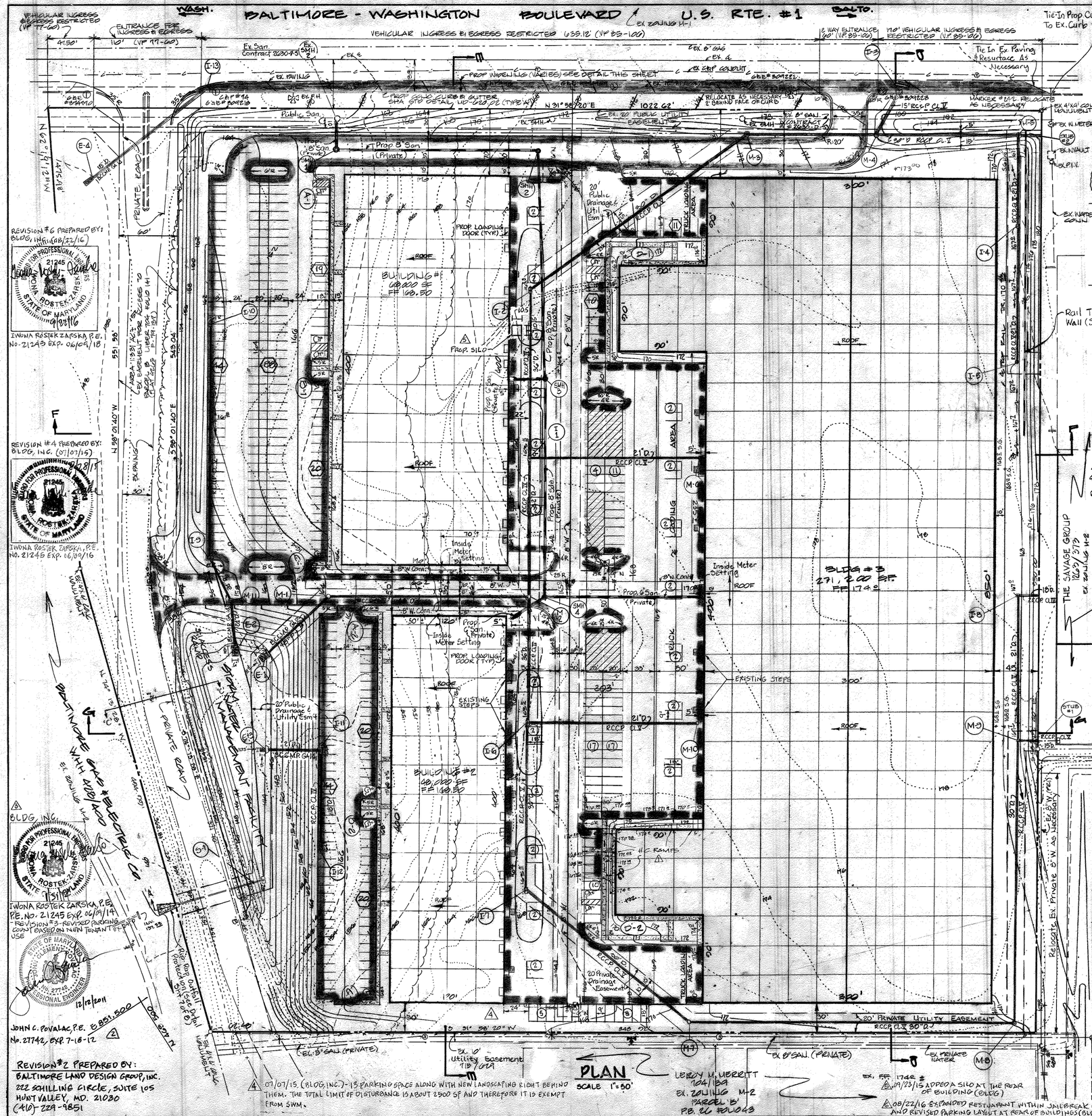
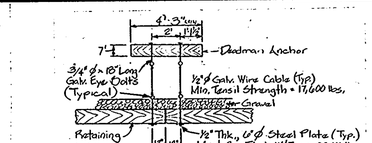

WASH.
BALTIMORE - WASHINGTON BOULEVARD / U.S. RTE. #1
BALTO.
EX ZONING M-1
VEHICULAR INGRESS & EGRESS RESTRICTED (VP 77-060)
ENTRANCE FOR INGRESS & EGRESS
VEHICULAR INGRESS & EGRESS RESTRICTED 635.12' (VP 83-100)
2 WAY ENTRANCE 26' (VP 85-100)
70' VEHICULAR INGRESS & EGRESS RESTRICTED (VP 85-100)
Tie-In Prop Curb To Ex. Curb
Tie In Ex. Paving & Resurface As Necessary
PROP WHEELCHAIR RAMP (TYP.) SEE DETAIL THIS SHEET
Ex. San. Contract 22B0-W-S
PROP. 8" SAN. (PRIVATE)
PROP. 8" SAN. (PRIVATE)
PROP. 20' PUBLIC UTILITY EASEMENT
RELOCATE AS NECESSARY & BEHIND FACE OF CURB
WALKER # 1222 RELOCATE AS NECESSARY
EX. 4'X4' SOLID. MANHOLE
EX. N. WATER
EX. WATER CONN.
PROP. 8" SAN. (PRIVATE)
PROP. 8" SAN. (PRIVATE)
PROP. 20' Public Drainage & Util. Esm't
PROP. LOADING DOOR (TYP.)
TRUCK LOADING AREA
BUILDING #1 40,000 SF FF 168.50
PROP. SILO
BUILDING #3 271,200 SF FF 174.0
EXISTING STEPS
BUILDING #2 40,000 SF FF 168.50
STORM WATER MANAGEMENT FACILITY
BALTIMORE GAS & ELECTRIC CO.
20' Public Drainage & Utility Esm't
20' Private Drainage & Utility Esm't
Inside Meter Setting
PROP. 8" SAN. (Private)
EX. 8" SAN. (PRIVATE)
EX. 12" WATER MAIN
EX. 8" SAN. (PRIVATE)
EX. 6" WATER
EX. 8" SAN. (PRIVATE)
EX. 12" WATER MAIN
EX. 8" SAN. (PRIVATE)
EX. 8" SAN. (PRIVATE)
EX. 8" SAN. (PRIVATE)

SPECIFICATIONS FOR TIMBER CRIBBING

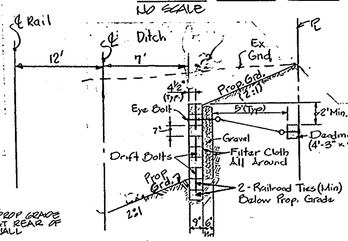
1. MATERIAL
Timber Used For Cribbing Shall Be Pressure Creosoted Before Delivery To The Job In Accordance With AASHTO Designation M-133-65 (Creosote Shall Conform To AWPA P1). All Framing Shall Be Done In A Workmanlike Manner True To Line And Angle. When Any Field Framing, Boring And Cutting Of Treated Material Is Required, All Such Framing And Cuts Shall Receive A Thorough Coating Of Creosote Oil.

2. INSTALLATION
(A) Preparing Base: The Foundation Or Bed For The Crib Shall Be Firm And As Uniform As Possible And Shall Be Approved By The Engineer Before Any Cribbing Is Placed. The Foundation Shall Be Sloped At Right Angles To The Face Of The Finished Crib.
(B) Timbers: The Timbers In The Base Tier And In Alternate Tiers Above The Base Shall Be A Minimum Length Of 8'-0" Except As Shown. Joints In Each Tier Shall Be Staggered With Joints In Adjacent Tiers.
(C) Anchor Cables: Anchor Cables Shall Be Spaced Not More Than 8'-0" Center To Center In Any Horizontal Tier. The Vertical Spacing Between Anchor Cables In The Same Vertical Plane Shall Be As Shown On The Drawing. Deadman Anchor (Retired Ties) Shall Be Tied To The Cribbing According To Details Shown On The Drawings.
(D) Fastenings: Each Successive Tier Of Cribbing Shall Be Driftbolted To The One Upon Which It Rests By Drift Bolts Or Pins Not Less Than ¾ Inch In Size. Standard Reinforcing Steel May Be Used Of Sufficient Length To Extend Through Two (2) Tiers And Not Less Than 4 Inches Into The Third Tier. Drift Bolts Shall Be Staggered As Shown On The Plan. All Ties Shall Be Drilled With ¾ Inch Holes For Pins.

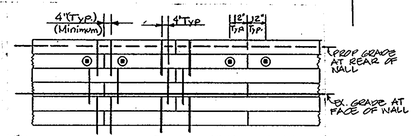
3. FILLING
Approved Fill Material Of Crushed Stone, Gravel, Or Other Coarse Granular Material, Well Graded From A Maximum Size Of 4 Inches Down Shall Be Placed In Such A Manner As To Provide A Maximum Of Voids. Larger Stones May Be Used If Carefully Embedded. All Vegetable Matter Shall Be Excluded From The Filling Material. Clay Or Material Having A Large Percentage Of Clay Shall Not Be Used As Fill.



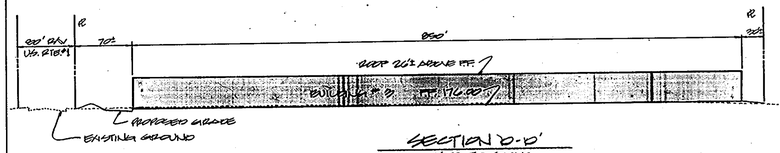
RAIL TIE RETAINING WALL DEADMAN ANCHOR DETAIL
NO SCALE



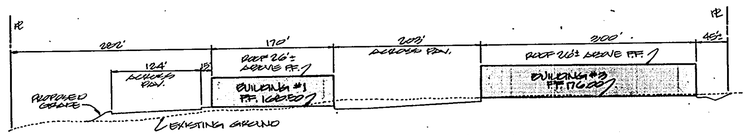
TYPICAL SECTION THROUGH RAIL TIE RETAINING WALL
NO SCALE



RAIL TIE RETAINING WALL TYPICAL BOLT & PIN DETAIL
NO SCALE



SECTION 'D-D'
NOT TO SCALE



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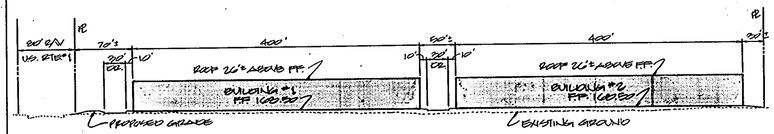
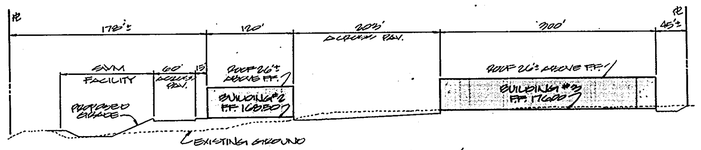


SECTION 'E-E'
NOT TO SCALE



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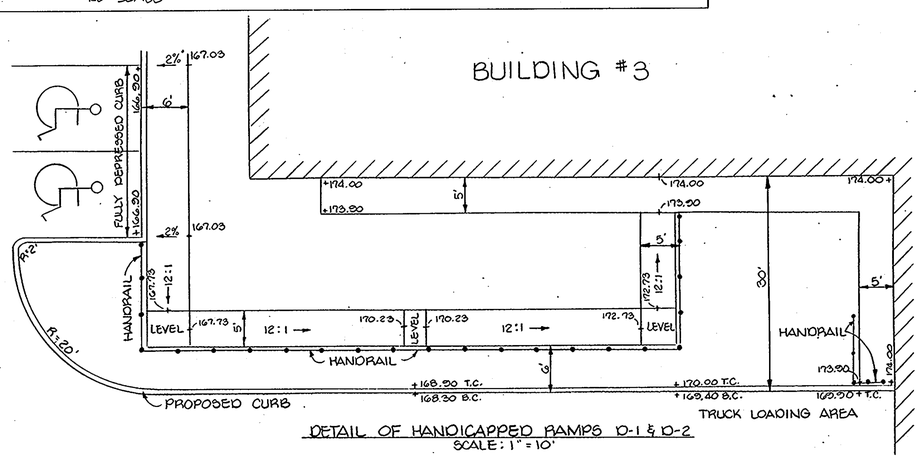
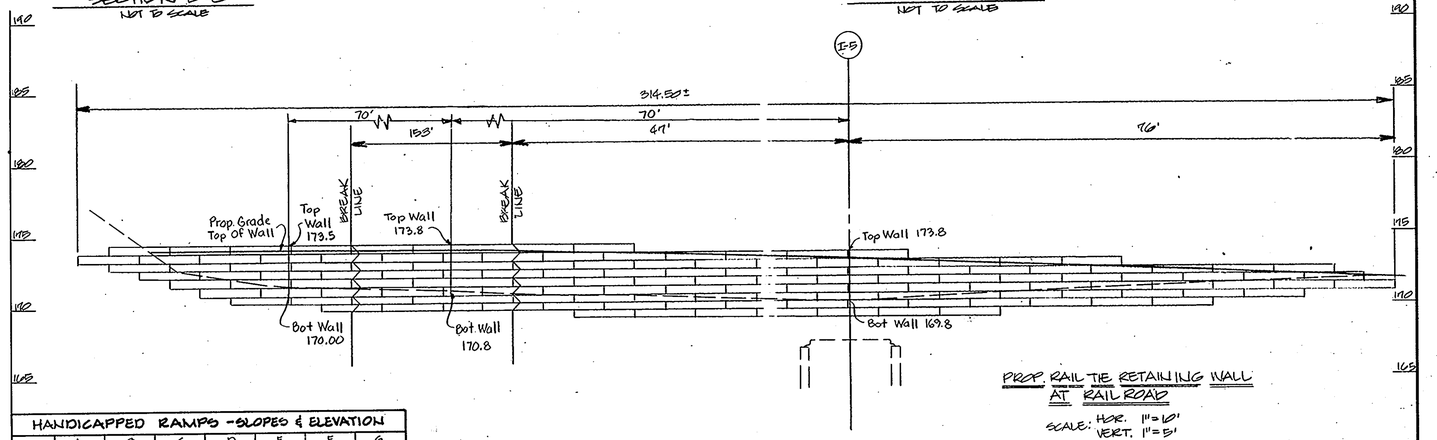
NOT TO SCALE



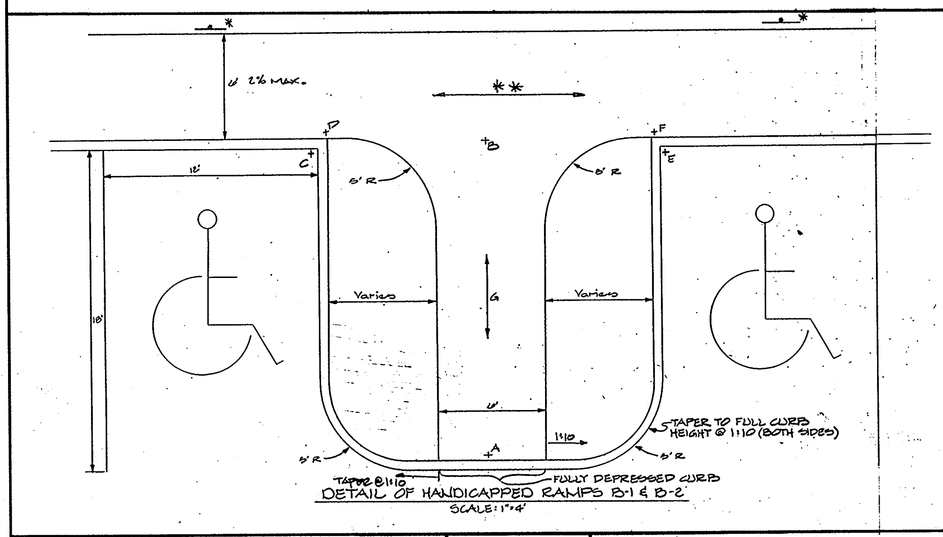
DETAIL OF HANDICAPPED RAMPS D-1 & D-2
SCALE: 1" = 10'



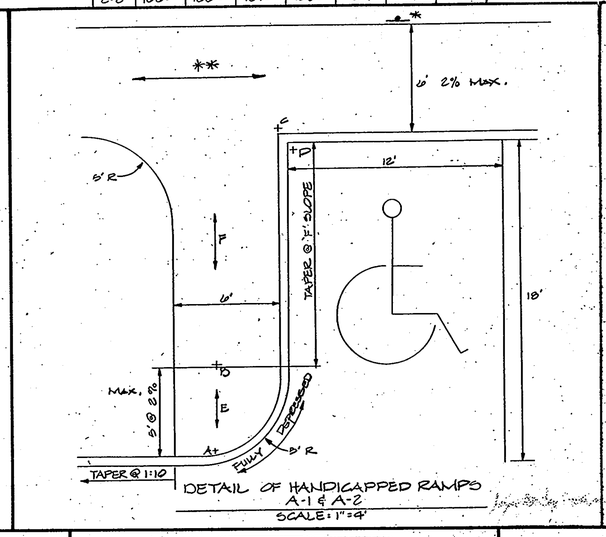
PROP. RAIL TIE RETAINING WALL AT RAILROAD
SCALE: HOR. 1"=10'
VERT. 1"=5'

HANDICAPPED RAMPS - SLOPES & ELEVATION							
	A	B	C	D	E	F	G
A-1	167.83	167.33	168.33	167.33	2%	8.3%	—
A-2	166.83	166.33	167.33	167.33	2%	8.3%	—
B-1	166.83	166.33	167.33	166.83	167.33	166.83	2.7%
B-2	166.83	166.33	167.33	166.83	167.33	166.83	2.7%
C-1	165.83	165.33	165.33	166.33	2%	8.3%	—
C-2	166.83	166.33	167.33	166.83	2%	5.56%	—

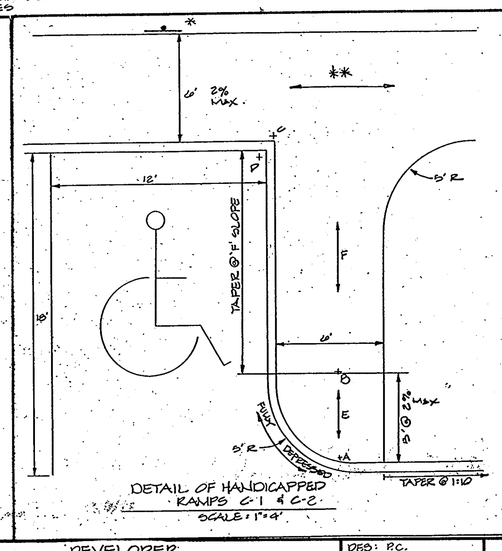
* ONE SIGN CENTERED ON EACH PARKING SPACE.
** SEE SHT. 1 OF 8 FOR CONTINUED GRADES AND SLOPES



DETAIL OF HANDICAPPED RAMPS B-1 & B-2
SCALE: 1"=4'



DETAIL OF HANDICAPPED RAMPS A-1 & A-2
SCALE: 1"=4'



DETAIL OF HANDICAPPED RAMPS C-1 & C-2
SCALE: 1"=4'

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-24-85

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: [illegible] DATE: [illegible]
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR: [illegible] DATE: 7-11-85
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: [illegible] DATE: 7-10-85
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: [illegible] DATE: 7-5-85
CHIEF, BUREAU OF ENGINEERING: [illegible] DATE: 7-3-85
HOWARD SOIL CONSERVATION DISTRICT
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT: [illegible] DATE: 7-2-85
APPROVED: HOWARD SOIL CONSERVATION DISTRICT
REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
SIGNATURE: [illegible] DATE: 7-1-85
THE UNITED STATES SOIL CONSERVATION SERVICE

GEORGE WILLIAM STEPHENS JR. AND ASSOCIATES INC
ENGINEERS
303 ALLEGHENY AVE. TOWSON, MD. 21204
(301) 825-8120

STATE OF MARYLAND — THEODORE CHARLES CHASANOV — REGISTERED PROFESSIONAL ENGINEER

ENGINEER
Theodore Chasanov 8930 12-5-84
REG. NO. DATE

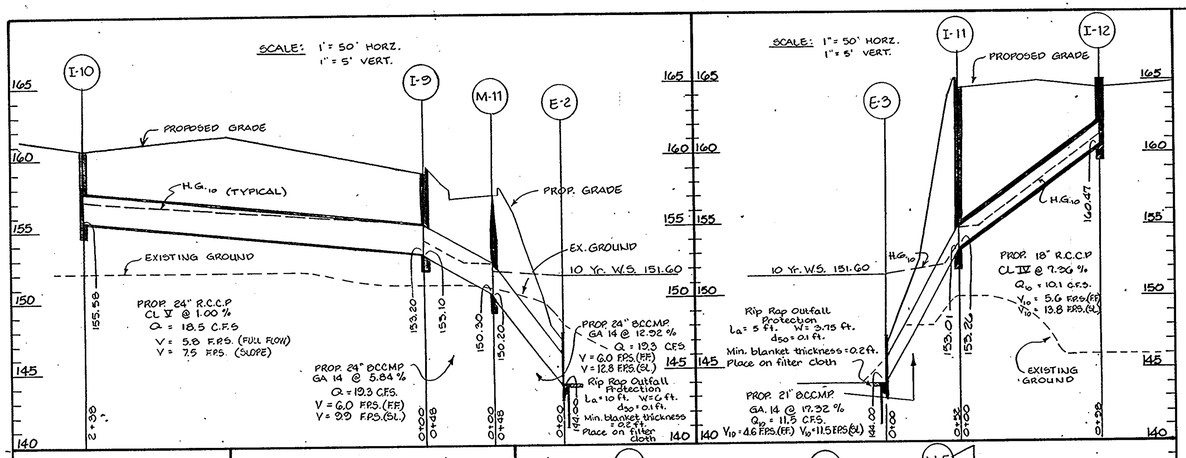
MERRITT
2066 Lord Baltimore Drive
Baltimore, Maryland 21207
(301) 298-2600

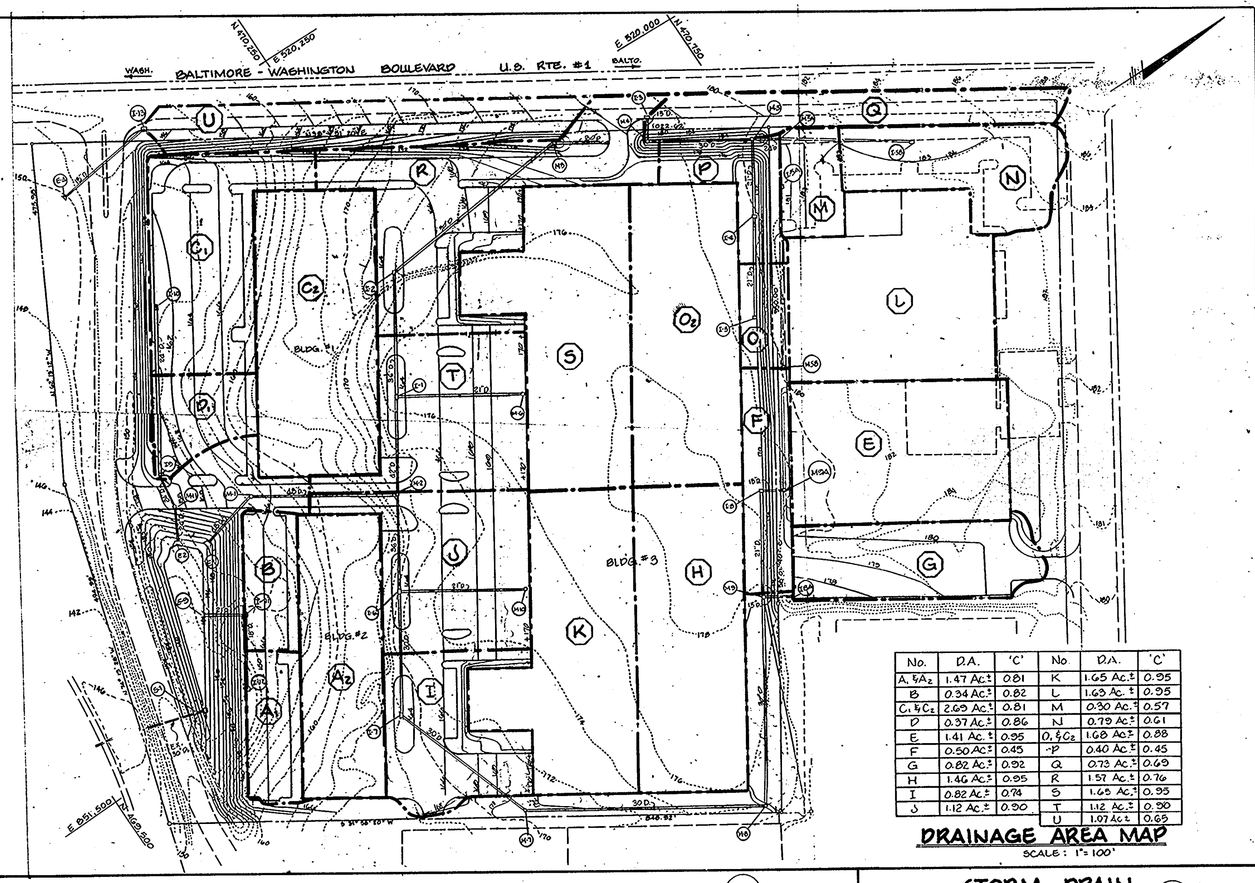
DEVELOPER
BY: Leroy M. Merritt 12/5/84
TITLE: DEVELOPER DATE

DES: P.C.
DRN: D.R.R / D.M.B
CHK: T.C. / P.C.
REVISIONS

PROFILES AND DETAILS
FOR
PROPERTY OF "LEROY M. MERRITT"
PARCEL 'A' - A RESUBDIVISION OF HOWARD COUNTY TITLE HOLDING COMPANY, INC.
HOWARD COUNTY, MD. — ELECTION DISTRICT No. 6
SCALE AS SHOWN — DECEMBER 5, 1984
P.N. 5077 — SHEET 2 OF 8

SDP-85-108





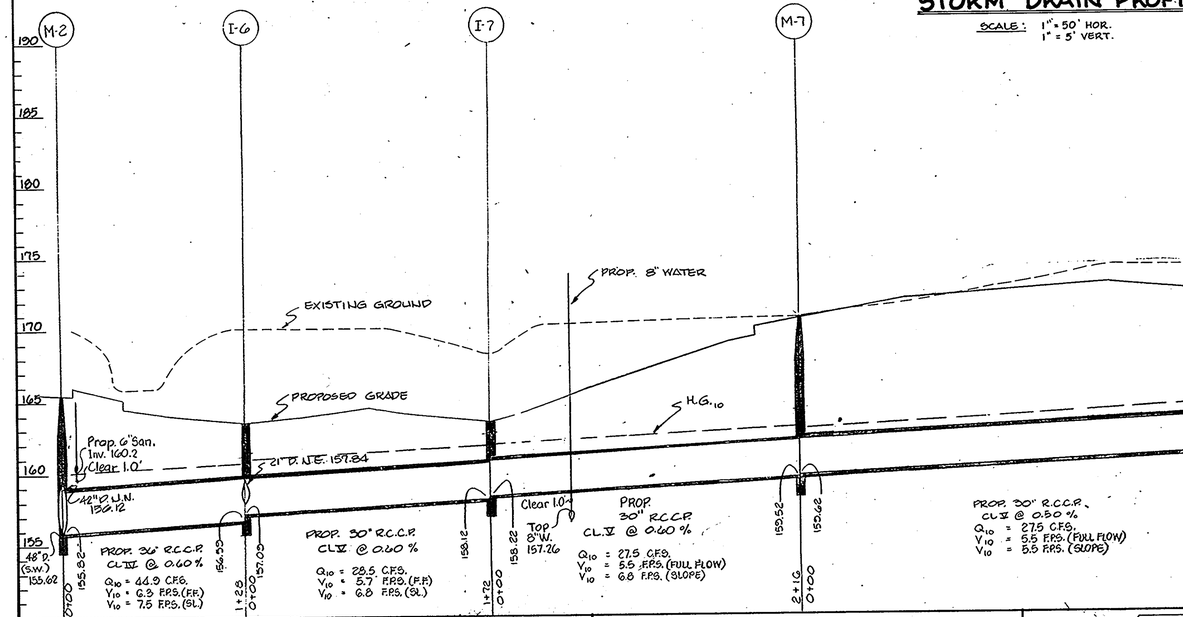
No.	D.A.	'C'	No	D.A.	'C'
A, ½A2	1.47 Ac.±	0.81	K	1.65 Ac.±	0.95
B	0.34 Ac.±	0.82	L	1.65 Ac.±	0.95
C1, ½C2	2.65 Ac.±	0.81	M	0.30 Ac.±	0.57
D	0.37 Ac.±	0.86	N	0.79 Ac.±	0.61
E	1.41 Ac.±	0.95	O, ½C2	1.68 Ac.±	0.88
F	0.50 Ac.±	0.45	P	0.40 Ac.±	0.45
G	0.82 Ac.±	0.92	Q	0.73 Ac.±	0.69
H	1.46 Ac.±	0.85	R	1.57 Ac.±	0.76
I	0.82 Ac.±	0.74	S	1.65 Ac.±	0.95
J	1.12 Ac.±	0.90	T	1.12 Ac.±	0.90
			U	1.07 Ac.±	0.65

DRAINAGE AREA MAP

SCALE: 1" = 100'

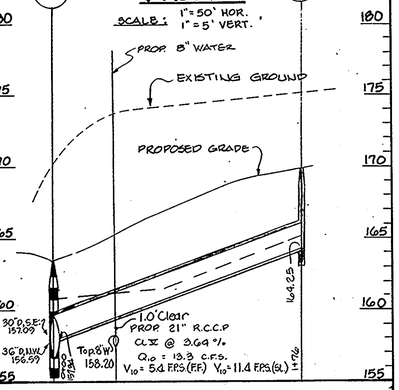
STORM DRAIN PROFILE

SCALE: 1" = 50' HOR.
1" = 5' VERT.



STORM DRAIN PROFILE

SCALE: 1" = 50' HOR.
1" = 5' VERT.



APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-24-85

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: DATE: 7-5-85
CHIEF, BUREAU OF ENGINEERING: DATE: 7/15/85

HOWARD SOIL CONSERVATION DISTRICT
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT: DATE: 7-2-85
APPROVED: HOWARD SOIL CONSERVATION DISTRICT
REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
SIGNATURE: DATE 7-1-85
THE UNITED STATES SOIL CONSERVATION SERVICE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR DATE: 7-11-85
CHIEF; DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION;

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: DATE: 7/10/85

DEVELOPER
BY: Leroy M. Merritt
TITLE: DEVELOPER 12/5/84 DATE

MERRITT
2066 Lord Baltimore Drive
Baltimore, Maryland 21207
(301) 298-2600

ENGINEER
BY: 8930 12-5-84
REG. NO. DATE

GEORGE WILLIAM STEPHENS, JR. & ASSOCIATES INC.
ENGINEERS & SURVEYORS
303 ALLEGHENY AVENUE
TOWSON, MARYLAND 21204

Designed By: T.H.
Drawn By: K.L.B
Checked By: T.C. / P.C.

REVISIONS
9-16-85 REV. H.O. SEE NEED E-3703-11, & E-2 TO M-11.

STORM DRAIN PROFILES & DETAILS
FOR
PROPERTY OF "LEROY M. MERRITT"
PARCEL 'A' - A RESUBDIVISION OF HOWARD COUNTY TITLE HOLDING COMPANY, INC.

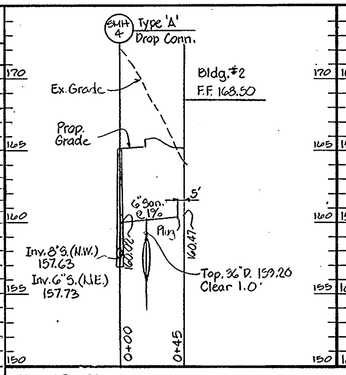
HOWARD COUNTY, MD.
SCALE AS SHOWN
P.N. 5077
ELECTION DISTRICT #6
DECEMBER 5, 1984
SHEET 3 OF 8

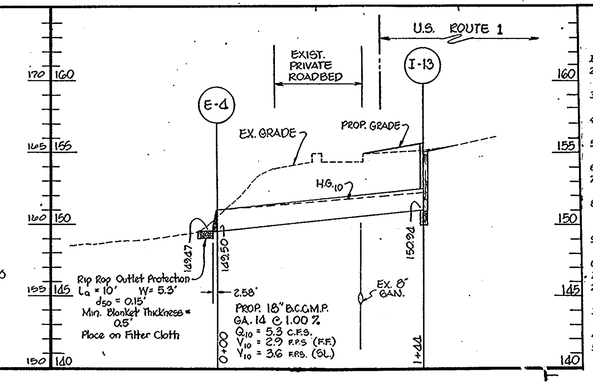
SDP-85-108

STRUCTURE SCHEDULE

*TOP CURB GRADE

No.	TYPE	TOP ELEV.	INV. IN	INV. OUT	REMARKS
I-1	DBL. 'S' GRATE	163.50	157.48	156.98	H.C. STD. S.D. 4.23
I-2	DBL. 'S' GRATE	163.50	158.71	158.51	H.C. STD. S.D. 4.23
I-3	DBL. 'S' COMB.	*177.77	—	170.00	S.H.A. STD. MD-379.04
I-4	SINGLE 'S' GRATE	169.00	163.04	162.94	H.C. STD. S.D. 4.22
I-5	SINGLE 'S' GRATE	167.00	—	163.59	H.C. STD. S.D. 4.22
I-6	DBL. 'S' GRATE	163.50	157.09	156.59	H.C. STD. S.D. 4.23
I-7	DBL. 'S' GRATE	163.50	158.22	158.12	H.C. STD. S.D. 4.23
I-8	SINGLE 'S' GRATE	169.00	165.85	165.60	H.C. STD. S.D. 4.22
I-9	SINGLE 'S' COMB.	*159.30	153.20	153.10	H.C. STD. S.D. 4.32
I-10	DBL. 'S' COMB.	*161.60	—	155.58	H.C. STD. S.D. 4.34
I-11	SINGLE 'S' COMB.	*165.10	153.26	153.01	H.C. STD. S.D. 4.32
I-12	SINGLE 'S' COMB.	*165.10	—	160.47	H.C. STD. S.D. 4.32
I-13	DBL. 'S' COMB.	*155.67±	—	150.94	S.H.A. STD. MD.-379.04
M-1	STR. MANHOLE	164.21	154.38	154.18	H.C.STD. G-5.03
M-2	STD. MANHOLE	165.40	156.12	155.62	H.C. STD. G-5.03
M-3	STD. MANHOLE	173.00	160.93	160.43	H.C. STD. G-5.02
M-4	STD. MANHOLE	178.00	161.38	161.28	H.C. STD. G-5.02
M-5	STD. MANHOLE	179.90	168.29	162.25	H.C. STD. G-5.02
M-6	STD. MANHOLE	169.90	—	164.89	H.C. STD. G-5.01
M-7	STD. MANHOLE	171.00	159.42	159.32	H.C. STD. G-5.02
M-8	STD. MANHOLE	171.00	161.40	161.30	H.C. STD. G-5.02
M-9	STD. MANHOLE	168.00	162.98	162.88	H.C. STD. G-5.02
M-10	STD. MANHOLE	171.80	—	166.24	H.C. STD. G-5.01
M-11	STD. MANHOLE	157.80	150.30	150.20	H.C. STD. G-5.01
E-1	TYPE 'A' HDWL.	146.50	—	144.00	H.C. STD. S.D. 5.11
E-2	TYPE 'A' HDWL.	149.50	—	144.00	H.C. STD. S.D. 5.11
E-3	TYPE 'A' HDWL.	149.25	—	144.00	H.C. STD. S.D. 5.11
E-4	METAL END SECT.	—	149.50	149.47	H.C. STD. S.D. 5.61 @ TOE PLATE





GENERAL NOTES

1. Maximum building height = 50'.
2. All areas not being paved or receiving building coverage shall be stabilized in accordance with the plans approved by the Howard Soil Conservation District.
3. Any damage to public rights-of-way and/or adjacent properties shall be repaired immediately at the contractor's expense.
4. The contractor shall maintain at least a 2' level bench behind all curb and gutter in fill areas.
5. The contractor shall verify all existing utilities to his own satisfaction before starting construction.
6. All slopes shall be 2:1 or flatter.
7. All work shall be done in accordance with Howard County Standard Specifications and Details for Construction, or as shown on these plans.
8. The contractor shall notify the C & P Telephone Co. and the Gas and Electric Company five days prior to starting work shown on these plans by calling "Miss Utility". Call collect 1-559-0100.
9. For details of ramps and signs for the handicapped see the Maryland Building Code for the Handicapped and Aged and as shown hereon.
10. The contractor shall maintain a minimum of 3.5' cover over all proposed water lines.
11. All rip-rap shall be placed on filter cloth.
12. The contractor or developer shall contact the Construction Inspection/Survey Division, 24 hours in advance of commencement of work at 992-2417 or 792-7272.
13. The contractor shall remove all existing paving, curb and gutter, etc. that may interfere with proposed construction.
14. All utilities installed shall receive full trench compaction.
15. All water main tees, bends, caps, etc. shall be buttressed in accordance with Howard County Design requirements.

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

COUNTY HEALTH OFFICER: [signature] DATE: 7/8/85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR: [signature] DATE: 7-11-85

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: [signature] DATE: 7-10-85

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR: [signature] DATE: 7-5-85

CHIEF, BUREAU OF ENGINEERING: [signature] DATE: 7-3-85

HOWARD SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT: [signature] DATE: 7-2-85

APPROVED: HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

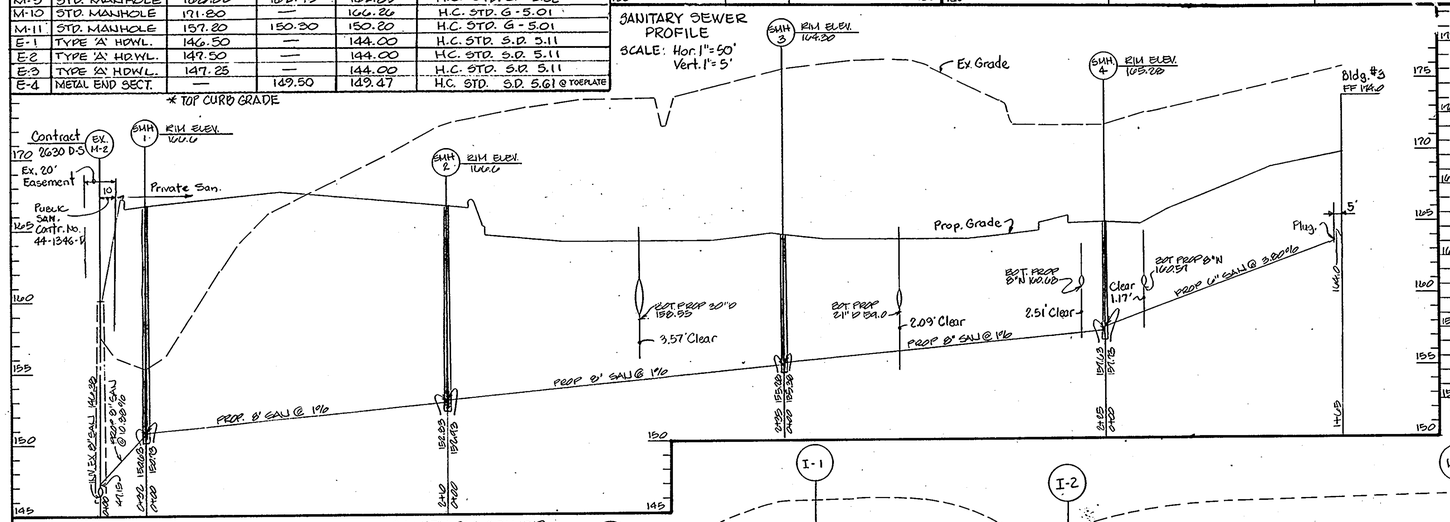
SIGNATURE: [signature] DATE: 7-1-85

THE UNITED STATES SOIL CONSERVATION SERVICE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-24-85
[signature]

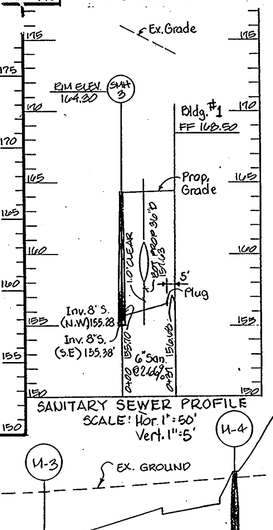
SANITARY SEWER PROFILE

SCALE: Hor. 1"=50'
Vert. 1"=5'



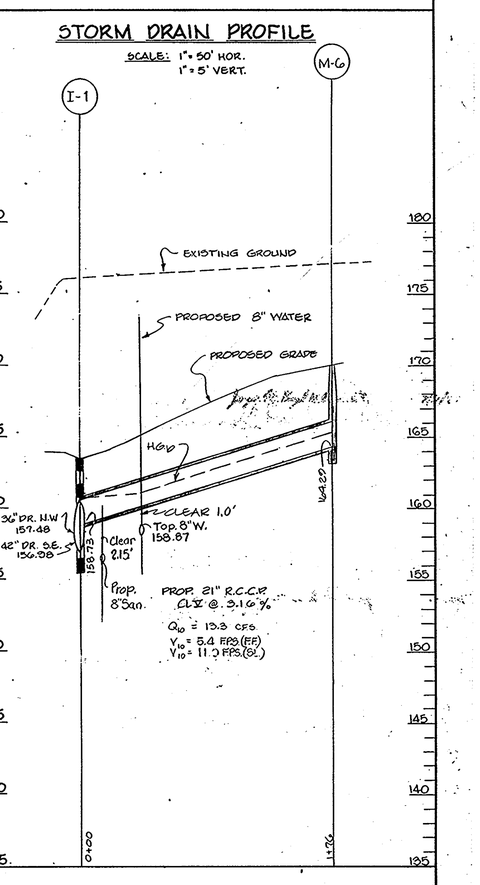
SANITARY SEWER PROFILE

SCALE: Hor. 1"=50'
Vert. 1"=5'



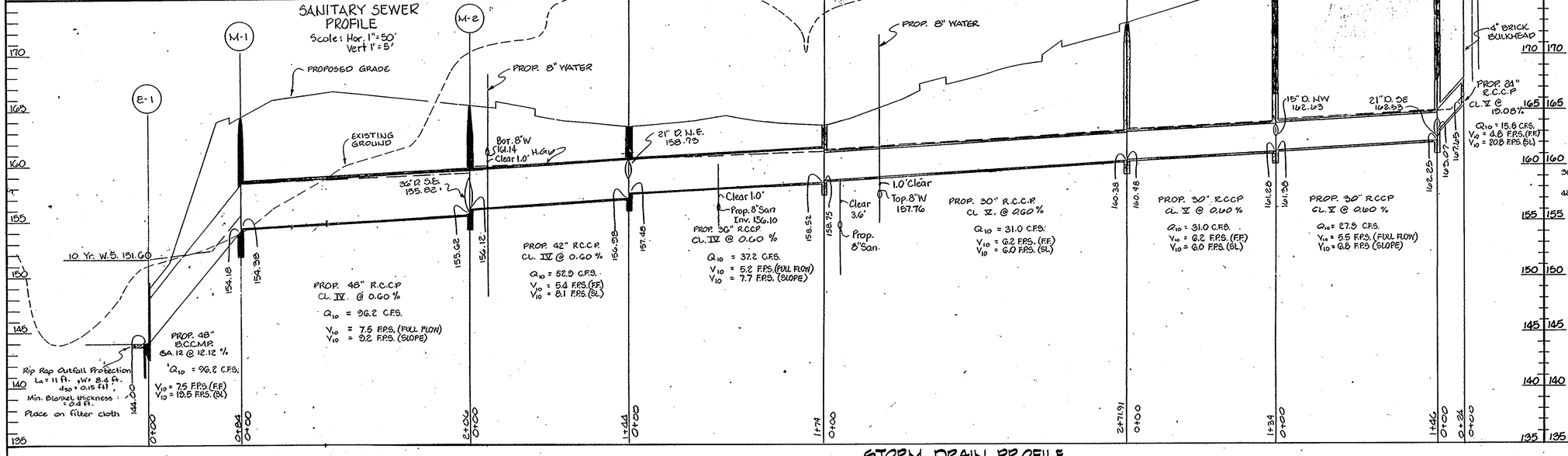
STORM DRAIN PROFILE

SCALE: 1"=50' HOR.
1"=5' VERT.



SANITARY SEWER PROFILE

Scale: Hor. 1"=50'
Vert 1"=5'



STORM DRAIN PROFILE

SCALE: 1"=50' HOR.
1"=5' VERT.

ENGINEER GEORGE WILLIAM STEPHENS, JR. & ASSOCIATES INC. ENGINEERS AND LAND SURVEYORS 303 ALLEGHENY AVENUE TOWSON, MARYLAND 21204	ENGINEER [signature] BY 8930 REG. NO. 12-5-84 DATE	DEVELOPER MERRITT 2066 Lord Baltimore Drive Baltimore, Maryland 21207 (301) 298-2600

DEVELOPER

Leroy M. Merritt
BY:
TITLE: DEVELOPER
12/5/84 DATE

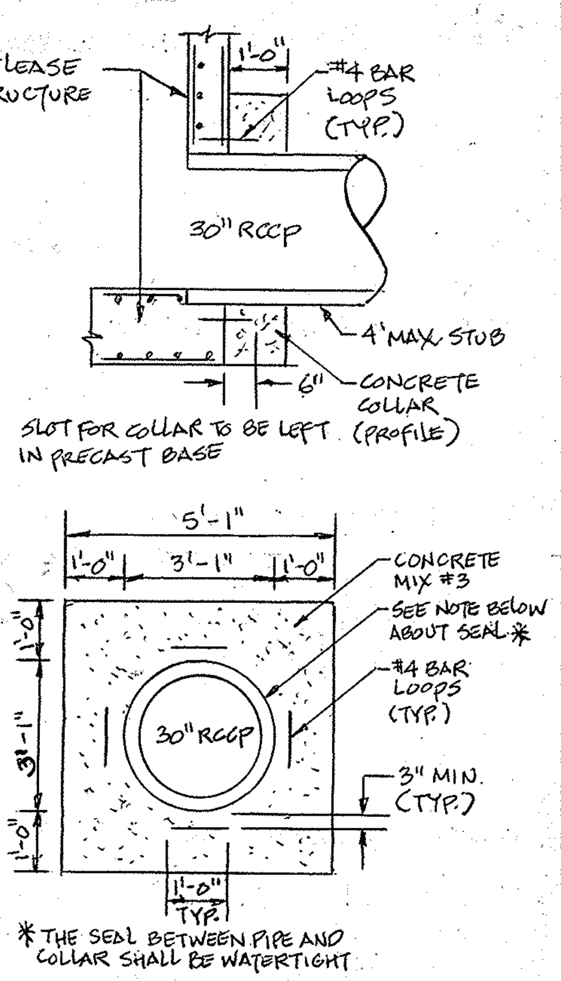
Designed By: T.M.H.
Drawn By: K.L.B
Checked By: T.C. I.P.C.
REVISIONS
4-10-85 DESIGNATED SANITARY MH'S, S.M.H.

PROFILES AND DETAILS
FOR
PROPERTY OF "LEROY M. MERRITT"
PARCEL 'A' - A RESUBDIVISION OF HOWARD COUNTY TITLE HOLDING COMPANY, INC.

HOWARD COUNTY, MD.
SCALE AS SHOWN
P.N. 5077

ELECTION DISTRICT #6
DECEMBER 5, 1984
SHEET 4 OF 8

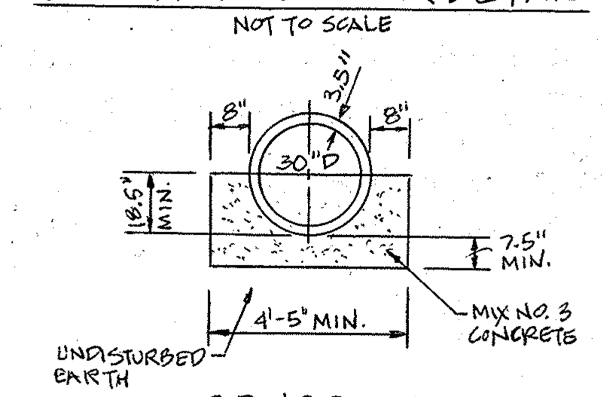
SDP-85-108



* THE SEAL BETWEEN PIPE AND COLLAR SHALL BE WATERTIGHT

CONCRETE COLLAR DETAIL

NOT TO SCALE



CONCRETE CRADLE DETAIL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS FOR SWM & SEDIMENT CONTROL BASIN

1. SITE PREPARATION:

The embankment area (fill), borrow area, shall be cleared and grubbed to remove all trees, vegetation, roots, and other objectionable material. The topsoil from the embankment area and borrow area shall be removed and stockpiled. The topsoil shall be spread on the completed embankment.

2. EARTHFILL:

A. Fill Material shall be obtained from a suitable site under the supervision of a soils engineer. It shall be free from roots, stumps, wood rubbish, oversized stones, frozen or other objectionable material. The embankment shall be constructed to the elevations shown on the plans to allow for anticipated settlement.

B. Placement: Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill shall be placed in 6" maximum thickness (before compaction) layers which are to be continuous over the entire length of fill. The most porous borrow material shall be placed in the downstream portion of the embankment.

C. Compaction: The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be compacted to 95% of AASHTO Specification T-99. Fill material shall contain sufficient moisture so that it can be formed into a ball without crumbling.

D. Core Trench: Core trench is required. Use CL soil materials for core trench. Relatively permeable soils such as sand and gravel (unified soils class, GW, GP, SW & SP shall not be placed in the embankment).

3. FENCE:

The fence shall be constructed in accordance with S.H.A. details 690.01 and 690.02. The specifications for 6'-0" fences shall be used substituting 42" fabric and 6'-8" line posts. The gate shall be constructed per S.H.A. Standard Detail 692.01 with 42" fabric. Fabric used shall be in accordance with AASHTO designation M 181-74.

4. CONCRETE:

Concrete shall meet the minimum requirements set forth in the Maryland State Roads Commission "Specifications for Materials, Highways, Bridges and Incidental Structures", Article 20.07 (Portland Cement), Mix No. 3, Reinforcing shall be ASTM A615, Grade 60.

5. SEDIMENT CONTROL:

Construction to be in accordance with "Standards and Specifications for Soil and Erosion Control in Developing Areas" (U.S.D.A., April 1983). In release structure plug lower opening, install dewatering device providing temporary closure connection between pipe and release structure until after grading is completed. Stabilize as soon as possible after completion of grading. Remove plug and dewatering device after stabilization.

6. PIPE CONDUIT:

Proposed release structure: 30" B.C.C.M.P. Type "C-1" 12 Ga. provide watertight connections. All pipe and pipe placement shall meet applicable Howard County requirements as outlined in Howard County's latest edition of "Standard Specifications and Details for Construction".

7. STABILIZATION:

The Storm Water Management Facility shall be stabilized with permanent slope seeding as follows on all exposed surfaces:
Permanent Slope Seeding: Seed shall be a mixture of 30% innoculated crown vetch and 70% Kentucky 31 Tall Fescue applied at a rate of 60 pounds per acre. Fertilizer of an analysis 0-20-20 shall be used and applied at a rate of 14 pounds per 1,000 S.F. Lime shall be applied at a rate of 92 lbs./1,000 S.F. Uniformly mulch the area with unweathered small grain straw (preferably wheat) at a rate of 1.5 T/Ac. anchor with asphalt, rapid curing (RC-70, RC-250, or RC-500) at a rate of 0.1 Gal./S.Y. At time of seeding, apply 9.2 lbs. of 38-0-0 ureaform fertilizer and 11.5 lbs. of 10-20-20, or equivalent fertilizer per 1,000 S.F.

REQUIRED 2, 10 YR.

PROVIDED 2, 10, 100YR. S.W.M.

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21245. EXPIRATION DATE: JUNE 9, 2016.

STORMWATER MANAGEMENT DATA

SOIL GROUP B & C

1) EXISTING CONDITION

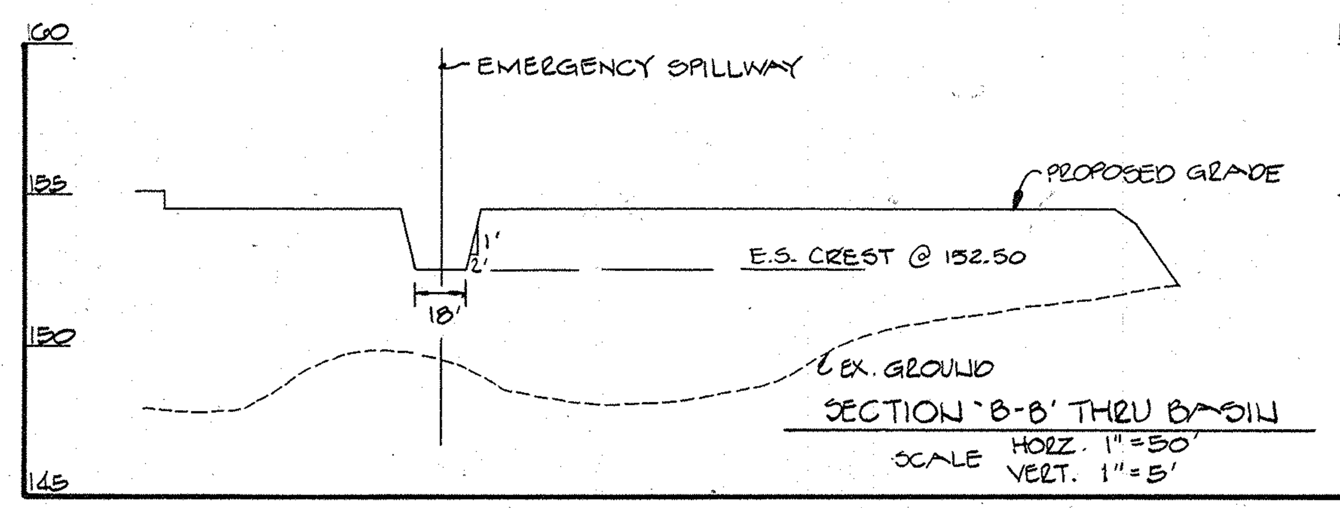
D.A. = 27.23 Ac.±
RCN = 71
2 YR. FLOW = 18.07 c.f.s.
10 YR. FLOW = 47.05 c.f.s.
100 YR. FLOW = 108.64 c.f.s.

2) PROPOSED CONDITION ROUTED

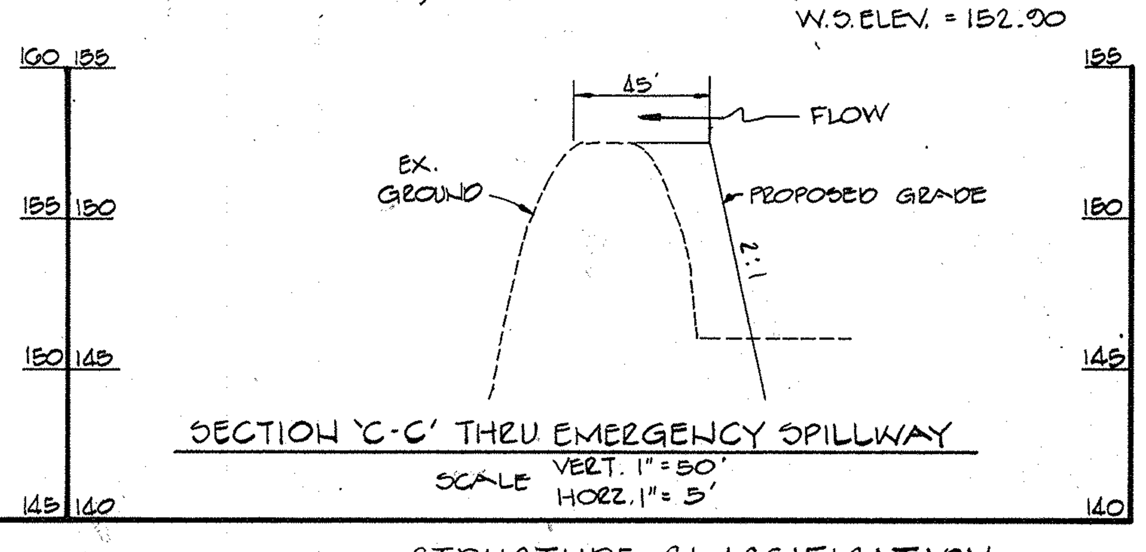
S.W.M. FACILITY - POND - FREEBOARD ABOVE 100YR. W.S. = 154.5 - 153.4 = 1.1

D.A. ROUTED = 23.83 Ac.±
RCN - 74

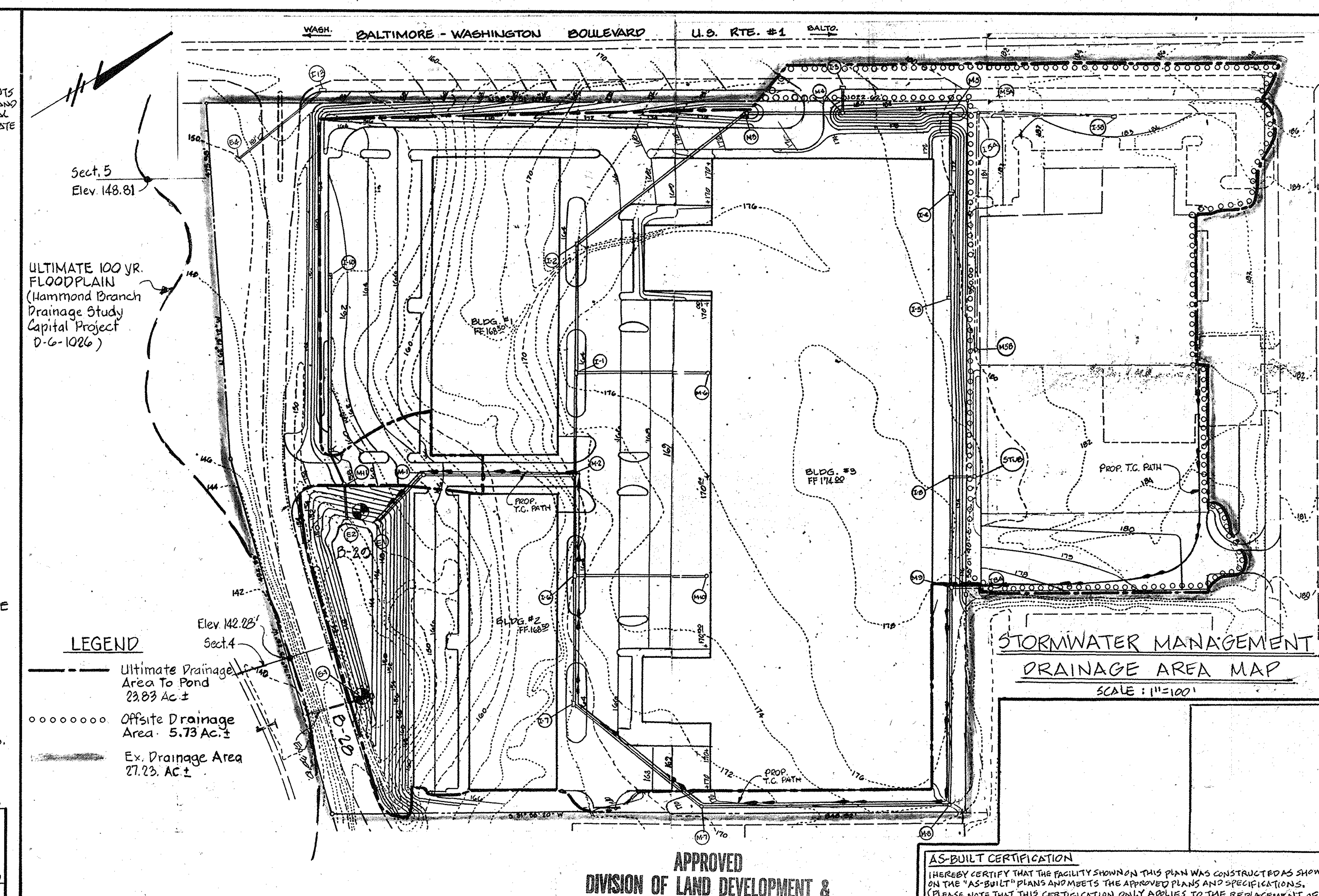
BEFORE MANAGEMENT	(ROUTING) AFTER MANAGEMENT
1) 2YR. STORM 70.25 c.f.s.	18.50 c.f.s. ≈ 18.07 c.f.s. W.S. ELEV. @ 149.30
2) 10YR. STORM 137.28 c.f.s.	44.80 c.f.s. < 47.05 c.f.s. W.S. ELEV. @ 151.60
3) 100YR. STORM 202.18 c.f.s.	94 c.f.s. < 108.64 c.f.s. W.S. ELEV. = 152.90



SECTION 'B-B' THRU BASIN
SCALE HORZ. 1"=50' VERT. 1"=5'



SECTION 'C-C' THRU EMERGENCY SPILLWAY
SCALE VERT. 1"=50' HORZ. 1"=5'



STORMWATER MANAGEMENT DRAINAGE AREA MAP

SCALE: 1"=100'

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-24-85

AS-BUILT CERTIFICATION
I HEREBY CERTIFY THAT THE FACILITY SHOWN ON THIS PLAN WAS CONSTRUCTED AS SHOWN ON THE "AS-BUILT" PLANS AND MEETS THE APPROVED PLANS AND SPECIFICATIONS. (PLEASE NOTE THAT THIS CERTIFICATION ONLY APPLIES TO THE REPLACEMENT OF THE PRINCIPAL SPILLWAY AND ALL ITEMS ASSOCIATED WITH IT.)

SIGNATURE P.E.# DATE

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

COUNTY HEALTH OFFICER: Joyce M. Boyd M.D. DATE: 7/8/85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR Thomas G. Harris DATE 7-11-85
CHIEF; DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: John W. Musselman DATE: 7-10-85

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: DATE: 7-5-85
CHIEF, BUREAU OF ENGINEERING: DATE: 7-3-85

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.
U.S. Soil Conservation Service 7-1-85 Date

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
APPROVED: Robert W. Ziehm 7-2-85
Howard Soil Conservation District Date

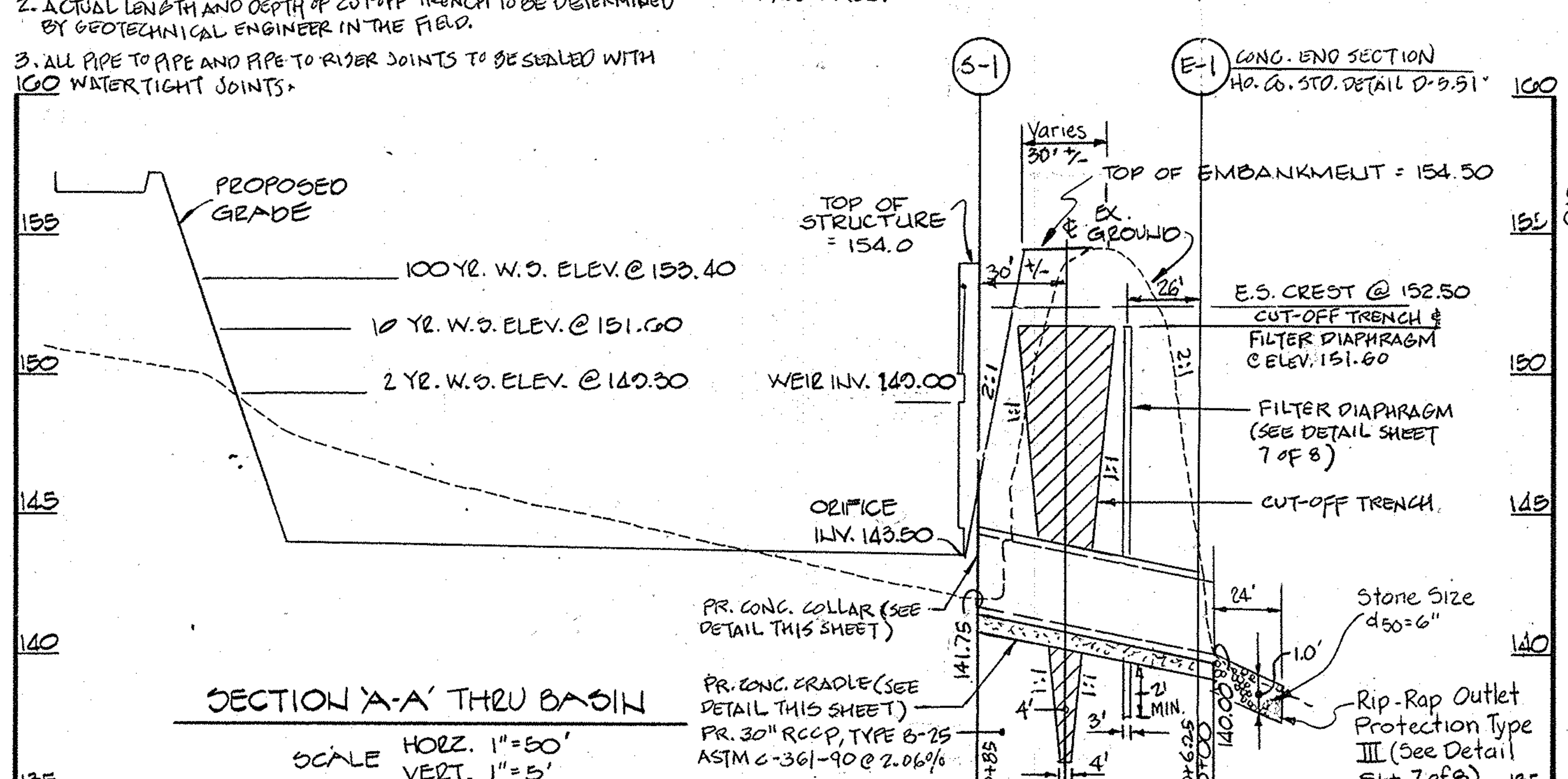
Plan Number

NOTES:

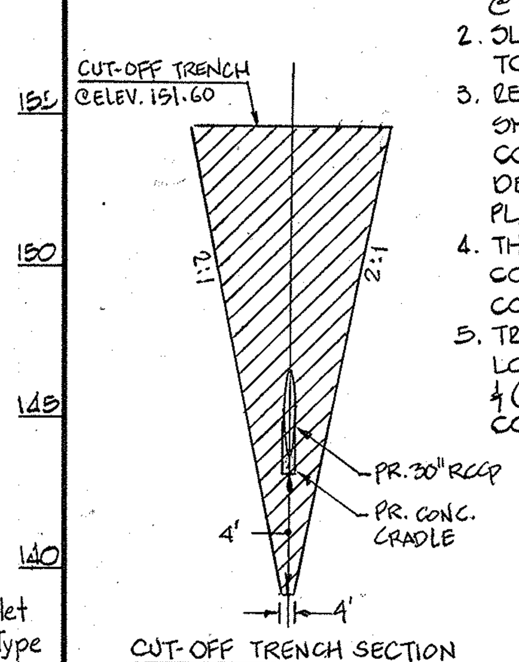
1. CUT-OFF TRENCH AND IMPERVIOUS CORE FILL MATERIAL SHALL CONFORM TO UNIFIED SOIL CLASSIFICATIONS CL, SC, CH, OR GC. IF NO SUITABLE MATERIAL CAN BE FOUND ONSITE, CONFORMING SOILS SHALL BE OBTAINED OFF-SITE AND SHALL BE VERIFIED BY A MARYLAND REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER.
2. ACTUAL LENGTH AND DEPTH OF CUT-OFF TRENCH TO BE DETERMINED BY GEOTECHNICAL ENGINEER IN THE FIELD.
3. ALL PIPE TO PIPE AND PIPE TO RISER JOINTS TO BE SEALED WITH 100 WATERTIGHT JOINTS.
4. IF UNSUITABLE MATERIAL (PERVIOUS) IS ENCOUNTERED AT TIME OF CUT-OFF TRENCH INSTALLATION DEEPER THAN FOUR (4') FEET, CONTRACTOR SHALL EXTEND CUT-OFF TRENCH DOWN UNTIL SUITABLE MATERIAL IS ENCOUNTERED AS DETERMINED BY A GEOTECHNICAL ENGINEER.
5. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH 2000 USDA-NRCS CODE MD-378 SPECIFICATIONS, WITH A COPY TO BE ONSITE AT ALL TIMES.

STRUCTURE CLASSIFICATION

STRUCTURE CLASS 'A'
STORAGE HEIGHT PRODUCT 3.29 Ac.Ft. x 7.6 Ft. = 25 Ac.Ft.^{2}
WATERSHED AREA = 23.83 Ac.±



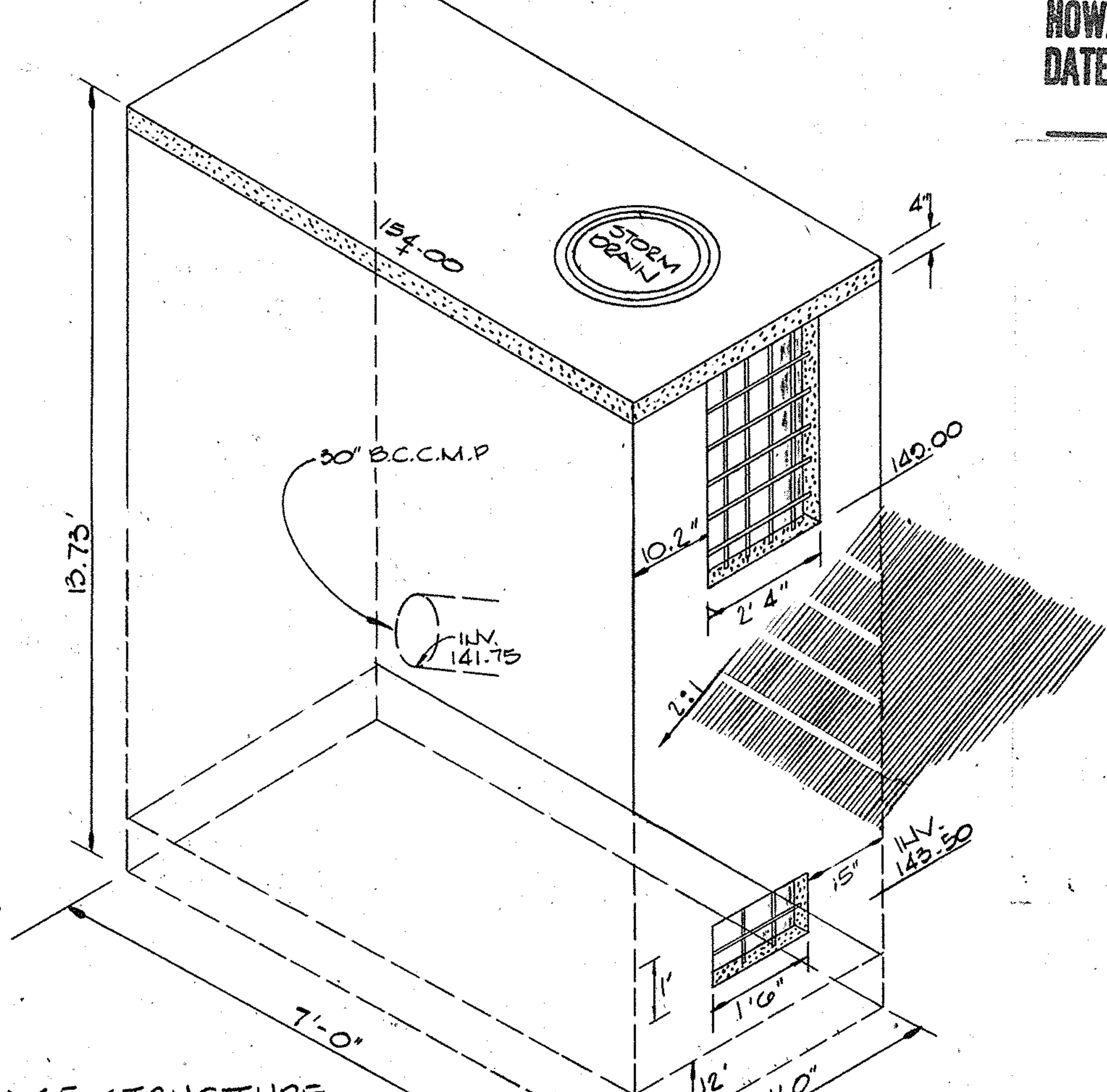
SECTION 'A-A' THRU BASIN
SCALE HORZ. 1"=50' VERT. 1"=5'



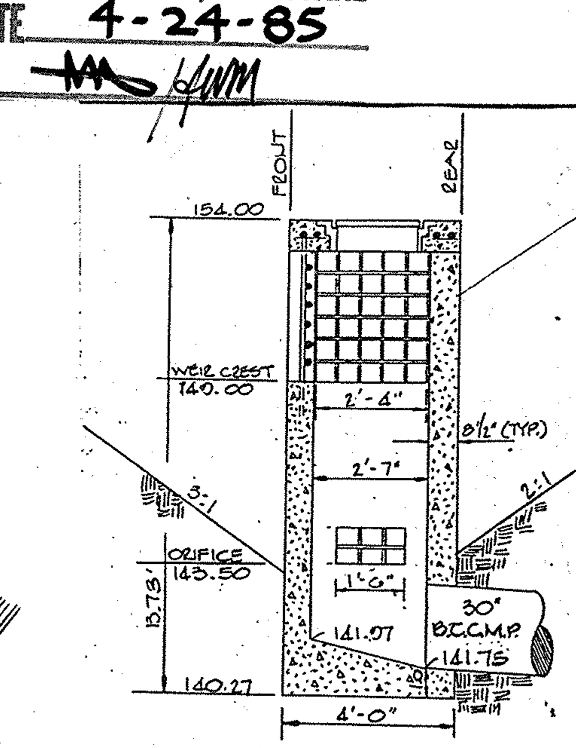
CUT-OFF TRENCH SECTION
SCALE: HORZ.: 1"=50' VERT.: 1"=5'

WEIR TRASH RACK

1. WEIR TRASH RACKS, #6 REBAR @ 6" O.C.
2. SLAB THICKNESS SHOWN 4" TOP SLAB & 12" BOTTOM SLAB
3. REINFORCEMENT IN STRUCTURE SHALL BE AS PER HOWARD COUNTY STANDARD SPECS. AND DETAILS FOR CONSTRUCTION PLATE NO. SD 4.02.
4. THIS STRUCTURE SHALL BE CONSTRUCTED OF REINFORCED CONCRETE.
5. TRASH RACK #6 REBAR FOR LOWER ORIFICE (2) HORIZONTALLY & (1) VERTICALLY. PAINT W/NON-CORROSIVE PAINT OR EPOXY.



RELEASE STRUCTURE
DETAIL (MODIFIED TYPE DBL. 'S' INLET)
NOT TO SCALE



SECTION THRU RELEASE STRUCTURE
NOT TO SCALE

STORMWATER MANAGEMENT MAINTENANCE SCHEDULE

MAINTENANCE ITEM	1	2	3	4	5	6
MAINTENANCE FREQUENCY	8	7	8	8	7	8
REPAIR DURATION *	9	10	9	9	10	9

1. CLEAN OUT SILT
2. CLEAN OUT TRASH
3. CHECK WEIR CLOGGING
4. CHECK SLOPE STABILIZATION
5. CUT GRASS
6. CHECK STRUCTURAL INTEGRITY
7. EVERY TWO WEEKS.
8. EVERY THREE MONTHS
9. ONE WEEK MAXIMUM
10. TWO DAYS

*ALL MAINTENANCE, INSPECTION, & REPAIR SHALL BE THE RESPONSIBILITY OF THE OWNER.
*INSPECT ALL ABOVE ITEMS AFTER EACH MAJOR RAINFALL & REPAIR IF REQUIRED.

GEORGE WILLIAM STEPHENS JR. AND ASSOCIATES INC
ENGINEERS
303 ALLEGHENY AVE. TOWSON, MD. 21204
(301) 825-8120

ENGINEER'S CERTIFICATE
"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENT 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 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 A RED-LINED "AS-BUILT" OF THE POND WITHIN 30 DAYS OF COMPLETION."

Tapobrata Chakrabarti 8930 12-5-84
REG. NO. DATE

OWNER / DEVELOPER
MERRITT
2066 Lord Baltimore Drive
Baltimore, Maryland 21207
(301) 298-2600

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 ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS BUILT" OF THE POND WITHIN 30 DAYS OF COMPLETION."

Leroy M. Merritt 12/5/84
SIGNATURE OF DEVELOPER TITLE DATE

DESIGNED BY: R.H.
DRAWN BY: B.FUNK
CHECKED BY: T.C./P.C.

REVISIONS
9-18-85 REV. SECT. A-A 20 YR. TO 10 YR. W.S. ELEV.
08-10-15 REPLACED PRINCIPAL SPILLWAY & ADDED CUT-OFF TRENCH ALONG WITH CONC. COLLAR, CONC. CRADLE AND FILTER DIAPHRAGM (BLOG, INC.)

STORMWATER MANAGEMENT & PROFILES & DETAILS

PROPERTY OF "LEROY M. MERRITT"
PARCEL 'A' - A RESUBDIVISION OF HOWARD COUNTY TITLE HOLDING COMPANY, INC.

HOWARD COUNTY, MD.
SCALE AS SHOWN
P.H. 5077 T.M. #47

ELECTION DISTRICT #6
DECEMBER 5, 1984
SHEET 5 OF 8

SDP-85-108

WASH. BALTIMORE - WASHINGTON BOULEVARD U.S. RTE. #1 BALTO.

NOTE: THIS ENTRANCE SHALL NOT BE USED FOR A CONSTRUCTION ENTRANCE

LIMIT OF DISTURBANCE

EXISTING D.A. TO EARTH DIKE = 5.32 Ac.±

PROPOSED D.A. TO EARTH DIKE = 7.48 Ac.±

EXISTING D.A. TO SEDIMENT BASIN = 23.83 Ac.± 18.10 Ac.± ONSITE 5.73 Ac.± OFFSITE

PROPOSED D.A. TO SEDIMENT BASIN = 23.83 Ac.± 18.10 Ac.± ONSITE 5.73 Ac.± OFFSITE

EXISTING D.A. TO EARTH DIKE = 3.33 Ac.±

PROPOSED D.A. TO EARTH DIKE = 3.85 Ac.±

D.A. TO EARTH DIKE = 2.27 Ac.±

D.A. TO STRAW BALE DIKE = 0.08 Ac.±

D.A. TO EARTH DIKE = 3.73 Ac.±

OFFSITE D.A. = 5.73 Ac.± ROUTED TO SEDIMENT BASIN

D.A. TO EARTH DIKE = 2.00 Ac.±

CLASS 1 RIPRAP ON FILTER CLOTH 18" THICK x 10' WIDE

STOCK PILE AREA

SEDIMENT BASIN

SEDIMENT BASIN MAINTENANCE

NOTE: ALL SEDIMENT TRAPS SHOWN, MUST BE FENCED & WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1 CHAP 12 OF HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.

NOTE: MAINTAIN POSITIVE DRAINAGE TO SEDIMENT BASIN AT ALL TIMES.

NOTE: ADJUST ALL EARTH DIKES AT THE END OF EACH WORK DAY AS NEEDED.

NOTE: COORDINATE THIS PLAN WITH STORM DRAIN PLAN

NOTE: OWNERS RESPONSIBILITY TO OBTAIN WRITTEN PERMISSION TO GRADE OFFSITE.

AREA OF SUBMITTAL = 20.07 Ac.±
AREA OF DISTURBANCE = 18.00 Ac.± OR 823,284 S.F.

AREA OF VEGETATIVE STABILIZATION = 2.86 Ac.±

APPROXIMATE EARTH QUANTITY
CUT = 112,000 C.Y.
FILL = 85,000 C.Y. (INCLUDES 10% SHRINKAGE)

27,000 EXCESS WILL BE HAULED OFF TO A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN

KEY
- EXISTING DRAINAGE AREA
- PROPOSED DRAINAGE AREA
- LIMIT OF DISTURBANCE
- STORM DRAIN INLET PROTECTION
- EARTH DIKE
- STRAW BALE DIKE
- STABILIZED CONSTRUCTION ENTRANCE

PLAN
SCALE 1"=50'

VICINITY MAP
1" = 2000'

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-24-85

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

COUNTY HEALTH OFFICER: DATE: 7/9/85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR DATE: 7-11-85

CHIEF; DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION:

DATE 7-10-85

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR: DATE: 7-5-85

CHIEF, BUREAU OF ENGINEERING: DATE: 7-3-85

HOWARD SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. DATE: 7-2-85

APPROVED: HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE: DATE 7-1-85

THE UNITED STATES SOIL CONSERVATION SERVICE

OWNER / DEVELOPER

MERRITT

2066 Lord Baltimore Drive
Baltimore, Maryland 21207
(301) 298-2600

DEVELOPER'S CERTIFICATE

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT 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 AGENTS. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE DEPARTMENT OF NATURAL RESOURCES OR THEIR AGENTS. I AGREE THAT ANY DEVIATION FROM THIS PLAN WILL NOT BE UNDERTAKEN UNLESS APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A REPRODUCIBLE AS-BUILT OF THE ROAD WITHIN 30 DAYS OF COMPLETION OF LIMITS OF GRADING."

Leroy M. Merritt 10/5/84
SIGNATURE OF DEVELOPER DATE

GEORGE WILLIAM STEPHENS JR. AND ASSOCIATES INC
ENGINEERS
303 ALLEGHENY AVE. TOWSON, MD. 21204
(301) 825-8120

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 SITE CONDITIONS. THIS PLAN WAS PREPARED BY ME 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 A REPRODUCIBLE "AS BUILT" PLAN WITHIN 30 DAYS OF COMPLETION."

Tapobrata Chakrabarti 8930 12-6-84
ENGINEER TAPOBRATA CHAKRABARTI NO. DATE

DESIGNED BY: R.H.
DRAWN BY: E.M.B.
CHECKED BY: T.C./R.

REVISIONS

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.

U.S. Soil Conservation Service 7-1-85 Date

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

APPROVED: Howard Soil Conservation District 7-2-85 Date

ADDRESS CHART

BLDG. #	STREET ADDRESS
BLDG. #1	
BLDG. #2	
BLDG. #3	

SUBDIVISION NAME: PROPERTY OF: HOWARD COUNTY TITLE HOLDING CO. INC

PLAT # OR L/F	BLOCK #	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TRACT	DEED REF.	LOT/PARCEL #
20,122	23	M-2	47	6			'A'

WATER CODE SEWER CODE

SEDIMENT AND EROSION CONTROL PLAN FOR
PROPERTY OF "LEROY M. MERRITT"
PARCEL 'A' - A RESUBDIVISION OF HOWARD COUNTY TITLE HOLDING COMPANY, INC.

HOWARD COUNTY, MD. ELECTION DISTRICT #6
SCALE AS SHOWN DECEMBER 5, 1984
P.N. 5077 T.M.# 47 SHEET 6 OF 8

SDP-85-108

GENERAL NOTES

1. Any change to the grading proposed on this plan requires it to be re-submitted to the Soil Conservation District.
2. All slopes 2:1 are to be stabilized with "Permanent Slope Seeding" immediately after grading operation (see note #13).
3. All other disturbed areas not intended to be paved or receive building coverage shall be stabilized with "Permanent Seeding" (see note #12).
4. Any damage to diversion dikes, sediment trap, ~~straw bale dike~~ etc. during grading operation or utility installation shall be repaired immediately.
5. The sediment trap shall be cleaned out when silt deposits reach elevation shown on the plan.
6. The sediment basin shall be cleaned out when silt deposits reach elevations shown on the plan.
7. No sediment control measure shall be removed without permission from the Sediment Control Inspector.
8. Upon installation of storm drains, inlets shall be kept plugged until site is stabilized. Positive drainage must be maintained at all times.
9. During the layout of sediment control practices shown hereon, minor adjustments can and will be made to assure the arrest and control of any sediment before it leaves the construction site. These said changes require approval from the Sediment Control Inspector and the Soil Conservation District.
10. All site work is to be done in accordance with "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas", ~~April 1982~~ and this plan of sediment control approved by the Howard County Soil Conservation District and the Department of Public Works.
11. At the end of each working day, all sediment control measures will be inspected and left in operational condition.

12. PERMANENT SEEDING NOTES

Seedbed Preparation: Loosen upper 3 inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: Use one of the following schedules:

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

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1)-2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) - use sod. Option (3) - seed with 60 lbs./acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1½ to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using 218 gallons per acre (5 gallons/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gallons/1000 sq.ft.) for anchoring.

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

13. TEMPORARY SEEDING NOTES

Seedbed Preparation: Loosen upper 3 inches of soil by raking, discing or other acceptable means before seeding.

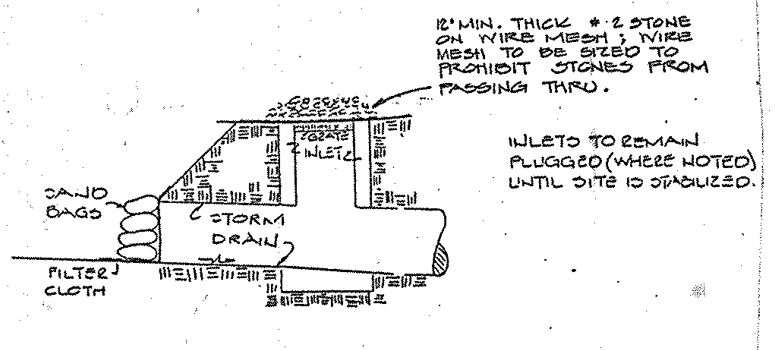
Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.)

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2½ bu. per acre of annual rye (3.2 lbs./1000 sq. ft.) for the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq.ft.) For the period November 16 thru February 28 protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching - Apply 1½ to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using 218 gallons per acre (5 gal./1,000 sq. ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 348 gal. per acre (8 gal./1000 sq.ft.) for anchoring.

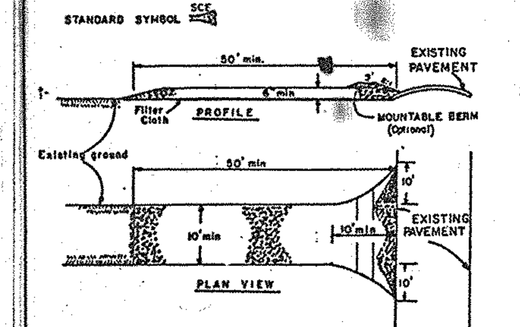
15. Disturbed earth left idle for more than 14 days shall be stabilized with temporary seed and mulch (see note #14).
16. All areas not being paved or receiving building coverage shall be stabilized in accordance with the plans approved by the Howard Soil Conservation District.
17. Any damage to public rights-of-way and/or adjacent properties shall be repaired immediately at the contractor's expense.
18. The contractor shall maintain at least a 2' level bench behind all curb and gutter in fill areas.
19. The contractor shall verify all existing utilities to his own satisfaction before starting construction.
20. All slopes shall be 2:1 or flatter.
21. All work shall be done in accordance with Howard County Standard Specifications and Details for Construction, or as shown on these plans.
22. The contractor shall notify the C & P Telephone Co. and the Gas and Electric Company five days prior to starting work shown on these plans by calling "Miss Utility". Call collect 1-559-0100.
23. All rip-rap shall be placed on filter cloth.
24. The contractor or developer shall contact the Construction Inspection/Survey Division, 24 hours in advance of commencement of work at 992-2417 or 792-7272.
25. The contractor shall remove all existing paving, curb and gutter, etc. that may interfere with proposed construction.
26. FOLLOWING INITIAL DISTURBANCE OR REDISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
    a. SEVEN CALENDER DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1
    b. FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

NOTE: AT THE END OF EACH WORKING DAY DURING LAYOUT & CONSTRUCTION OF STORM DRAINS, THE UPPER END OF THE INCOMPLETE SYSTEM SHALL BE PLUGGED TO PREVENT SEDIMENTATION OF PIPE SYSTEM.



INTERIM STORM DRAIN PLUGGING DETAIL
NO SCALE

STABILIZED CONSTRUCTION ENTRANCE
not to scale

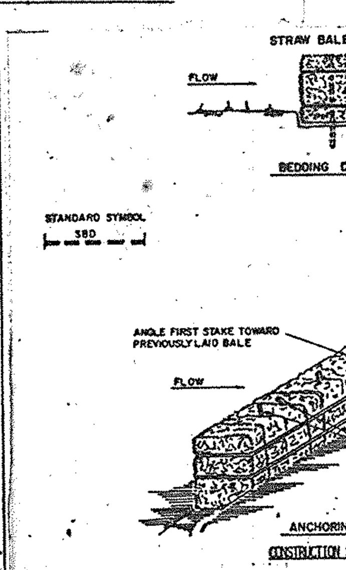


CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md.	STABILIZED CONSTRUCTION ENTRANCE	Standard Drawing SCE-1

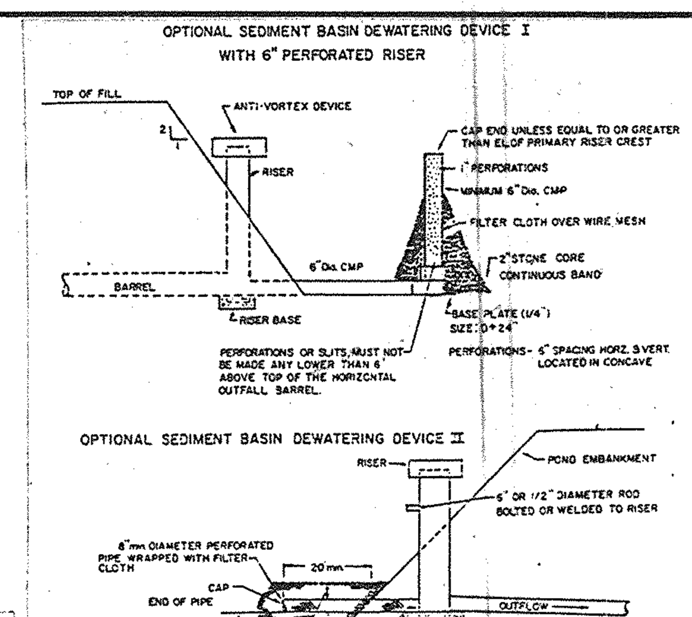
STRAW BALE DIKE

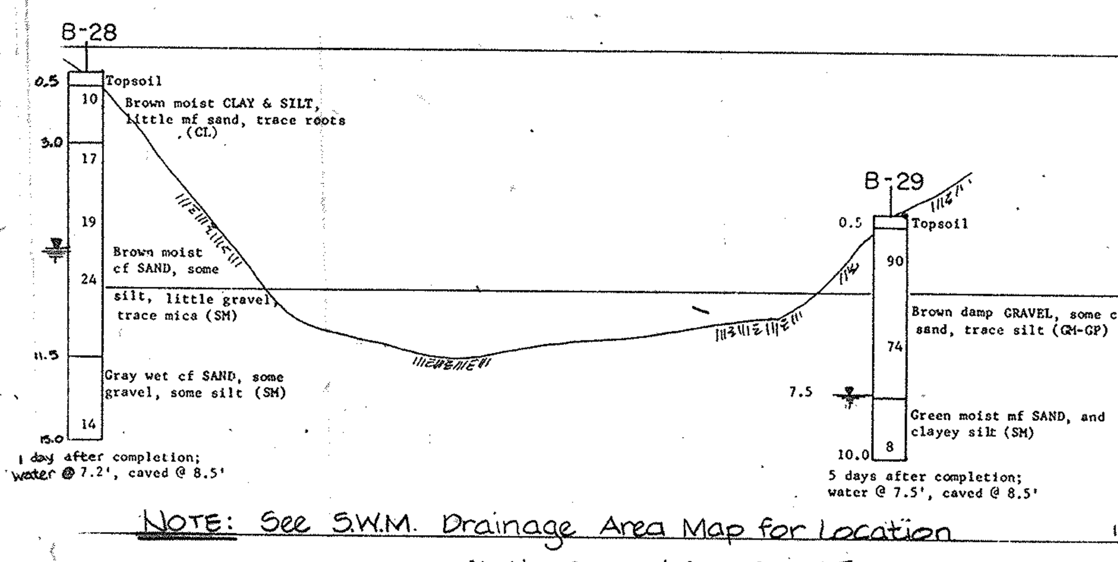


CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

OPTIONAL SEDIMENT BASIN DEWATERING DEVICE I WITH 6" PERFORATED RISER

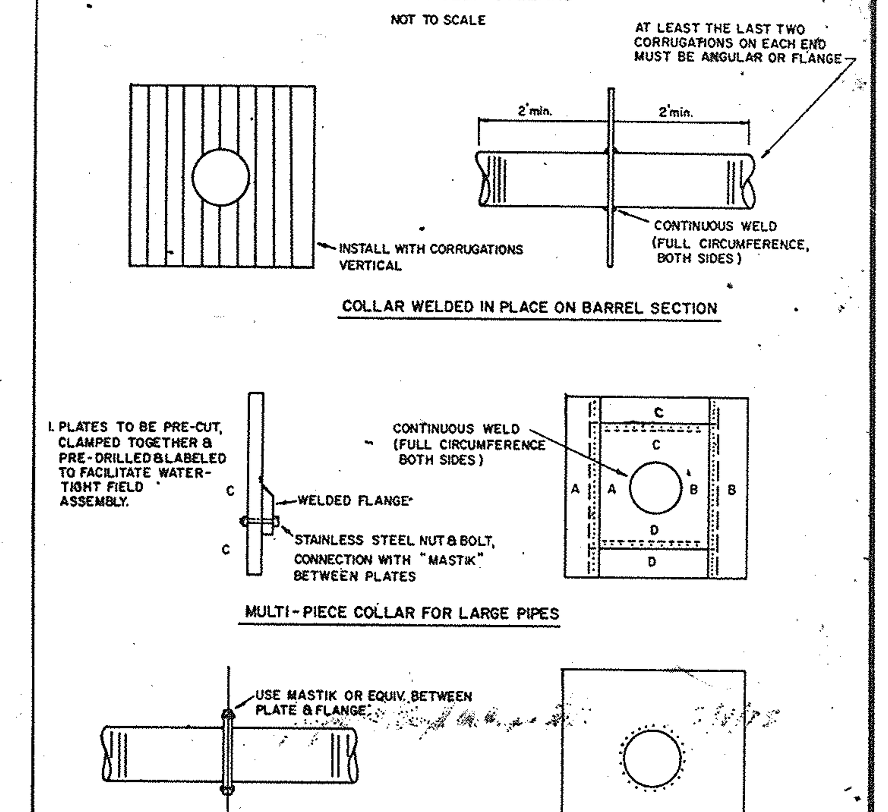




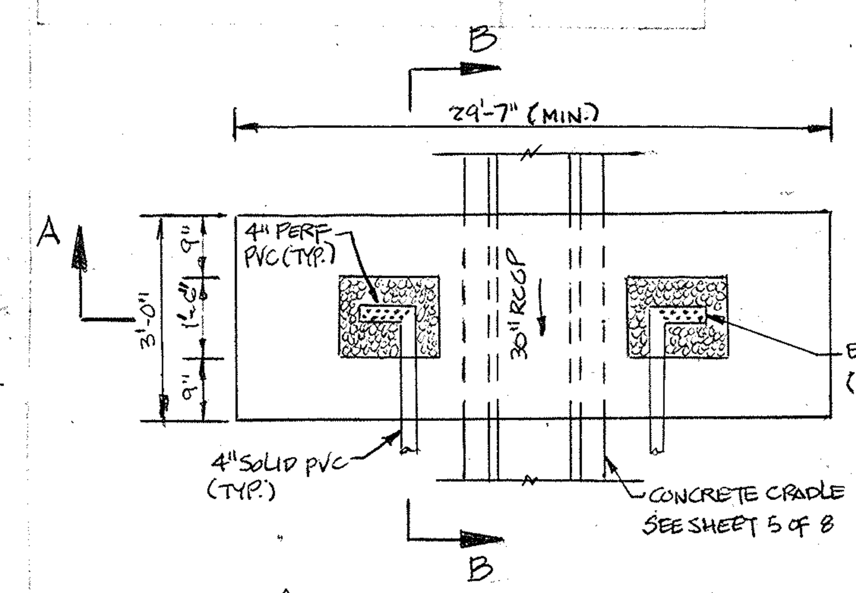
NOTE: See S.W.M. Drainage Area Map for Location

SECTION L - L SOIL BORING PROFILE
NOT TO SCALE

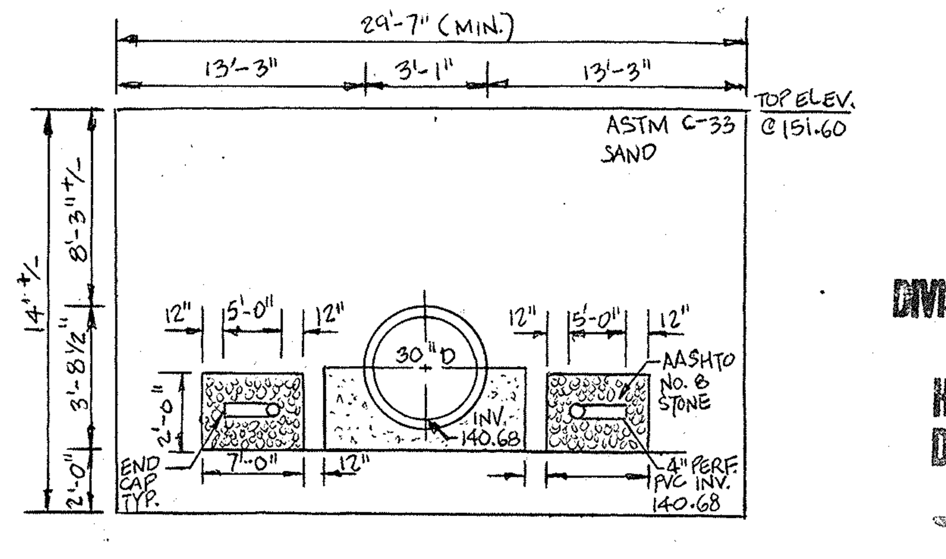
TYPICAL ANTI-SEEP COLLARS
NOT TO SCALE



U.S DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	ANTI-SEEP COLLAR	STANDARD DRAWING SB



5 FILTER DIAPHRAGM DETAIL
PLAN VIEW
NOT TO SCALE



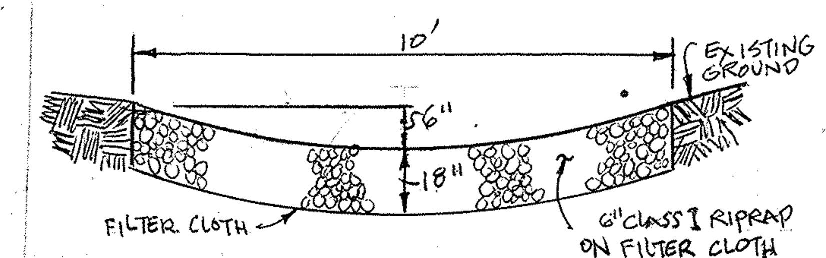
5 SECTION A-A
NOT TO SCALE

NOTES:
1. SOLID 4" PVC TO BE SCH 40.
2. PERFORATED 4" PVC TO COMPLY WITH ASTM D-2729.
3. THE FILTER DIAPHRAGM SHALL BE THOROUGHLY FLOODED UPON COMPLETION AND THE OUTLET DRAINS OBSERVED FOR PROPER FUNCTION.
4. 4" PVC PIPES TO DRAIN TO RIPRAP OUTFALL PROTECTION PAD FOR PRINCIPAL SPILLWAY.
5. AN "AGRI-DRAIN" RODENT GUARD TO BE PLACED AT THE OUTFALLING END OF 4" PVC PIPES.
6. GEOTECHNICAL ENGINEER SHALL BE PRESENT DURING CONSTRUCTION.

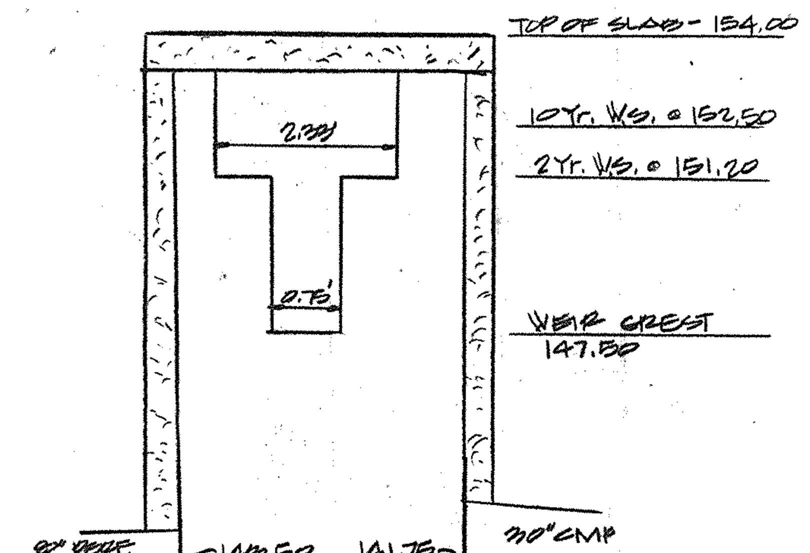
APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-24-85

SEQUENCE OF CONSTRUCTION

1) Notify the Howard County Department of Licenses and Permits Inspector 48 hours before beginning work.
2) Install stabilized construction entrances.
3) Construct sediment/S.W.M. Basin (maintain positive drainage to sediment basin at all times).
4) Install earth dikes.
5) Install straw bales.
6) Install storm drains. Provide protection to all inlets (coordinate this plan with SDP).
7) Start major grading. Install all other utilities.
8) Complete major grading.
9) Stabilize all land that is going to be vegetated. Install base stone on all paving and building areas.
10) Fine grade any remaining areas and stabilize.
11) After obtaining permission from sediment control inspector clean out and convert sediment basin to storm water management basin and make necessary adjustment to the release structure according to the approved S.W.M. plans.
12) After obtaining permission from sediment control inspector, remove the rest of the sediment control devices and stabilize.

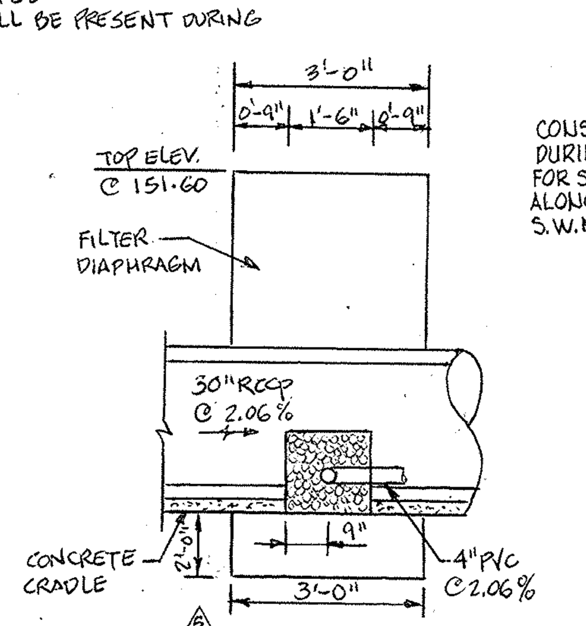


SECTION 'H-H'
NOT TO SCALE

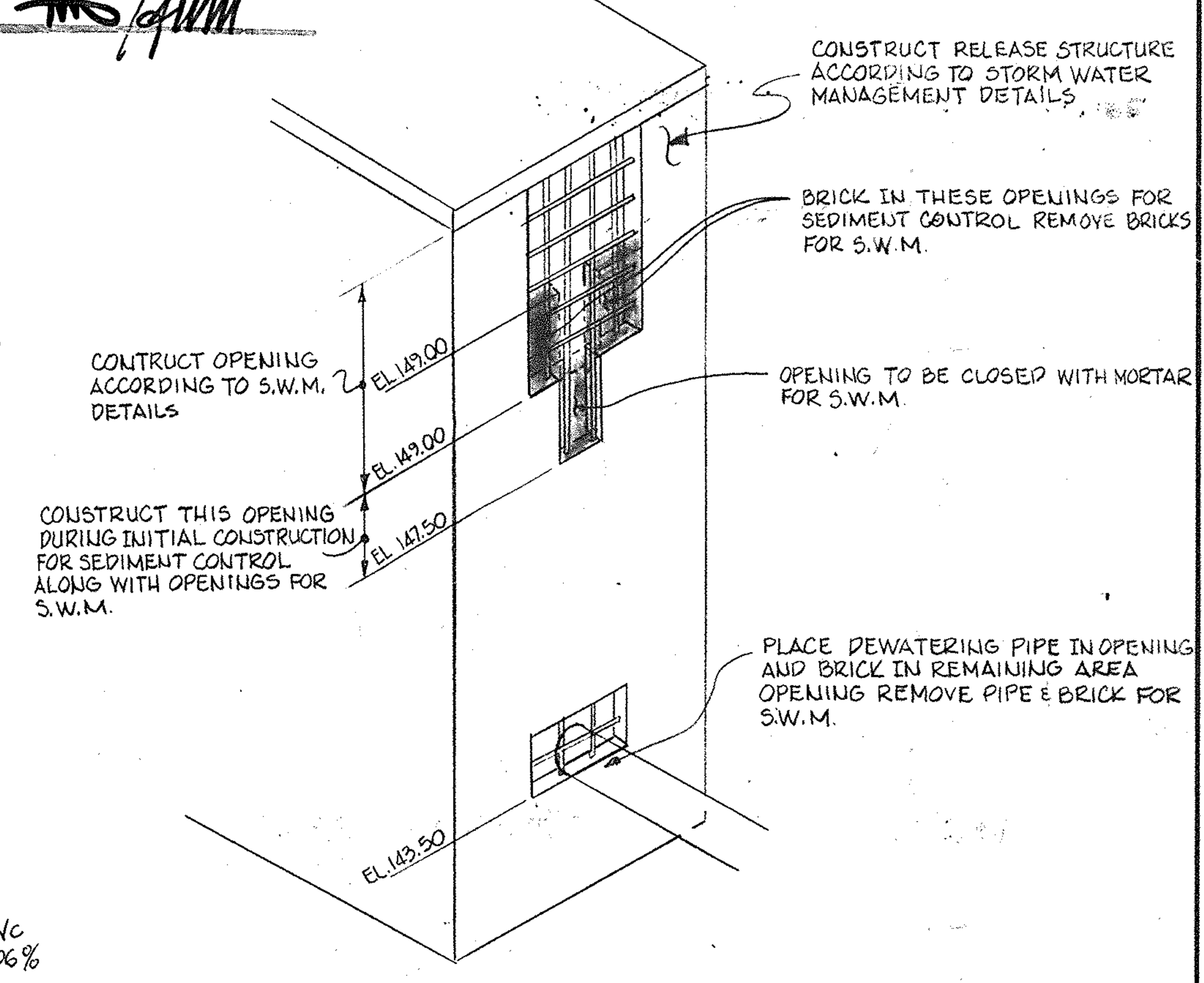


RELEASE STRUCTURE
MODIFIED TYPE DBL. 'S' INLET
N.T.S.

NOTE: SEE SWM PLANS FOR CONSTRUCTION SPECIFICATIONS & DETAILS FOR THE RELEASE STRUCTURE FOR SEDIMENT CONTROL. KEEP SWM'S LOWER OPENING PLUGGED AT ALL TIMES.

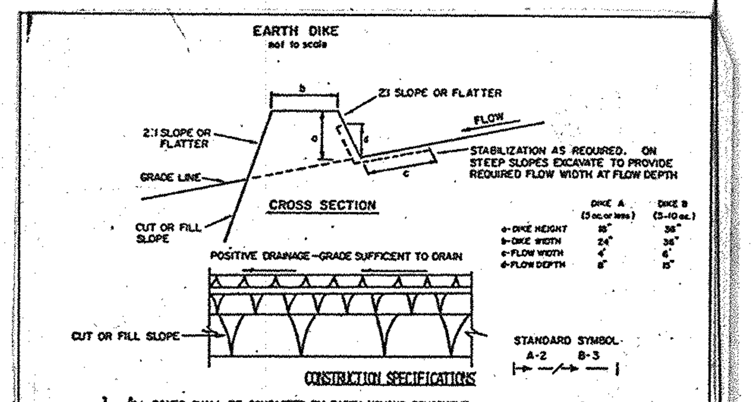


5 SECTION B-B
NOT TO SCALE



DETAIL
SHOWING CONVERSION OF RELEASE STRUCTURE FROM SEDIMENT CONTROL TO STORM WATER MANAGEMENT
(NO SCALE)

EARTH DIKE
not to scale



	DIKE A (5 ac. or less)	DIKE B (5-10 ac.)
a-DIKE HEIGHT	18"	36"
b-DIKE WIDTH	24"	36"
c-FLOW WIDTH	4'	6'
d-FLOW DEPTH	8"	15"

CONSTRUCTION SPECIFICATIONS

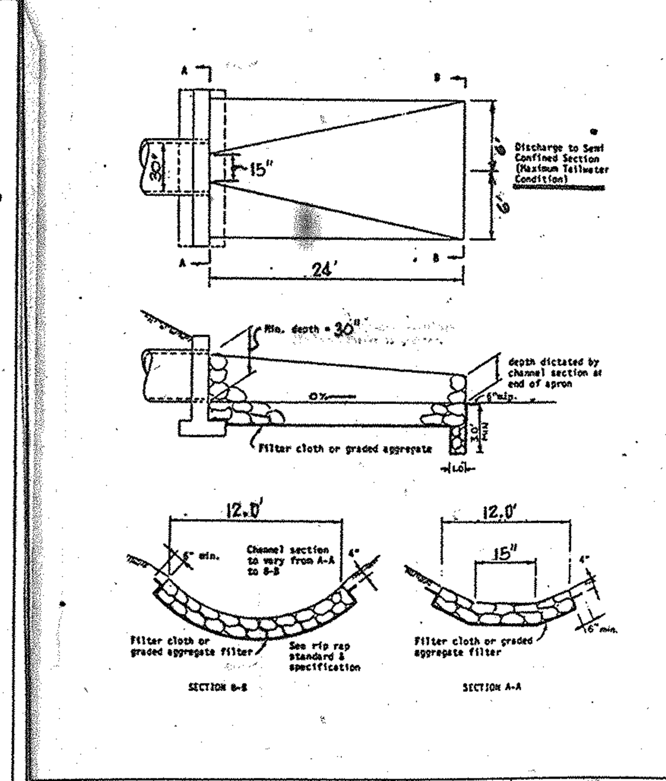
1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSIOR; SOD; 2" STONE
3	5.1-8.0%	SEED WITH JUTE, OR SOD; 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

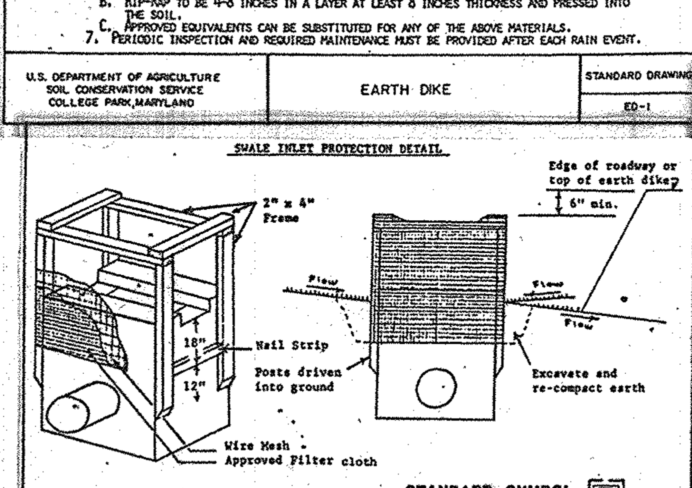
A. STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.
B. RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.
C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.
7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	EARTH DIKE	STANDARD DRAWING ED-1

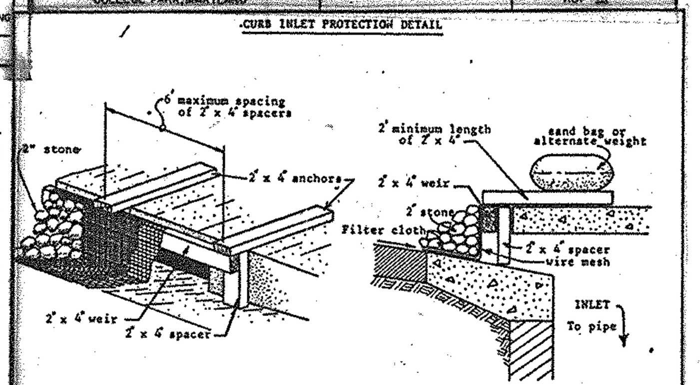


U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	RIPRAP OUTLET PROTECTION-III	STANDARD DRAWING ROP-III

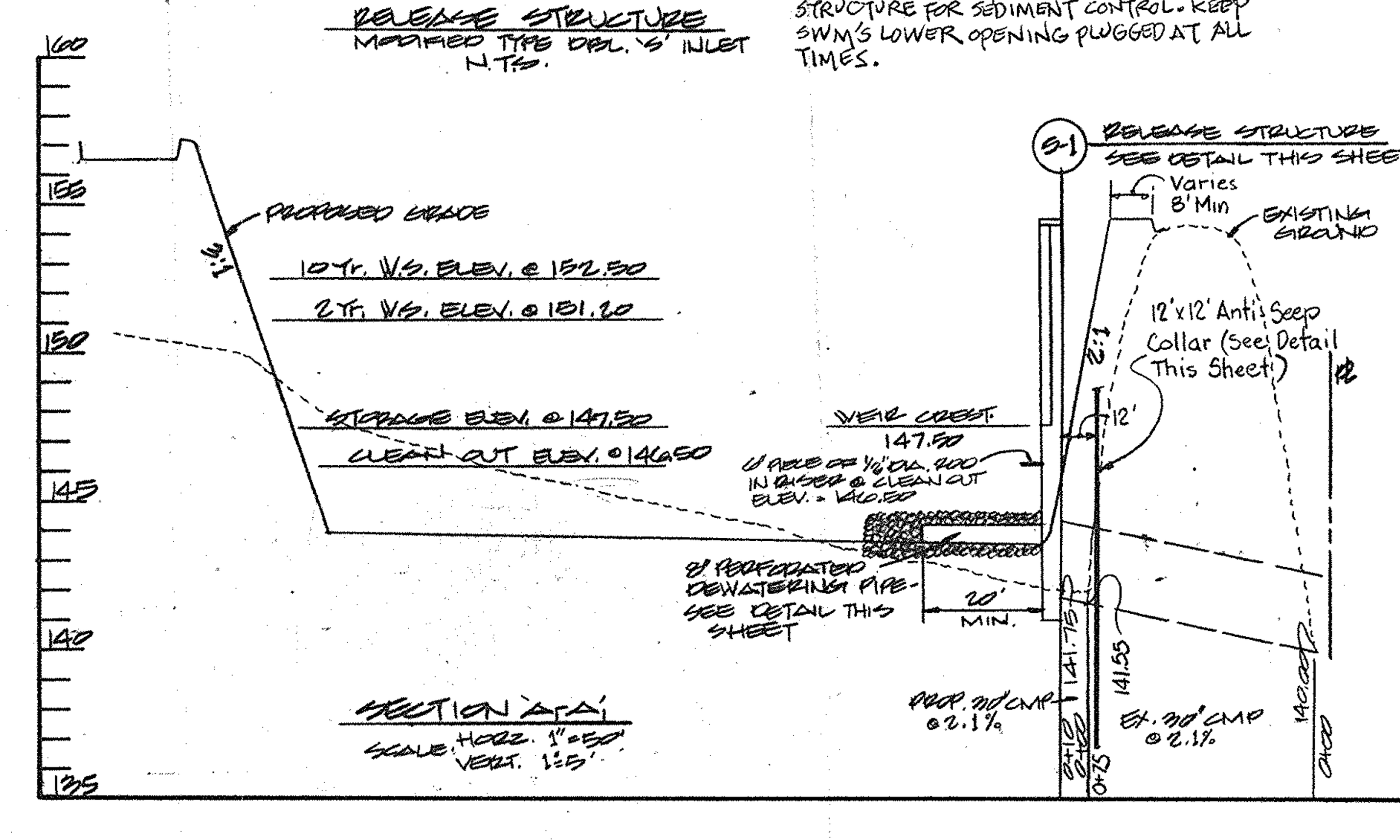
SWALE INLET PROTECTION DETAIL



CURB INLET PROTECTION DETAIL



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	INLET PROTECTION DETAIL	STANDARD DRAWING IPD-1



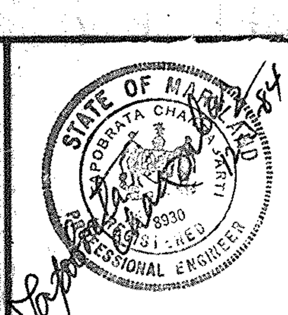
SECTION 'A-A'
SCALE: HORZ. 1"=50' VERT. 1"=5'

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21245, EXPIRATION DATE, JUNE 9, 2016.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: ______ DATE: ______
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR ______ DATE: ______
CHIEF; DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: ______ DATE: ______
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: ______ DATE: ______
CHIEF, BUREAU OF ENGINEERING: ______ DATE: ______
HOWARD SOIL CONSERVATION DISTRICT
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT: Robert W. Ziehm DATE: 7-2-85
APPROVED: HOWARD SOIL CONSERVATION DISTRICT
REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
SIGNATURE: [signature] DATE: 7-1-85
THE UNITED STATES SOIL CONSERVATION SERVICE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: [signature] DATE: 7/8/85
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR [signature] DATE 7-11-85
CHIEF; DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: John W. Musselman DATE 7-10-85
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: [signature] DATE: 7-5-85
CHIEF, BUREAU OF ENGINEERING: [signature] DATE: 7-3-85
HOWARD SOIL CONSERVATION DISTRICT
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT: Robert W. Ziehm DATE: 7-2-85
APPROVED: HOWARD SOIL CONSERVATION DISTRICT
REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
SIGNATURE: [signature] DATE: 7-1-85
THE UNITED STATES SOIL CONSERVATION SERVICE

GEORGE WILLIAM STEPHENS JR. AND ASSOCIATES INC
ENGINEERS
303 ALLEGHENY AVE. TOWSON, MD. 21204
(301) 825-8120



ENGINEER'S CERTIFICATE
"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENT 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 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 A RED-LINED "AS-BUILT" OF THE POND WITHIN 30 DAYS OF COMPLETION."
Tapobrata Chakrabarti 8930 12-5-84
ENGINEER TAPOBRATA CHAKRABARTI NO. DATE

MERRITT
2066 Lord Baltimore Drive
Baltimore, Maryland 21207
(301) 298-2600

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 ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS BUILT" OF THE POND WITHIN 30 DAYS OF COMPLETION."
Leroy M. Merritt 12/5/84
DEVELOPER DATE

REVISIONS:
5 08-10-15 REPLACED PRINCIPAL SPILLWAY & ADDED CUT-OFF TRENCH ALONG WITH CONC. COLLAR, CONC. CRADLE AND FILTER DIAPHRAGM. (BLDG, INC.)

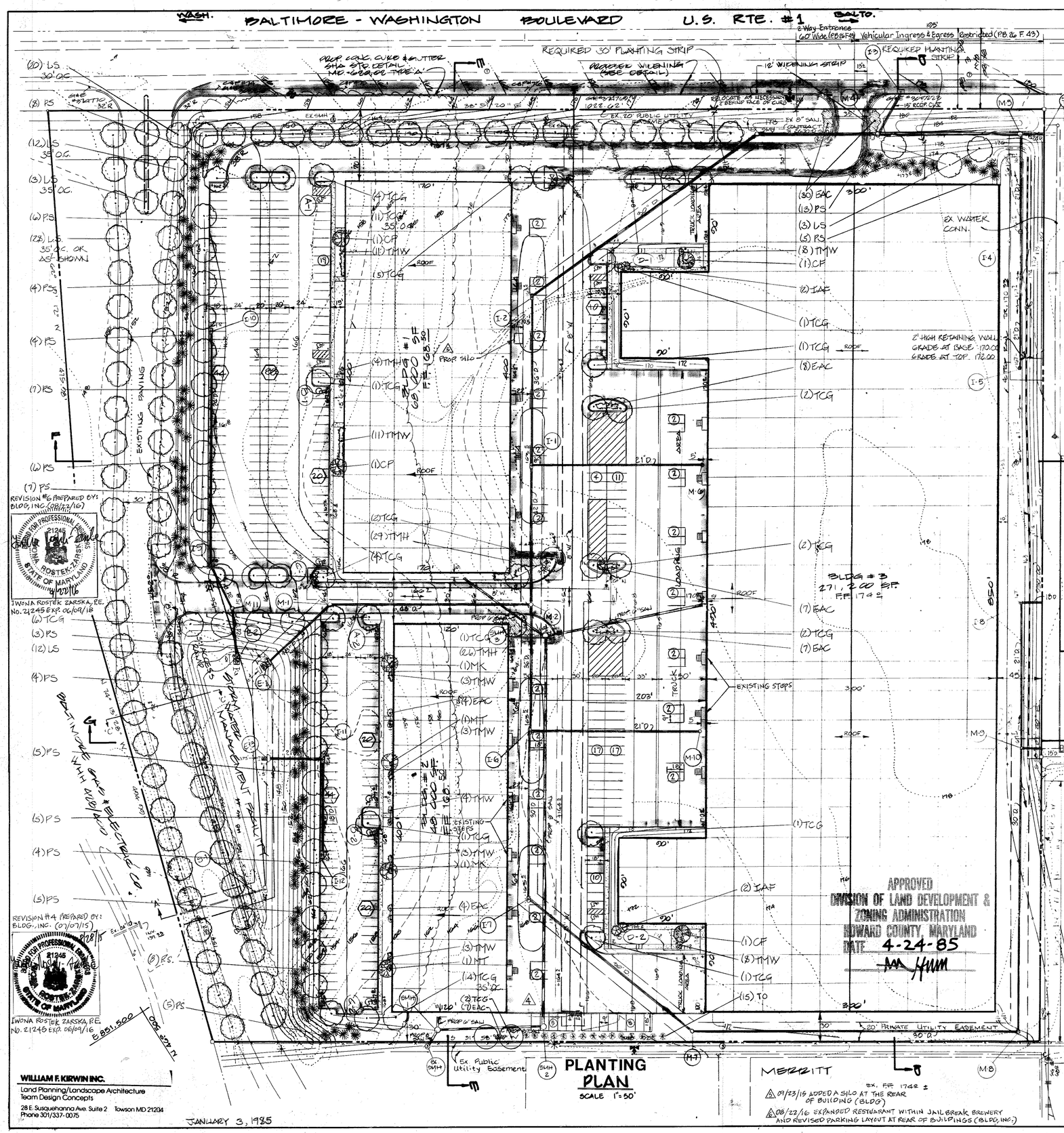
DESIGNED: R.H.
DRAWN: D.M.B
CHECKED: T.C. / P.C.

SEDIMENT AND EROSION CONTROL DETAILS AND PROFILES FOR

PROPERTY OF "LEROY M. MERRITT"
PARCEL 'A' - A RESUBDIVISION OF HOWARD COUNTY TITLE HOLDING COMPANY, INC.

HOWARD COUNTY, MD. ELECTION DISTRICT #6
SCALE AS SHOWN DECEMBER 5, 1984
P.N. 5077 T.M #47 SHEET 7 OF 8

SDP-85-108



BENCH MARK: ROUTE #1 — 15" Diameter — CONCRETE MONUMENT #1842001 Elevation 180.112'

PLANT LIST

KEY	#	BOTANICAL NAME/COMMON NAME	SIZE/COND.	SPACING
TREES				
CF	2	Cornus florida White Dogwood	6-8'/ B&B	As shown
CP	2	Crataegus phaenopyrum Washington Hawthorn	6-8'/ B&B	As shown
IAF	4	Ilex x attenuata 'Fosteri' Foster's Holly	6-7'/ B&B	As shown
LS	78	Liquidambar styraciflua Sweetgum	2 1/2-3"/ B&B	As shown
MK	2	Malus 'Katherine' Katherine Crab	6-8'/ B&B	As shown
MT	2	Malus theifera (hupehensis) Tea Crab	5-6'/ B&B	As shown
PS	99	Pinus strobus White Pine	6-8'/ B&B	As shown
TCG	61	Tilia cordata 'Greenspire' Greenspire Linden	2-2 1/2'/ B&B	As shown
TO	15	Thuja Occidentalis 'Smaragd'	6-7'/ B&B	4' OC
SHRUBS				
EAC	67	Euonymus alatus 'Compactus' Dwarf Winged Euonymus	2 1/2-3'/ B&B	3' OC
TMH	59	Taxus x media 'Hatfieldii' Hatfield Yew	3-3 1/2'/ B&B	4' OC
TMW	54	Taxus x media 'Wardii' Clifton Anglojap Yew	2 1/2-3'/ B&B	4' OC

NOTES:

1. Plant locations shown may be field adjusted to avoid final utility placements.
2. All trees and shrubs shall be mulched to a minimum of 18" beyond the edge of the root ball on all sides.
3. All shrub masses shall be planted in continuous mulch beds.
4. All wire and non-biodegradable plastic ball ties shall be removed.
5. PLANTING RECOMMENDATIONS EXCEED THE REQUIRED MINIMUM. ALL PLANTINGS, WITH THE EXCEPTION OF THE STRIP PARALLEL TO ROUTE 1, ARE OPTIONAL.

Landscape Specifications

Landscape specifications shall conform to "Landscape Specification Guidelines for Baltimore-Washington Metropolitan Area". A one-year maintenance and warranty period shall be required.

Planting Standards

All nursery stock shall be planted in accordance with the American Association of Nurserymen, Inc., "American Standards for Nursery Stock", latest edition.

Bare-root shall not be allowed for any tree defined as major deciduous, minor deciduous or evergreen.

Landscape surety in the amount of $2,250 is to be posted with the grading permit for the planting of is evergreen trees.

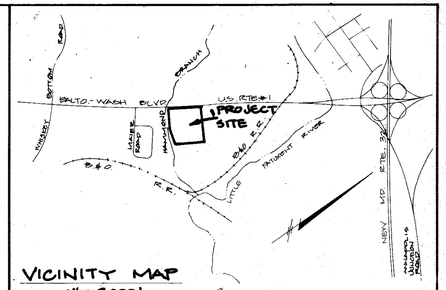
SITE DATA

AREA OF SITE: 20.966 Ac ±
TOTAL FLOOR AREA: 387,200 SF
EXISTING USE: VACANT
PROPOSED USE: OFFICE / WAREHOUSE 4
PARKING REQUIRED: (SEE SHEET 1 OF 8)
PARKING PROVIDED: 366 P.S.
FLOOR AREA RATIO: 0.369 / 20.07 = 42%
PROPERTY REFERENCE: 1 / ... 1
EXISTING ZONING: M-2
% OPEN SPACE: 5.09 AC ±: 5.09/20.07 = 27%
% BUILDING COVERAGE WITH PAVING: 15.28/20.97 = 73%
AREA TO BE DISTURBED: 823,284 SQ. FT. = 18.90 AC ±
AREA TO BE VEGETATIVELY STABILIZED: 124,581.60 S.F. = 2.86 AC. ±

LEGEND

- 00 INDICATES EX GROUND
- 100 INDICATES PROPOSED GRADE
- INDICATES EX CURB AND GUTTER
- INDICATES PROPOSED CURB AND GUTTER
- (1) INDICATES NUMBER OF PARKING SPACES
- INDICATES PARKING SPACE FOR HANDICAPPED
- INDICATES HANDICAP RAMP (See Sheet 2 of 8)
- INDICATES PROPOSED WATER
- INDICATES EX WATER
- INDICATES PROPOSED STORM DRAIN
- INDICATES EX STORM DRAIN

NOTE: FOR GENERAL NOTES SEE SHEET No. 4 OF 8.



VICINITY MAP
1" = 2000'

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

COUNTY HEALTH OFFICER: Joyce M. Beyl M.D., M.P.H. DATE: 7/9/85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR: Thomas H. Hanna DATE: 7-11-85

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: John W. Muschman DATE: 7-10-85

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR: Glenn F. Merry DATE: 7-9-85

CHIEF, BUREAU OF ENGINEERING: Charles E. Ray DATE: 7-9-85

HOWARD SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT: Robert W. Zachau DATE: 7-2-85

APPROVED: HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE: [illegible] DATE: 7-1-85

THE UNITED STATES SOIL CONSERVATION SERVICE

OWNER / DEVELOPER

MERRITT

2066 Lord Baltimore Drive
Baltimore, Maryland 21207
(301) 298-2600

DEVELOPER'S CERTIFICATE

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS 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. I FURTHER AGREE THAT THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED AS BUILT OF THE POND WITHIN 30 DAYS OF COMPLETION."

Leroy Merritt 12/5/84
SIGNATURE OF DEVELOPER DATE

GEORGE WILLIAM STEPHENS JR. AND ASSOCIATES INC
ENGINEERS
303 ALLEGHENY AVE. TOWSON, MD. 21204
(301) 825-8120

ENGINEER'S CERTIFICATE

"I CERTIFY THAT THESE PLANS FOR THE CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENT A TRUE, LEGAL AND WORKABLE PLAN BASED ON MY KNOWLEDGE AND OBSERVATION OF THE SITE CONDITIONS. THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE REGULATIONS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED AS BUILT OF THE POND WITHIN 30 DAYS OF COMPLETION."

Jayaprakash Charravarthy 8930 12-5-84
ENGINEER JAYAPRAKASH CHARRAVARTHY REG. NO. DATE

DESIGNED BY: R.C.I.R.H.	REVISIONS
DRAWN BY: DR./K.B.	1 ADDED 15 PARKING SPACES AND 15 EVERGREEN TREES RIGHT BEHIND THEM. (07/07/15 - BLDG, INC.)
CHECKED BY: P.C.	

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.

U.S. Soil Conservation Service — 7-1-85 Date

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

APPROVED: Robert W. Zachau — Howard Soil Conservation District — 7-2-85 Date

Plan Number

BLDG. #	ADDRESS STREET ADDRESS	CHART
BLDG. #1	9445 U.S. ROUTE 1	
BLDG. #2	9435 U.S. ROUTE 1	
BLDG. #3	9425 U.S. ROUTE 1	

SUBDIVISION NAME:				DIST. AREA	LOT/PARCEL #
"PROPERTY OF 'LEROY M. MERRITT'"				N/A	PARCEL 'A'
PLAT # OR L/F	BLOCK #	ZONE	TAX/ZONE MAP	ELECT. DIST.	CENSUS TRACT
LF644	23	M-2	47	6	6003
WATER CODE			SEWER CODE		

LANDSCAPE PLAN FOR PROPERTY OF "LEROY M. MERRITT" PARCEL 'A' - A RESUBDIVISION OF HOWARD COUNTY TITLE HOLDING COMPANY, INC.

HOWARD COUNTY, MD. — ELECTION DISTRICT #6
SCALE AS SHOWN — DECEMBER 5, 1984
P.N. 5077 T.M.# 47 — SHEET 8 OF 8

SDP-85-108