent slopes, moderately eroded |
| WtE | Working, 15 to 25 percent slopes, severely eroded |
| Wv | Working, 2 to 8 percent slopes, moderately eroded |
| Ww | Working, 8 to 15 percent slopes, moderately eroded |
| WwE | Working, 15 to 25 percent slopes, severely eroded |
| Wx | Working, 2 to 8 percent slopes, moderately eroded |
| Wy | Working, 8 to 15 percent slopes, moderately eroded |
| WyE | Working, 15 to 25 percent slopes, severely eroded |
| Wz | Working, 2 to 8 percent slopes, moderately eroded |
| WzE | Working, 15 to 25 percent slopes, severely eroded |

SEE U.S.D.A. SOILS MAP NO. 20125

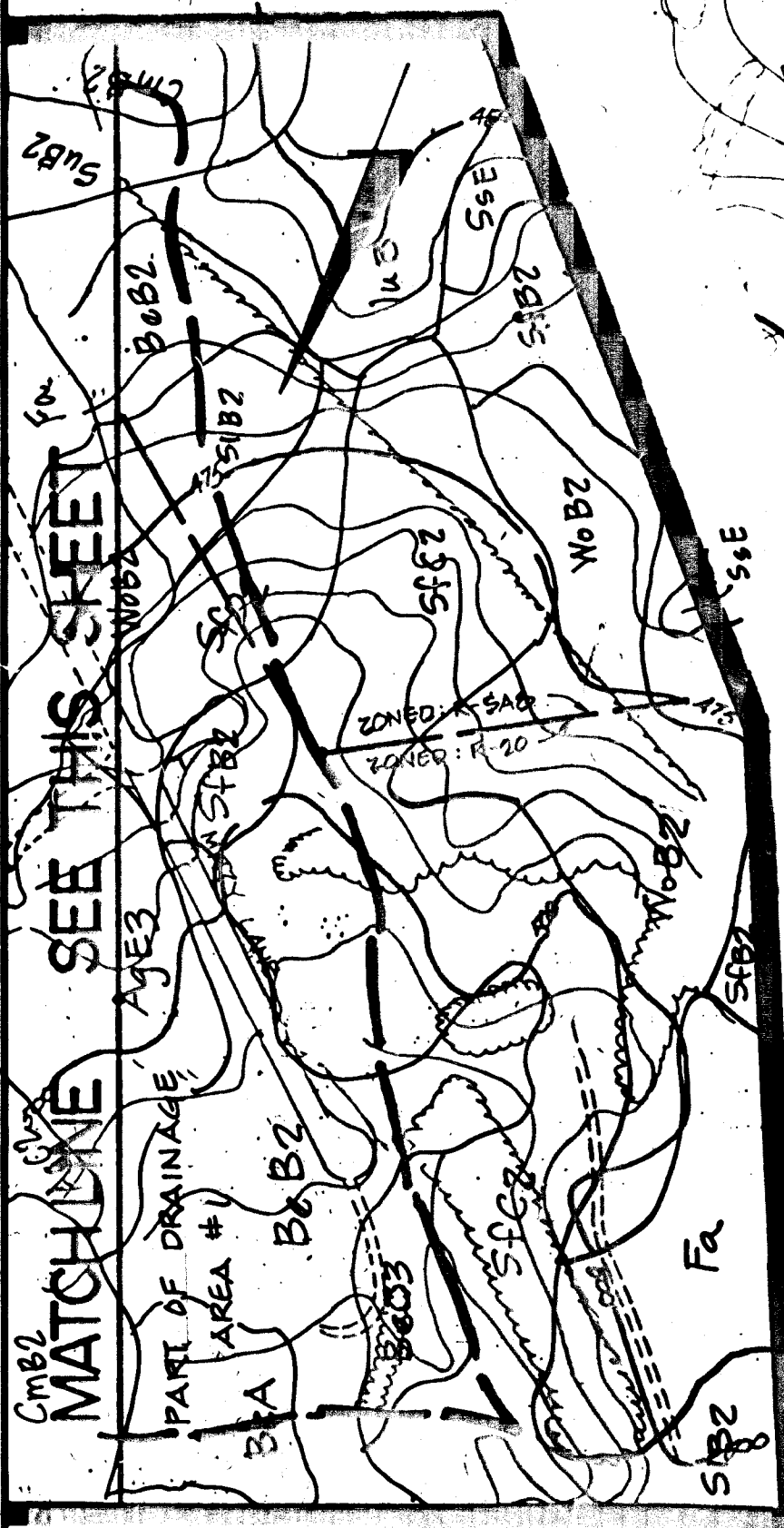
OWNED AND DEVELOPED
 NV LAND INC.
 6820 ELM STREET
 MCLEAN, VA 22101
 PHONE (703) 734-9730

**REGIONAL STORMWATER MANAGEMENT FACILITY,
 SOILS MAP (EXISTING CONDITIONS)
 MONTGOMERY MEADOWS**

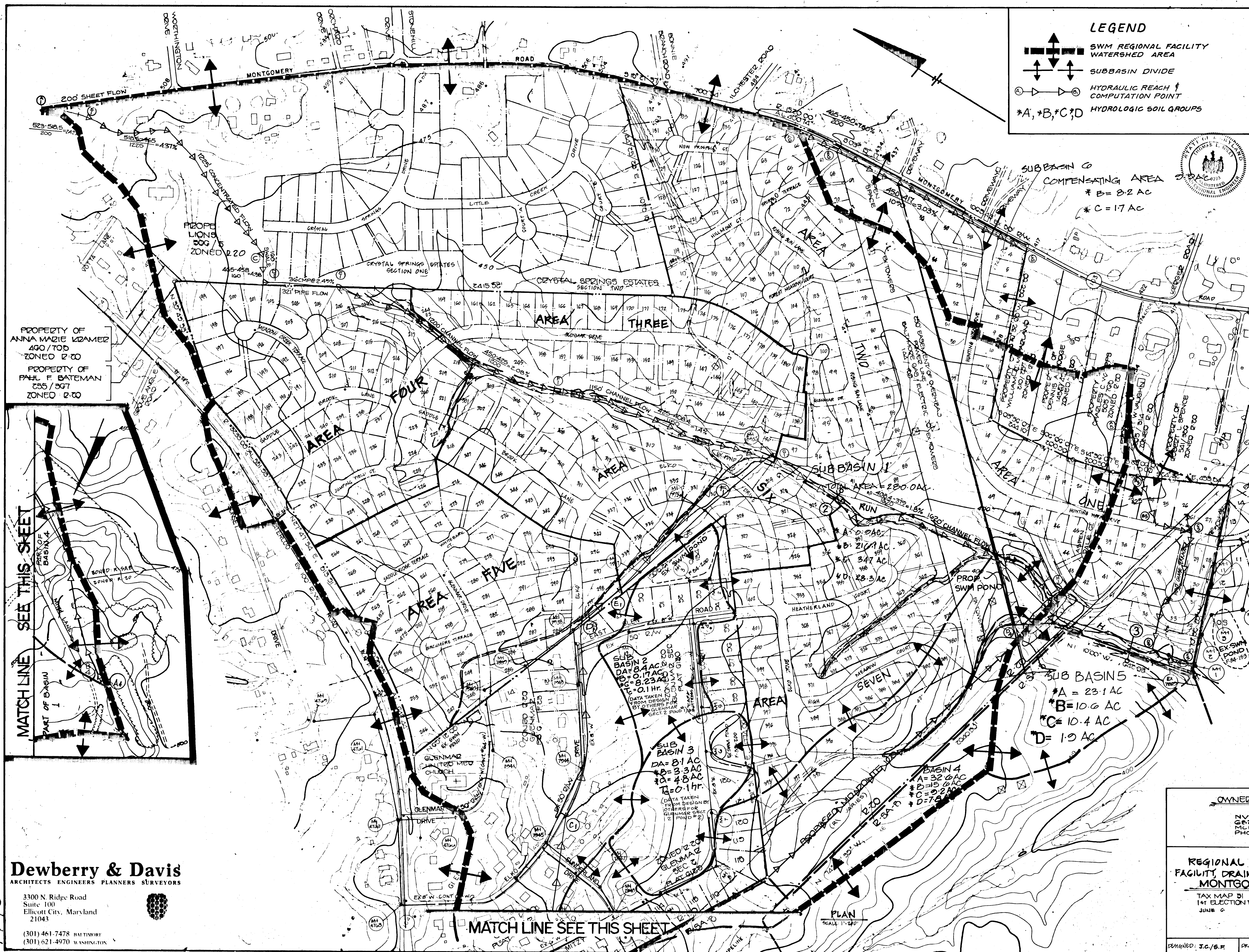
SECTION ONE
 TAX MAP: 91 PARCEL: 423
 1ST ELECTION DISTRICT HOWARD COUNTY, MD.
 JUNE 6, 1986 SCALE: 1"=200'
 SHEET 3 OF 13

DESIGNED: HB/BDB DRAWN: DN/D CHECKED: BDB APPROVED: TLW

PROPERTY OF ANINA MAZIE KRAMER 490/700 ZONED R-20
 PROPERTY OF PAUL F. BATEMAN 655/397 ZONED R-20



Dewberry & Davis
 ARCHITECTS ENGINEERS PLANNERS SURVEYORS
 3300 N. Ridge Road
 Suite 100
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 21043
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 (301) 621-4970 WASHINGTON



LEGEND

- SWM REGIONAL FACILITY WATERSHED AREA
- SUBBASIN DIVIDE
- HYDRAULIC REACH & COMPUTATION POINT
- *A, *B, *C, *D HYDROLOGIC SOIL GROUPS

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 inspections by the Howard Soil Conservation District."

Robert W. Zehm 4/27/89
 THOMAS L. WILEY, INC. 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."

Robert W. Zehm 4/27/89
 THOMAS L. WILEY, INC. DATE

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

Robert W. Zehm 5/16/89
 SOIL CONSERVATION SERVICE DATE

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

Robert W. Zehm 5/16/89
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Mark J. Ziemke 2/2/89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

William J. Ziemke 6/16/89
 CHIEF, LAND DEVELOPMENT DIVISION DATE

William J. Ziemke 6/15/89
 CHIEF, BUREAU OF HIGHWAYS DATE

William J. Ziemke 6/16/89
 CHIEF, BUREAU OF ENGINEERING DATE

PROPERTY OF ANNA MAZIE KRAMER 400/700 ZONED R-20

PROPERTY OF PAUL F. BATEMAN 255/367 ZONED R-20

MATCH LINE SEE THIS SHEET

ZONED R-20
 HUNT COUNTRY ESTATES
 PLAT # 5007

*NOTE: HYDROLOGIC SOIL GROUPS ARE INDICATED AS A, B, C, D
 SEE SOILS MAP SHEET 5 OF 13

Dewberry & Davis
 ARCHITECTS ENGINEERS PLANNERS SURVEYORS

3300 N. Ridge Road
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 21043

(301) 461-7478 BALTIMORE
 (301) 621-4970 WASHINGTON

OWNER AND DEVELOPER

NV LAND, INC.
 6820 ELM STREET
 GLENEA, VA 22110
 PHONE: (703) 734-9730

REGIONAL STORMWATER MANAGEMENT FACILITY DRAINAGE AREA MAP (ULTIMATE CONDITION) MONTGOMERY MEADOWS

TAX MAP 31 SECTION ONE PARCEL 400
 1st ELECTION DIST. HOWARD COUNTY MD
 1968 SCALE: 1"=200'
 SHEET 4 OF 13

DESIGNED: J.C./B.F. DRAWN: W.R.F./D.A.T./D.D. CHECKED: B.O.B. APPROVED: T.L.W.

1443

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 inspections by the Howard Soil Conservation District.

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APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED HOWARD COUNTY BUREAU OF HIGHWAYS

APPROVED HOWARD COUNTY BUREAU OF ENGINEERING

ZONED R-20 HUNT COUNTRY ESTATES PLAT # 5507

*NOTE: HYDROLOGIC SOIL GROUPS ARE INDICATED AS A, B, C, D

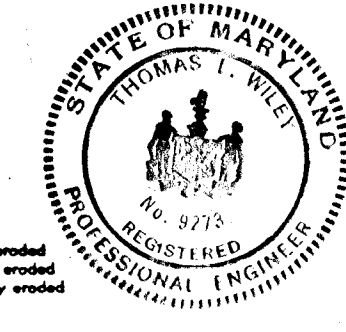
NOTE: SEE DRAWING AREA MAP (SHEET 4) FOR DRAINAGE AREAS AND REACHES.

OWNED AND DEVELOPED BY NV LAND, INC. 6820 ELM STREET PLEASANT VA 22109 PHONE (703) 734-9730

REGIONAL STORMWATER MANAGEMENT FACILITY, SOILS MAP - (ULTIMATE CONDITION) MONTGOMERY MEADOWS TAX MAP 31 SECTION ONE PARCEL 400 141 ELECTION DIST. HOWARD COUNTY MD JUNE 6, 1988 SCALE: 1"=200' SHEET 8 OF 13

DESIGNED: HS/BOB DRAWN: WKF/DMP, M3111 CHECKED: BOB APPROVED: TLN

Table with 2 columns: SYMBOL, NAME. Lists soil types such as AgB2, AgE2, AgE3, Cmb2, etc. with their corresponding symbols and descriptions.



PROPERTY OF ANNA MAZIE WAZEMZ 460/TOD ZONED R-20 PROPERTY OF PAUL F. BATEMAN 255/367 ZONED R-20

MATCHLINE SEE THIS SHEET

MATCHLINE SEE THIS SHEET

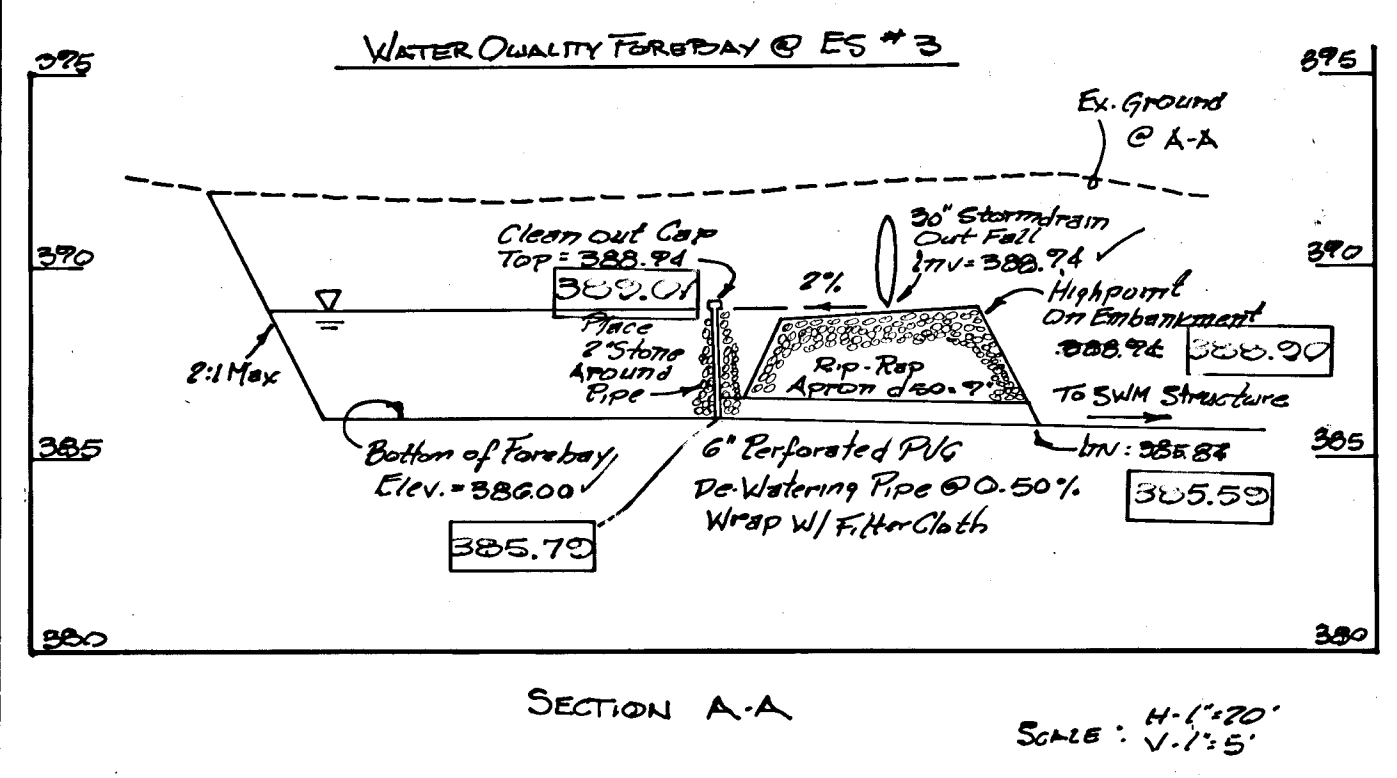
Dewberry & Davis ARCHITECTS ENGINEERS PLANNERS SURVEYORS 3300 N. Ridge Road Suite 100 Ellicott City, Maryland 21043 (301) 461-7478 BALTIMORE (301) 621-4970 WASHINGTON

BM #1 (LOCATION SEE SHEET 1 OF 12)
 3/4" REBAR 0.6' BELOW SURFACE T ± W OF ROUTE 103 ± 1400 ± 5.0' OF INTERSECTION WITH ILCHESTER ROAD
 ELEV. = 415.967

BM #2 (LOCATION SEE SHEET 1 OF 12)
 3/4" REBAR 0.6' BELOW SURFACE 10' ± W. EDGE OF ROUTE 103 ± 50' N. OF E. OF KENGER ROAD.
 ELEV. = 412.625

TRV. PT. #107
 @ N. 50° 22' 22.6112" E 85° 51' 16.1877"
 ELEV. = 384.29

TRV. PT. #108
 @ N. 50° 22' 22.6112" E 85° 51' 16.1877"
 ELEV. = 418.57



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Thomas W. Wiley 4/17/89
 THOMAS W. WILEY, NV LAND, INC. Date

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Thomas W. Wiley 4/16/89
 THOMAS W. WILEY, M.D. REG. NO. 9713 Date

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

Robert W. Zuber 5-16-89
 ROBERT W. ZUBER, NV LAND, INC. Date

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

Robert W. Zuber 5/16/89
 ROBERT W. ZUBER, NV LAND, INC. Date

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Frank S. Powell 2/4/89
 FRANK S. POWELL, JR., CHIEF, DIVISION OF LAND DEVELOPMENT AND COMMUNITY PLANNING Date

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Paul D. Seaton 6/16/89
 PAUL D. SEATON, CHIEF, LAND DEVELOPMENT DIVISION Date

Dravello W. Williams 6/15/89
 DRAVELLO W. WILLIAMS, CHIEF, PUBLIC WORKS Date

Thomas W. Wiley 6-16-89
 THOMAS W. WILEY, NV LAND, INC. Date

DESIGN DATA TRAP #1
 1. DRAINAGE AREA TO TRAP: 0.81 AC. ±
 2. TYPE OF TRAP: STONE OUTLET SEDIMENT TRAP
 3. VOLUME REQUIRED: 24 C.Y.
 4. VOLUME PROVIDED: 83 C.Y.
 5. TRAP SIZE (BOTTOM DIMENSION): 25' x 20'
 6. TRAP DEPTH: 2.0'
 7. BOTTOM ELEVATION: 307.6
 8. CREST ELEVATION: 309.5
 9. CLEANOUT ELEVATION: 307.6
 10. OUTLET WIDTH: 4.0'
 11. SIDE SLOPE: 2:1

DESIGN DATA TRAP #2
 1. DRAINAGE AREA TO TRAP: 1.42 AC. ±
 2. TYPE OF TRAP: STONE OUTLET SEDIMENT TRAP
 3. VOLUME REQUIRED: 29 C.Y.
 4. VOLUME PROVIDED: 181 C.Y.
 5. TRAP SIZE (BOTTOM DIMENSION): 45' x 20'
 6. TRAP DEPTH: 3.0'
 7. BOTTOM ELEVATION: 381.0
 8. CREST ELEVATION: 385.0
 9. CLEANOUT ELEVATION: 382.50
 10. OUTLET WIDTH: 6.0'
 11. SIDE SLOPE: 2:1

DESIGN DATA TRAP #3
 1. DRAINAGE AREA TO TRAP: 0.00 AC. ±
 2. TYPE OF TRAP: STONE OUTLET SEDIMENT TRAP
 3. VOLUME REQUIRED: 46 C.Y.
 4. VOLUME PROVIDED: 71 C.Y.
 5. TRAP SIZE (BOTTOM DIMENSION): 25' x 20'
 6. TRAP DEPTH: 2.0'
 7. BOTTOM ELEVATION: 382.00'
 8. CREST ELEVATION: 389.00'
 9. CLEANOUT ELEVATION: 383.00'
 10. OUTLET WIDTH: 4.0'
 11. SIDE SLOPE: 2:1

RELEASE STRUCTURE DATUM
 2 YR. STORM ELEVATION: 388.49
 10 YR. STORM ELEVATION: 392.64
 100 YR. STORM ELEVATION: 397.35
 BOTTOM POND ELEVATION: 379.00
 ORIFICE INV. ELEV.: 378.91
 1ST. WEIR CREST ELEV.: 388.76
 RISER CREST ELEV.: 392.51
 60" BARREL INV. ELEV.: 378.51 (IN)
 60" BARREL INV. ELEV.: 378.00 (OUT)

TOP OF CONSTRUCTED DAM = 398.00
 TOP OF SETTLED DAM = 396.05

| DESIGNED | | DATE | | BY | | DESCRIPTION | |
|-------------|---------|------|----------|-----|--|---|--|
| JMC/SJW | 7/25/88 | date | | JMC | | SHOW STORM DRAIN FROM AREA ONE, RCV. WSEL | |
| DAT | 7/25/88 | date | | WED | | REVISED STORM WATER MAN. | |
| B.P. BURTON | 6/6/88 | date | 11/10/88 | MRS | | AS BUILT | |
| T.L. WILEY | 6/10/88 | date | | | | | |

Dewberry & Davis
 ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS
 3300 N. RIDGE ROAD, SUITE 100
 ELLICOTT CITY, MD. 21043
 (301) 461-7478

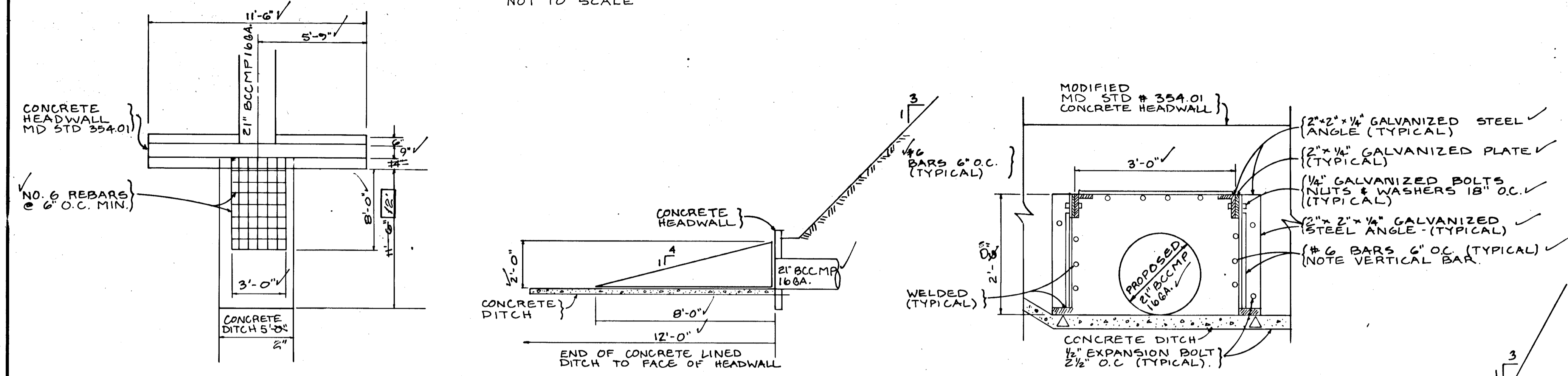
OWNER / DEVELOPER
 NV LAND, INC.
 6820 ELM STREET
 MCLEAN, VA. 22101
 PHONE: (703) 734-9730

STORMWATER MANAGEMENT PLAN / SEDIMENT CONTROL PLAN
MONTGOMERY MEADOWS
 SECTION ONE
 TAX MAP 31 PARCEL: 423 BLOCKS: 13, 14, 19 AND 20
 1ST ELECTION DISTRICT HOWARD CO., MARYLAND
 SCALE: 1" = 50' DATE: JUNE 6, 1988

1443

GALVANIZED REMOVABLE TRASH RACK

NOT TO SCALE



NOTE:
 THE TRASH RACK SHALL BE MADE IN THREE PICES, TWO SIDES AND THE TOP SHALL BE BOLTED TOGETHER AND THEN HOT DIPPED GALVANIZED.
 THE TRASH RACK SHALL BE PLACED AGAINST THE CONCRETE HEADWALL AND CHANNEL BOTTOM AND BOLTED SECURELY IN PLACE USING 1/4" EXPANSION BOLTS.
 THE #6 REBAR SHALL BE WELDED TO THE STEEL PLATES AND ANGLES USING FLARE BEVEL WELDS.
 THE STEEL PLATES AND ANGLES TO BE WELDED TOGETHER SHALL USE 1/4" FILLET OR 1/4" BUTT WELDS WHERE NECESSARY.

DEVELOPER'S CERTIFICATE

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Kevin S. Rubin 4/27/89
 KENNETH G. WILSON, INC. DATE

ENGINEER'S CERTIFICATE

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Thomas L. Wilsey 4/26/89
 THOMAS L. WILSEY MD. REG. NO. 9975 DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

John S. Taylor 5-16-89
 CHIEF, DIVISION OF LAND DEVELOPMENT AND COMMUNITY PLANNING DATE

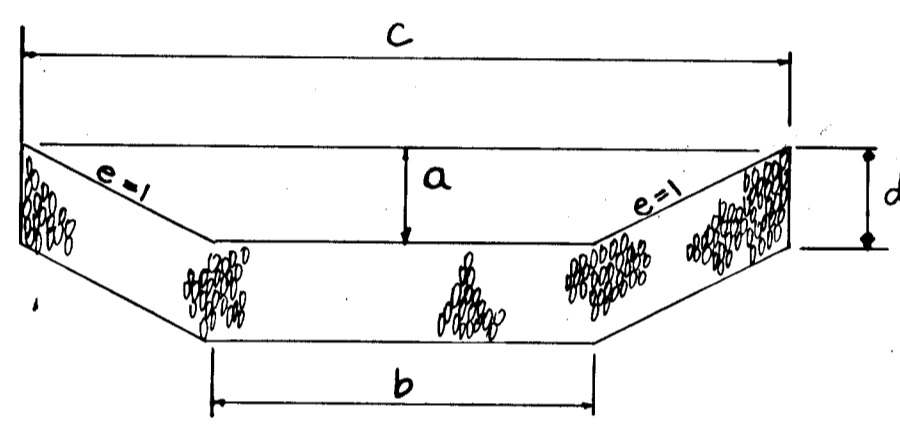
APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

William W. Wickham 5/16/89
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

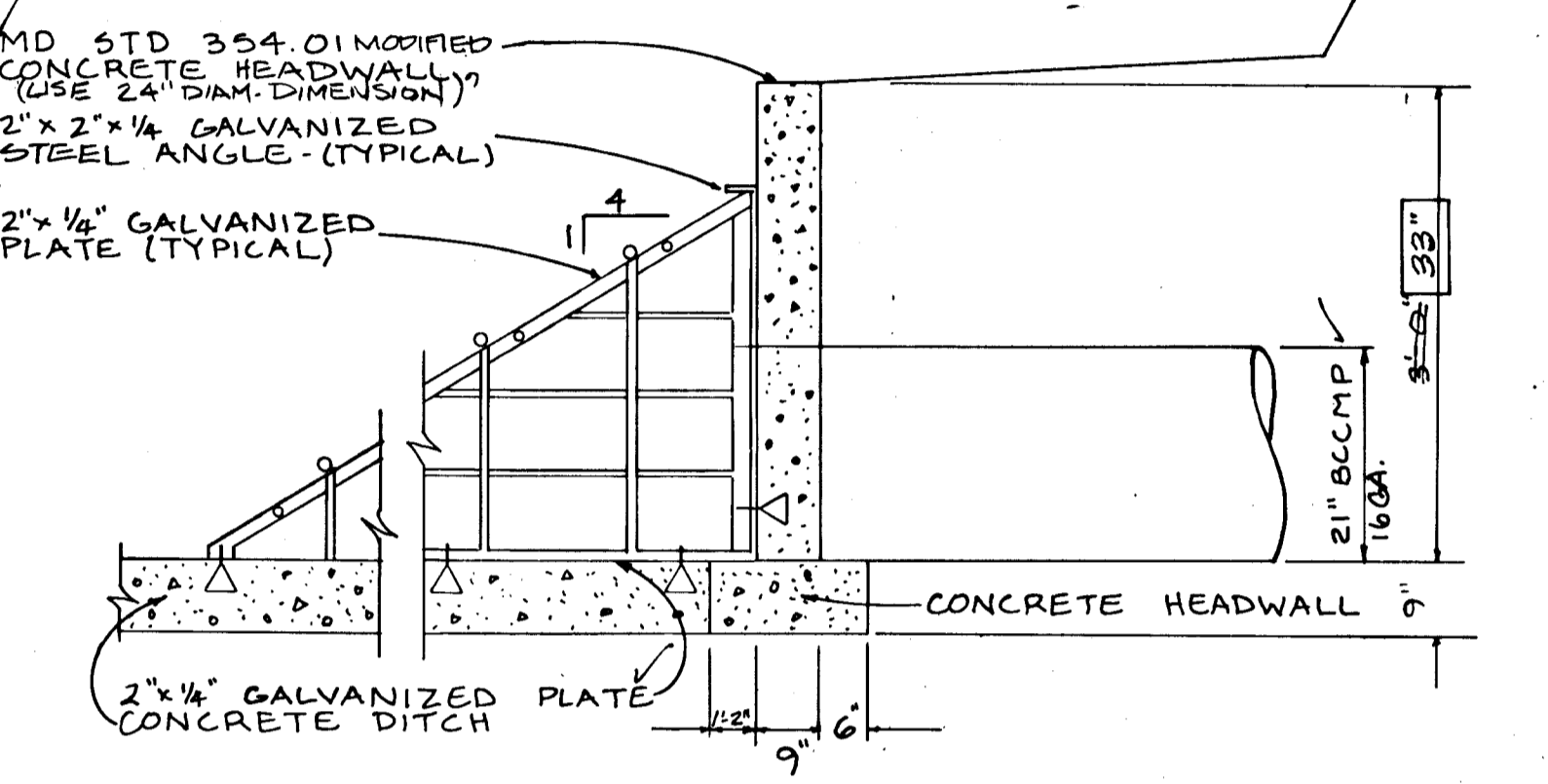
William W. Wickham 5/16/89
 CHIEF, BUREAU OF ENGINEERING DATE

RIP-RAP AT OUT FALL



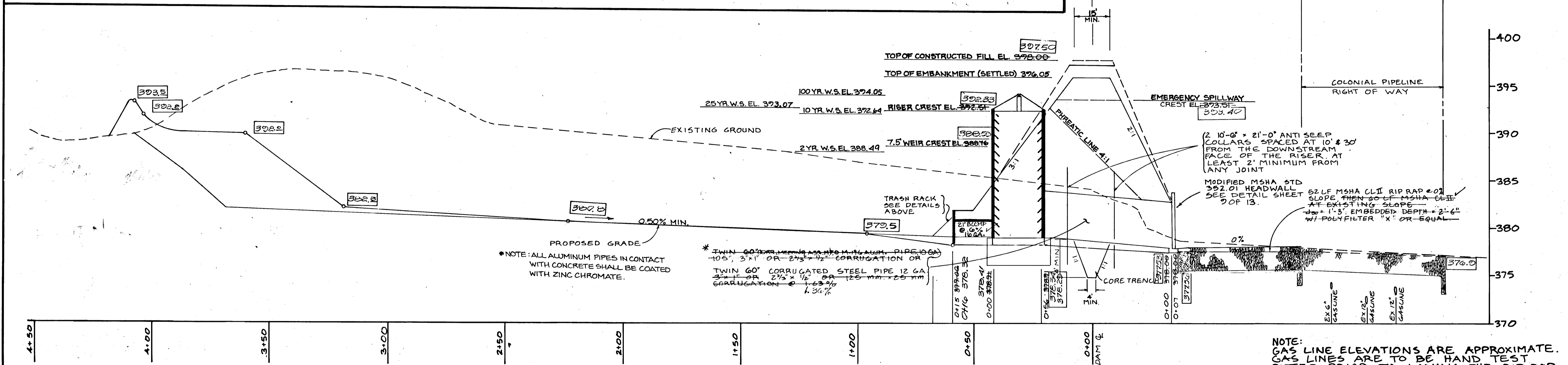
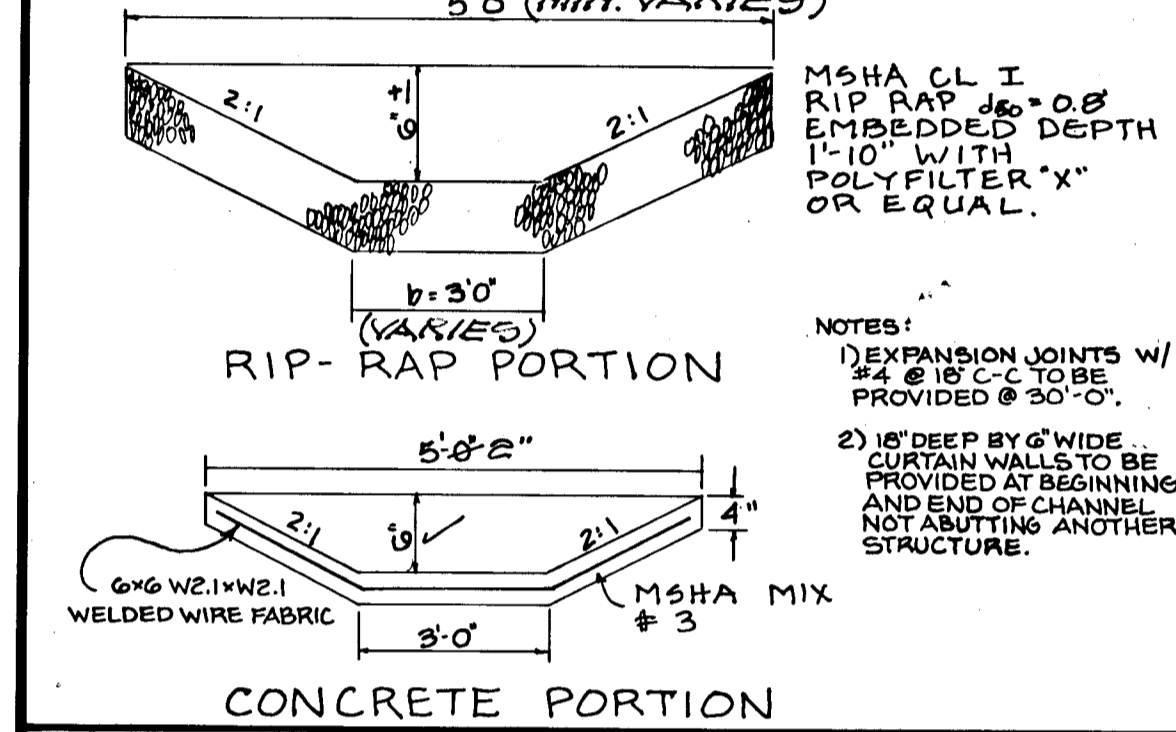
| MSHA CLASS | a | b | c | d | e |
|------------|----------|-----|---------|--------|----|
| I | 2'-± | 5' | 25'-30" | 1'-10" | 3' |
| II | * VARIES | 25' | VARIES | 2'-6" | 2' |

* RIP RAP & ELEVATION 302



PILOT CHANNEL

NOT TO SCALE



PROFILE A-A ALONG & OF SWM POND
 SCALE 1" = 20' HORIZONTAL
 1" = 5' VERTICAL

| DESIGNED | | DATE | | BY | | DESCRIPTION | |
|----------|---------|---------|----------|-----|-------------------|-------------|--|
| J.M.C. | 7-25-88 | 7-25-88 | 11/19/88 | JHE | REV. W.R., GO BA. | | |
| M.J.L.II | 7-25-88 | 7-25-88 | 11/19/88 | MRS | AS BUILT | | |
| T.L.W. | 7-25-88 | 7-25-88 | | | | | |
| | | | | | | | |

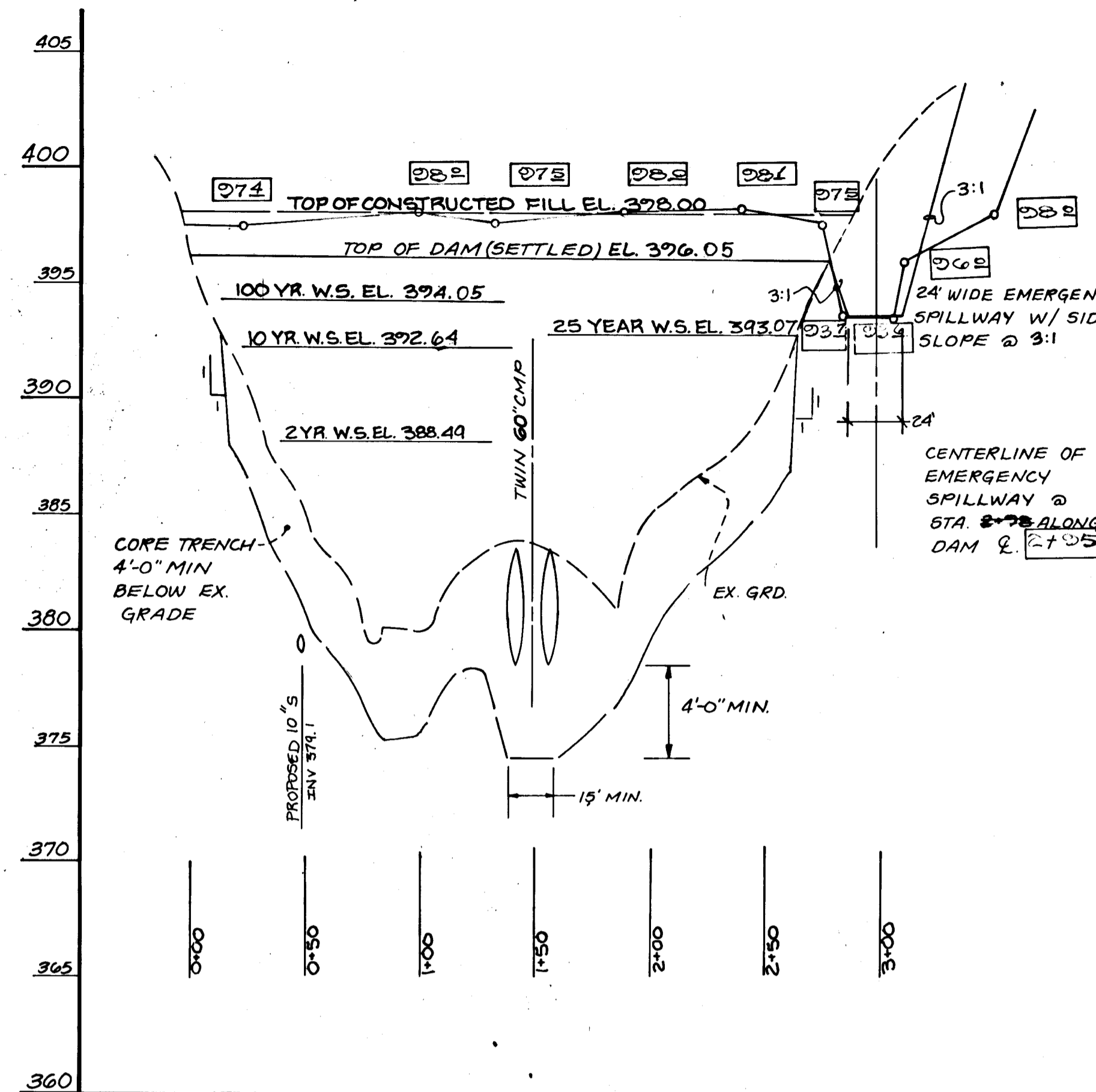
Dewberry & Davis
 ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS
 3300 N. RIDGE ROAD, SUITE 100
 ELLICOTT CITY, MD. 21043
 (301) 461-7478

OWNER/DEVELOPER
 NV LAND, INC.
 6820 ELM STREET
 McLEAN, VIRGINIA 22101
 PHONE: (703) 734-9730

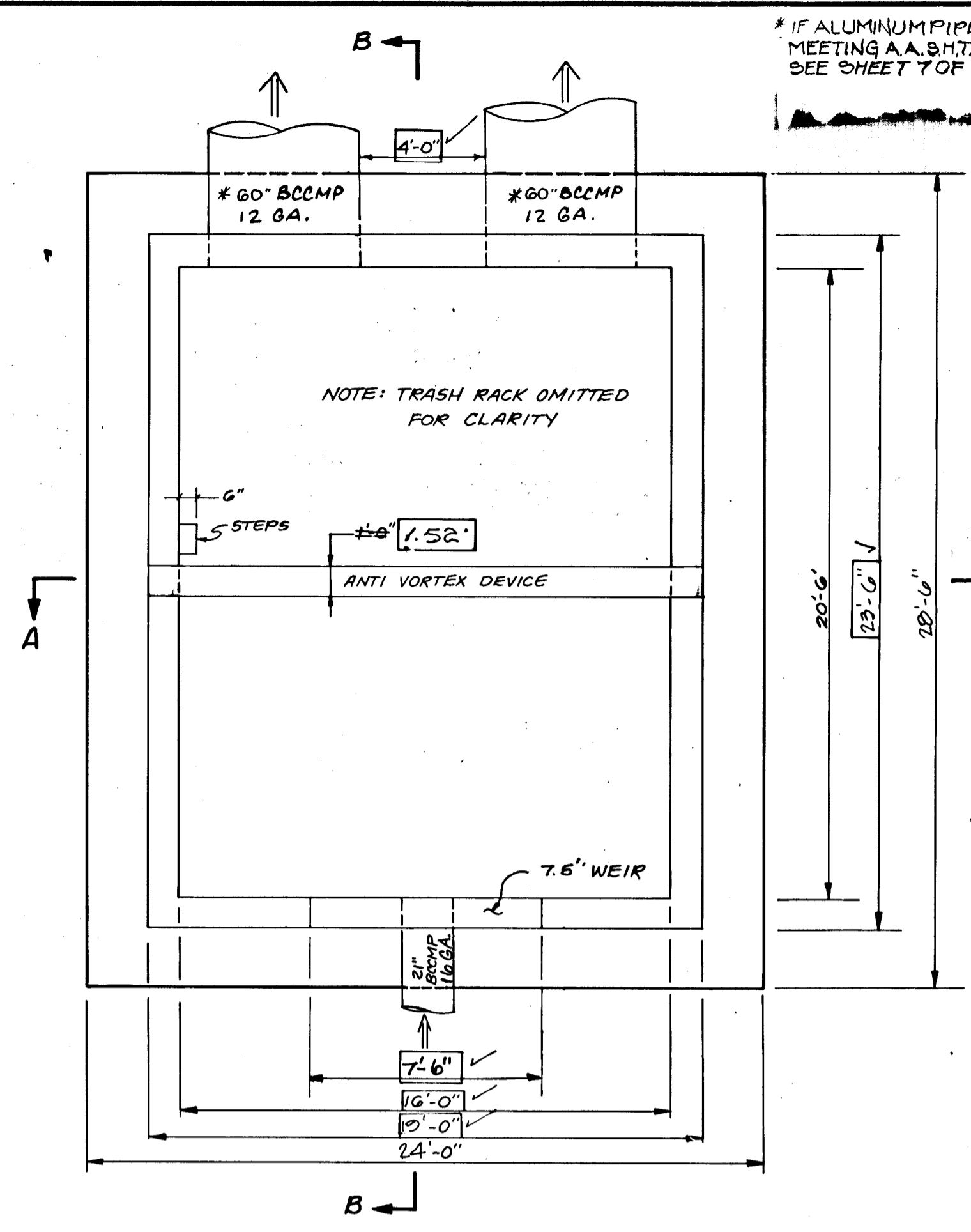
STORMWATER MANAGEMENT DETAILS

MONTGOMERY MEADOWS
 SECTION ONE
 TAX MAP: 31 PARCEL 423 BLOCKS 13, 14, 19 AND 20
 1st ELECTION DIST. HOWARD COUNTY, MD
 JUNE G., 1988

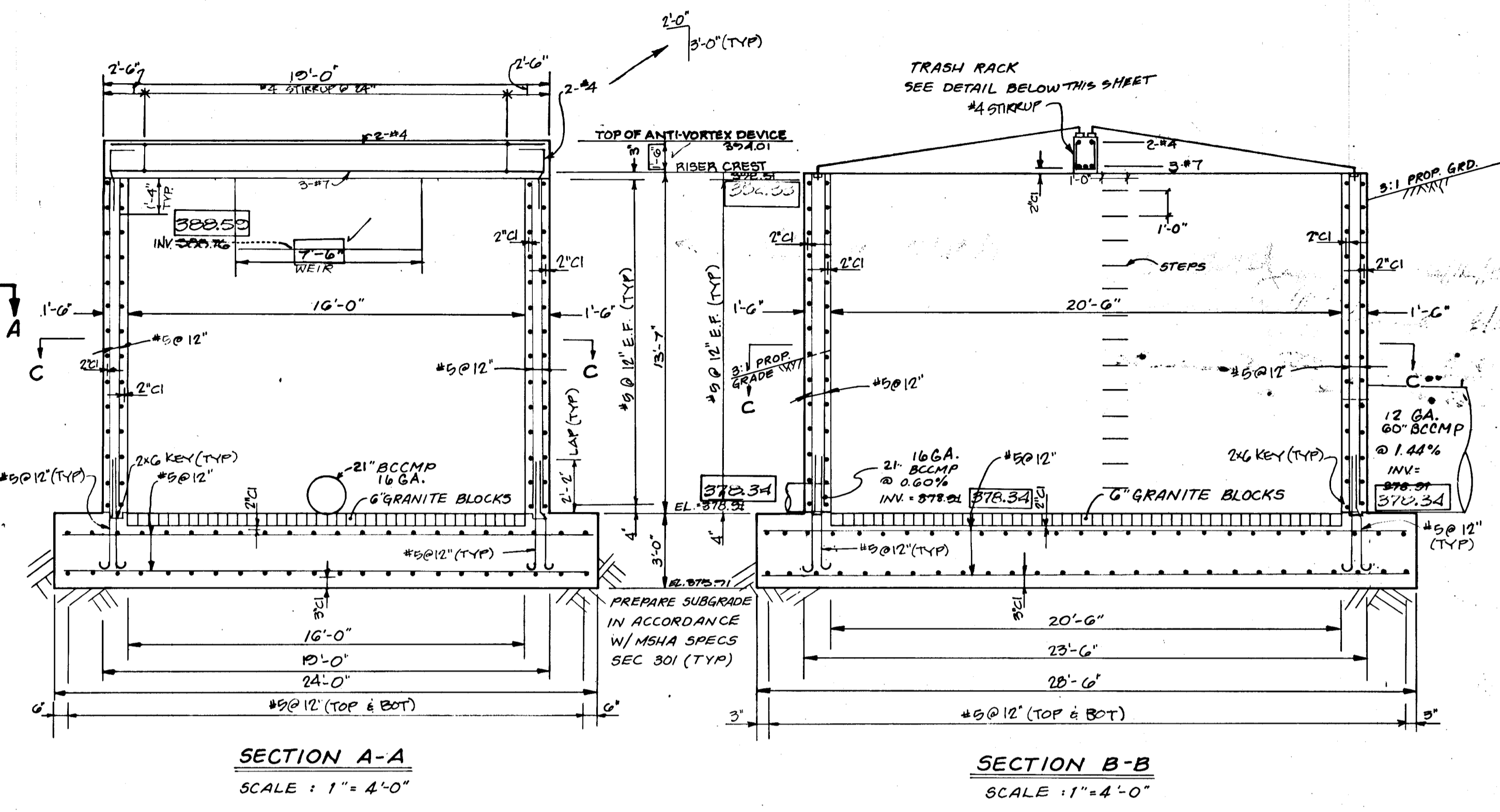
1443



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



CONCRETE RISER DETAIL
PLAN VIEW
SCALE: 1"=4'-0"



SECTION A-A
SCALE: 1"=4'-0"

SECTION B-B
SCALE: 1"=4'-0"

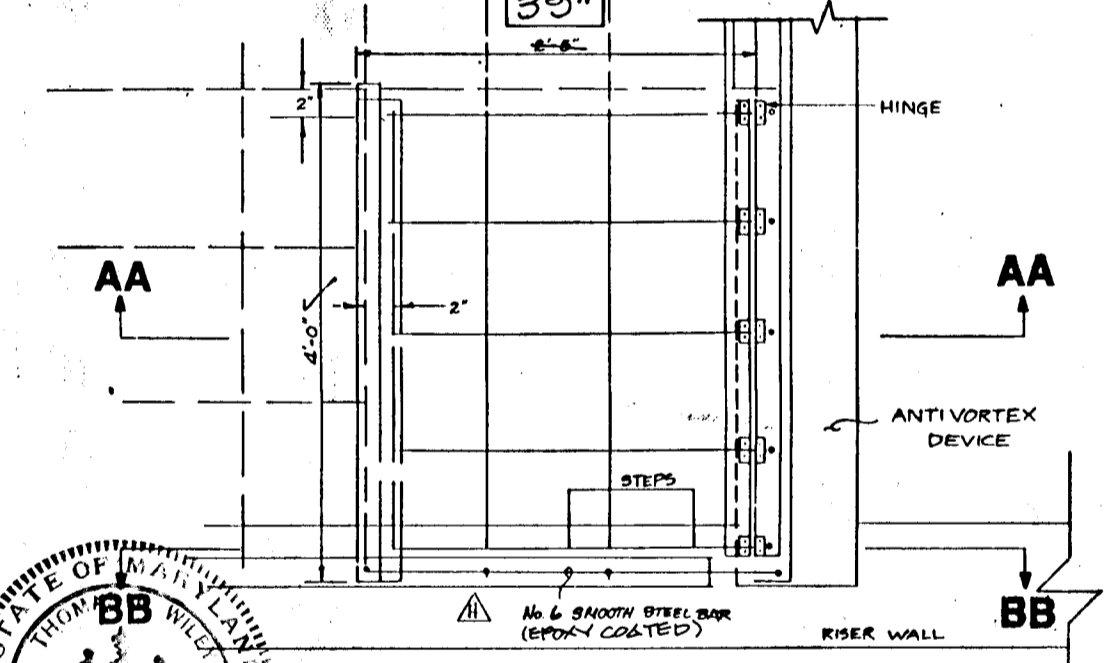
DEVELOPER'S CERTIFICATE
"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Approval as a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Board of 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 Board of Soil Conservation District."
John S. Mah 4/22/19
KENNETH G. MAH, INC.

ENGINEER'S CERTIFICATE
"I certify that this plan for pond construction, location 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 Board of Soil Conservation District. I have notified the developer that he must provide the Board of Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."
Frank Willey 4/16/19
FRANK L. WILEY, INC.

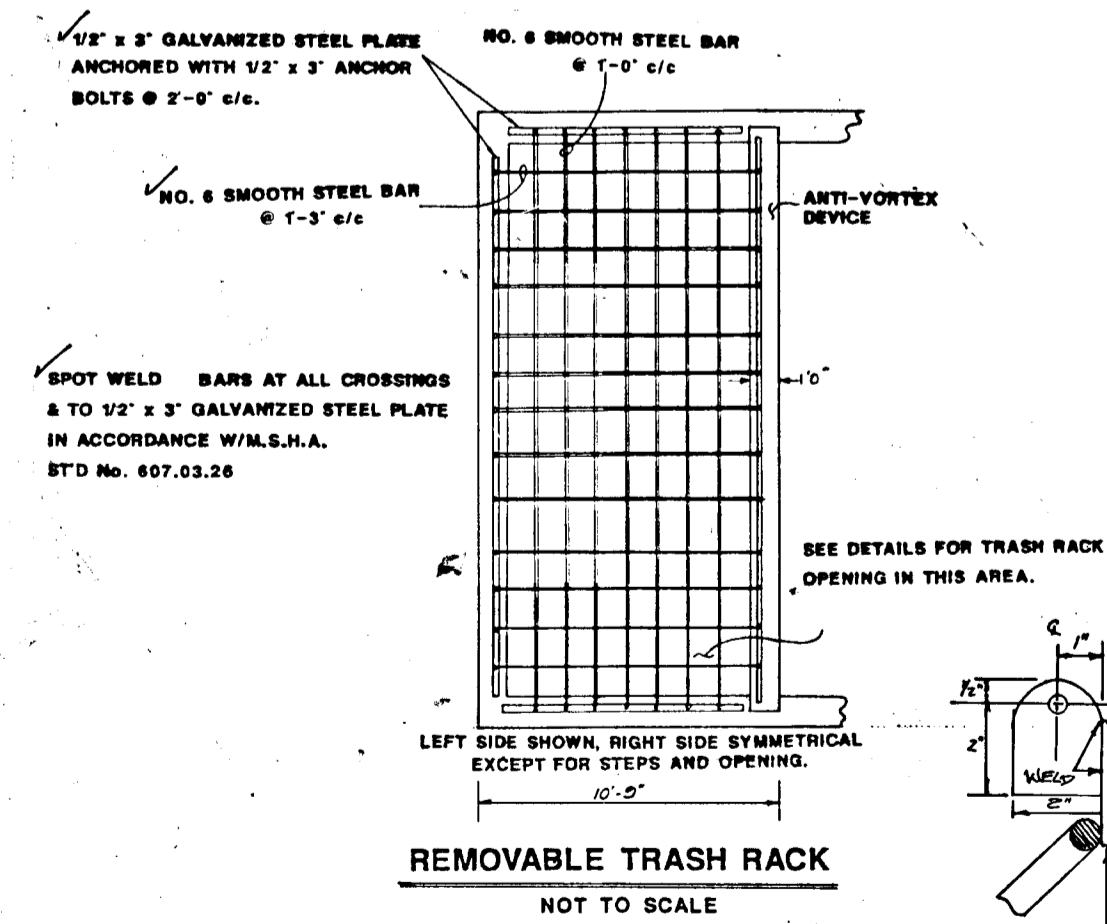
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT MEETS TECHNICAL REQUIREMENTS.
John W. Zilman 5-16-19
SOIL CONSERVATION SERVICE
HIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Robert W. Zilman 5/10/19
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Donald J. Seaman 6/16/19
CHIEF, LAND DEVELOPMENT DIVISION
James M. Woodard 6/15/19
CHIEF, BUREAU OF HIGHWAY
William B. Raley 6/14/19
CHIEF, BUREAU OF ENGINEERING

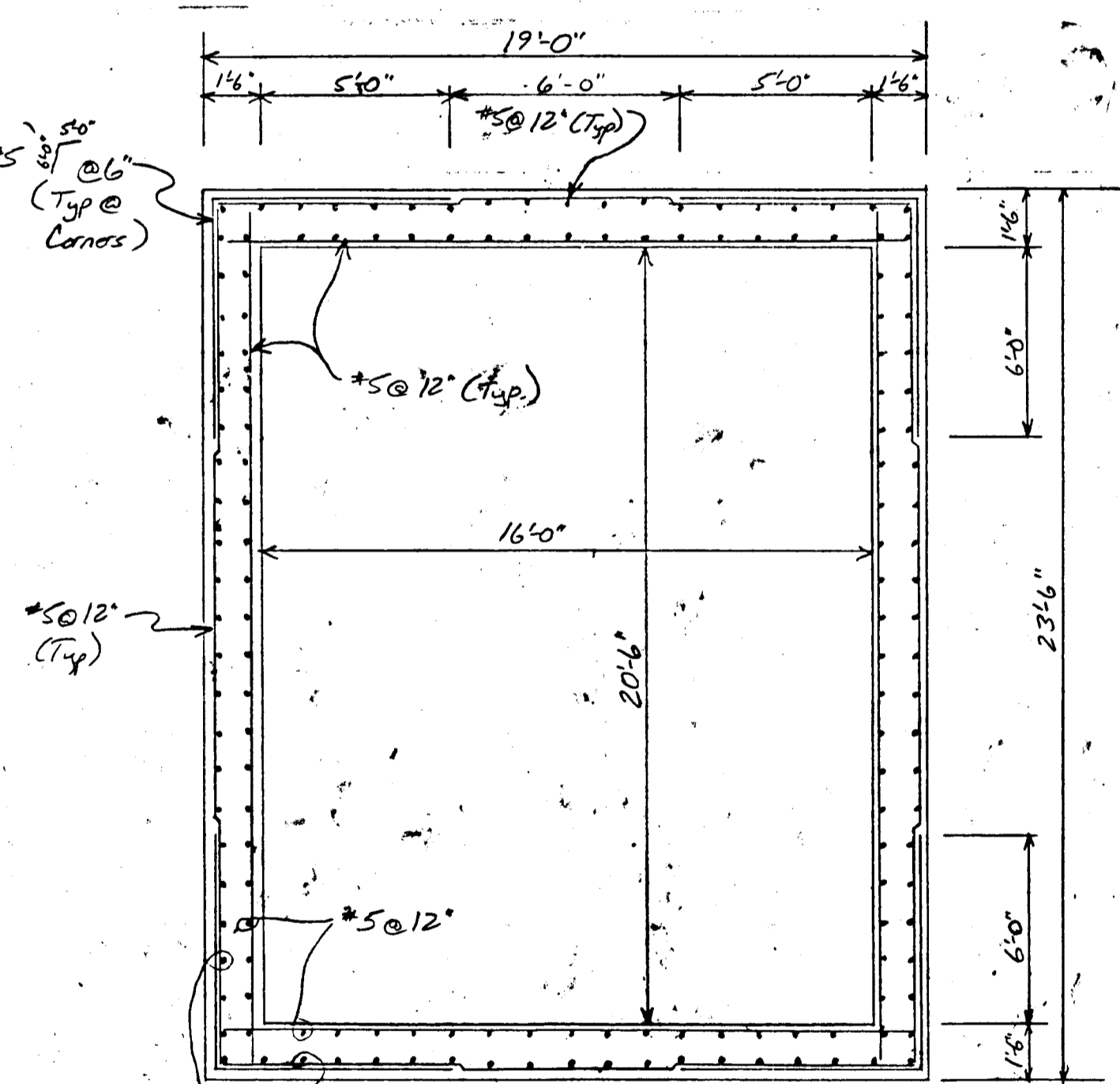
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Frank S. Taylor 6/14/19
CHIEF, DIVISION OF ENVIRONMENTAL PLANNING AND LAND DEVELOPMENT



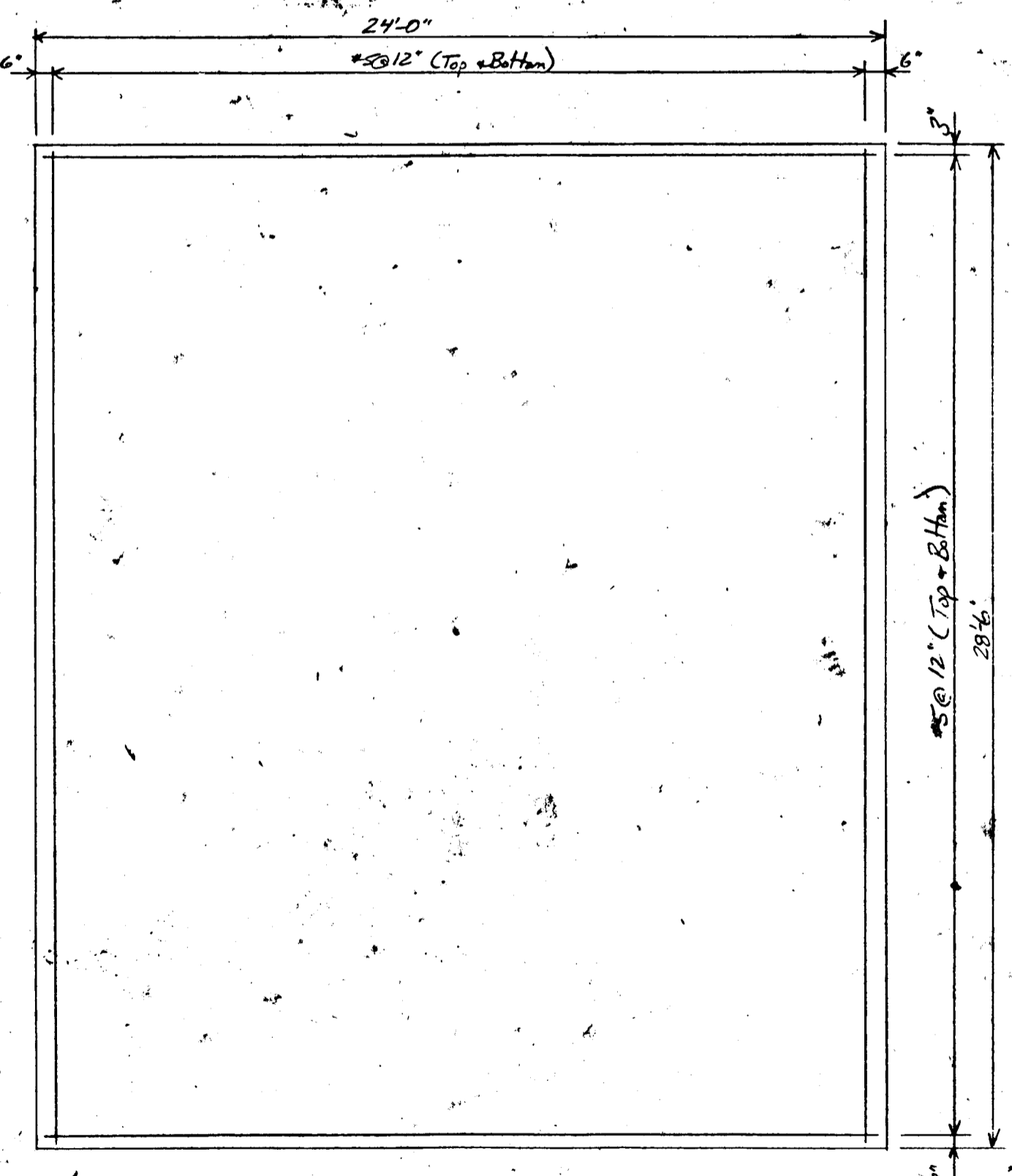
TRASH RACK OPENING
PLAN VIEW
NOT TO SCALE



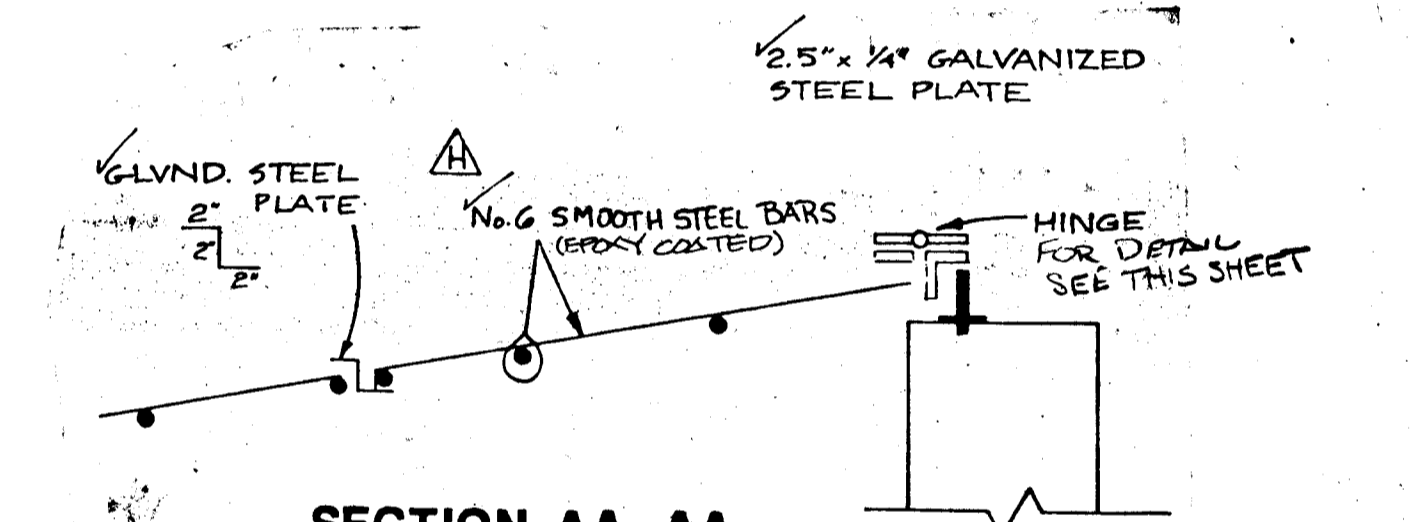
REMOVABLE TRASH RACK
NOT TO SCALE



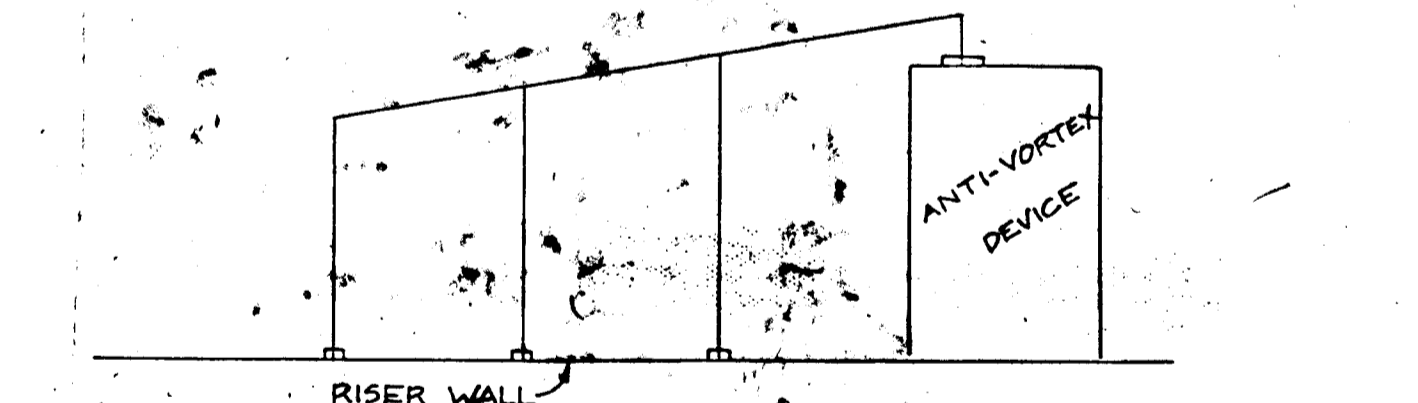
SECTION C-C



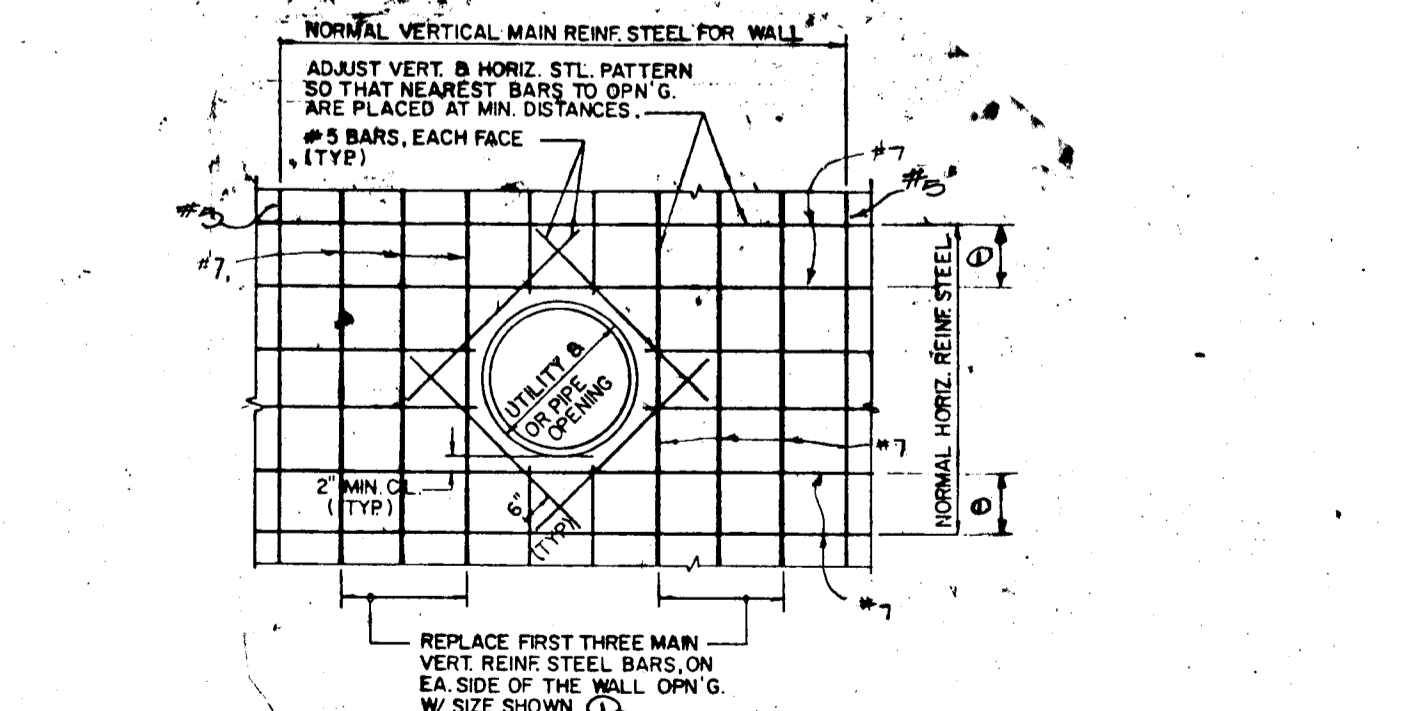
FOUNDATION PLAN



SECTION AA-AA
SCALE: 1"=1'-0"



SECTION BB-BB
SCALE: 1"=1'-0"



AS-BUILT ADDITIONAL WALL REINFORCING
NOT TO SCALE

| DESIGNED | JTC/SJP | 1/24/00 | DATE | BY | DESCRIPTION |
|----------|---------|---------|------|-----|---------------------------------|
| DRAWN | BL | 7/25/00 | DATE | JHE | REV. DAM & PROPOSE, SHOW 60\"/> |
| CHECKED | | | DATE | MKS | AS BUILT'S |
| APPROVED | | | DATE | | |

Dewberry & Davis
ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS
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ELLCOTT CITY, MD. 21043
(301) 461-7478

OWNER / DEVELOPER
NV LAND, INC.
6820 ELM STREET
MCLEAN, VA 22101
PHONE (703) 734-9730

STORMWATER MANAGEMENT DETAILS
MONTGOMERY MEADOWS
SECTION ONE
TAX MAP 31 PARCEL 423 BLOCKS 13,14,19 AND 20
2 ND ELECTION DISTRICT HOWARD CO., MARYLAND
SCALE: 1"=50' DATE: JUNE 6, 1985

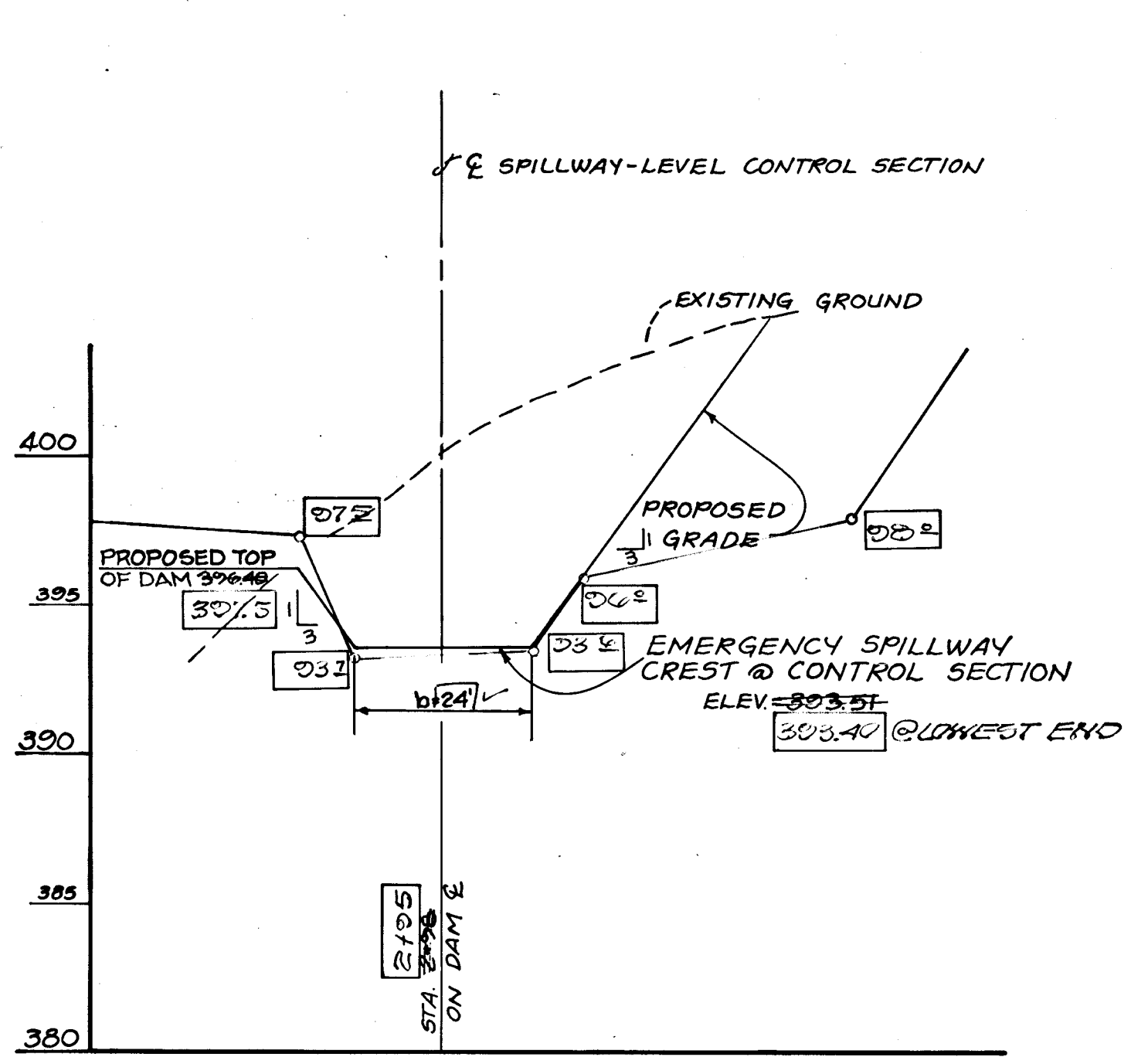
COLONIAL PIPELINE R/W CONSTRUCTION NOTES

- Field location of the existing 8" and 2-1/2" pipelines is required prior to any work within Colonial's right of way. Test pits are suggested to determine the exact location and elevation of the pipelines, especially in areas of planned utilities. Notify Mr. S. W. Curtis (phone 301/785-1380) at least 2 working days in advance, and he will advise you in locating the pipelines in the field.
- All open drainage ditches shall maintain a minimum of 3.5 feet from top of pipe to the bottom of open drainage ditches.
- Underground utilities (i.e., storm drains, sewers, water lines, electric and telephone cables) may cross the easement; provided they maintain a minimum vertical clearance of two (2) feet over or under Colonial's 8" and 2-1/2" pipelines and cross at as near a perpendicular angle as practical. Electrical and communication cables will be installed inside of rigid pipe or other suitable cable protection for the entire width of Colonial's easement.
- Notify Mr. S. W. Curtis (per Item 1) at least 2 working days prior to any construction, assessment, maintenance, or repair, so that he may provide a representative at the site. Notify the undersigned (phone 301/785-4444) if Mr. Curtis cannot be contacted.
- Original vegetation on Colonial's easement shall not be disturbed except in areas of approved construction and approved equipment crossings. Highly visible plastic fence or other approved temporary barriers shall be installed by contractor along Colonial's easement line within the limits of your project to insure that traffic does not travel over Colonial's pipelines.
- Permanent structures are not permitted on the easement. Concrete or stone sound barrier walls, manholes, junction boxes, valve boxes, fire hydrants, service boxes, storm drain inlets, and utility poles are considered permanent structures.
- Partial occupancy of the pipelines' easement with road right of way or utilities is not permitted. Crossings shall be at as near a perpendicular angle to the easement as practical.
- Temporary equipment crossings over the pipelines are permitted with six (6) vertical feet of cover over the pipelines at selected locations as approved by Colonial's field representative. Depth of pipe as determined by test holes will determine amount of temporary fill required. Colored sheets of plastic shall be placed under the temporary fill at original grade so that original grade will not be disturbed when temporary fill is removed. No equipment or vehicles may be parked over the pipelines.
- Blasting near the pipelines shall not be permitted without the approval of a Colonial representative as to time and method.
- Removal or relocation of Colonial's pipeline markers shall not be permitted without the approval of a Colonial representative.
- No mechanized ditching shall be allowed within five (5) feet of the extremities of the 8" and 2-1/2" pipelines. No excavation or construction is permitted over Colonial's pipelines or within its easement without a Colonial representative being present. Sub-grading, grading, and placement of fill over the pipelines will require the approval of Colonial's field representative.
- Full access to the pipelines must be maintained at all times. Stooling of spoils or top soil over the pipelines is not permitted.
- Trees are not permitted on Colonial's right of way.
- Cover above the pipelines shall be a minimum of four (4) feet for all pipelines, except as specified in Item 2, and a maximum of fifteen (15) feet.
- Burning or burying of trash, brush, or debris shall not be permitted on Colonial's right of way without the approval of a Colonial representative.

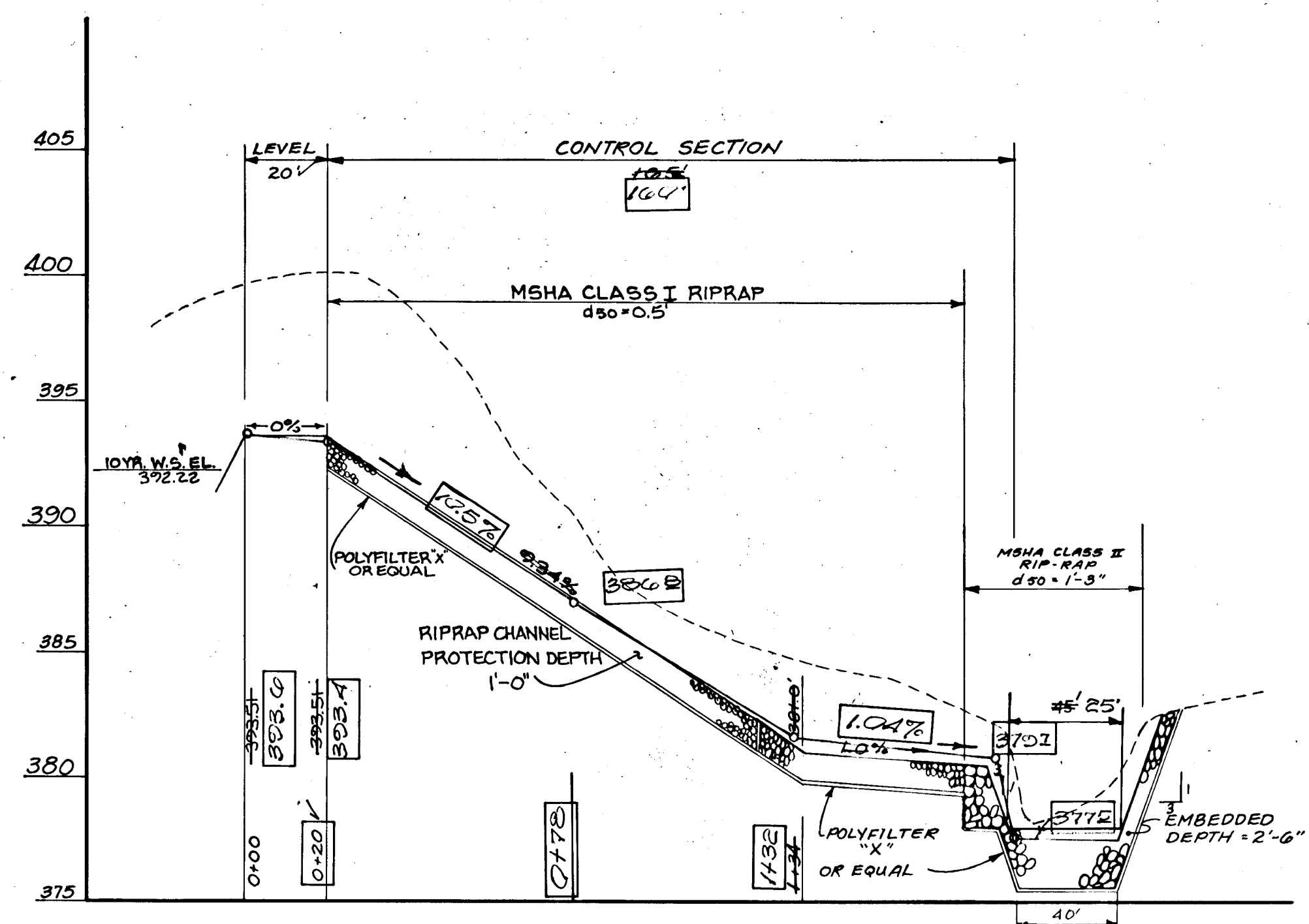
DEVELOPER'S CERTIFICATE
 "I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Erosion and Sedimentation 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 inspections by the Howard Soil Conservation District."
 Kenneth G. Malin, NV Land, Inc. 4/26/89
 KENNETH G. MALIN, NV LAND, INC. 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."
 Thomas L. Wiley, MD, P.E. 4/26/89
 THOMAS L. WILEY, MD, P.E. DATE

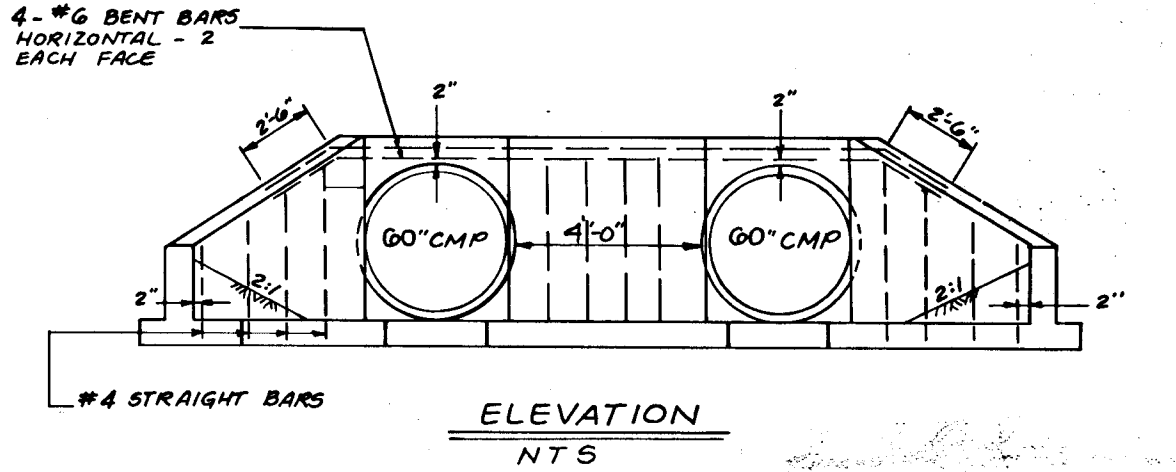
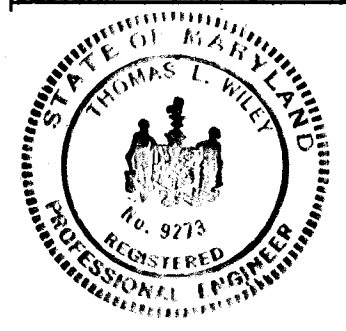
These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control and meet the requirements of the Howard Soil Conservation District.
 5-16-89
 Approved Howard County Office of Planning and Zoning
 Approved Howard County Department of Public Works
 Approved Howard County Bureau of Engineering



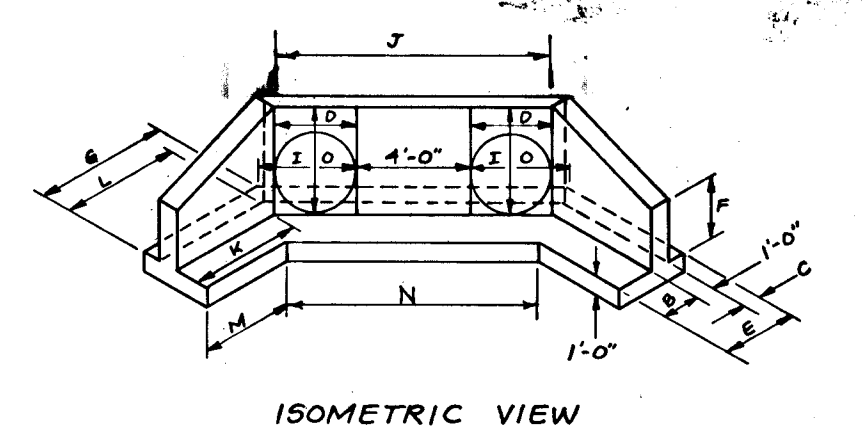
CROSS-SECTION EMERGENCY-SPILLWAY @ CONTROL SECTION
 SCALE: HORIZ. 1"=20'
 VERT. 1"=5'



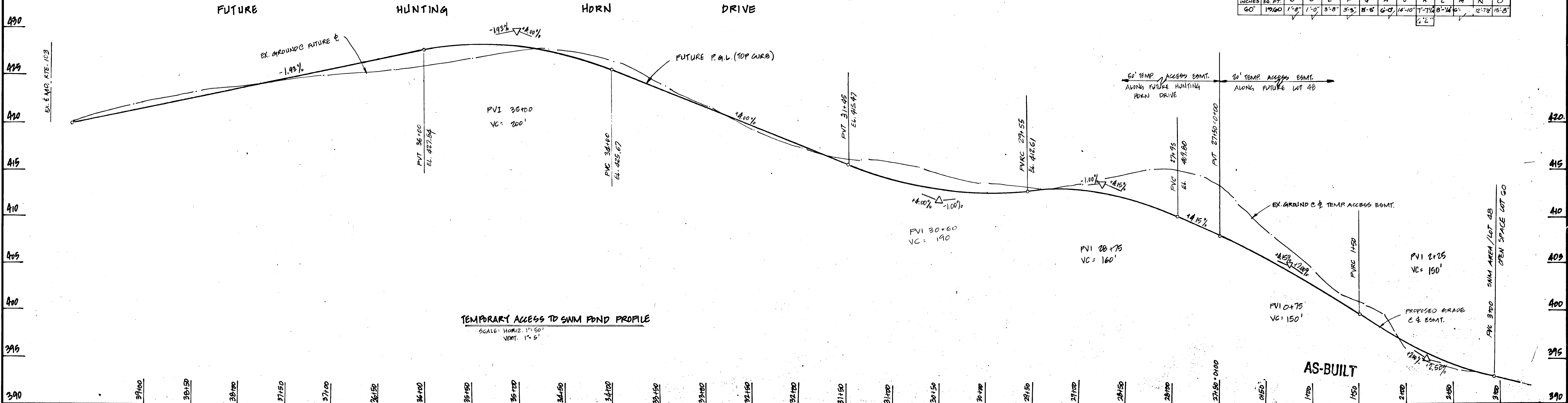
PROFILE ALONG E OF EMERGENCY SPILLWAY
 SCALE: HORIZ. 1"=30'
 VERT. 1"=5'



NOTE: SEE MSHA STD. NO. 352.01 FOR DETAILS AND DIMENSIONS NOT NOTED HERE.



| OPENING | AREA | DIMENSIONS | | | | | | | | | | | |
|---------|------|------------|-------|-------|-------|-------|-------|---------|-----------|-------|------------|--------|-------|
| | | B | C | E | F | G | H | J | K | L | M | N | O |
| 60" | 1960 | 1'-5" | 1'-0" | 3'-0" | 3'-5" | 8'-6" | 6'-0" | 14'-10" | 1'-7 1/2" | 8'-0" | 12'-7 1/2" | 15'-8" | 1'-2" |



TEMPORARY ACCESS TO SWM POND PROFILE
 SCALE: HORIZ. 1"=50'
 VERT. 1"=5'

DESIGNED: JTM/SJF 7/23/88
 DRAWN: JRG/JAW 6/6/88
 CHECKED: BDB 6/6/88
 APPROVED: JLN 6/6/88

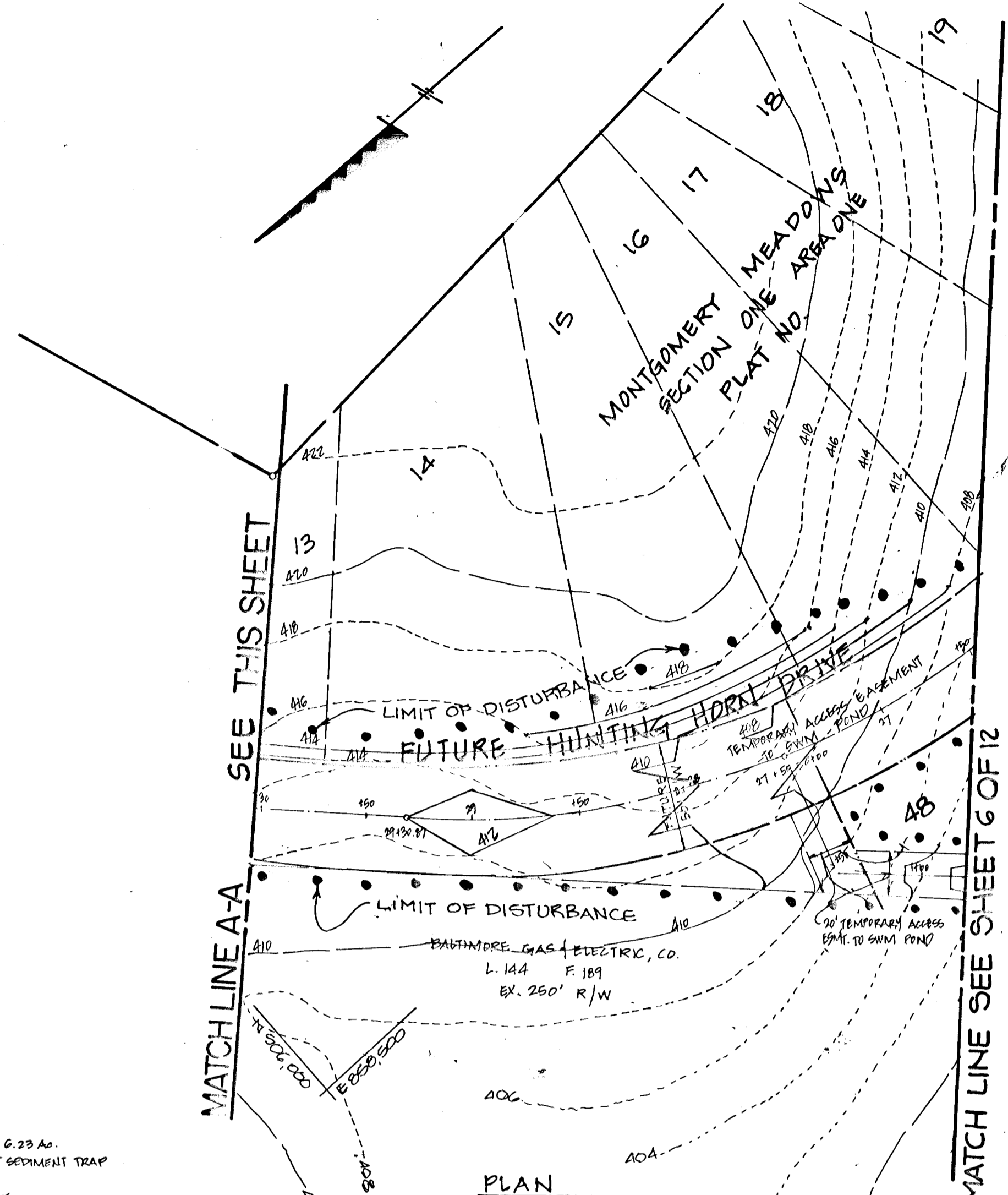
| REVISIONS | | | |
|-----------|-----|-----------------------------|--|
| DATE | BY | DESCRIPTION | |
| 2/27/89 | JHE | DIMENSION RIPRAP AT OUTFALL | |
| 11/12/83 | MRS | AS BUILT | |

Dewberry & Davis
 ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS
 3300 N. RIDGE ROAD, SUITE 100
 ELLICOTT CITY, MD. 21043
 (301) 461-7478

OWNER / DEVELOPER
 NV LAND, INC.
 6820 ELM STREET
 MCLEAN, VA. 22101
 (703) 734-9730

STORMWATER MANAGEMENT POND DETAILS AND TEMP. CONSTRUCTION ACCESS PROFILE
 MONTGOMERY MEADOWS SECTION ONE
 TAX MAP 31 PARCEL 623 BLOCKS 13, 14, 19 AND 20
 1ST ELECTION DISTRICT HOWARD COUNTY, MD.
 SCALE: AS SHOWN DATE: JUNE 6, 1988

C 111



Proposed SWM Pond (SWM Area B)

| Station | SW-9 | SW-8 |
|---------|------|------|
| 405 | | |
| 400 | 2.0 | 2.0 |
| 395 | 4.0 | 4.0 |
| 390 | 9.0 | 9.0 |
| 385 | 15.0 | 15.0 |

Notes for SW-9:
 1. Brown moist of SAND and SILT, to roots, to fine rock fragments (0.1) (Sandy loam)
 2. Multicolored moist micaceous (SAND and SILT), to rock fragments (Compacted Rock) (0.1) (Sandy loam)
 3. Multicolored moist of SAND, some silt, to rock fragments (Compacted Rock) (0.1) (Sandy loam)

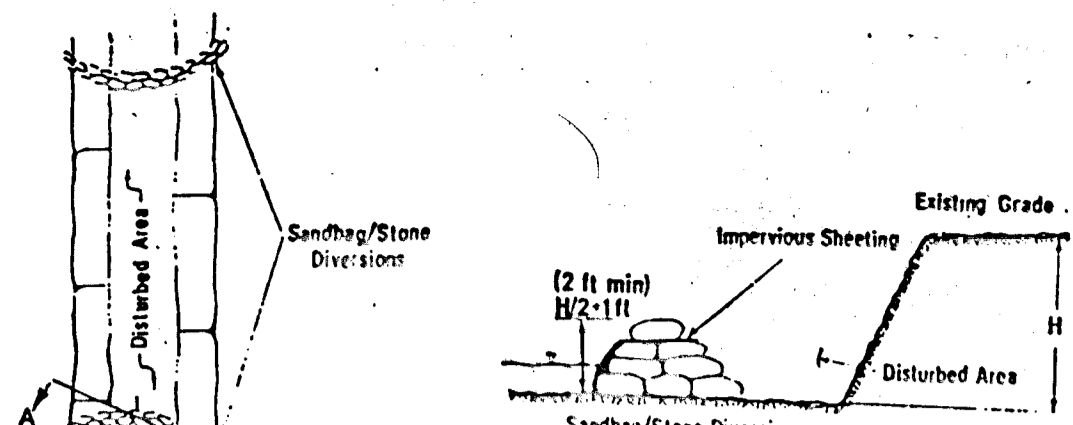
Notes for SW-8:
 1. Brown moist SILT, some silt, to roots (0.1) (Silt loam)
 2. Multicolored moist SILT, some silt, to roots, to fine rock fragments (0.1) (Silt loam)
 3. Multicolored moist of SAND, some silt, to rock fragments (Compacted Rock) (0.1) (Sandy loam)

At completion of BORING, hole dry and caved at 12.1' 24 hrs after completion, hole dry and caved at 12.1'

At completion of boring, hole dry and caved at 6.7' 24 hrs after completion, hole dry and caved at 6.7'

In-situ permeability test conducted at 5.0', (1) & 17 inches/minute

Scale: 1" = 20'



- PLAN VIEW**
- SECTION A-A**
- Description**
The work shall consist of installing a flow diversion structure when construction activities take place within the stream channel such as culvert construction or culvert replacement.
 - Material Specifications**
 - Structure:** Structure shall consist of materials which are resistant to ultraviolet radiation, tearing and puncture and woven tightly enough to prevent leakage of fill material (fill, sand, fine gravel, etc.).
 - Stone:** Stone shall be washed and have a minimum diameter of 6 inches.
 - Sheeting:** Sheeting shall consist of polyethylene or other material which is impervious and resistant to puncture and tearing.
 - Construction Requirements**
 - All erosion and sediment control devices shall be installed as the first order of work.
 - The height of the sandbag/stone diversion structure shall be one half the distance from the stream bed to the bank plus one foot, as indicated in section A-A. The sandbags shall be placed on a smooth, prepared surface.
 - All excavated materials shall be disposed of in a SCD approved disposal area outside the 100-year floodplain unless otherwise approved on the plans by the WA.
 - All clearing of the construction area shall be pumped to a dewatering basin (Plate W01.11) or otherwise approved on the plans by the WA.
 - Sheeting shall be overlapped a minimum of 18 inches.
 - The diversion pipe shall have a minimum diameter of sufficient size to convey the normal stream flow.
 - If necessary, silt fence or strawbales shall be installed around the perimeter of the work area.
 - Sediment control devices are to remain in place until all disturbed areas are stabilized and the inspecting authority approves their removal.

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 inspections by the Howard Soil Conservation District."

Wm. G. McFarland 4/2/89
 Wm. G. McFarland, Inc., Inc.

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."

Thomas L. Wiley 4/2/89
 Thomas L. Wiley, Inc.

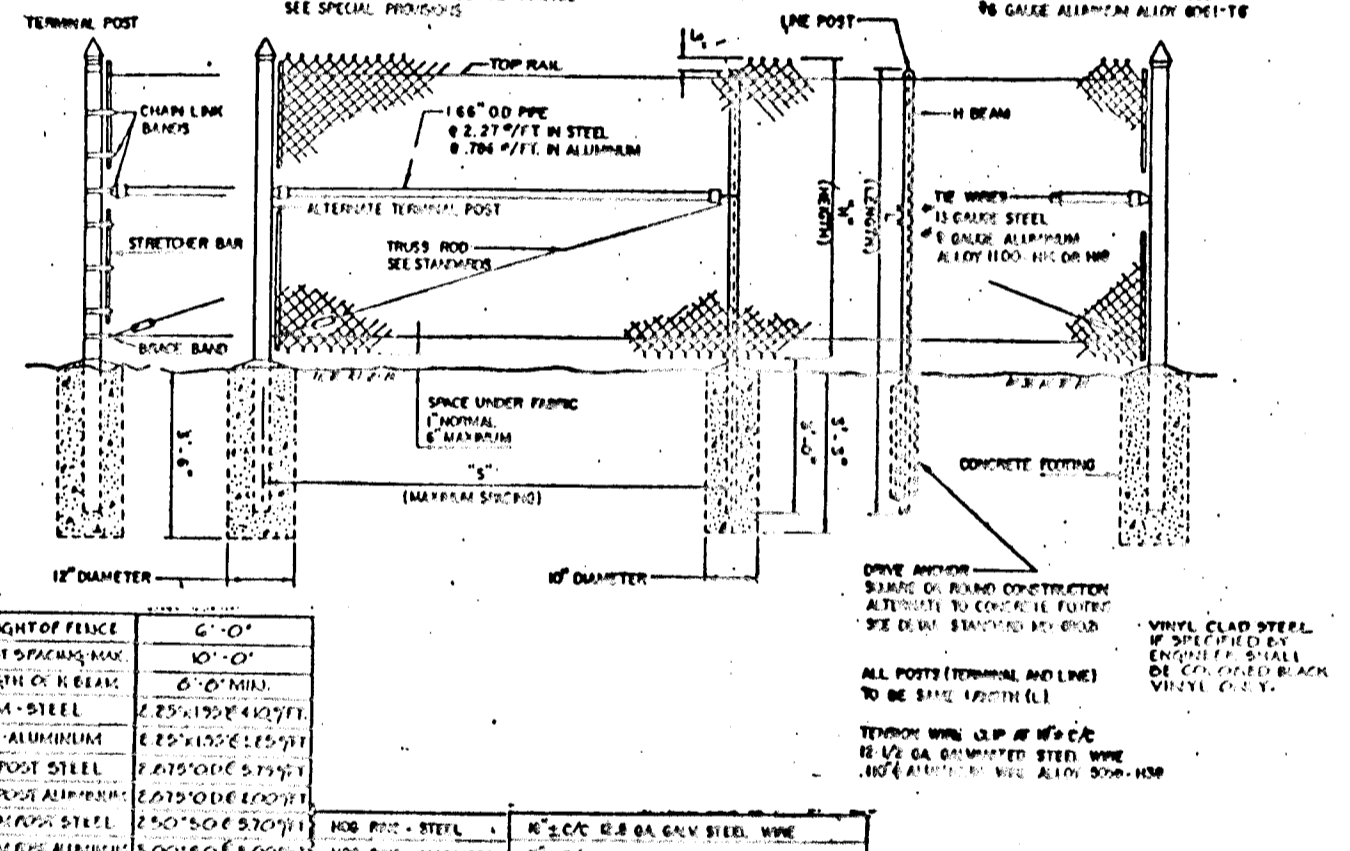
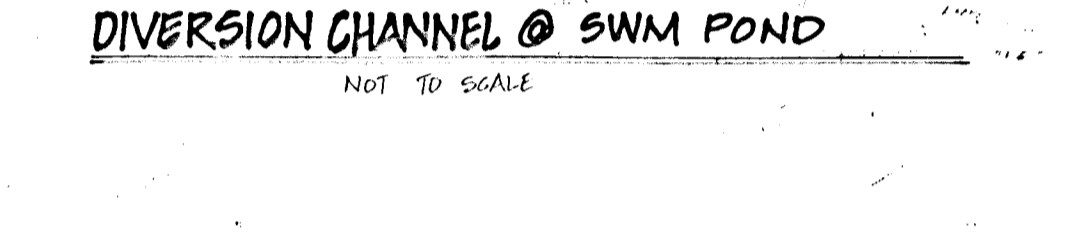
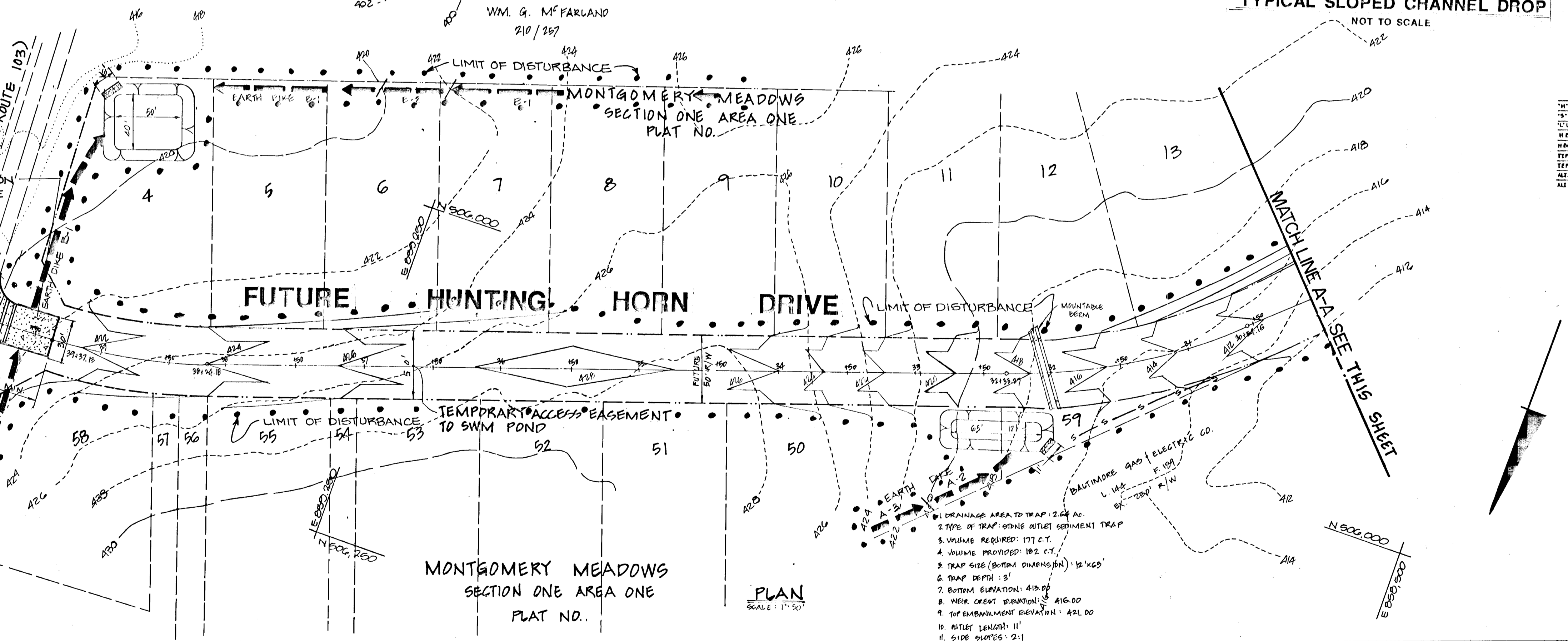
These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

Robert W. Taylor 5/16/89
 Robert W. Taylor, Inc.

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Robert W. Taylor 5/16/89
 CHIEF, DIVISION OF ENVIRONMENTAL PLANNING AND ZONING

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Robert W. Taylor 5/16/89
 CHIEF, DIVISION OF PUBLIC WORKS

1. DRAINAGE AREA TO TRAP: 6.23 AC.
2. TYPE OF TRAP: RIFRAP INLET SEDIMENT TRAP
3. VOLUME REQUIRED: 418 C.Y.
4. VOLUME PROVIDED: 422 C.Y.
5. TRAP SIZE (BOTTOM DIMENSIONS): 40' x 50'
6. TRAP DEPTH: 4'
7. BOTTOM ELEVATION: 419.40
8. CREST ELEVATION: 417.40
9. DOWNST ELEVATION: 414.15
10. OUTLET WIDTH: 16"
11. SIDE SLOPES: 2:1
12. DEPTH OF CHANNEL: 1.5'



REVISIONS

| DESIGNED | DATE | BY | DESCRIPTION |
|-------------|---------|-----|---------------------------------|
| B.P. BURTON | 2/27/89 | JHE | REV. SLOPED CHANNEL DROP DETAIL |
| DRAWN | | | |
| CHECKED | | | |
| APPROVED | | | |

Dewberry & Davis
 ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS
 3300 N. RIDGE ROAD, SUITE 100
 ELLICOTT CITY, MD. 21043
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OWNER / DEVELOPER
 NV LAND, INC.
 6820 ELM STREET
 MCLEAN, VA. 22101
 PHONE: (703) 734-9730

TEMPORARY CONSTRUCTION ACCESS PLAN AND SWM POND DETAILS

MONTGOMERY MEADOWS
 SECTION ONE, AREA ONE
 TAX MAP 31 PARCEL: 423 BLOCKS: 13, 14, 19 AND 20
 1ST ELECTION DISTRICT HOWARD CO., MARYLAND
 SCALE: 1" = 50' DATE: JUNE 6, 1988

SCALE: AS SHOWN CONTRACT NO. FILE NO. SHEET 10 OF 13

| WATER QUALITY PRETREATMENT | | |
|----------------------------|-------------------|-------------------|
| VEGETATED SWALE | CAPACITY PROVIDED | CAPACITY REQUIRED |
| A | 239.0 CF | 239.2 CF |
| B | 5593.3 CF | 5593.3 CF |
| C | 3010.0 CF | 3010.0 CF |
| D | 4855.5 CF | 4852.0 CF |
| E | 1710.0 CF | 1710.0 CF |
| F | 1320.0 CF | 1319.0 CF |
| G | 5370.0 CF | 5366.0 CF |

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 inspections by the Howard Soil Conservation District."
 [Signature] 4/21/09
 THOMAS L. WILBY, MD REG. NO. 9279

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."
 [Signature] 4/21/09
 THOMAS L. WILBY, MD REG. NO. 9279

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.
 [Signature] 5-16-09
 HOWARD SOIL CONSERVATION SERVICE

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
 [Signature] 5/16/09
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 [Signature] 5/16/09
 CHIEF, DIVISION OF PLANNING AND LAND DEVELOPMENT

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 5/16/09
 CHIEF, LAND DEVELOPMENT DIVISION
 [Signature] 5/16/09
 CHIEF, BUREAU OF HIGHWAYS
 [Signature] 5/16/09
 CHIEF, BUREAU OF ENGINEERING



PROPERTY OF ANINA MARIE WAMER 460/700 ZONED R-20
 PROPERTY OF PAUL F. BATEMAN 255/327 ZONED R-20

MATCH LINE SEE THIS SHEET

ZONED R-20
 HUNT COUNTRY ESTATES
 FLAT: 5007

*NOTE: HYDROLOGIC SOIL GROUPS ARE INDICATED AS A,B,C,D

NOTE: SEE SHEET 4 FOR DRAINAGE AREAS AND REACHES

NOTE: SEE SHEET 12 OF 13 FOR SWM POND WETLANDS MITIGATION.

Dewberry & Davis
 ARCHITECTS ENGINEERS PLANNERS SURVEYORS
 3300 N. Ridge Road
 Suite 100
 Ellicott City, Maryland
 21043
 (301) 461-7478 BALTIMORE
 (301) 621-4970 WASHINGTON

OWNER AND DEVELOPER
 N.V. LAND INC.
 6820 ELM STREET
 MCLEAN, VA 22101
 PHONE (703) 734-9730

WETLANDS MAP FOR SECTION ONE
MONTGOMERY MEADOWS
 TAX MAP 31 SECTION ONE PARCEL 420
 1ST ELECTION DIST. HOWARD COUNTY MD
 JUNE 6, 1908 SCALE: 1"=200'
 SHEET 11 OF 13

DESIGNED: HS/BDP DRAWN: WRF/JAU M3/11 CHECKED: B.D.B. APPROVED: E.L.W.

PLANT SCHEDULE

| SYMBOL | QTY. | BOTANICAL NAME | COMMON NAME | INDICATOR | ROOT | FUNCTION & VALUE | SIZE |
|--------|------|---------------------------|------------------------------|-----------|-----------|---|--------|
| AR | 47 | ACER RUBRUM | RED MAPLE | FAC | CONTAINER | WILDLIFE, SCREENING, EROSION CONTROL, WATER QUALITY | 3-4' |
| FP | 32 | FRAXINUS PENNSYLVANICA | GREEN ASH | FACW | CONTAINER | WILDLIFE, SCREENING, EROSION CONTROL, WATER QUALITY | 3-4' |
| LS | 36 | LIQUIDAMBER STYRACIFLUA | SWEET GUM | FAC | CONTAINER | WILDLIFE, SCREENING, EROSION CONTROL, WATER QUALITY | 3-4' |
| LT | 27 | LIRIODENDRON TULIPIFERA | TULIP TREE | FACU | CONTAINER | WILDLIFE, SCREENING, EROSION CONTROL, WATER QUALITY | 3-4' |
| MF | 31 | MALUS FLORIBUNDA | JAPANESE FLOWERING CRABAPPLE | FACU | CONTAINER | WILDLIFE, SCREENING, EROSION CONTROL, WATER QUALITY | 2-3' |
| CP | 16 | CRATAEGUS PHAENOPYRUM | WASHINGTON HAWTHORN | FAC | CONTAINER | WILDLIFE, SCREENING, EROSION CONTROL, WATER QUALITY | 2-3' |
| PS | 60 | PINUS STROBUS | EASTERN WHITE PINE | FACU | CONTAINER | WILDLIFE, SCREENING, EROSION CONTROL, WATER QUALITY | 2-3' |
| AS | 67 | ALNUS SERRULATA | COMMON ALDER | OBL | CONTAINER | WILDLIFE, EROSION CONTROL, WATER QUALITY | 18-24" |
| AM | 78 | ARONIA MELANOCARPA | BLACK CHOKEBERRY | FACW | CONTAINER | WILDLIFE, EROSION CONTROL, WATER QUALITY | 18-24" |
| CO | 97 | CEPHALANTHUS OCCIDENTALIS | BUTTONBUSH | OBL | CONTAINER | WILDLIFE, EROSION CONTROL, WATER QUALITY | 18-24" |
| CA | 147 | CORNUS AMOMUM | SILKY DOGWOOD | FACW | CONTAINER | WILDLIFE, EROSION CONTROL, WATER QUALITY | 18-24" |
| VD | 101 | VIBURNUM DENTATUM | ARROWWOOD VIBURNUM | FAC | CONTAINER | WILDLIFE, EROSION CONTROL, WATER QUALITY | 18-24" |
| IV | 31 | IRIS VERSICOLOR | BLUE FLAG IRIS | OBL | CONTAINER | WATER QUALITY | 18-24" |



OWNER/DEVELOPER
ELM STREET DEVELOPMENT
 6820 ELM STREET, SUITE 200
 MCLEAN, VIRGINIA 22101

NOTES AND DETAILS
FOR
MONTGOMERY MEADOWS
MITIGATION PLANS
 HOWARD COUNTY, MARYLAND
 BRITTANY MANOR
 MONTGOMERY MEADOWS
 88-WQ-044
 88-065-3

CONSTRUCTION SPECIFICATIONS

I. OBJECTIVE
 This Compensatory Mitigation Plan has been designed to mitigate for the loss of non-tidal wetlands resulting from the construction at Montgomery Meadows in Howard County, Maryland. The on-site design includes the creation of 0.89 acres of scrub/shrub, 0.07 acres of open water, and the enhancement of 1.30 acres of upland wildlife habitat. The proposed wetland mitigation plan has been developed to include Maryland Department of the Environment accepted designs and innovative modification to these designs to provide effective functioning in-kind wetland mitigation. The compensatory mitigation will be located in over-sized stormwater management facilities on-site, within the watershed. In addition to the following specifications, the contractor will abide by construction guidelines listed on Sheet 1 of 4, as directed by the Baltimore District of the Corps of Engineers.

Successful implementation of the compensatory mitigation requires efficient sequencing and proper contract management. The contractor will maintain contact with Elm Street project developer and Exploration Research, Inc. mitigation designer throughout the implementation of the mitigation and provide verbal and written progress reports during and upon completion of each project stage.

II. CONSTRUCTION RESTRICTIONS
 The contractor shall comply with all design conditions and restrictions. The conditions of this conceptual mitigation plan are:

- The proposed project shall be constructed in a manner which will not violate Maryland's Water Quality Standards as set forth in COMAR 26.08.02.
- The proposed project shall be constructed in accordance with the plan and its revisions as approved by the Baltimore District Corps of Engineers and Maryland Department of the Environment.
- All fill and construction materials not used in the project shall be removed and disposed of in a manner which will prevent their entry into the waters of this State.
- Sediment transport into adjacent waters of the State shall be minimized.
- During the construction period, all persons involved in the project shall use sanitary facilities and adhere to sanitary wastewater disposal practices as approved by the local health department.
- The post construction bottom contours of waters and elevations of wetlands shall be the same as designed unless otherwise specified.
- Disturbances of wetlands and waterways shall be avoided or minimized through the use of other practical alternatives.
- All temporary fill materials shall be removed in their entirety on or before the completion of construction.
- If backfill material is obtained from sources other than the originally excavated material, it shall be clean material free of waste metal products, organic material, unsightly debris, toxic material or any other deleterious substance.
- In-stream work is prohibited as determined by the classification of the stream.
 - Class I waters: In-stream work shall not be conducted during the period March 1 through June 15 inclusive during any year.
 - Class II waters: In-stream work shall not be conducted during the period June 1 through September 30 or December 15 through March 14 inclusive during any year.
 - Class III waters: In-stream work shall not be conducted during the period October 1 through April 30 inclusive during any year.
 - Class IV waters: In-stream work shall not be conducted during the period March 1 through May 31 inclusive during any year.
- Disturbances in breeding areas for migratory waterfowl shall be avoided.
- Heavy equipment working in wetlands shall be placed on mats or suitably designed to prevent damage to the wetland.
- The applicant shall obtain and comply with a State or locally approved sediment control plan, if so required by the Howard Soil Conservation District.
 - This plan shall be on site during all phases of construction.
 - Sediment bearing waters shall not be discharged to the receiving waterway except as provided in the approved sediment control plan.

III. SEDIMENT AND EROSION CONTROL

Field Locate Utilities
 The approximate location of all underground utilities are shown on the mitigation plans, but the contractor must locate these utilities and find their elevation, contact Miss Utility (1-800-257-7177) for this service, before construction is initiated. All utility companies must be notified 24 hours in advance of installation.

Install Protection Measures
 Non-tidal wetlands adjacent to the impact areas will be fenced and protected during construction. Silt fence will be provided at limits of disturbance if required by the Sediment Control Inspector.

Dewater Site
 Should the mitigation site have standing water within its limits, the water must be pumped into a dewatering basin to allow filtration before re-entering the waterway.

IV. CLEARING AND GRUBBING
Remove Debris
 All vegetation, trash, and debris within the limits of disturbance that has not been designated in the field or on the plans to remain, will be removed from the construction area.

Dispose of Debris
 All debris removed from the construction area will be disposed of off-site in an approved landfill or other pre-designated area.

V. PLANTING

Planting shall commence after final grading, adjacent construction has been completed, and all sediment control measures have been removed. All trees and shrubs shall be installed between March 1 to April 15 or as directed by Exploration Research, Inc.

Plant Stock
 Root-stock of the plant material shall be kept moist during transport from the source to the job site and until planted. Plant material shall be planted as per the standard detail on this plan.

Planting Bed Preparation
 Stakeout location of plants. Prepare each planting hole in accordance with standard details shown on this sheet.

Clean-up
 Final clean up shall be the responsibility of the contractor and consist of removing all trash and materials incidental to the project, and disposing of them off-site. In addition, the construction procedure shall not damage any areas of existing plant which are to remain.

Plant Locations
 The planting locations are approximate and may be varied upon the approval of Exploration Research, Inc. provided the relative ratios and coverage are maintained. Where rock outcrops occur plant locations should be adjusted to avoid these areas.

Substitute Plant Material
 Plant material selections are based upon availability at time of design. If specific plants are unavailable at time of planting, substitute plants conforming to above specifications will be made. All substitute plant materials are subject to the approval of Exploration Research, Inc. and the U.S. Army Corps of Engineers.

VI. PLANT MAINTENANCE AND MANAGEMENT
 A maintenance program will be implemented to employ proven management techniques and monitor the wetland functions to achieve the goal of 75% survival rate in a two (2) year period.

Immediate Management Techniques
 Vegetation demonstrating immediate stress or dieback will be replaced after the first growing season. In addition, soil and climatic factors will be analyzed in relation to plant growth. The following management techniques will be utilized:

- Water plant material at the end of each day or as directed by Exploration Research, Inc.
- Replace plant species with similar vegetation.
- Replace plant species with specified alternative.
- Prune plant species to establish desired growth characteristics and enhance survivability.
- Remove debris that impairs plant growth quarterly.
- Maintain a two inch layer of mulch around each tree to prevent competition and conserve moisture.

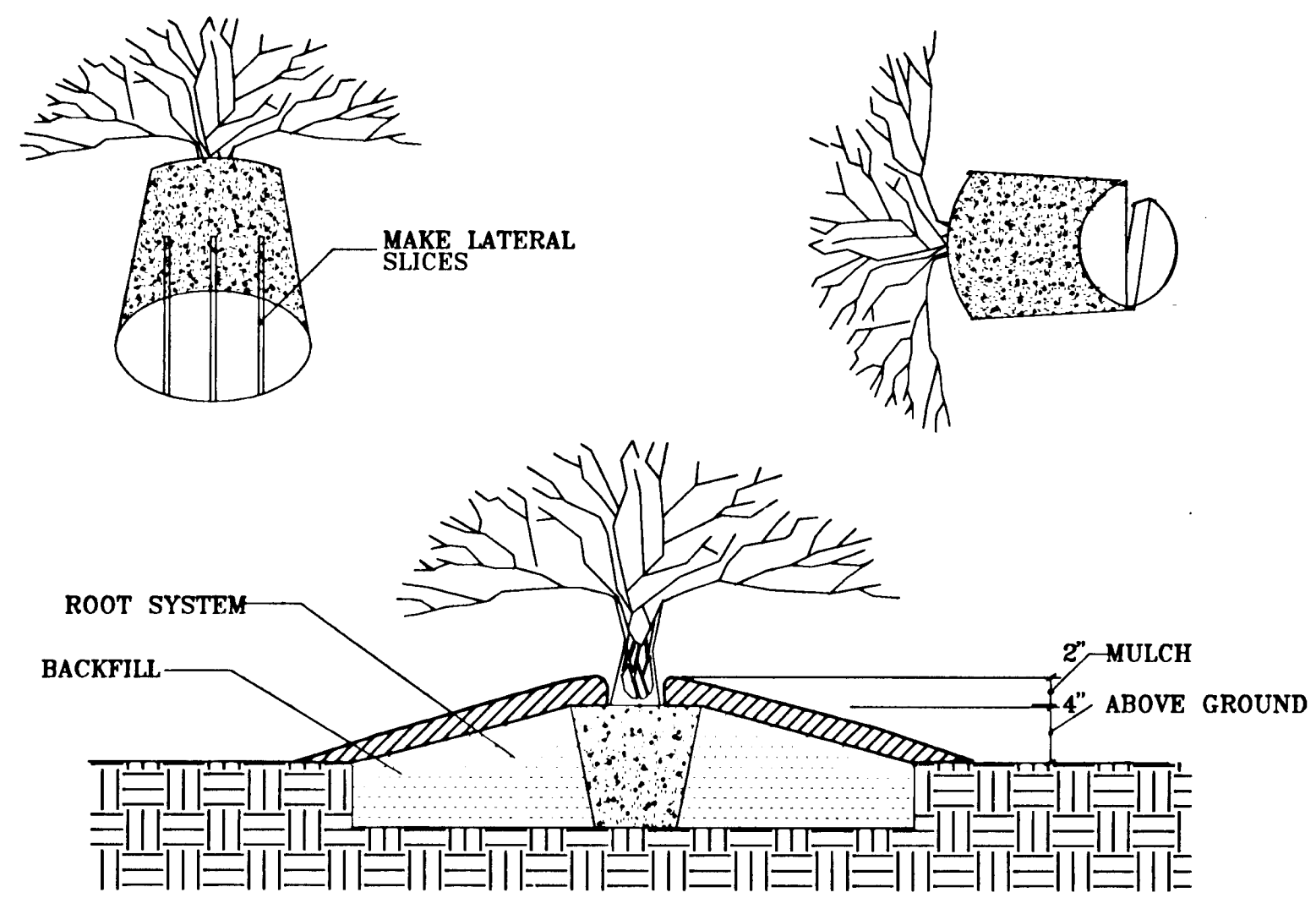
Short Term Management Techniques
 Survey vegetation quarterly to determine appropriate management techniques as specified in Corps of Engineers conditions on Sheet 1 of 4.

Long Term Management Techniques
 Assess mitigation for its functional value in relation to wetland cycles and habitat enhancement as directed in the Corps of Engineers conditions on Sheet 1 of 4.

VII. MITIGATION SUCCESS
 The U.S. Army Corps of Engineers has determined that successful wetland creation will be the establishment of 75% wetland vegetation coverage within the mitigation area two (2) years following the completion of planting. If this goal is achieved, the requirement for mitigation has been completed. Should the 75% coverage not be obtained after the two (2) year period, the reasons for failure will be determined by Exploration Research, Inc. The problems will be corrected so that any areas not established will be replanted by the contractor during the next growing season.

PLANTING PROCEDURES FOR POT BOUND CONTAINER GROWN PLANTS

- REMOVE THE PLANT EITHER BY CUTTING OR INVERTING THE CONTAINER.
- USE A KNIFE TO CUT THROUGH BOTTOM HALF OF THE ROOT BALL.
- PLANT SHRUBS 4" ABOVE THE EXISTING GRADE WHEN HIGH WATER TABLE CONDITIONS EXIST, OTHERWISE PLANT FLUSH WITH EXISTING GRADE
- PLANTING HOLE TO BE THREE TIMES THE DIAMETER OF THE CONTAINER



TREE & SHRUB PLANTING DETAIL
 CONTAINER
 NOT TO SCALE

GENERAL NOTES FOR WETLAND BUFFERS

- Quality and size of plants, spread of roots, and size of balls shall be in accordance with the standards of the American Association of Nurserymen, American Standards for Nursery Stock.
- Contractor shall be required to guarantee all plant materials for a period of two (2) years after installation is complete and approved. At the end of two (2) years, all plant material which is dead or dying shall be replaced at the contractor's expense as originally specified.
- Contractor shall be responsible for any damage to utilities and may make minor adjustments in spacing and/or location of plant materials. Contractor to verify as-built location of all utilities.
- No substitutions shall be made without the approval of the Exploration Research, Inc.'s landscape architect.
- All areas not stabilized in paving or plant materials should be seeded and mulched.
- Evergreen trees shall have a full, well-branched, conical form typical of the species.
- Planting soil mix: 2/3 existing soil (with all stones or debris 2" or larger removed), 1/3 peat humus, composted sludge or other organic material.
- All planting procedures and specifications shall conform to "Landscape Specification Guidelines for Baltimore-Washington Metropolitan Area" latest edition.
- All planting and buffer areas are to be seeded with the specified seed mixture on Sheet 3 of 4

Approved: Department of Planning and Zoning

Richard Blouin 7/30/93
 Chief, Division of Community Development, & RESEARCH

Approved: Department of Public Works

Chief, Bureau of Engineering

Approved: Howard County Department of Public Works

Chief, Land Development Division
 Chief, Bureau of Highways

U.S. ARMY CORPS OF ENGINEERS APPROVAL OF PLANS & SPECIFICATIONS FOR COMPLIANCE WITH PERMIT NUMBERS: 88-065-3, 88-192-3

John A. Morrison March 3, 1993
 SIGNATURE OF U.S. ARMY CORPS OF ENGINEERS, BALTIMORE, MD. DATE

MARYLAND DEPARTMENT OF THE ENVIRONMENT STANDARDS & CERTIFICATION DIVISION APPROVAL OF PLANS SPECIFICATIONS FOR COMPLIANCE WITH PERMIT NUMBERS: 88-WQ-087, 88-WQ-044

Andrew T. De... 2-11-93
 SIGNATURE OF STANDARDS/CERTIFICATION DIVISION DATE

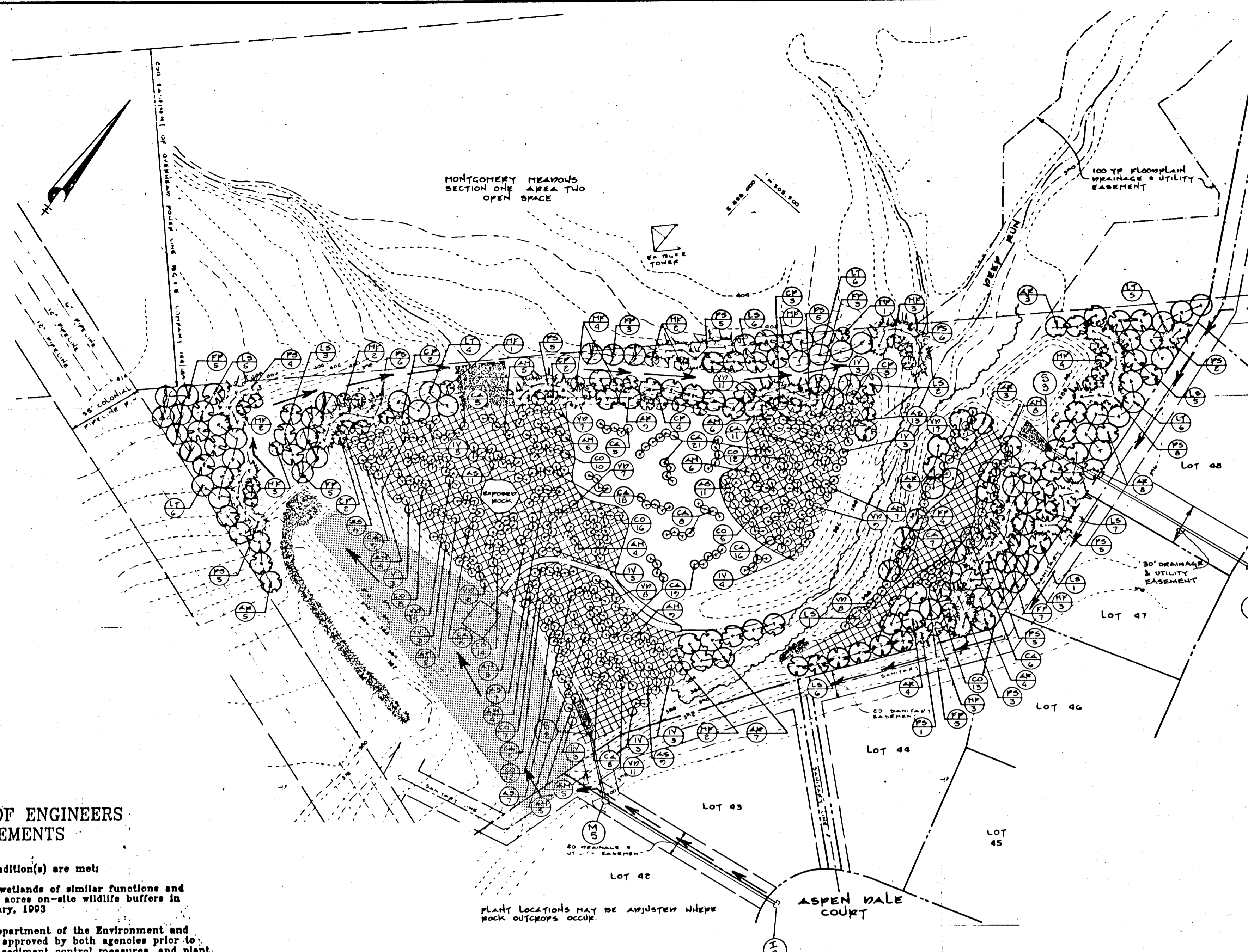
I CERTIFY THAT THESE PLANS WERE PREPARED IN ACCORDANCE WITH USACE & MDE REGULATIONS
Monica B. Hallock 7/30/93
 FOR EXPLORATION RESEARCH, INC.

DRAWN BY: M.J. FLOAM SCALE: N.T.S.
 DESIGNED BY: M.J.F./M.A.M. DATE: 1/15/93
 CHECKED BY: S.L. HUBER SHEET 12 B OF 13

1443

PROJECT DATA

- All information contained on this map is current as of January 6, 1993.
- Wetland areas were identified and delineated using a multi-parameter approach. This approach requires positive identification of WETLAND PLANTS, HYDRIC SOILS, and WETLAND HYDROLOGY for a determination that the area is a wetland.
 - Wetland Plants: A variety of hydrophytic plants were identified within the wetland limits and adjacent land areas.
 - Hydric Soils: Soil morphological characteristics of the undisturbed portions of the site were used to approximate the limits of hydric soil.
 - Wetland Hydrology: The depressional topography of the area was indicative of a seasonally high water table and/or frequent flooding or ponding.
- Wetland Classifications
 - Existing Conditions
 - System: Palustrine
 - Class: Shrub/Scrub & Emergents
 - Subclass: Broadleaf/Deciduous
 - Modifiers:
 - Water Regime: Temporarily Flooded
 - Salinity: Fresh
 - Proposed Conditions
 - System: Palustrine
 - Class: Forested/Shrub & Emergent
 - Subclass: Broadleaf/Deciduous
 - Modifiers:
 - Water Regime: Open Water/Temporarily Flooded
 - Salinity: Fresh
- Waterbody: Little Patuxent Drainage Basin
- Anticipated Construction Date: Fall, 1992
- Anticipated Restoration Construction Date: Spring/Fall, 1993
- Owner/Developer: Elm Street Development
6820 Elm Street, Suite 200
McLean, Virginia 22101



**BALTIMORE DISTRICT CORPS OF ENGINEERS
MITIGATION REQUIREMENTS**

- The mitigation plan is acceptable provided the following condition(s) are met:
- The permittee will successfully create 1.1 acres of nontidal wetlands of similar functions and values of wetlands filled due to the project, and plant 1.30 acres on-site wildlife buffers in accordance with the conceptual mitigation plan dated January, 1993.
 - This final mitigation plan shall be submitted to Maryland Department of the Environment and the U.S. Army Corps of Engineers. These plans need to be approved by both agencies prior to starting work. The plans will include the proposed grades, sediment control measures, and plant information.
 - The permittee shall obtain approval from the U.S. Army Corps of Engineers and Exploration Research, Inc. for any changes of plan species or planting schedule from that specified in the mitigation plan.
 - The wetland creation project will be either performed and/or supervised by Exploration Research, Inc. and in accordance with the final mitigation plan prepared by Exploration Research, Inc.
 - Exploration Research, Inc. will survey the wetland creation site prior to any planting to ensure the elevations of the existing wetland or newly graded surfaces are correct for successful growth of the wetland plants selected.
 - Exploration Research, Inc. will carefully monitor the work at the wetland creation site and keep the Corps District advised of the project starting date and the status of each stage of the project with the submission of quarterly reports to be completed by Exploration Research, Inc.
 - The successful establishment of the wetlands and completion of the requirement for mitigation will be met by the establishment of 75% coverage with wetland plants, two (2) years following the completion of planting, as determined by the Corps District. If the 75% coverage after two (2) years is not obtained the reasons for failure will be determined by Exploration Research, Inc. the problems will be corrected, and areas not established will be replanted by the landscape contractor during the next growing season.
 - The wetland creation site will be reinspected by Exploration Research, Inc. and the U.S. Army Corps of Engineers approximately one (1) year after completion of all work. Any maintenance, repairs or additional measures necessary to ensure the integrity of the project will be performed at that time by the landscape contractor as directed by Exploration Research, Inc.
 - The permittee shall employ measures during construction to prevent spills of fuels or lubricants. If a spill occurs, it shall be controlled to prevent its entry into the waterway.
 - The permittee must obtain Department of the Army authorization for any grading or filling in nontidal wetlands to replace any sediment control devices or temporary construction access roads not previously authorized.
 - Should the permittee violate any of the conditions as listed, the permit shall automatically be suspended.

THE CONTOURS SHOWN HEREON ARE BASED ON AN AS-BUILT SURVEY PREPARED BY WENTBERG & DAVIS, MATHEMATICIAN, INC. EXPLORE RESEARCH, INC. DOES NOT GUARANTEE THE ACCURACY OF THE COMPLETENESS OF THE INFORMATION RECEIVED.

DEVELOPER'S CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT & OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS. ALL PLANT MATERIAL & INSTALLATION MEASURES SHALL CONFORM TO THE DETAILS & NOTES IN THIS SET OF PLANS.
DATE: 1/30/93
SIGNATURE: [Signature]

WETLAND SEED MIX
COMPRISED OF (PER 1000 S.F.)
2 1/2 LBS. ANNUAL RYE
4 oz. PENNSYLVANIA SMARTWEEED
2 oz. CAREX SP.
2 oz. REED TOP
2 oz. WEEP TONGUE

WETLAND MANAGEMENT NOTES
In order to establish a productive, functioning wetland ecosystem, an effective wetland management plan has been developed. The objectives of the management plan include:
1. Reestablish a healthy, self-sustaining vegetative cover.
2. Reestablish self-sustaining hydrological conditions.
3. Enhance and promote maximum wildlife habitat.
In order to establish an effective, workable, and practical wetland management plan, the following strategy is recommended:
1. During and immediately preceding construction of the wetland area, potential or existing problems will be identified and corrective management techniques will be implemented.

EXPLORATION RESEARCH, INC.
Environmental Consultants
8318 Forrest Avenue, Suite 101
Historic Ellicott City, Maryland 21043
Tel: (301) 750-1150, FAX # (301) 750-7350

OWNER/DEVELOPER
ELM STREET DEVELOPMENT
6820 ELM STREET, SUITE 200
MCLEAN, VIRGINIA 22101

PLANTING PLAN
FOR:
MONTGOMERY MEADOWS
MITIGATION PLANS
HOWARD COUNTY, MARYLAND
RITZLY MANOR
88-WQ-044
88-WQ-044
88-085-3

U.S. Army Corps of Engineers
Approval Of Plans And Specifications
For Compliance With Permit Number 88-0875-3, 88-190E-3
Signature: [Signature] Date: 1/30/93
Engineers, Baltimore, MD

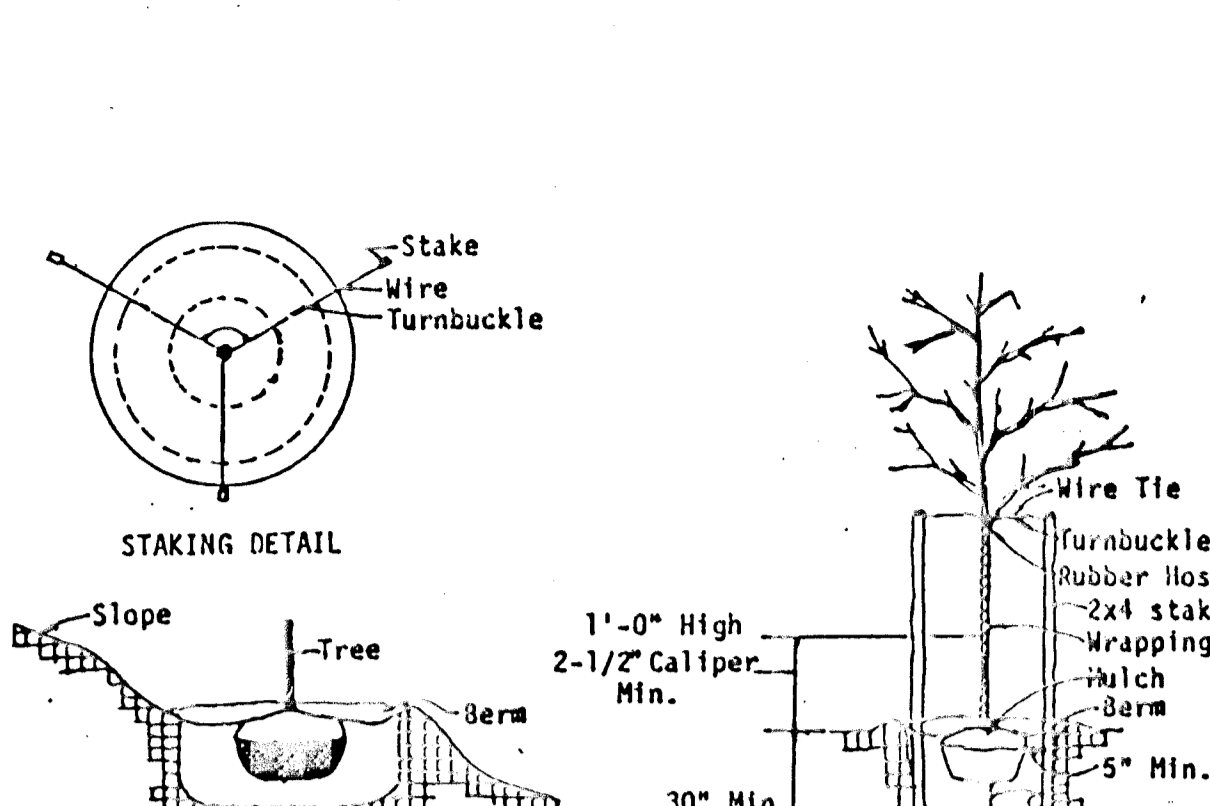
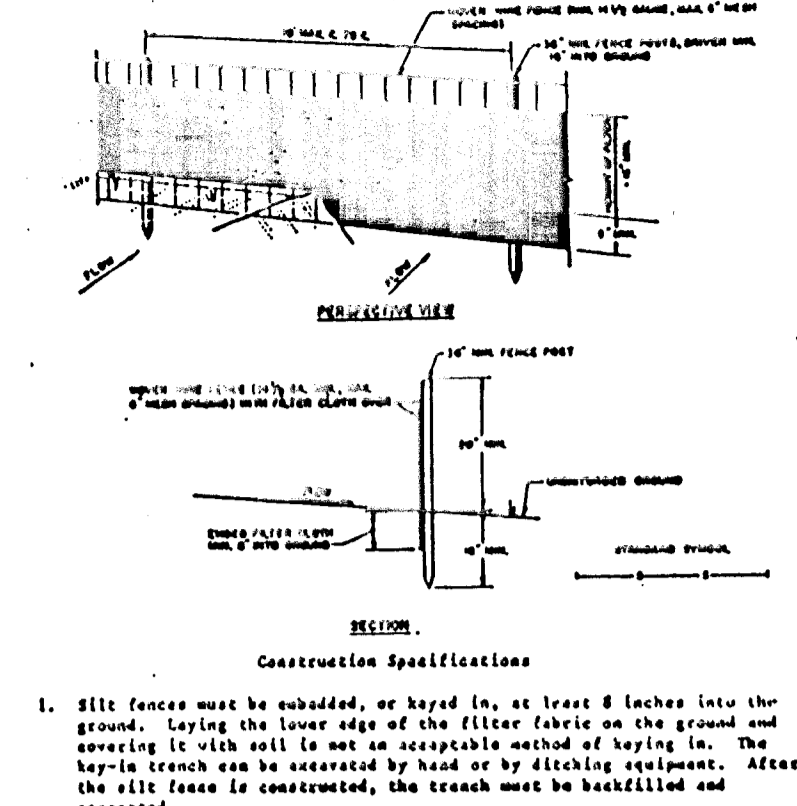
Maryland Department Of The Environment
Standards & Certification Division
Approval Of Plans And Specifications
For Compliance With Permit Number 88-WQ-0567
Signature: [Signature] Date: 2-1-93
Certification Division

I CERTIFY THAT THESE PLANS WERE PREPARED IN ACCORDANCE WITH THE USECOE & MDE REGULATIONS.
Signature: [Signature] Date: 1/30/93
FOR EXPLORATION RESEARCH, INC.

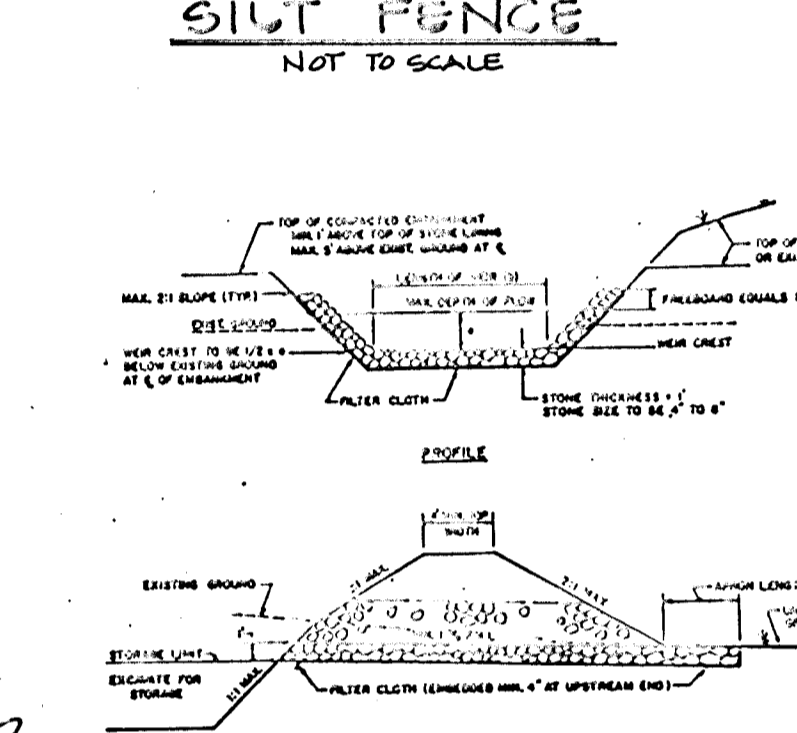
Drawn By: MJF Scale: 1" = 50'
Designed By: MJF/HAM Date: 1/15/93
Checked By: SLH Sheet: 12A of 13

Approved: Department of Planning and Zoning
Richard Blood 2/30/93
Chief, Division of Community Development & RESEARCH
Approved: Department of Public Works
Chief, Bureau of Engineering
Approved: Howard County Department of Public Works
Chief, Land Development Division
Chief, Bureau of Highways

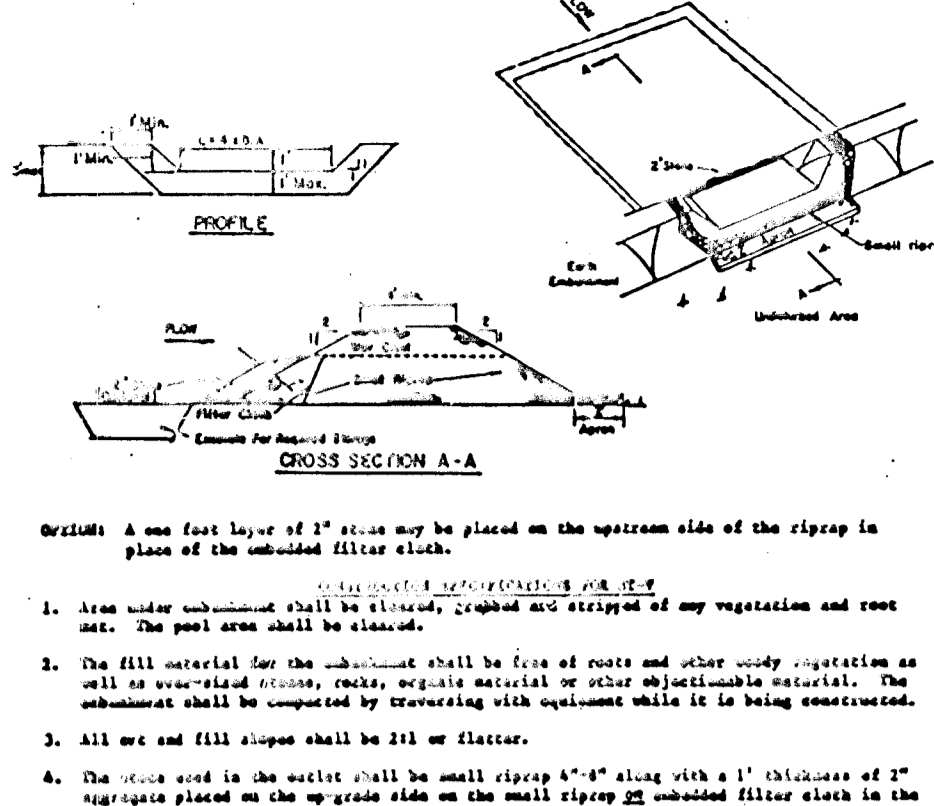
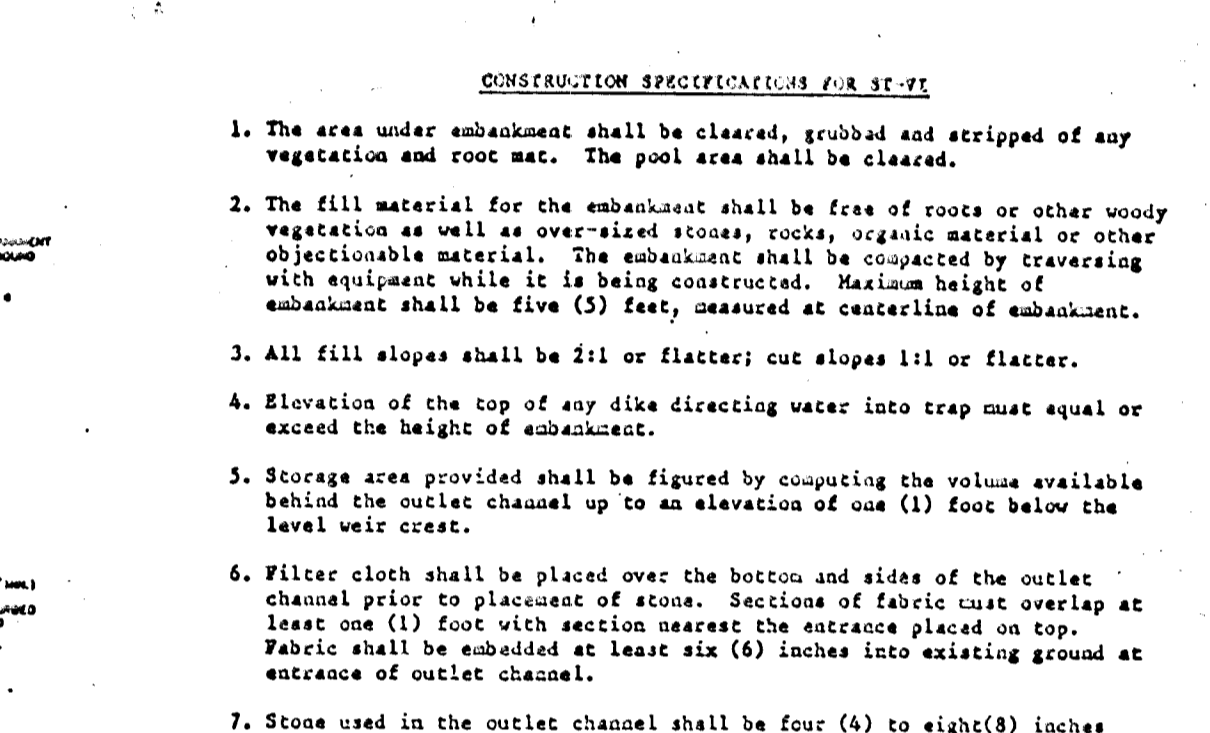
GENERAL NOTES: 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS... 2. THE FILL MATERIAL SHALL BE FREE OF ROCKS, STONES, OR OTHER OBJECTS... 3. THE FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING 18" IN THICKNESS...



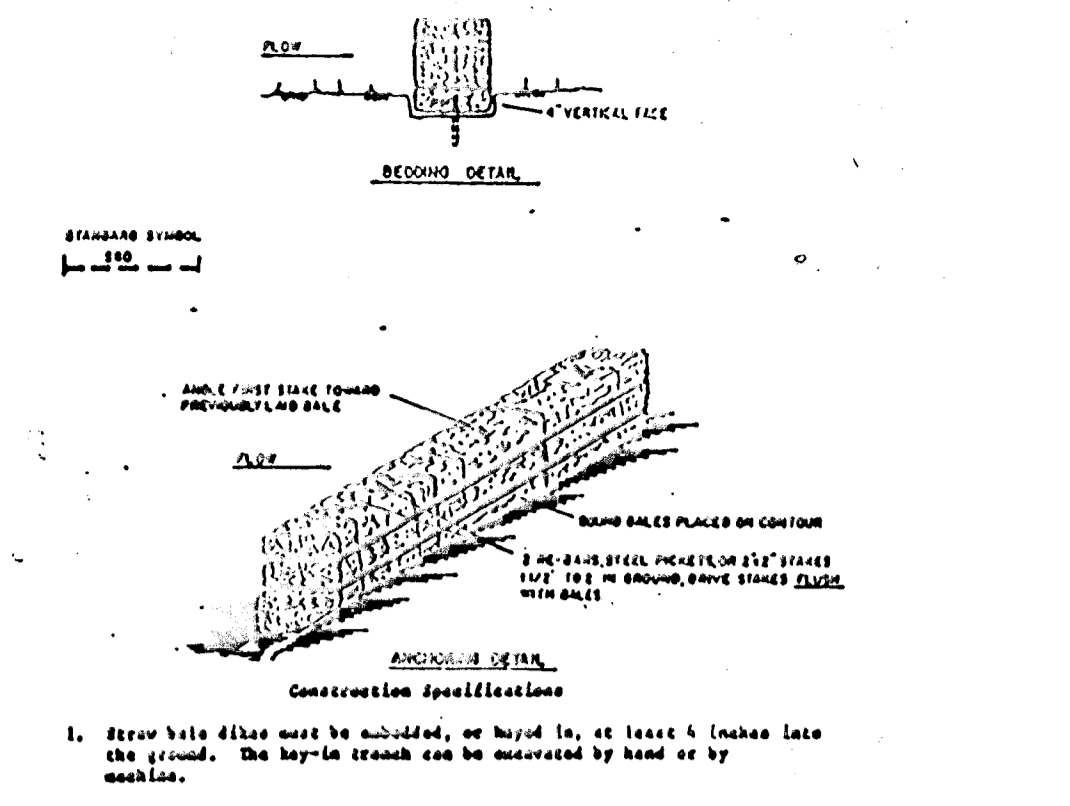
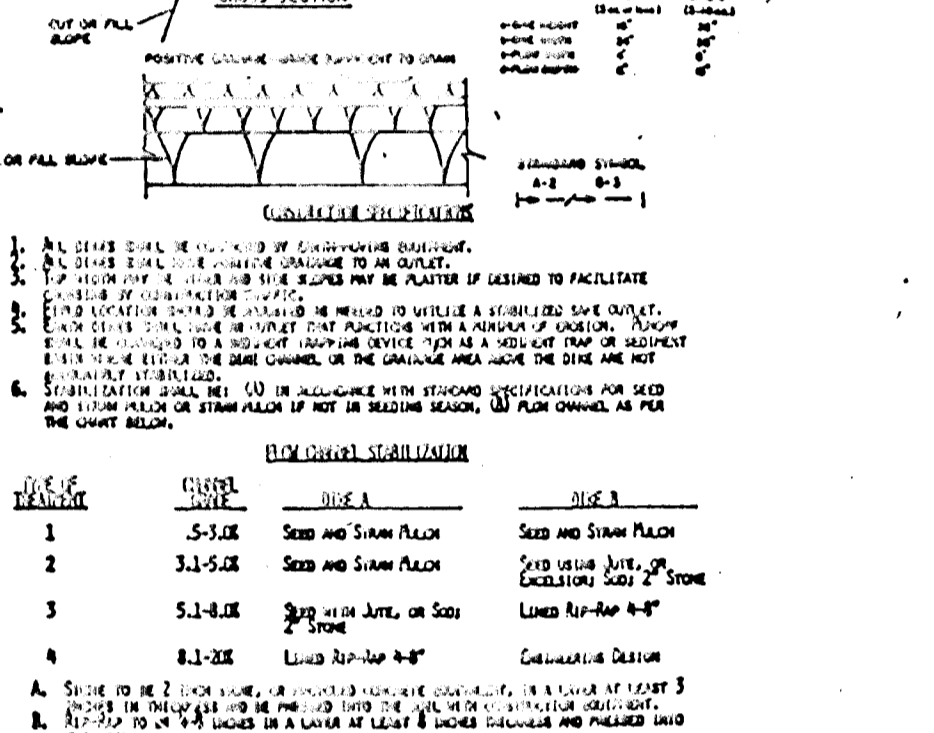
CONSTRUCTION SPECIFICATIONS FOR ST-1: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...



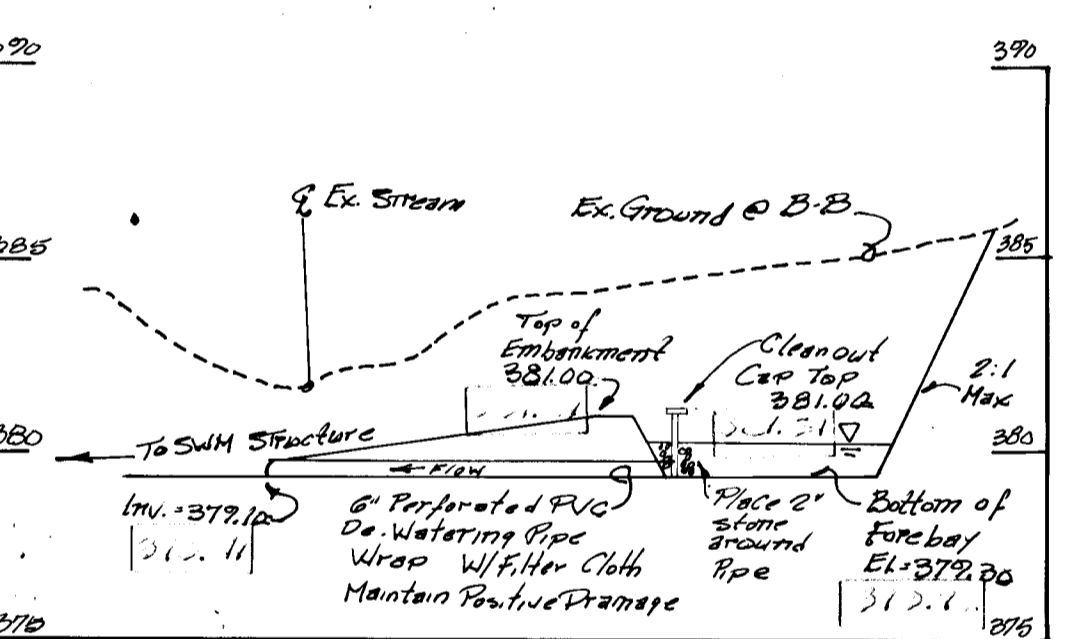
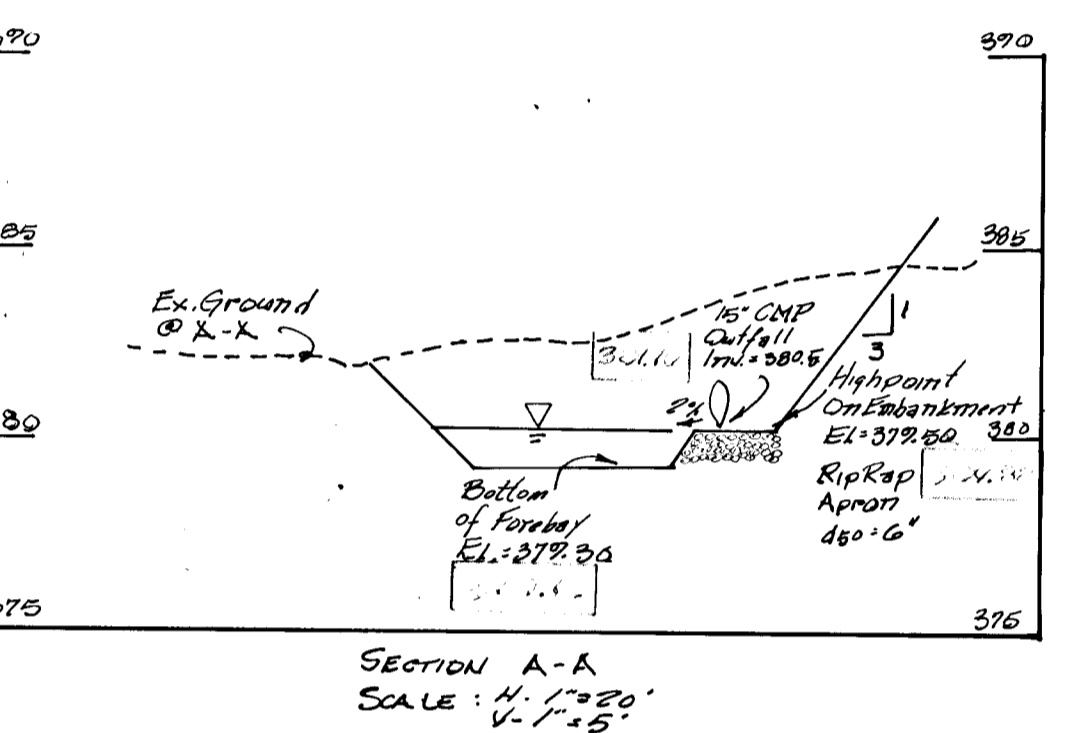
GRADING FOR PLANTING ON SLOPES: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...



CONSTRUCTION SPECIFICATIONS FOR ST-2: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...

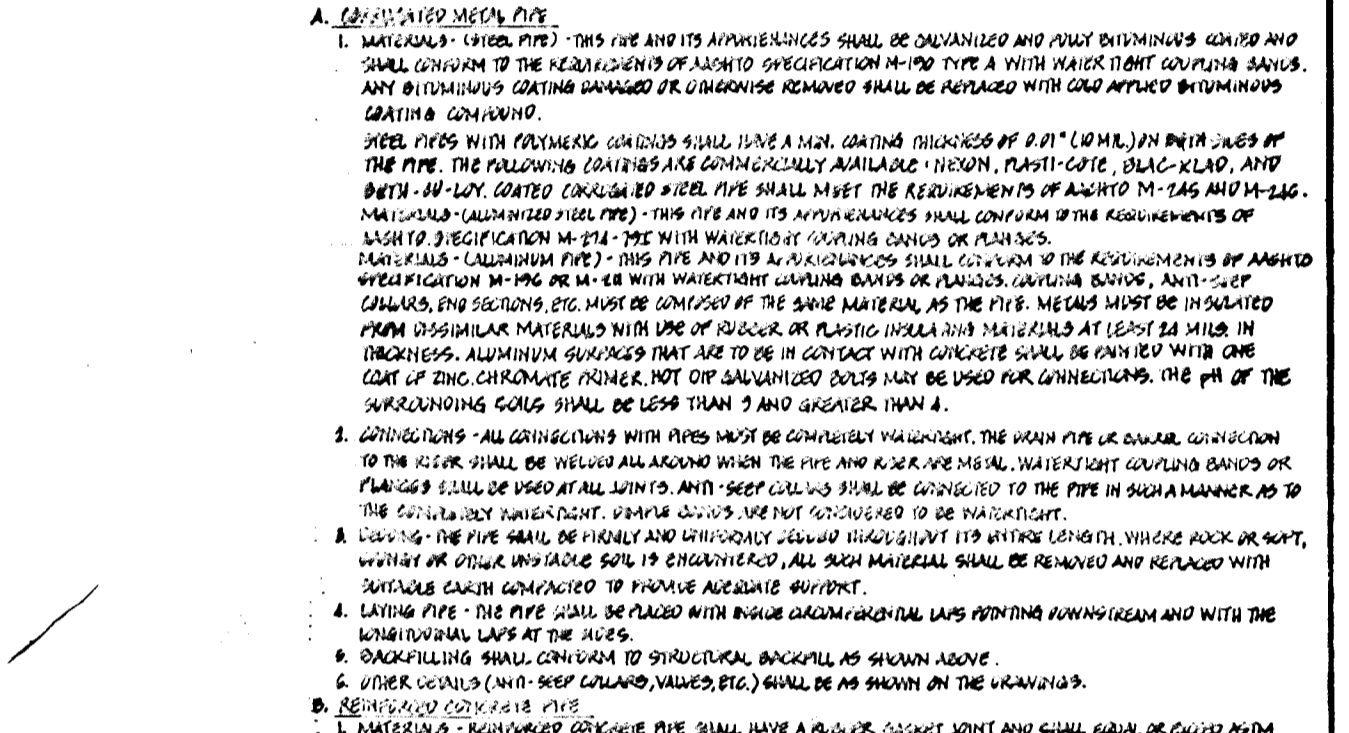


CONSTRUCTION SPECIFICATIONS FOR ST-4: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...



GENERAL NOTES: 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS... 2. THE FILL MATERIAL SHALL BE FREE OF ROCKS, STONES, OR OTHER OBJECTS... 3. THE FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING 18" IN THICKNESS...

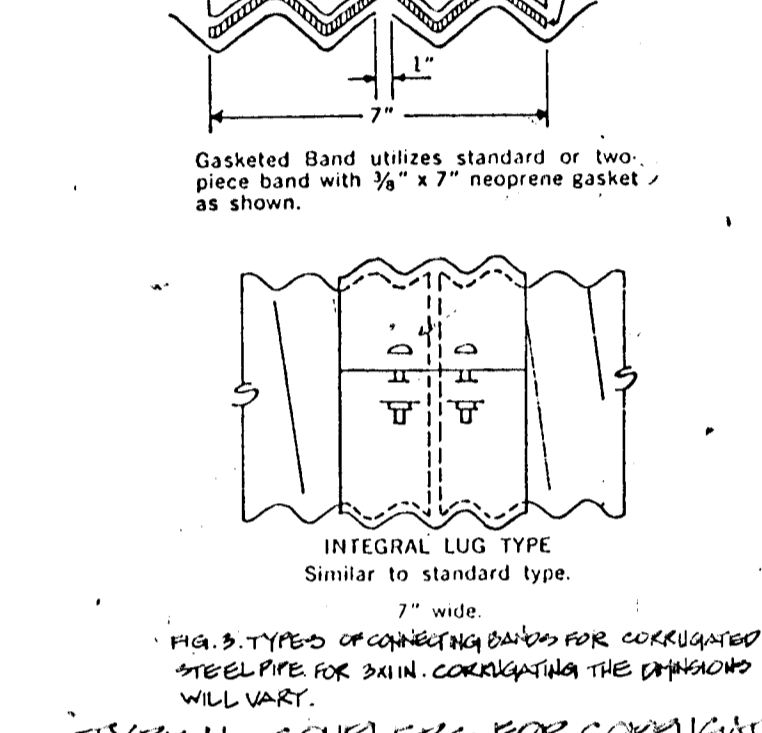
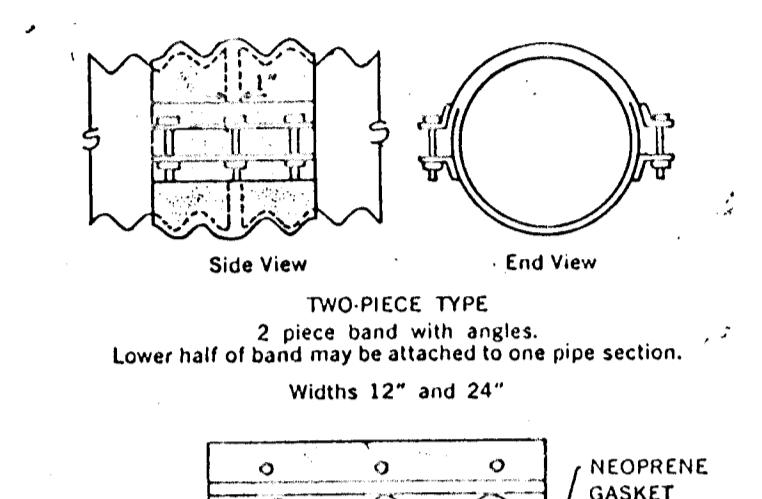
CONSTRUCTION SPECIFICATIONS FOR ST-7: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...



CONSTRUCTION SPECIFICATIONS FOR ST-8: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...

CONSTRUCTION SPECIFICATIONS FOR ST-9: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...

CONSTRUCTION SPECIFICATIONS FOR ST-10: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...



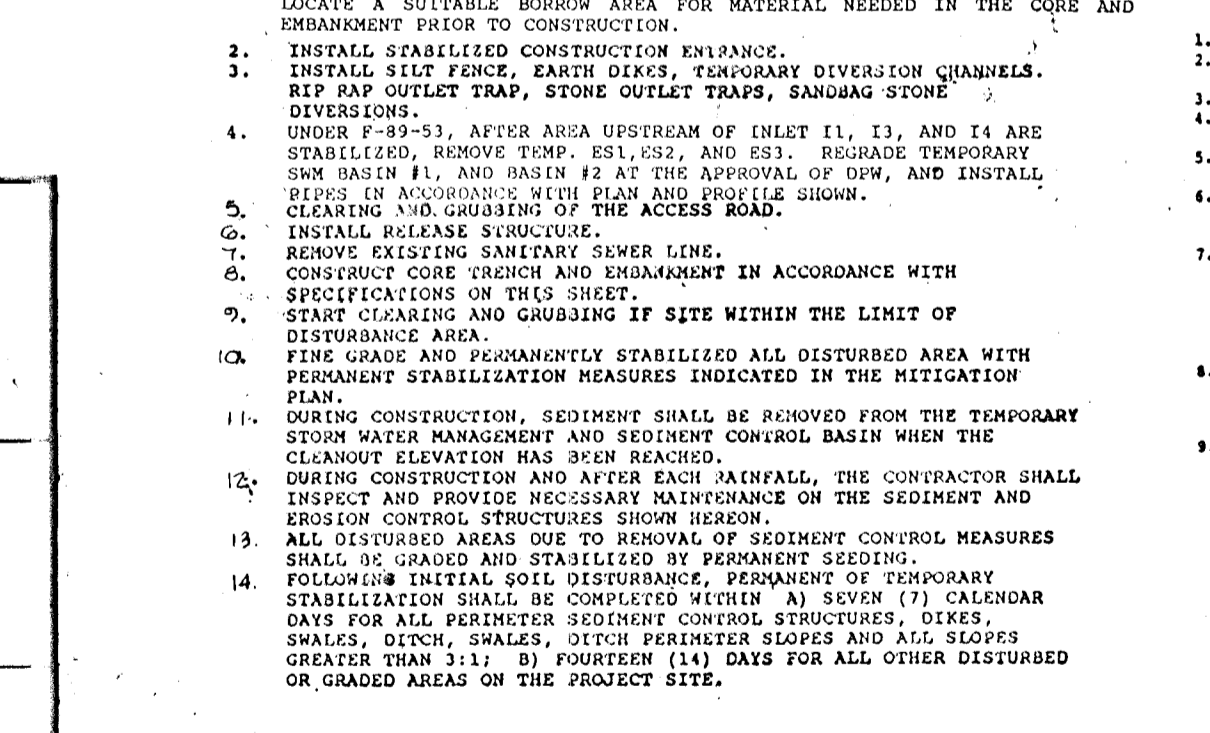
GENERAL NOTES: 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS... 2. THE FILL MATERIAL SHALL BE FREE OF ROCKS, STONES, OR OTHER OBJECTS... 3. THE FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING 18" IN THICKNESS...

GENERAL NOTES: 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS... 2. THE FILL MATERIAL SHALL BE FREE OF ROCKS, STONES, OR OTHER OBJECTS... 3. THE FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING 18" IN THICKNESS...

GENERAL NOTES: 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS... 2. THE FILL MATERIAL SHALL BE FREE OF ROCKS, STONES, OR OTHER OBJECTS... 3. THE FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING 18" IN THICKNESS...

DEVELOPER'S CERTIFICATE: I certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Accomplishment as 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.

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING: I certify that these plans have been reviewed for the Howard Soil Conservation District and meet the requirements of the Howard Soil Conservation District. I also authorize periodic on-site inspections by the Howard Soil Conservation District.



CONSTRUCTION SPECIFICATIONS FOR ST-11: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...

CONSTRUCTION SPECIFICATIONS FOR ST-12: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...

CONSTRUCTION SPECIFICATIONS FOR ST-13: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...

CONSTRUCTION SPECIFICATIONS FOR ST-14: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...

CONSTRUCTION SPECIFICATIONS FOR ST-15: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...

CONSTRUCTION SPECIFICATIONS FOR ST-16: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...

CONSTRUCTION SPECIFICATIONS FOR ST-17: 1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and rock mat. The pool area shall be cleared. 2. The fill material for the embankment shall be free of rocks or other woody vegetation...

Table with columns: DESIGNED, DRAWN, CHECKED, APPROVED, DATE, BY, DESCRIPTION. Includes names like B.D. BURTON, J.R. GILSON, and dates like 1/21/89.

Dewberry & Davis ENGINEERS - ARCHITECTS - PLANNERS - SURVEYORS. 3300 N. RIDGE ROAD, SUITE 100, ELLICOTT CITY, MD. 21043. (301) 461-7478.

OWNER & DEVELOPER: NV LAND, INC. 6820 ELM STREET, McLEANS, VIRGINIA 22101. PHONE: (703) 734-9730.

Table with columns: REVISIONS, DATE, BY, DESCRIPTION. Includes revision numbers and descriptions like 'REV SWM SPEC' and 'ADD PROFILES'.