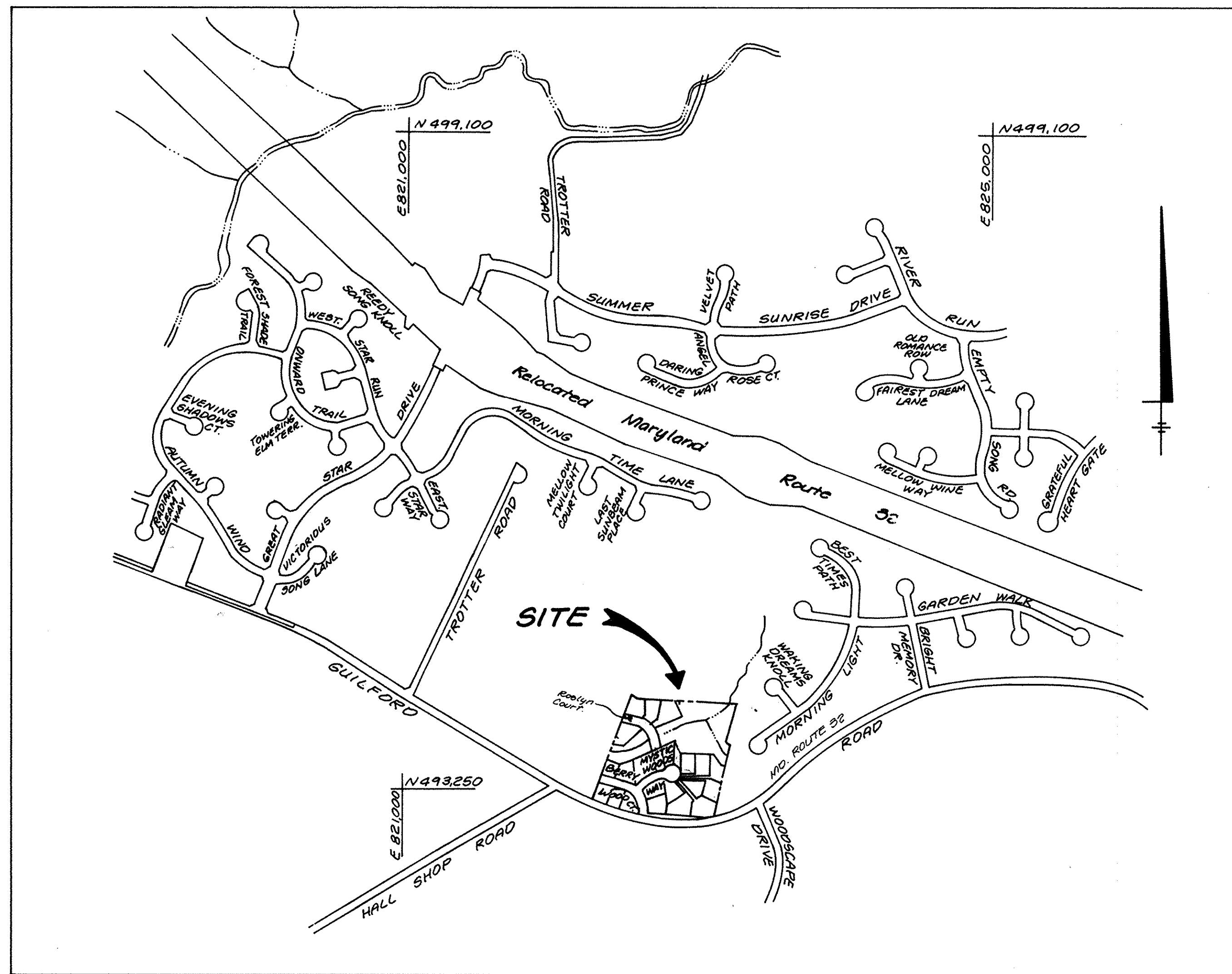


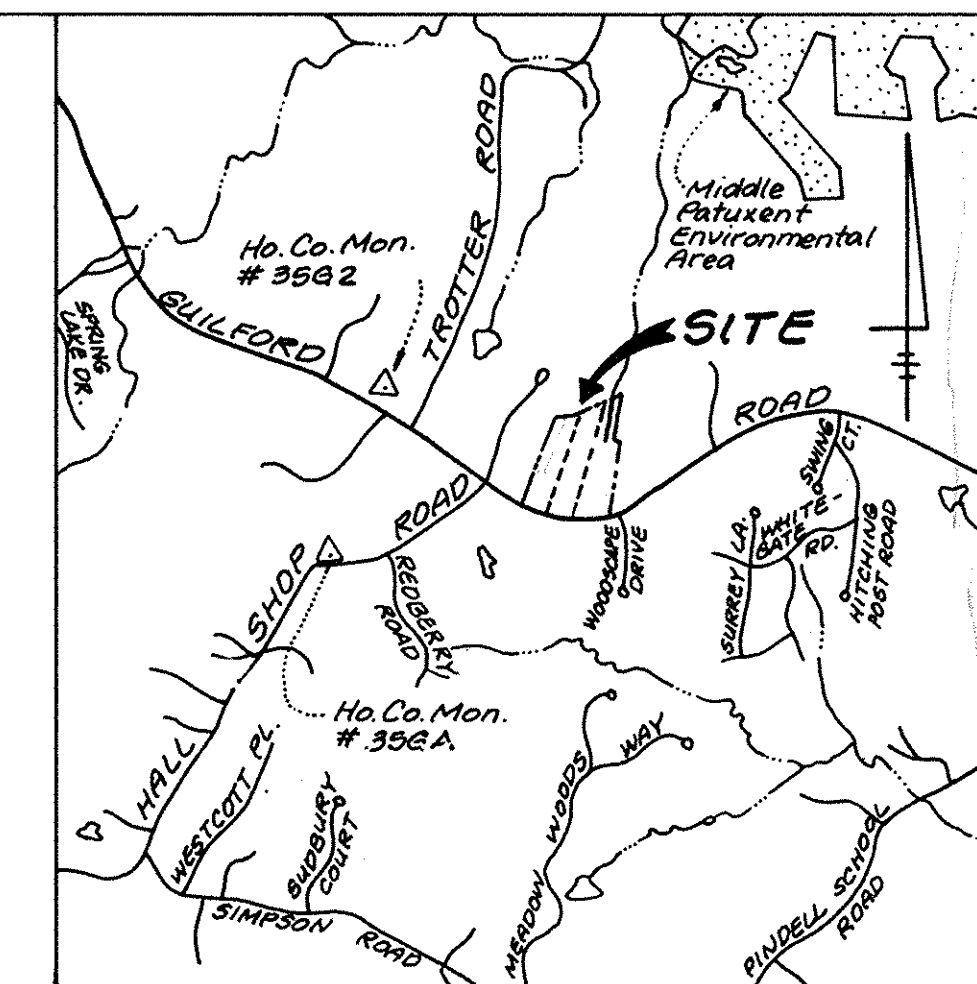
INDEX OF SHEETS	
SHEET NO.	TITLE
1	Cover Sheet
2	Plan and Profile - MD. Rte. 32 - Guilford Road
3	Plan and Profile - Berry Wood Ct./Mystic Woods Way
4	Plan and Profile - Roslyn Court
5	Road Construction and Landscape Details
6	Storm Drain Profiles
7	Stormwater Management Details
8	Drainage Area Map
9	Grading, Sediment and Erosion Control Plan
10	Sediment and Erosion Control Details
11	Sediment Basin Plan, Details and Specs.
12	Landscape Plan



LOCATION MAP
Scale: 1" = 600'

Benchmarks:
Howard County Monument # 3582
Type: Shamrock Conc. Mon.
A.N. corner of intersection of
Guilford Rd & Trotter Rd.
Elev. 477.63

Howard County Monument # 358A
Type: Shamrock Conc. Mon.
Side of Hall Shop Rd past
1st Berry Road.



VICINITY MAP
Scale: 1" = 2000'

GENERAL NOTES

- All construction shall be in accordance with the latest standards and specifications of Howard County Design Manual Vol. IV, plus MSHA Standards and Specifications.
- The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection at (410) 313-1880 at least five (5) working days prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least forty-eight (48) hours prior to any excavation work.
- Project Background:
Location: Clarksville, Tax Map: 35, P/O Parcels 353
Zoning: R-20
Lots 10 - 32
Election District: 5th
Total Tract Area: 14.1715 Ac. plus/minus
Previous Submittals: F77-112, BA 80-08, BA 83-11E, S95-12, P96-03, GP 96-124, WP 96-99
- Traffic control devices, markings, and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.
- Any damage caused by the contractor to existing public right-of-way, existing paving, existing curb and gutter, existing utilities, etc. shall be corrected at the contractor's expense.
- The existing utilities shown hereon are located from field surveys and construction drawings of record. The approximate location of existing utilities are shown for the contractor's information and convenience. The contractor shall locate existing utilities to his own satisfaction and well in advance of any construction activities. Additionally, the contractor shall take all necessary precautions to protect all existing utilities and maintain uninterrupted service.
- The topography shown hereon is compiled from a field run survey, compiled by LDE, Inc. (December, 1995).
- Horizontal and vertical datum's are related to the Maryland State Grid Coordinate System as projected from Howard County monument stations No. 3582 and No. 358A (NAD 83).
- All hydraulic data is for the 10-year storm unless otherwise noted.
- See sheet 10 for construction sequence.
- 95% compaction in all fill areas shall be determined by AASHTO T-180.
- Stormwater management is provided by:
Quantity Management is by DETENTION & RETENTION
Quality Management is by EXTENDED DETENTION & RETENTION
- Street Light placement and the type of fixture and pole selected shall be in accordance with the Howard County Design Manual, Volume III (1993) and as modified by "Guidelines for street lights in Residential Developments (June 1993)
- Wetlands delineation by Dennis J. LaBare, M.S., & Associates, Dated April, 1995.
- Floodplain analyzed by LDE, Inc. approved as part of P96-03.
- Geotechnical Reports compiled by Hillis Carnes Engineering Associates, Inc. dated June 27, 1995.
- Noise Study compiled by LDE, Inc. and approved under P96-03.
- All street lights shall be located at a minimum to 4ft. maximum behind the curb. No trees shall be located within 20' of any street light.
- Lots 17, 18 and 19 will require private individual stormwater management systems (dry wells) to meet qualitative management requirements. See sheet 5 for design computations and details.
- The Recreation Open Space, Landscaping Edges, the Noise Mitigation Berm and Sight Distance easement shall be maintained by the Homeowners Association.
- This plan subject to WP96-96, the Planning Director approved a waiver to Section 16.155 (A) which requires approval of a site development plan for mass grading, subject to conditions.
- The existing dwellings/structures located on Lots 11, 23-27 shall be removed. The Developer must submit verification from the Department of Inspections, Licenses and Permits that the structures have been razed prior to the Director's signature approval of the Final Plat.

ROAD & STORM DRAIN CONSTRUCTION PLANS

SCOTT ACRES

A RESUBDIVISION OF

LOTS 5, 6, and 7

LOTS 10 - 32

5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

18291

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Richard Blood 8/30/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH
Mark Dammann 8/30/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION

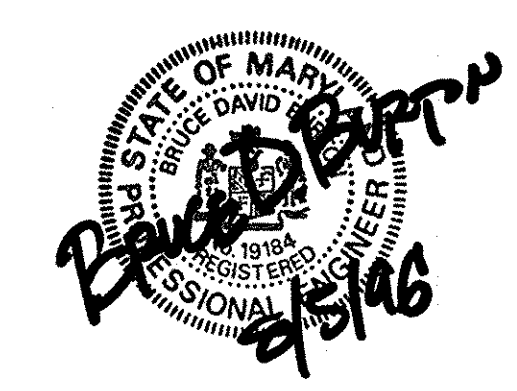
APPROVED: DEPARTMENT OF PUBLIC WORKS FOR STORM DRAINAGE SYSTEMS AND ROADS.
Andrew M. Davelos 8-27-96
CHIEF, BUREAU OF HIGHWAYS

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.
J. A. Washburn 8/16/96
Natural Resource Observation Service

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard County Soil Conservation District.
John R. Robertson 8/16/96
Howard Soil Conservation District

ENGINEER'S CERTIFICATE
I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he/she must engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.
Bruce D. Burton 8/15/96
Signature of Engineer Date

DEVELOPER'S CERTIFICATE
I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by Howard Soil Conservation District.
Chf. [Signature] 8/15/96
Signature of Developer Date



LDE, INC.
9250 Rumsey Road, Suite 106, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED S.D.H.	COVER SHEET	SCALE AS SHOWN
DRAWN LDE	SCOTT ACRES A Resubdivision of Lots 5, 6 and 7 Lots 10-32	DRAWING 1 of 12
CHECKED B.D.B.	Tax Map 35 P/O Parcel 353 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND Previous Submittals: F77-112, BA80-08, BA83-11E, S95-12, P96-03	JOB NO. 94-161
DATE Jan. 1996	Owner/Developer Lot 1 Improvement Corporation 8835 P Columbia 100 Parkway Columbia, MD 21045	FILE NO. F96-106

Curb Legend:

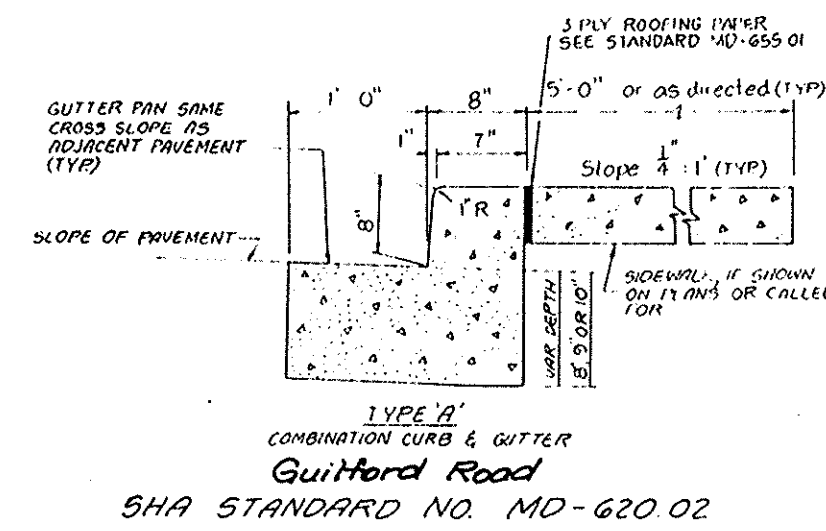
- MSHA Type 'A' 3rd. 8" Comb. Curb & Gutter
- Howard County 3rd. Comb. Curb & Gutter

Street Light Location Table				
Symbol	Street Name	E Station	Offset	Type
★	Guilford Road	53+05	4' Left	250 Watt High Pressure Sodium Vapor Fixture (Grey) with cutoff optics mounted at 30' on a galvanized steel pole and aluminum break-away transformer base using 15' arm.

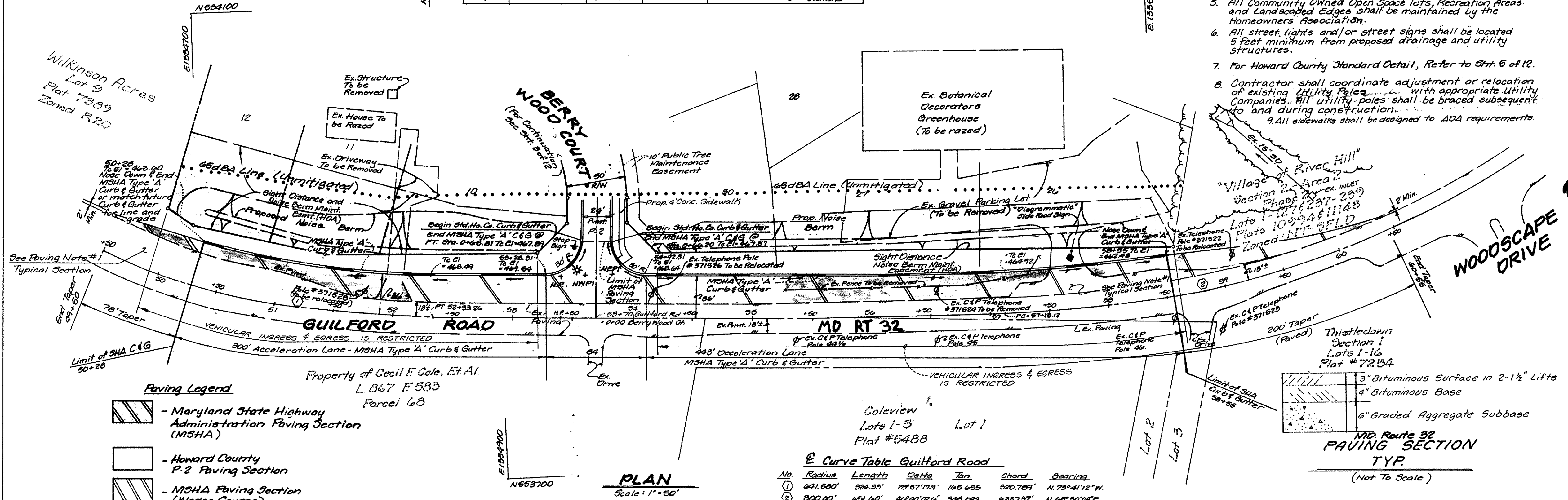
Street Sign Location Table				
Symbol	Street Name	E Station	Offset	Type
◆	Berry Wood Ch.	0+66	14' Left	R1-1 Stop Sign 30"x30" Octagon
◆	Guilford Road	57+70	38' Left	W8-2 Side Road Sign 24"x36" Diamond

NOTES:

- For street tree locations, see sheet 12 of 12
- For storm drain profiles and structure schedule, see sheet 6 of 12. See structure schedule for storm drain locations.
- All street lights shall be located 2 feet minimum to 4 feet maximum behind the curb. No trees shall be located within 20 feet of any street light. See detail sheet 5 of 12.
- For detail of Noise Barrier construction, see sheet 5 of 12.
- All Community Owned Open Space Lots, Recreation Areas and Landscaped Edges shall be maintained by the Homeowners Association.
- All street lights and/or street signs shall be located 5 feet minimum from proposed drainage and utility structures.
- For Howard County Standard Detail, Refer to Sht. 6 of 12.
- Contractor shall coordinate adjustment or relocation of existing utility poles with appropriate utility companies. All utility poles shall be braced subsequent to and during construction.
- All sidewalks shall be designed to ADA requirements.



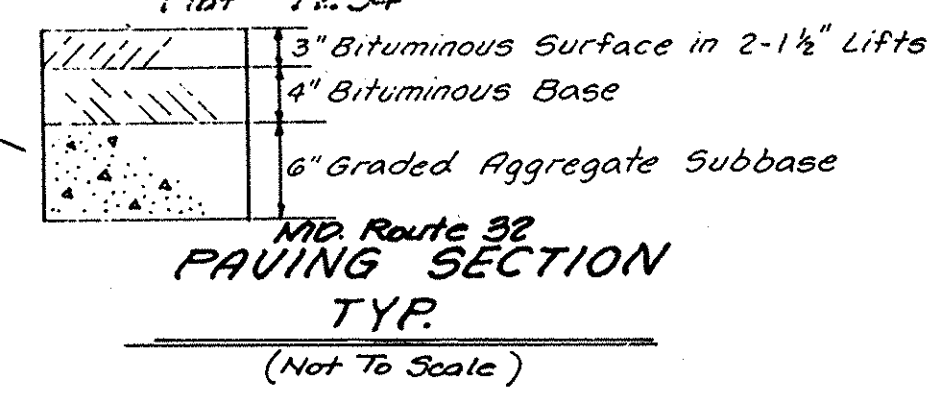
PLAN
 SURVEYED BY: _____ DATE: _____
 NOTE BOOK NO. _____
 CHECKED BY: _____
 DATE: _____



- Paving Legend**
- Maryland State Highway Administration Paving Section (MSHA)
 - Howard County P.2 Paving Section
 - MSHA Paving Section (Wedge Course)

E Curve Table Guilford Road

No.	Radius	Length	Delta	Tan	Chord	Bearing
1	641.680'	534.05'	22°57'17.9"	106.665'	520.769'	N. 78°41'12" W.
2	800.00'	601.60'	47°00'02.6"	346.092'	633.797'	N. 68°50'08" E.



Approved: Howard County Department of Planning and Zoning

Richard Blood 8/23/96
 Chief, Division of Land Development and Research

Mr. Damms 8/20/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

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

Andrew M. Ducker 8-27-96
 Chief, Bureau of Highways

LDE, INC.
 9250 Rumsey Road, Suite 106, Columbia, MD. 21045
 (410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

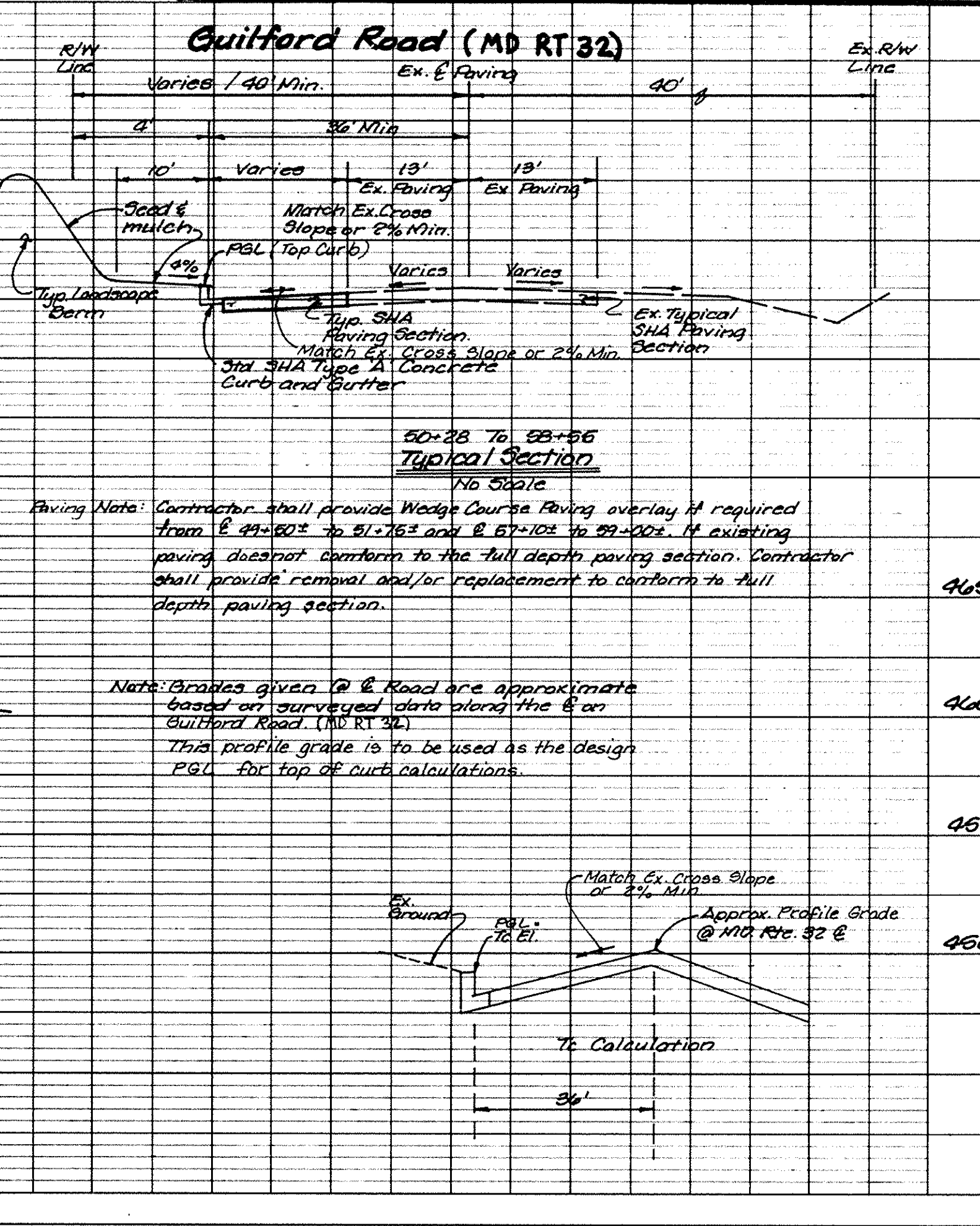
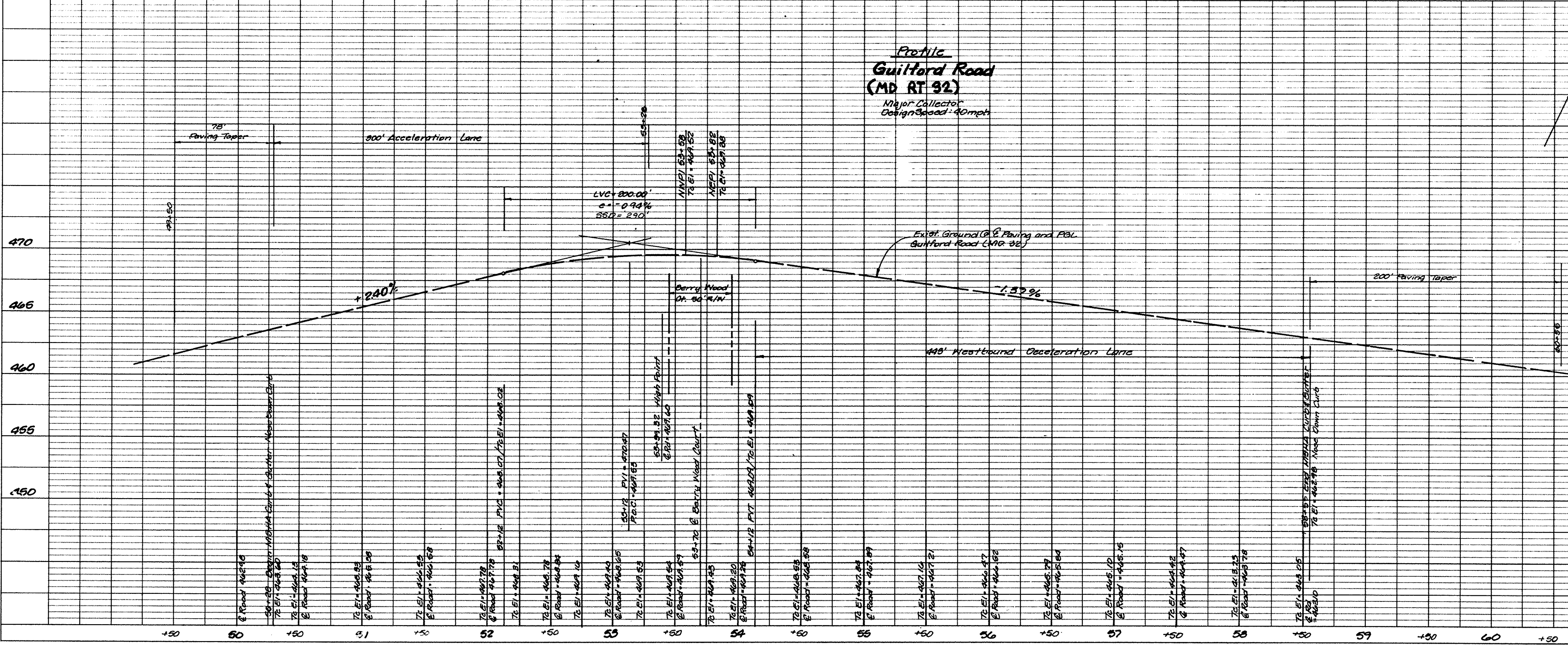
MD ROUTE 32
Guilford Road Improvements
SCOTT ACRES
 A Resubdivision of Lots 5, 6 and 7
 Lots 10-32
 Tax Map No. 35 P/D Parcel 353
 5th Election District
 Howard County, Maryland
 Previous Submittals: F77-112, BA80-08, BA83-11E, 595-12, P94-03, W94-70

Scale: 1" = 50'
 Sheet 2 of 12
 LDE Job No. 94-161
 File No. F96-105

Designed: SDH
 Drawn: E.O.B.
 Checked: B.O.B.
 Date: Jan. 1996

OWNER/DEVELOPER
LOT 1 IMPROVEMENT CORP.
 8825 P Columbia 100 Pkwy.
 Columbia, MD. 21045

PROFILE
 SURVEYED BY: _____ DATE: _____
 NOTE BOOK NO. _____
 CHECKED BY: _____
 DATE: _____



Paving Note: Contractor shall provide Wedge Course Paving overlay if required from E 59+50± to 51+76± and E 57+10± to 59+00±. If existing paving does not conform to the full depth paving section, Contractor shall provide removal and/or replacement to conform to full depth paving section.

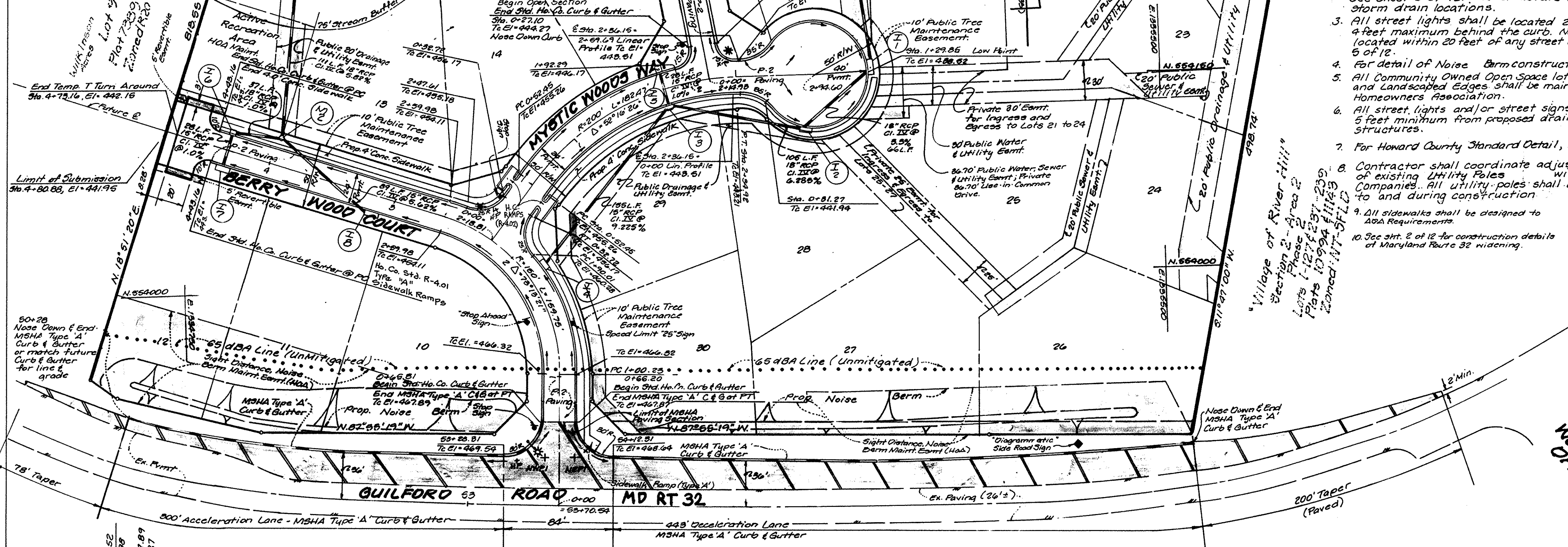
Note: Grades given @ E Road are approximate based on surveyed data along the E on Guilford Road (MD RT 32). This profile grade is to be used as the design PBL for top of curb calculations.

6281

Symbol	Street Name	Station	Offset	Type
◆	Berry Wood Ct	0+46	14' Left	R1-1 Stop Sign 30" x 30" Detagon
◆	Mystic Woods Way	0+24	14' Left	"
◆	Roslyn Ct	0+27	15' Left	"
◆	Guilford Road	57+70	38' Left	W2-2 Side Road Sign 30" x 30" Detagon
◆	Berry Wood Ct	1+46	14' Left	W3-1a Stop Sign Ahead 30" x 30" Detagon
◆	Berry Wood Ct	1+33	14' Right	R2-1 Stop Sign Ahead 30" x 30" Detagon

Symbol	Street Name	Station	Offset	Type
◆	Guilford Road	53+40	49' Left	100 Watt High Pressure Sodium (HPS) Street Light mounted on 30' or a 30' minimum height pole & aluminum bracket with 100 Watt HPS lamp. See detail sheet 5 of 12.
◆	Mystic Woods Way	0+24	24' Left	100 Watt High Pressure Sodium (HPS) Street Light mounted on 30' or a 30' minimum height pole & aluminum bracket with 100 Watt HPS lamp. See detail sheet 5 of 12.
◆	Roslyn Court	0+18	14' Right	100 Watt High Pressure Sodium (HPS) Street Light mounted on 30' or a 30' minimum height pole & aluminum bracket with 100 Watt HPS lamp. See detail sheet 5 of 12.
◆	Berry Wood Court	2+38	18' Right	100 Watt Traditional "Socabe" Street Light mounted on 30' or a 30' minimum height pole & aluminum bracket with 100 Watt Traditional "Socabe" lamp. See detail sheet 5 of 12.
◆	Roslyn Court	3+00	18' Right	100 Watt Traditional "Socabe" Street Light mounted on 30' or a 30' minimum height pole & aluminum bracket with 100 Watt Traditional "Socabe" lamp. See detail sheet 5 of 12.

Street Name	Radius	Delta	Length	Tan	Chord	Bearing
Berry Wood Court	125.00'	73° 13' 21"	159.75'	92.87'	149.10'	N 34° 27' 52"
Mystic Woods Court	200.00'	52° 16' 20"	182.47'	98.14'	176.21'	N 63° 55' 54"



Approved: Howard County Department of Planning and Zoning

Richard Blood 1/30/96
 Chief, Division of Land Development and Research

John D. ... 2/30/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

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

Richard M. ... 8-27-96
 Chief, Bureau of Highways

LDE, INC.
 4280 Rumsey Road, Suite 100, Columbia, MD 21045
 (410) 715-1070 • (301) 596-3424 • (410) 715-0681 (fax)

Designed: SOH
 Drawn: E.R.B.
 Checked: BOB
 Date: Jan 1996

SCOTT ACRES
 A Resubdivision of Lots 5, 6 and 7
 Lots 10-32
 Tax Map No. 35 P/D Parcel 353
 5th Election District
 Howard County, Maryland

Previous Submittals: F77-112, B480-06, B483-11E, 595-12, P94-03, W946-94

OWNER/DEVELOPER
 LOT 1 IMPROVEMENT CORP.
 2835 F Columbia, 100 Pkwy.
 Columbia, MD, 21045

Scale: 1" = 50'
 Sheet 3 of 12
 LDE Job No. 94-161
 File No. F96-101

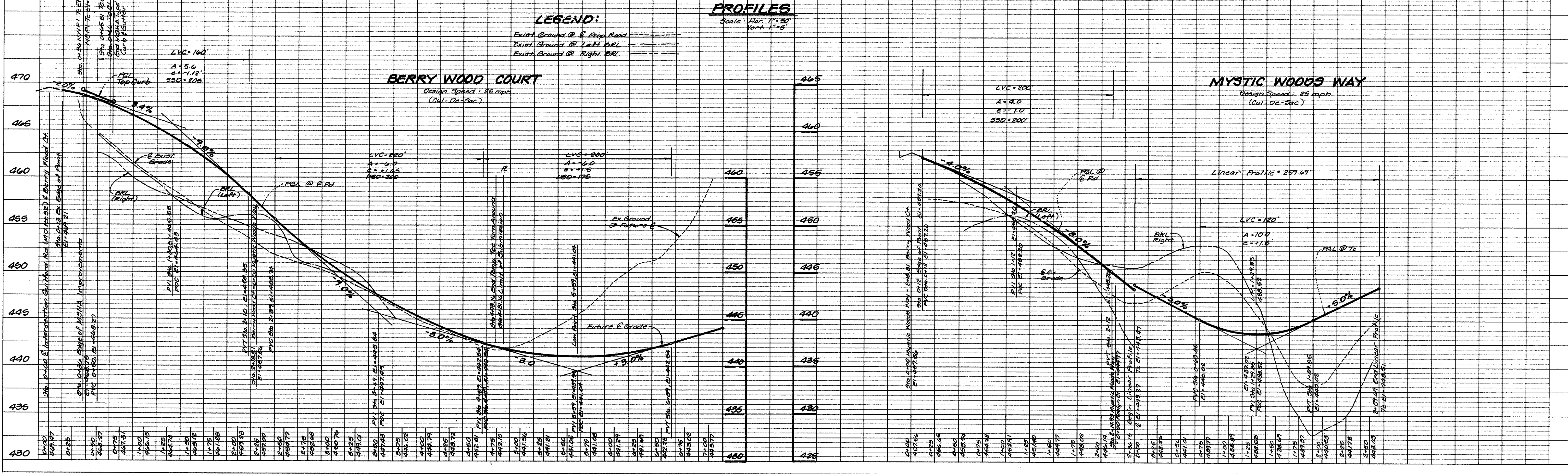


PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
 NATIONAL PRINTFAST
 PRINTED IN U.S.A.

1829

18281

Street Sign Location Table

Symbol	Street Name	E Station	Offset	Type
▲	Roslyn Court	0+27	13' Left	R1-1 Stop Sign 30" x 30" Octagon

- NOTES:**
- For street tree locations, see sheet 12 of 12.
 - For storm drain profiles and structure schedule, see sheet 6 of 12. See structure schedule for storm drain locations.
 - All street lights shall be located 2 feet minimum to 4 feet maximum behind the curb. No trees shall be located within 20 feet of any street light. See detail sheet 5 of 12.
 - All Community Owned Open Space lots, Recreation Areas and Landscaped Edges shall be maintained by the Homeowners Association.
 - All street lights and/or street signs shall be located 5 feet minimum from proposed drainage and utility structures.
 - For Howard County Standard Details, refer to sheet 5 of 12.
 - Contractor shall construct Type 1 Guard Rail with beam Sta. 1+78 ± Rt. to Sta. 3+12 ± Rt. and Sta. 2+00 ± Lt. to Sta. 2+92 ± Lt.
 - Contractor shall construct grass lined V Channel Sta. 0+27.10 Lt. to Sta. 1+85 ± Lt. Contractor shall construct rip rap lined V Channel Sta. 1+85 ± Lt. to Sta. 2+30 ± Lt., Sta. 2+30 ± Lt. to Sta. 4+76.17 Lt. and Sta. 2+65 ± Rt. to Sta. 4+76.17 Rt.
 - For Channel Details see sheet 6 of 12.
 - The future culvert proposed for the driveway of Lot 19 shall be submitted and approved as part of the site development plan approval.

RIP RAP LINED CHANNEL

Location	Offset to E Ditch
1+85 ±	20' Left
2+15 ±	32' Left
2+30 ±	48' Left @ S-S
2+50 ±	42' Left
2+62 ±	55' Right @ S-4
2+75 ±	38' Left, 43' Right
3+00 ±	32' Left, 30' Right
3+25 ±	26' Left, 28' Right
3+50 ±	20' Left and Right
3+81.86	17' Left and Right
4+76.17	17' Left and Right

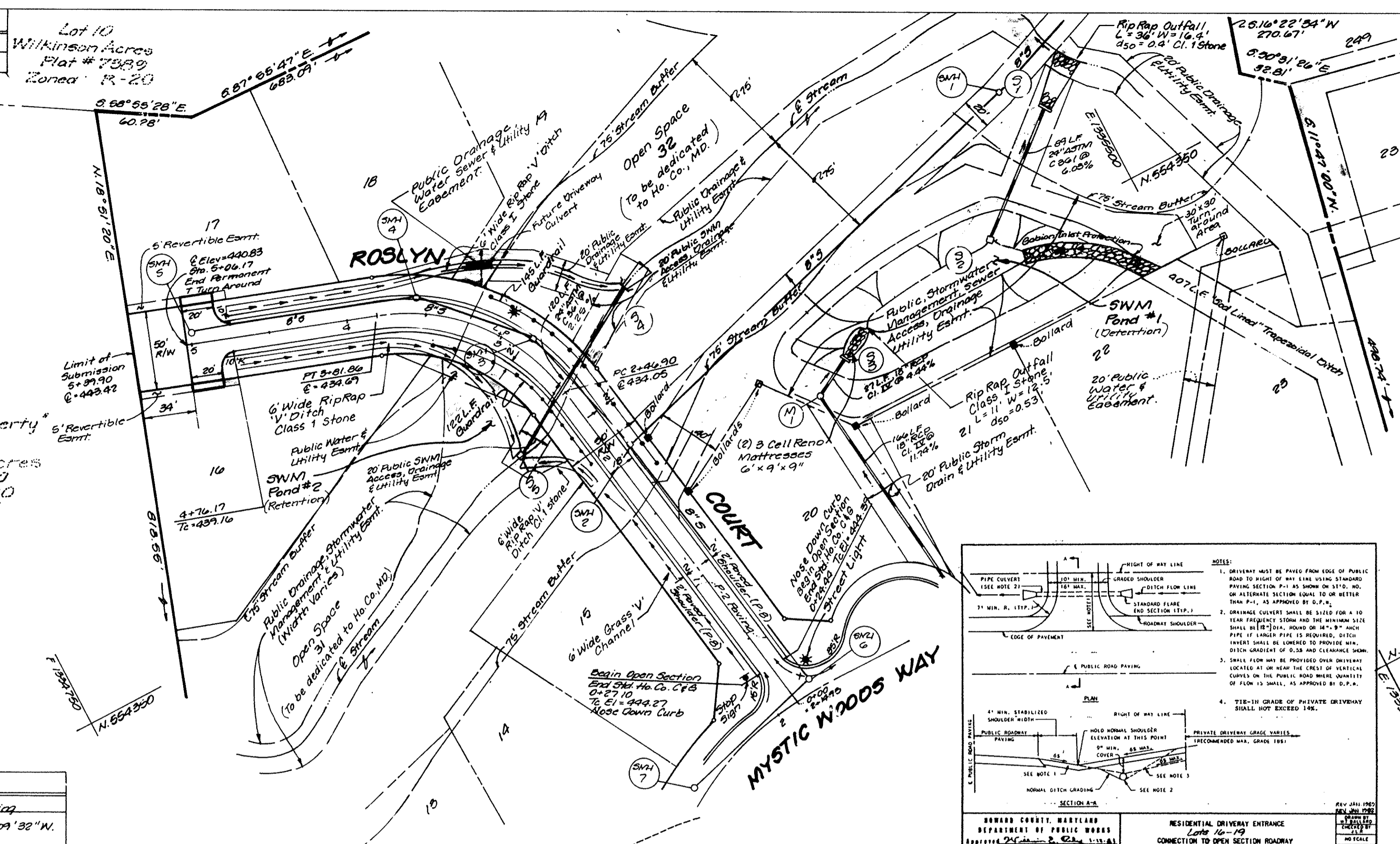
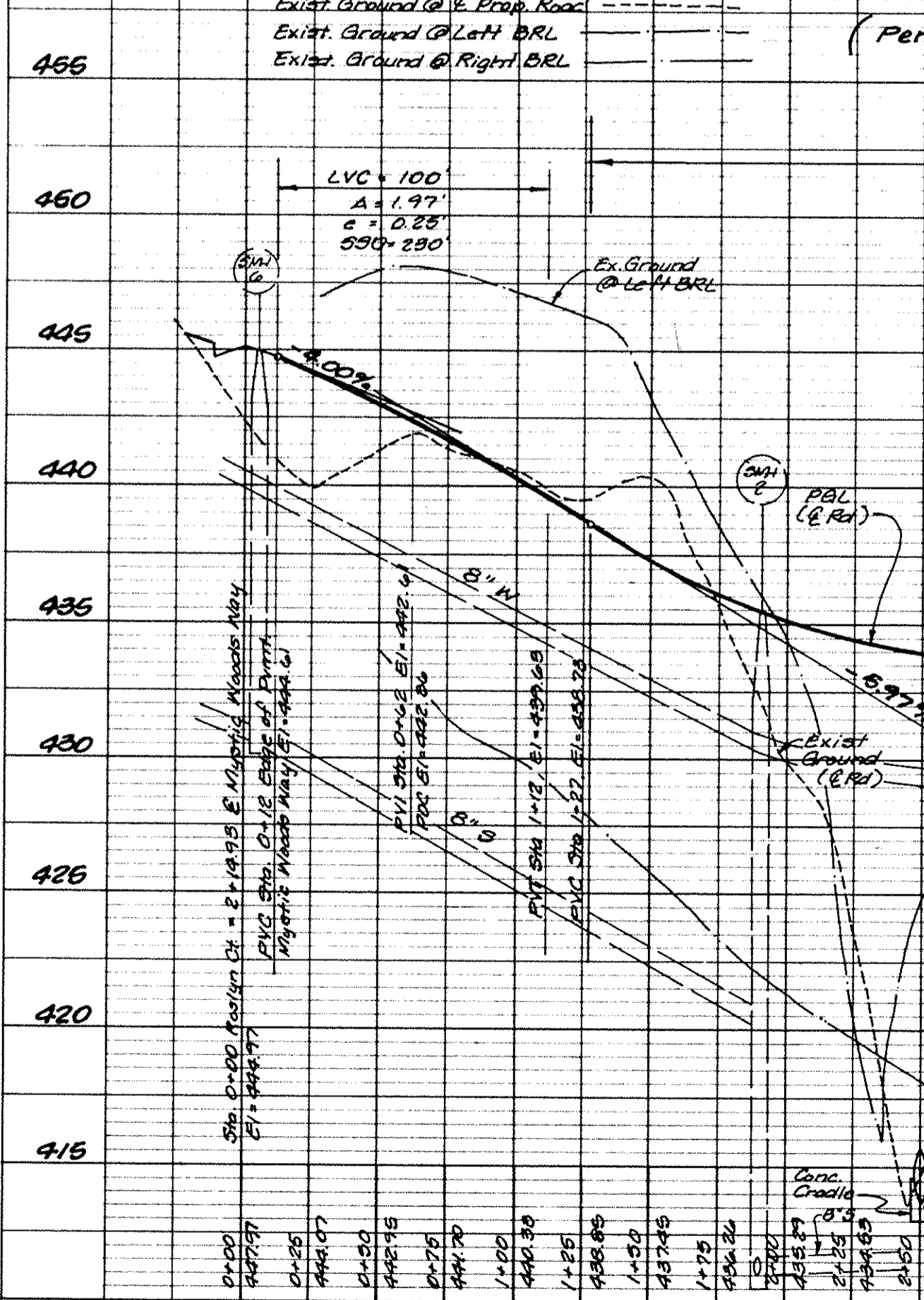
GRASS LINED CHANNEL

Location	Offset to E Ditch
0+27.10	17' Left
1+85 ±	20' Left

E Curve Data Table

Station	Radius	Delta	Length	Tan	Chord	Bearing
Roslyn Court Sta. 2+46.90 to 3+81.80	126'	61°50'01"	134.90'	74.86'	128.45'	N. 40°09'32" W.

Legend



Street Light Location Table

Symbol	Street Name	E Station	Offset	Type
*	Roslyn Court	0+18	14' Rt	100 Watt Traditional WPG Vapor Proof top fixture on a 14" Black Fiberglass Pole
*	Roslyn Court	3+00	18' Rt	

Curb Legend:

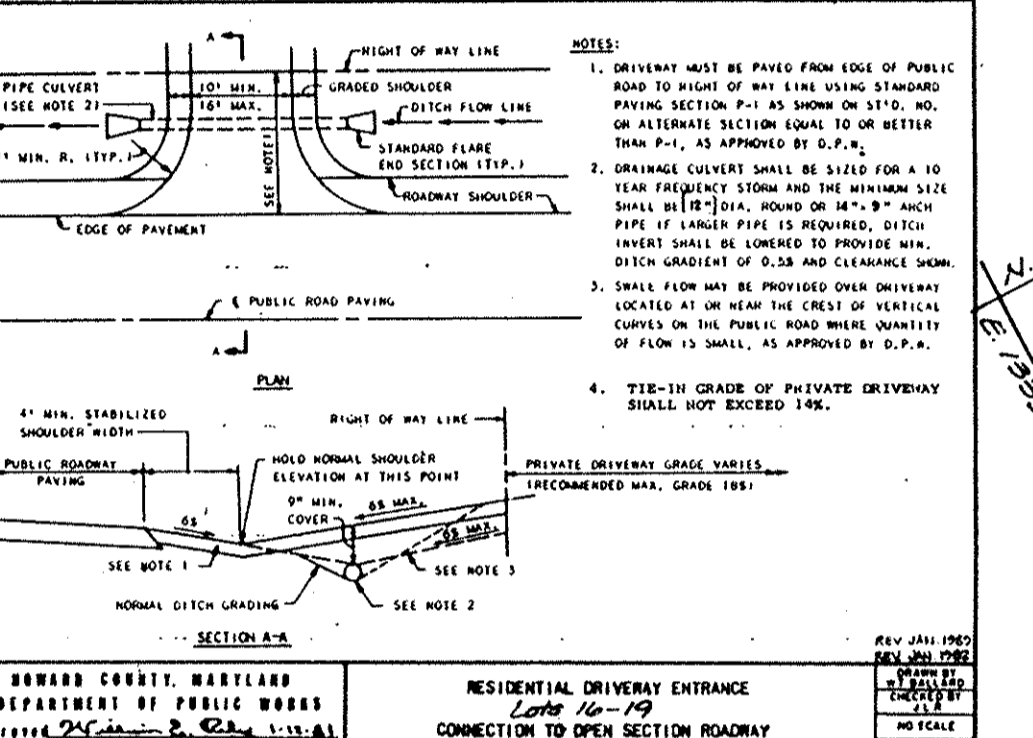
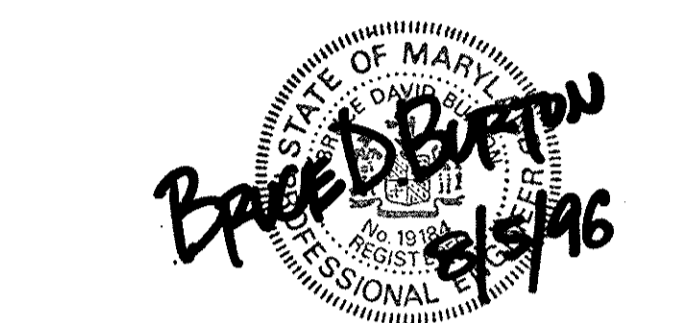
- Std. 7" Comb. Curb & Gutter
- Bituminous Curb

Approved: Howard County Department of Planning and Zoning

Richard Blood 1/30/96
 Chief, Division of Land Development and Research

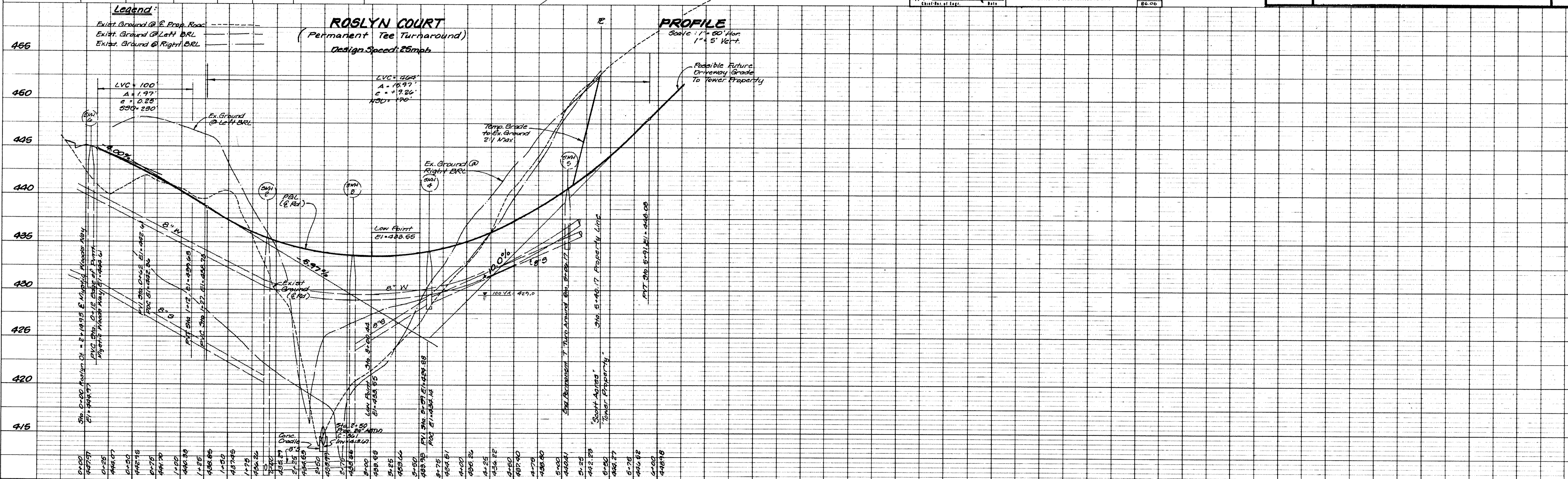
Mike Damm 2/10/96
 Chief, Development Engineering Division

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR STORM DRAINAGE SYSTEMS AND ROADS.
Andrew M. Donolo 3-27-96
 Chief, Bureau of Highways

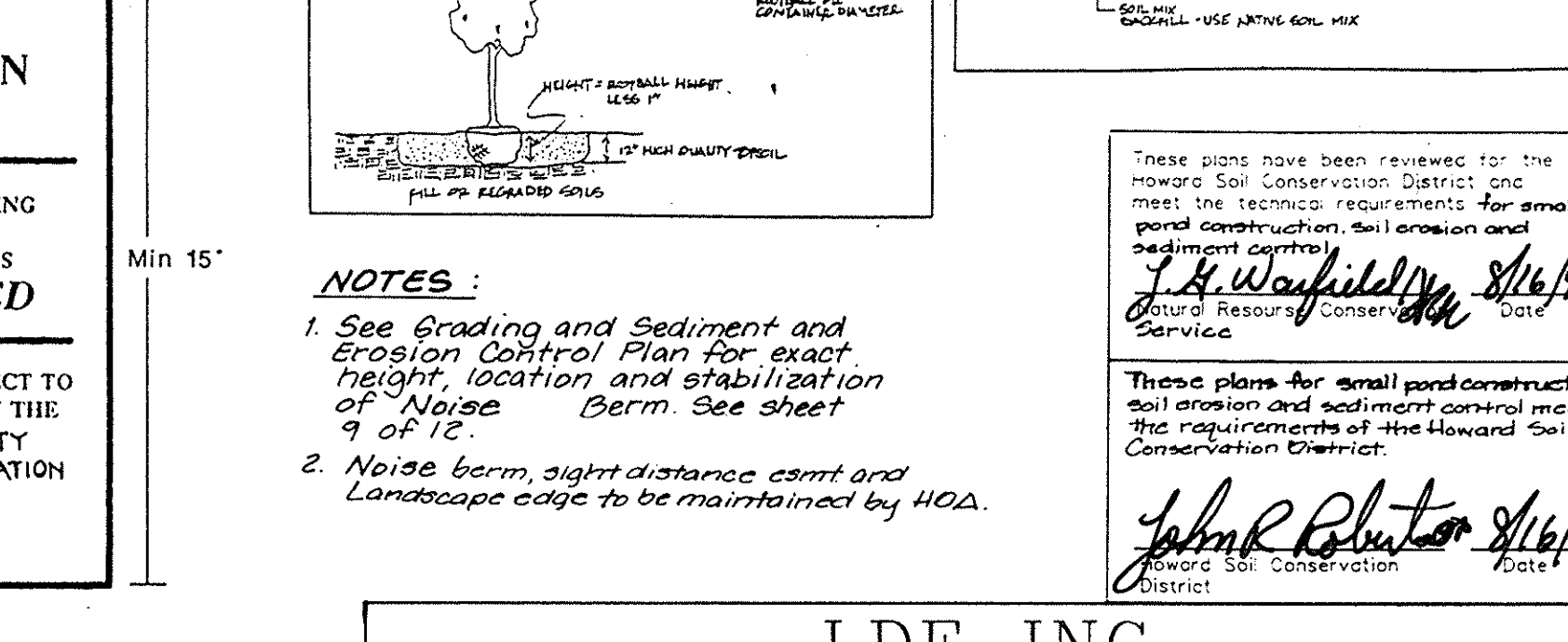
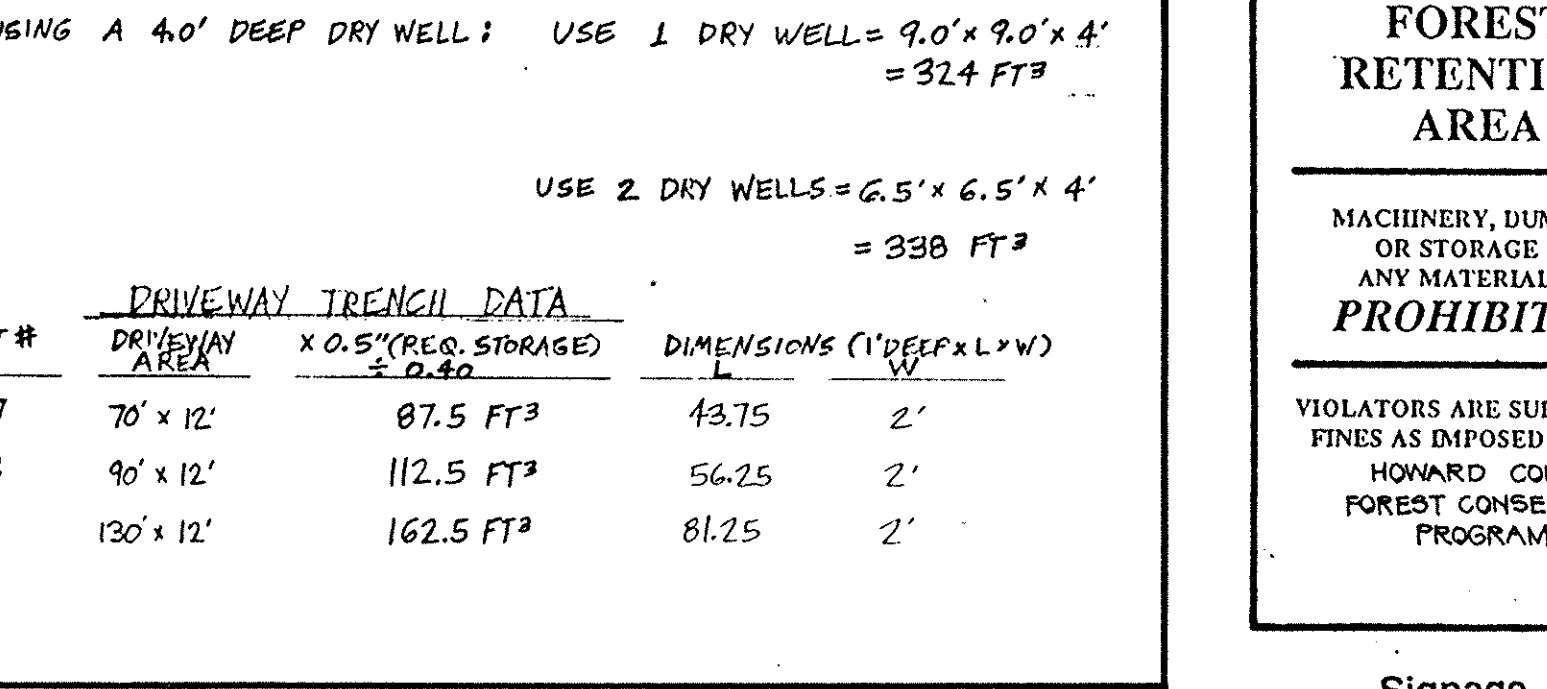
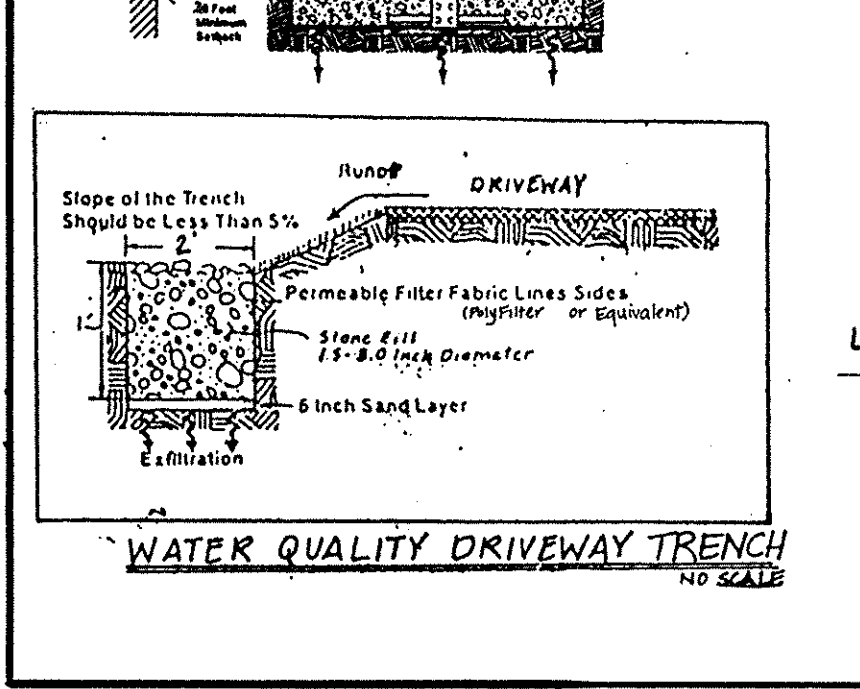
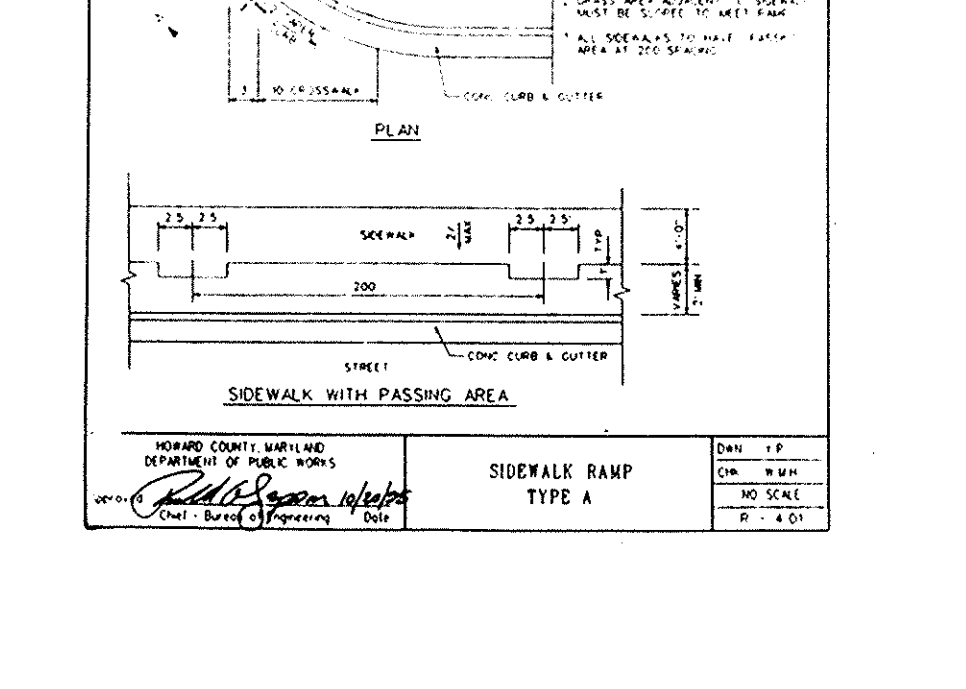
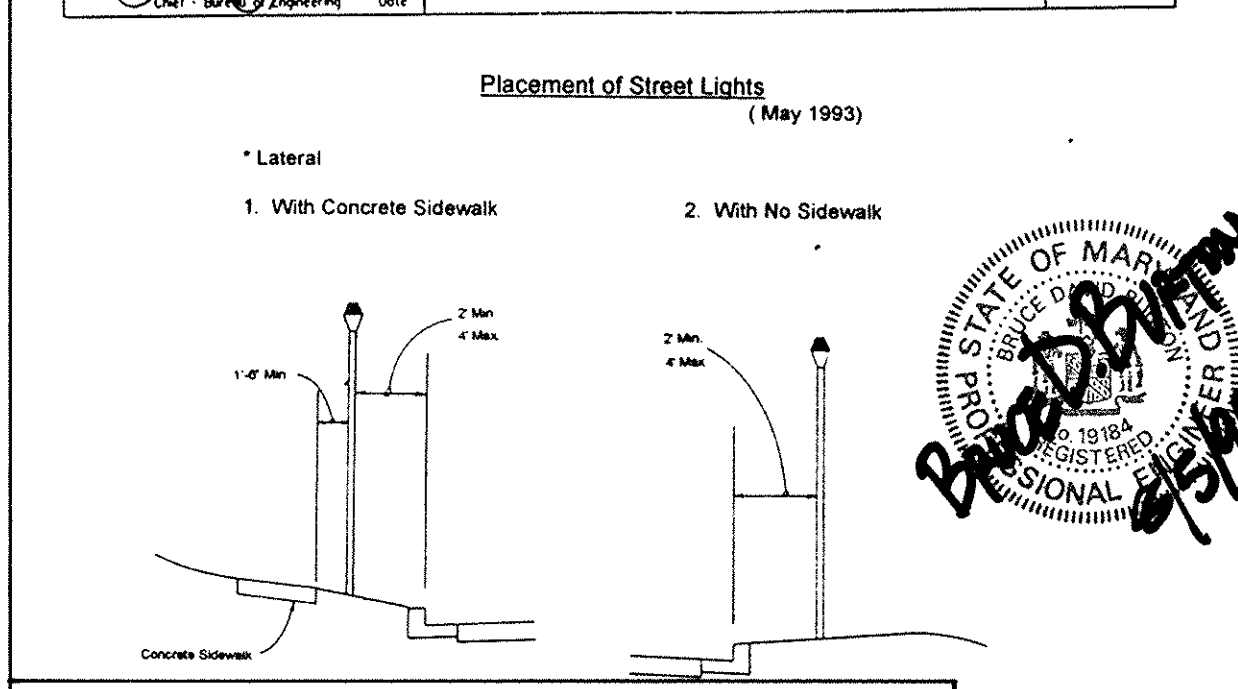
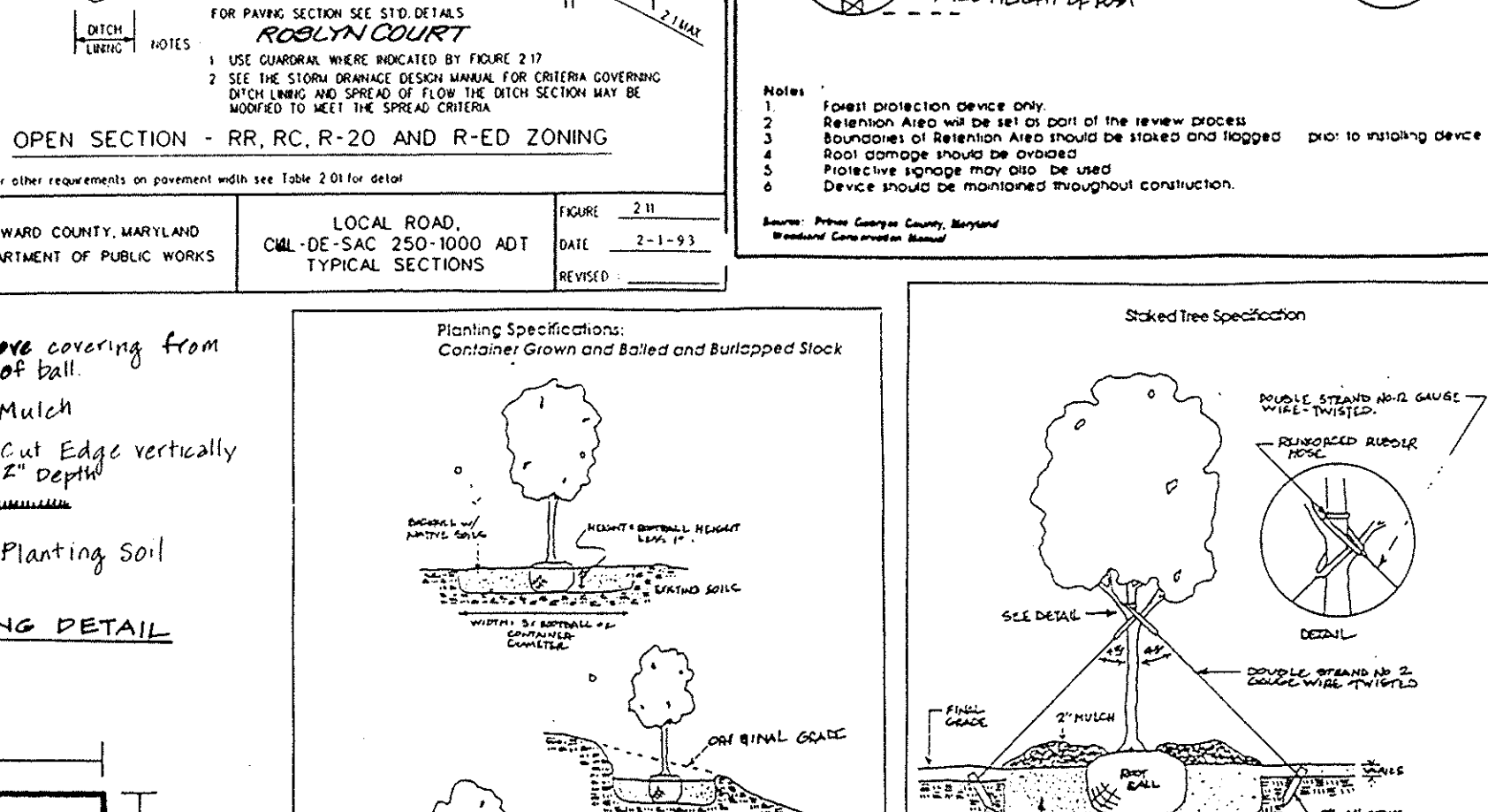
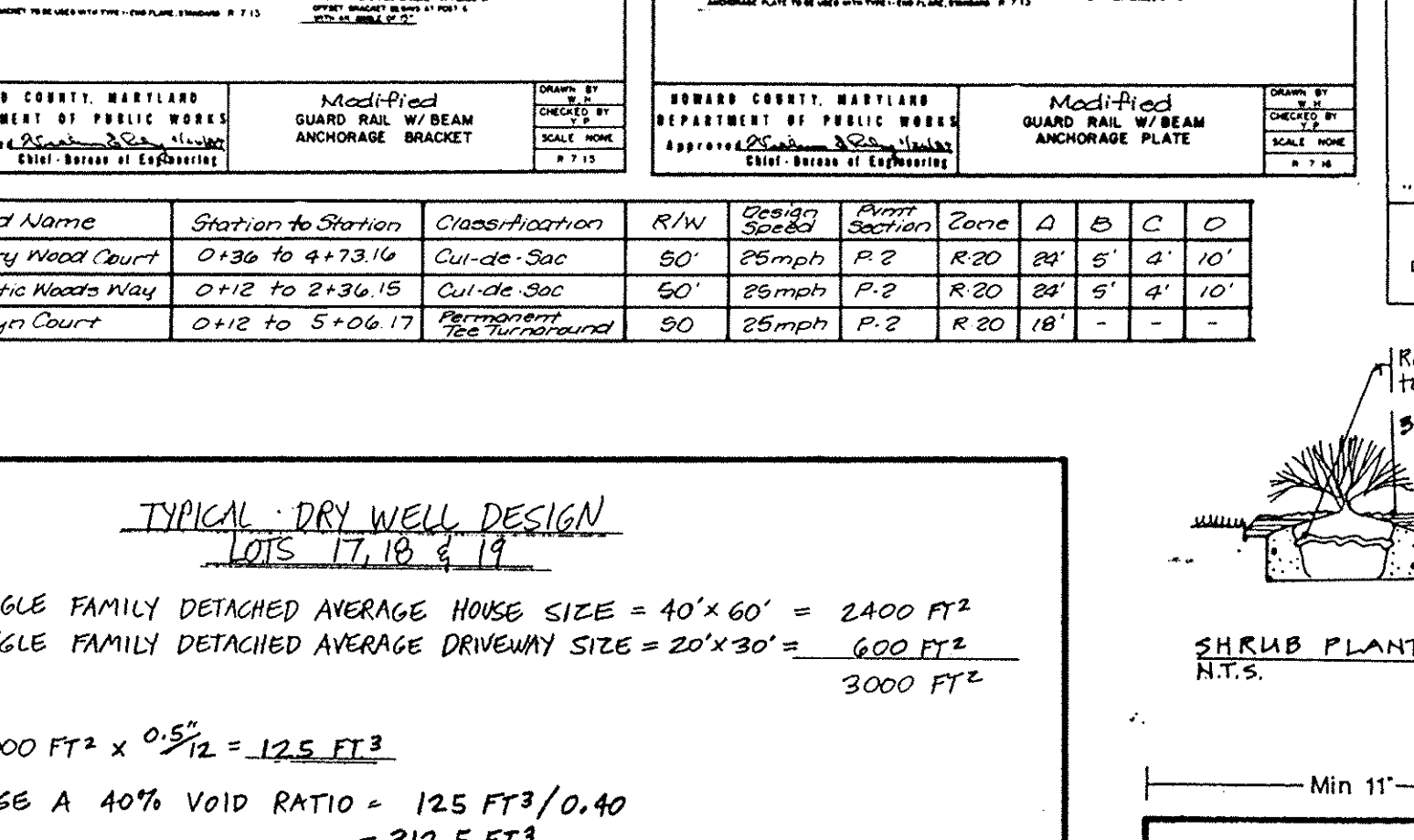
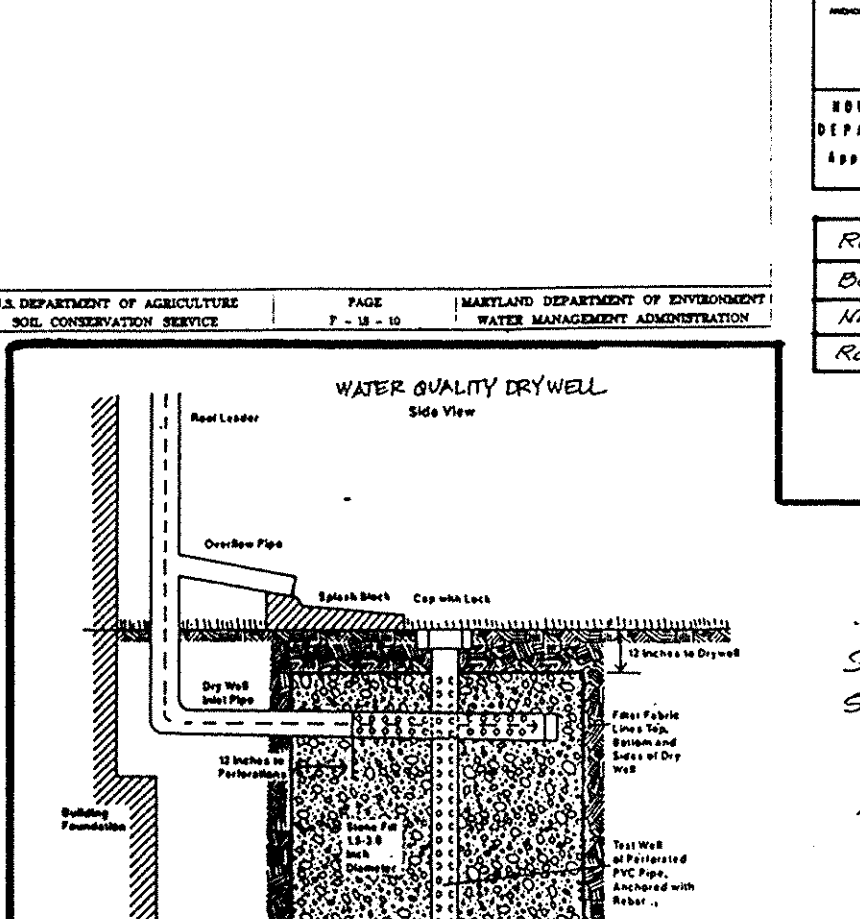
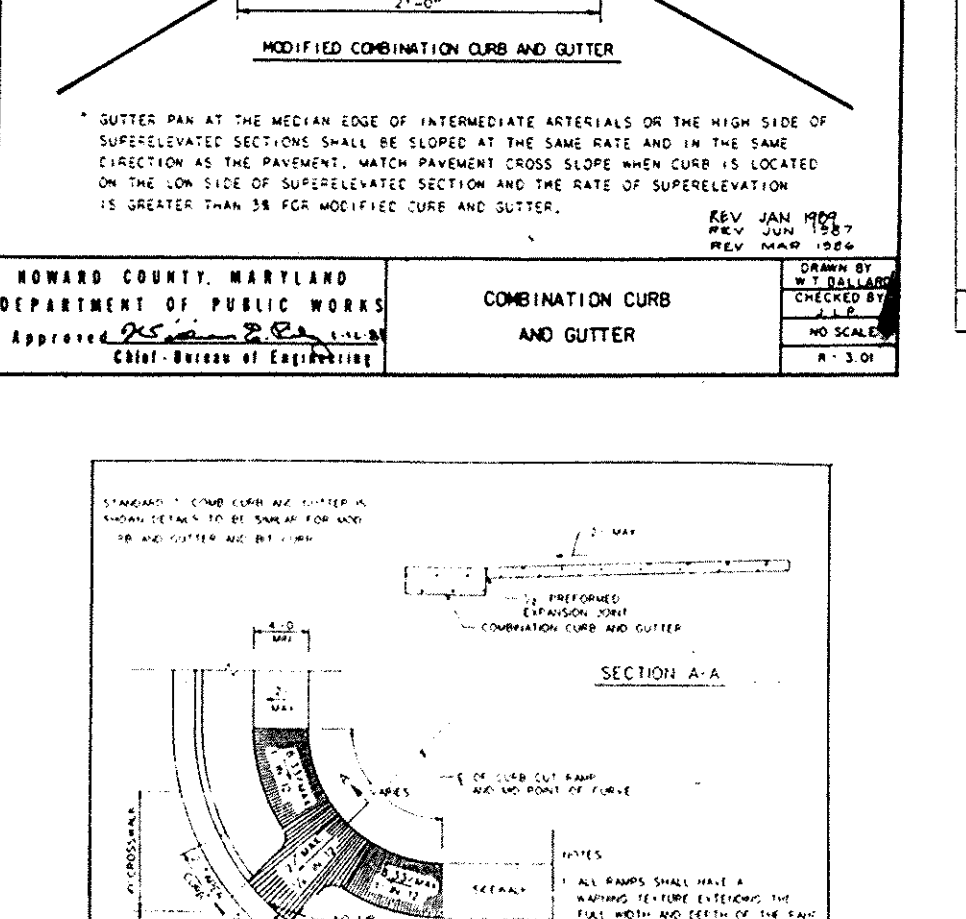
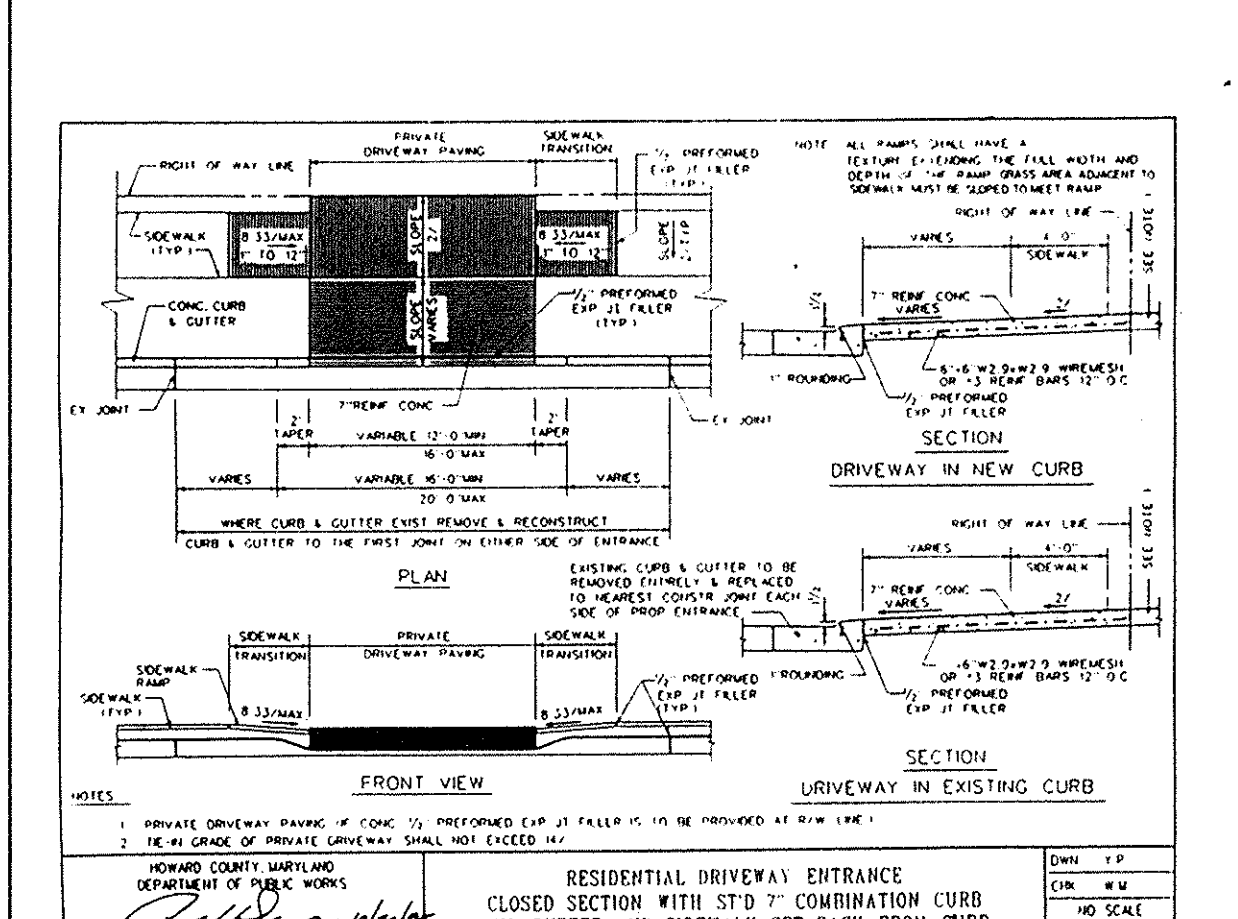
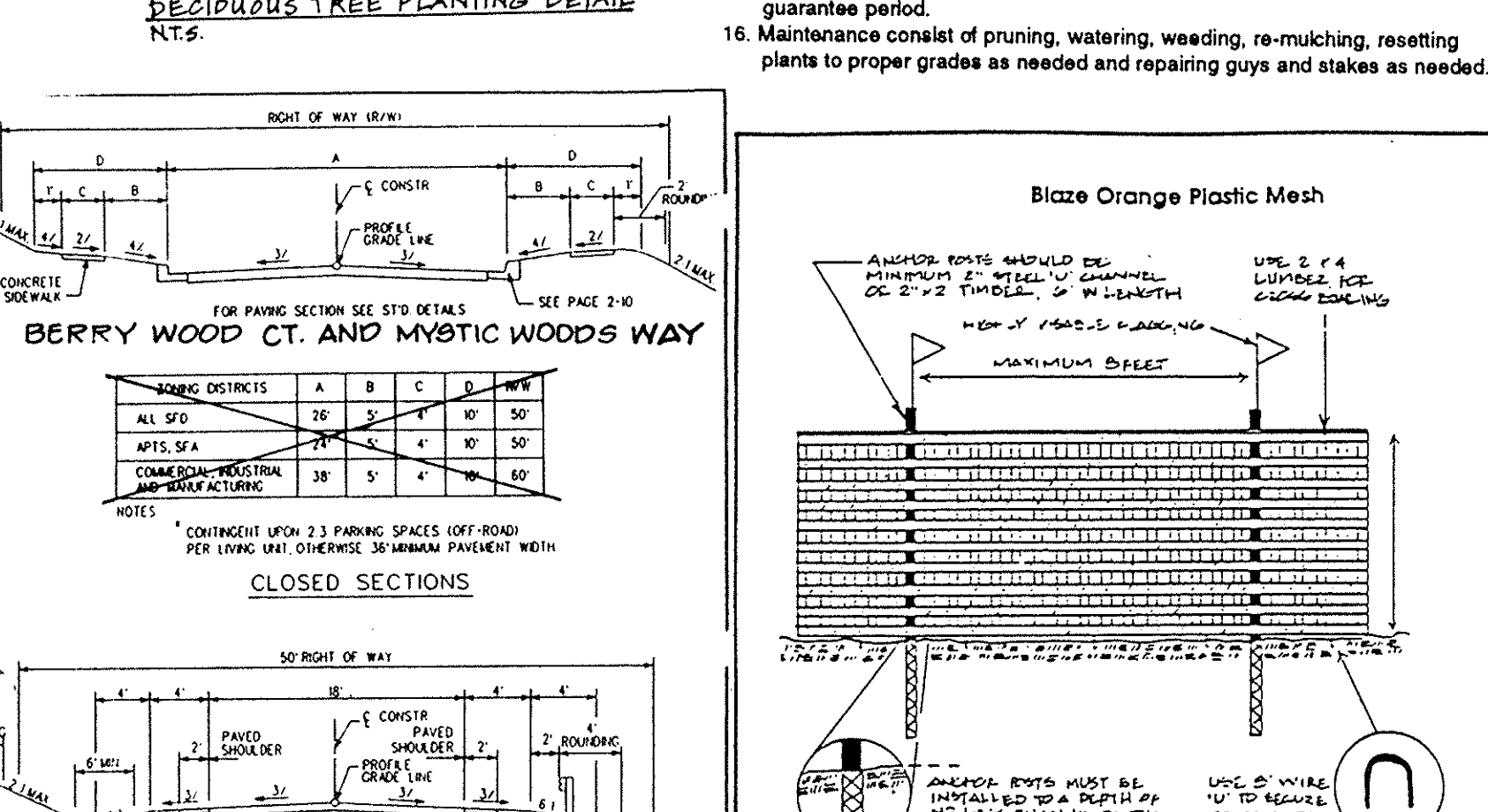
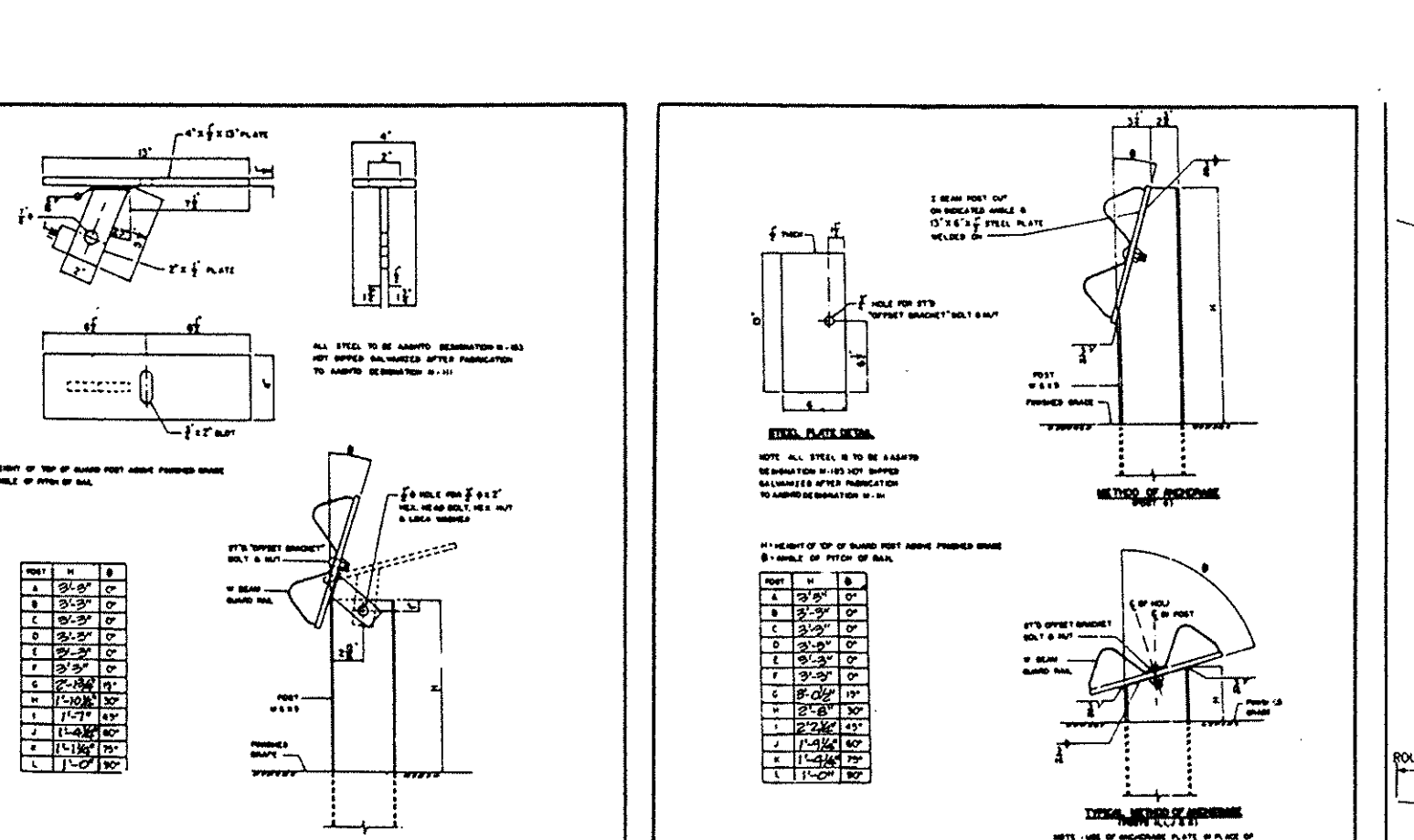
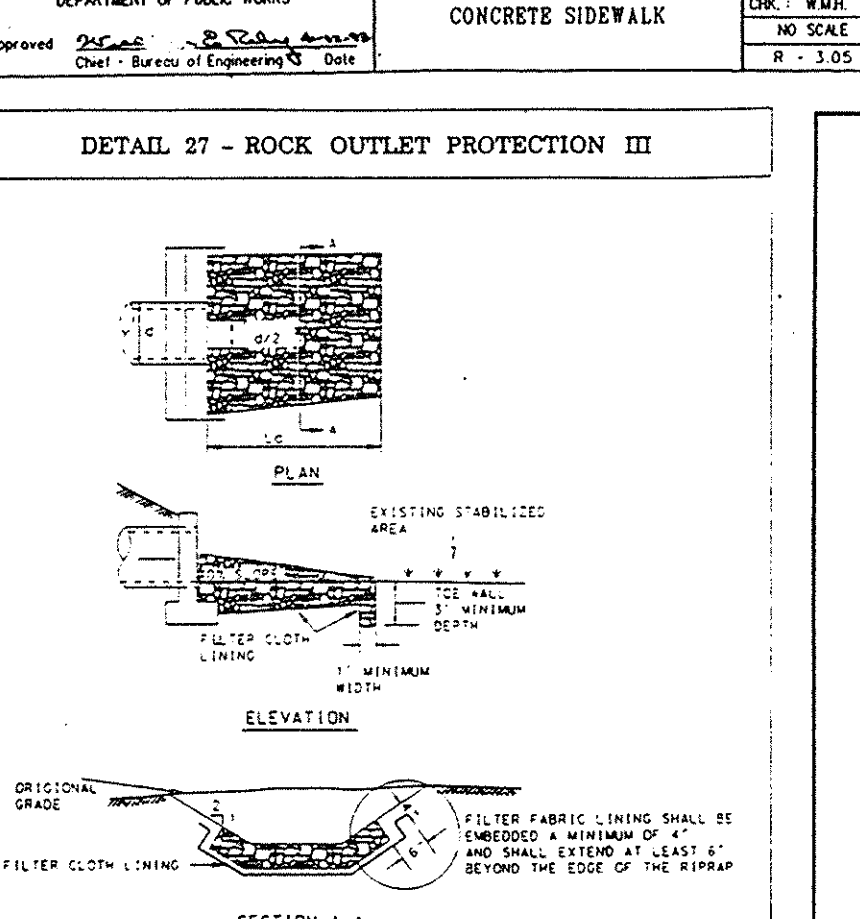
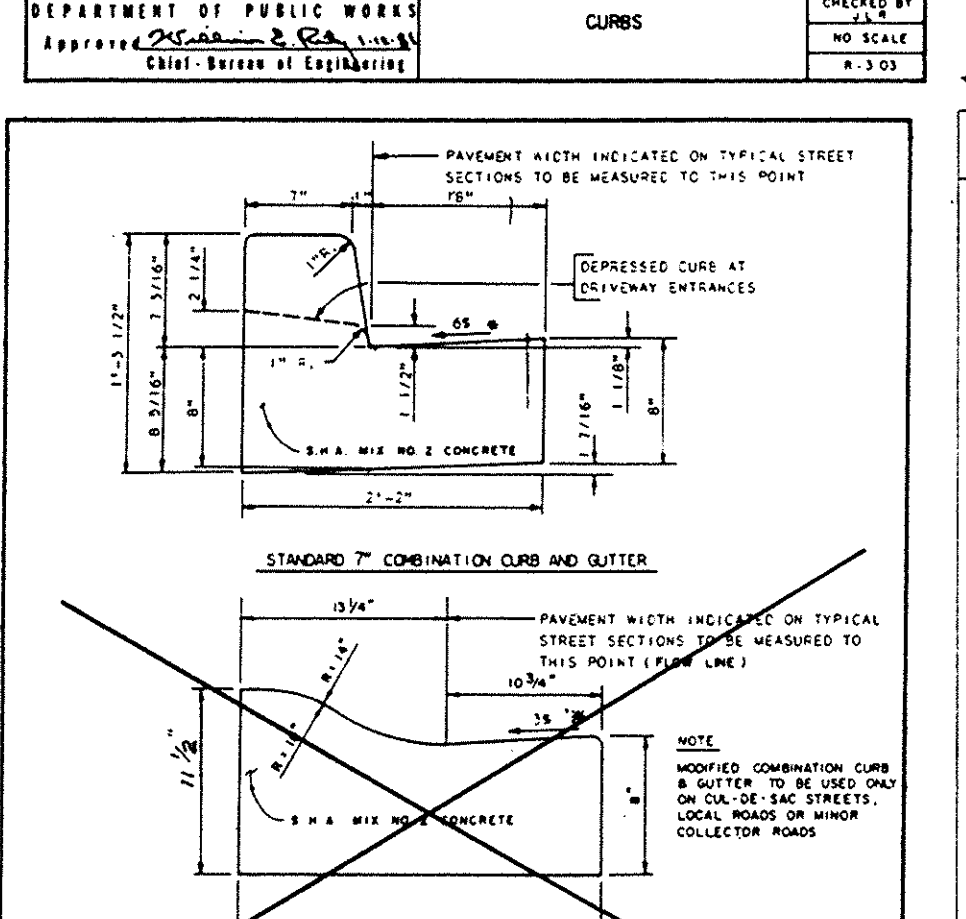
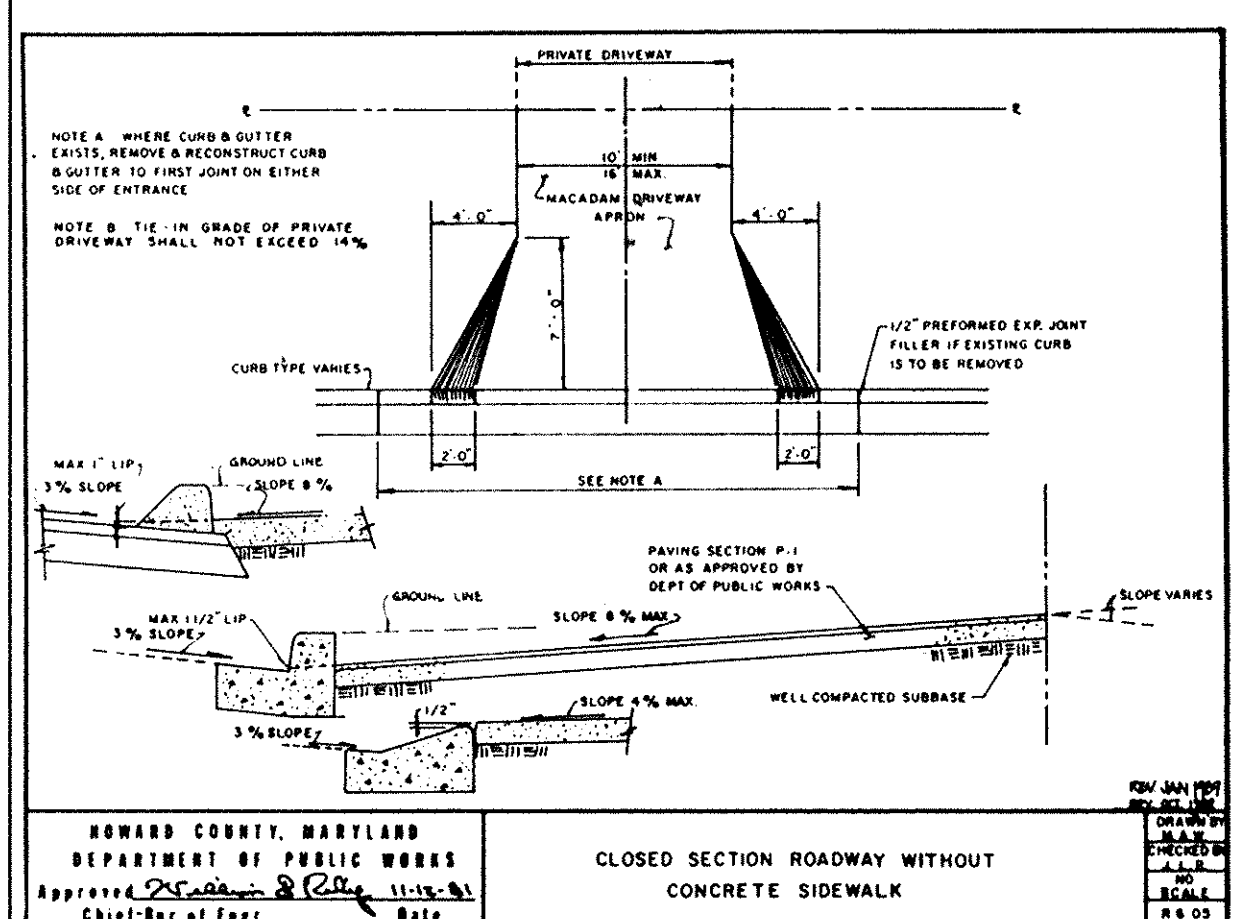
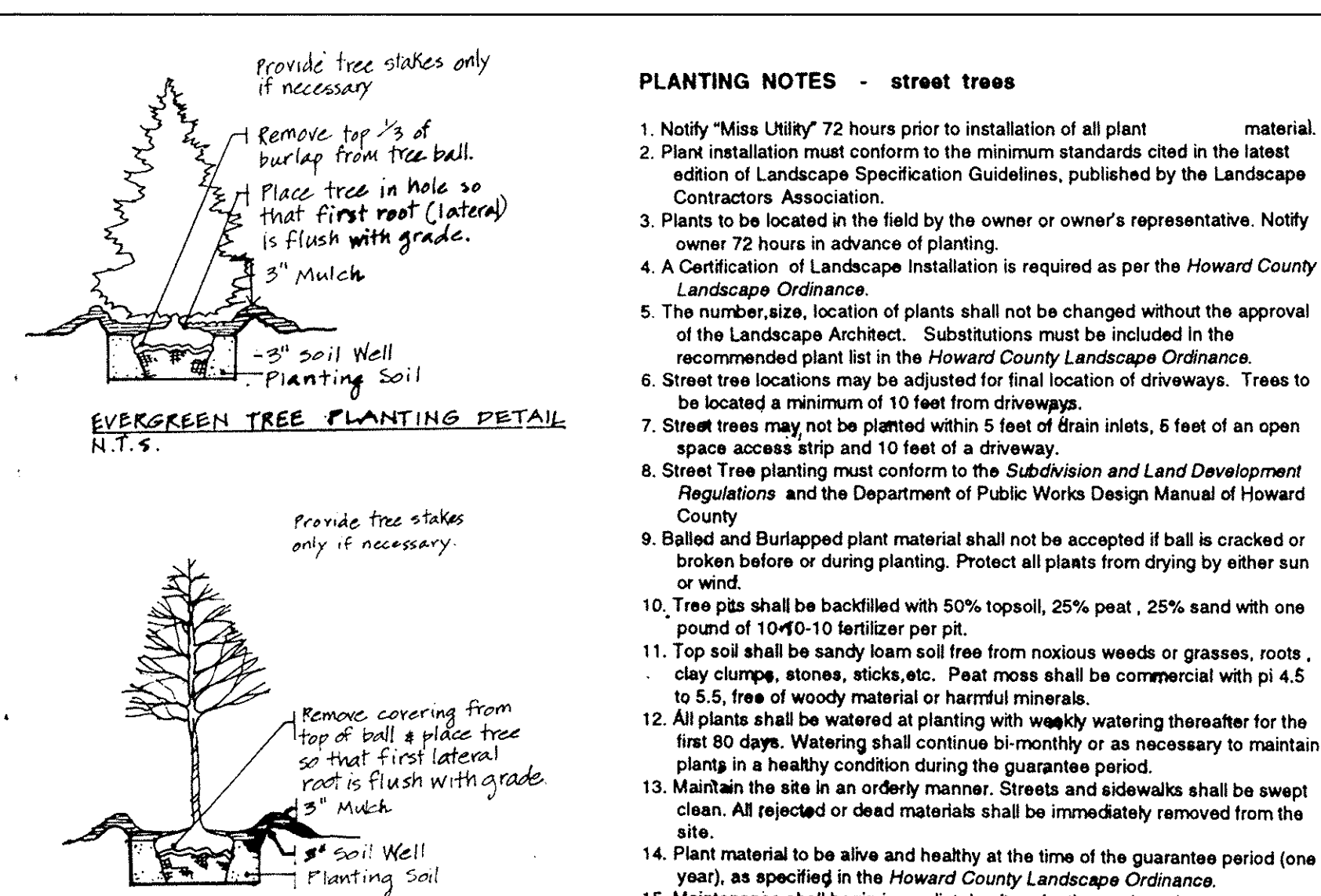
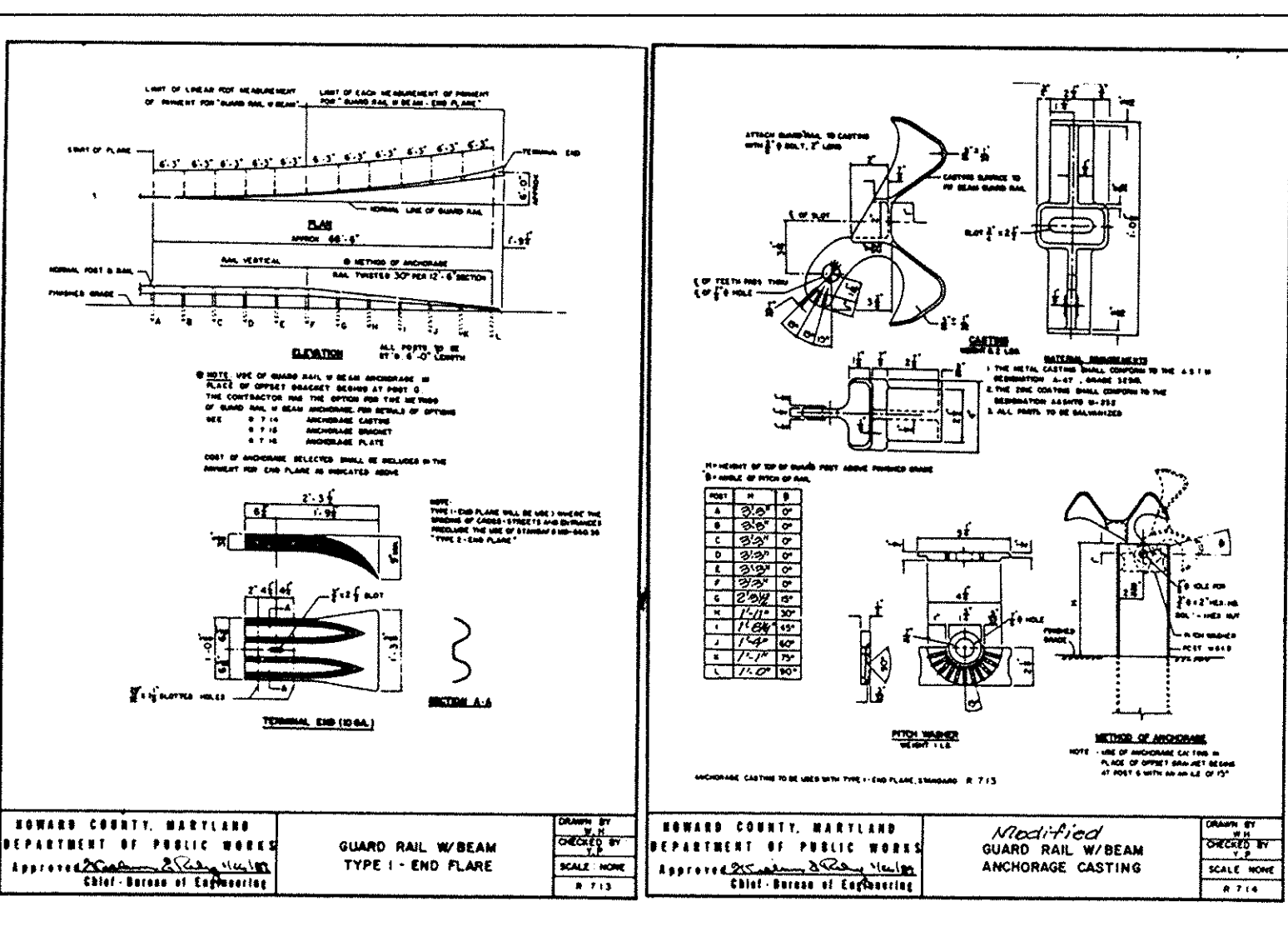
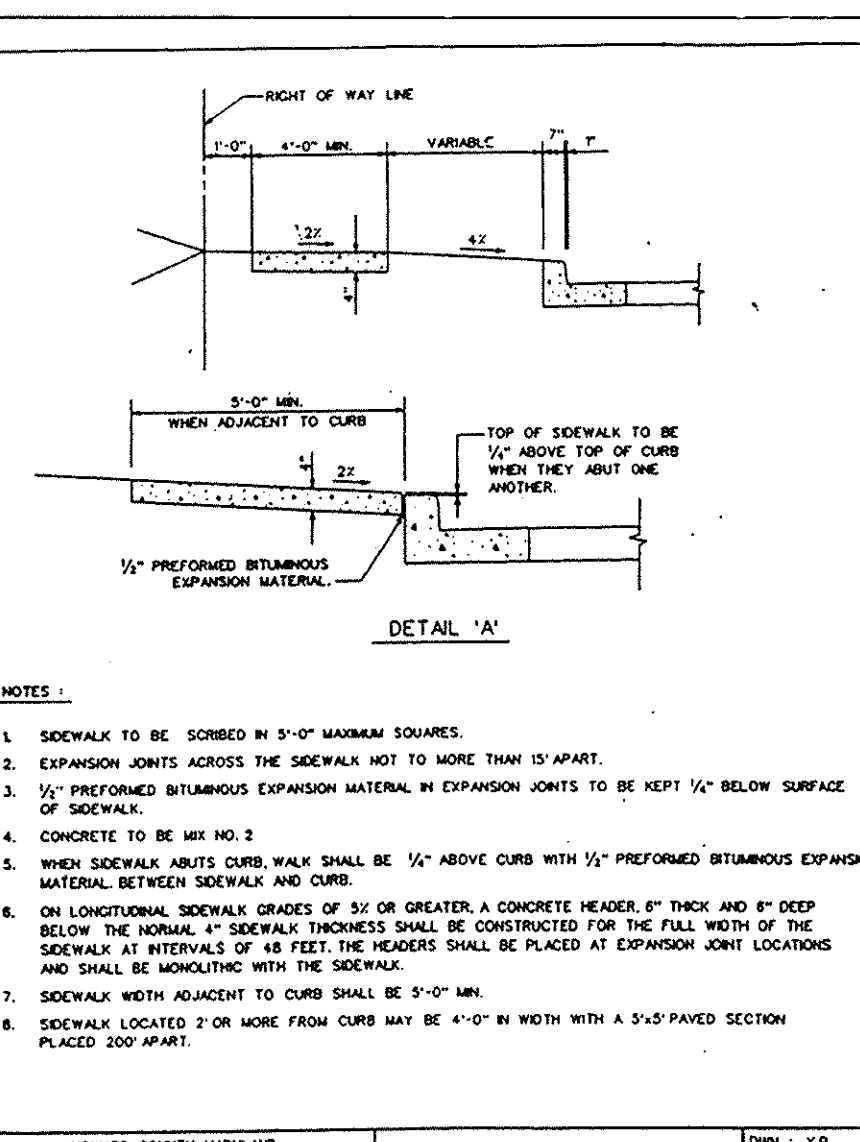
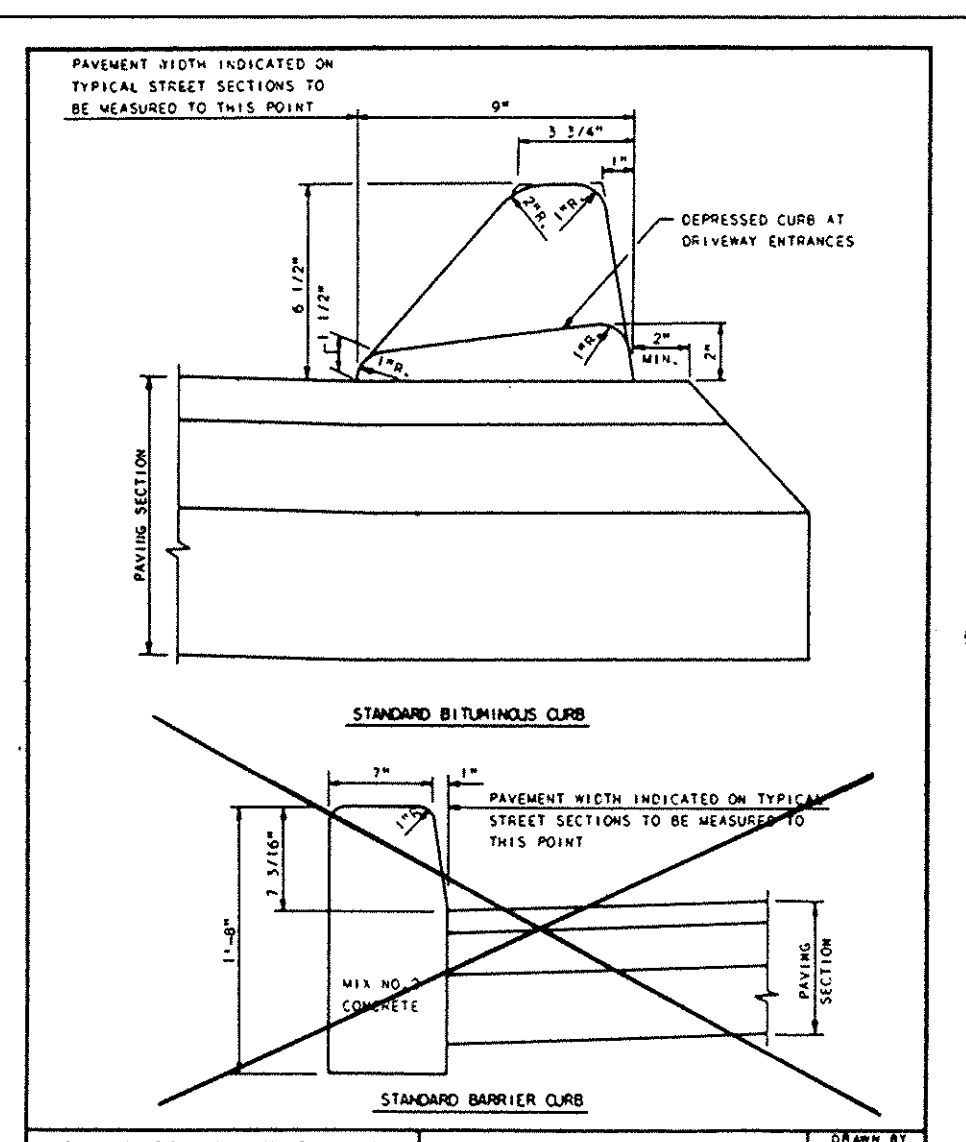


LDE, INC.
 9250 Rumsey Road, Suite 106, Columbia, MD 21045
 (410) 715-1070 • (301) 596-3424 • (410) 715-0681 (fax)

Designed: 504	ROSLYN COURT Plan & Profile SCOTT ACRES A Resubdivision of Lots 5, 6 and 7 Lots 10-32 Tax Map No. 35 FID Parcel 353 5th Election District Howard County, Maryland Previous Submittals: F77-112, B880-08, B883-11E, 595-12, P94-03, NP94-96 OWNER/DEVELOPER LOT 1 IMPROVEMENT CORP. 8835 P Columbia 100 Pkwy. Columbia, MD 21045	Scale: 1" = 50'
Drawn: E.D.B.		Sheet: 4 of 12
Checked: 808		LDE Job No: 94-161
Date: Jan. 1996		File No: F96-105



SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	CONCRETE BASE ALTERNATES
P-1	APARTMENTS AND INDUSTRIAL ZONES WITH NO TRUCKS	1" BIT. CONC. SURFACE 4" BIT. CONC. BASE	3" BIT. CONC. SURFACE 4" BIT. CONC. BASE
P-2	LOCAL COLLECTOR STREETS AND PRIVATE ROADS SERVING INDIVIDUAL TRACTS	1 1/2" BIT. CONC. SURFACE 4" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 4" BIT. CONC. BASE
P-3	TRAVELWAYS APARTMENTS AND INDUSTRIAL ZONES WITH HEAVY TRUCKS	1 1/2" BIT. CONC. SURFACE 4" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 4" BIT. CONC. BASE
P-4	TRAVELWAYS APARTMENTS AND INDUSTRIAL ZONES WITH HEAVY TRUCKS	1 1/2" BIT. CONC. SURFACE 4" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 4" BIT. CONC. BASE
P-B	PAVED SHOULDER FOR ALL ZONES AND ROAD CLASSIFICATIONS	1 1/2" BIT. CONC. SURFACE 4" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 4" BIT. CONC. BASE



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] Chief, Division of Land Development and Research
Date: 8/30/96

[Signature] Chief, Development Engineering Division
Date: 8/31/96

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

[Signature] Chief, Bureau of Highways
Date: 8-27-96

ENGINEER'S CERTIFICATE

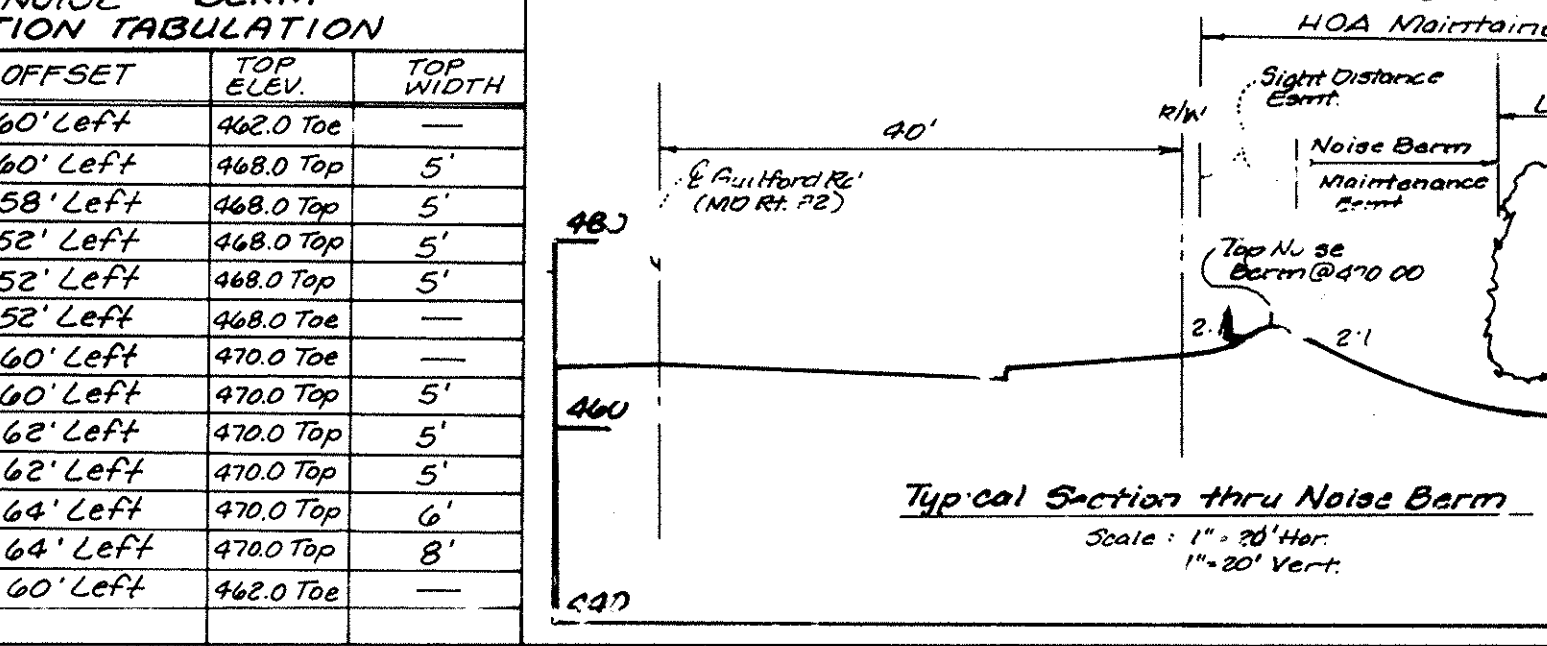
I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District and I have notified the developer that he/she must engage a professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by Howard Soil Conservation District.

[Signature] Bruce D. Burton
Date: 8/15/96
Signature of Engineer

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

[Signature] [Signature]
Date: 4/15/96
Signature of Developer



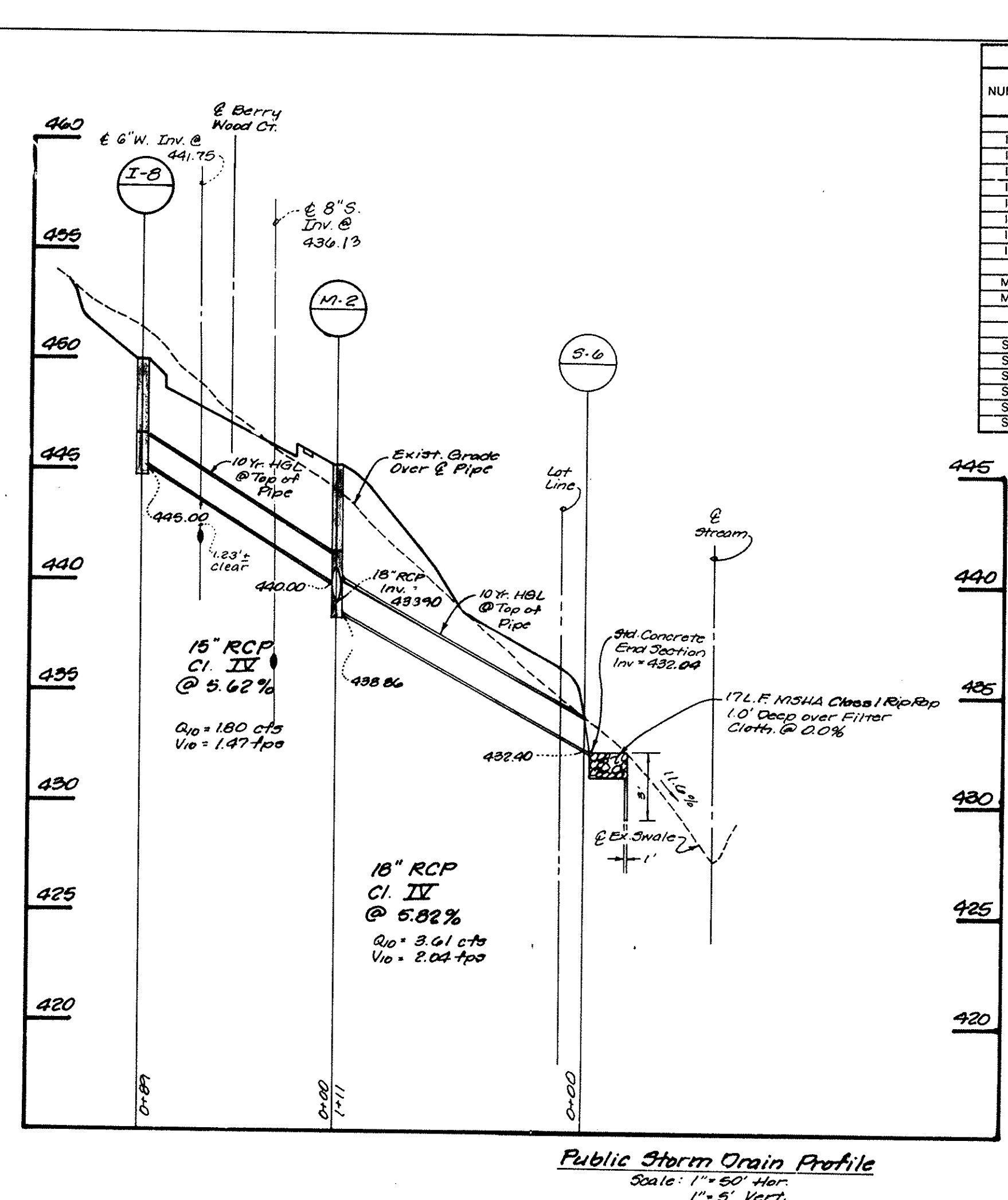
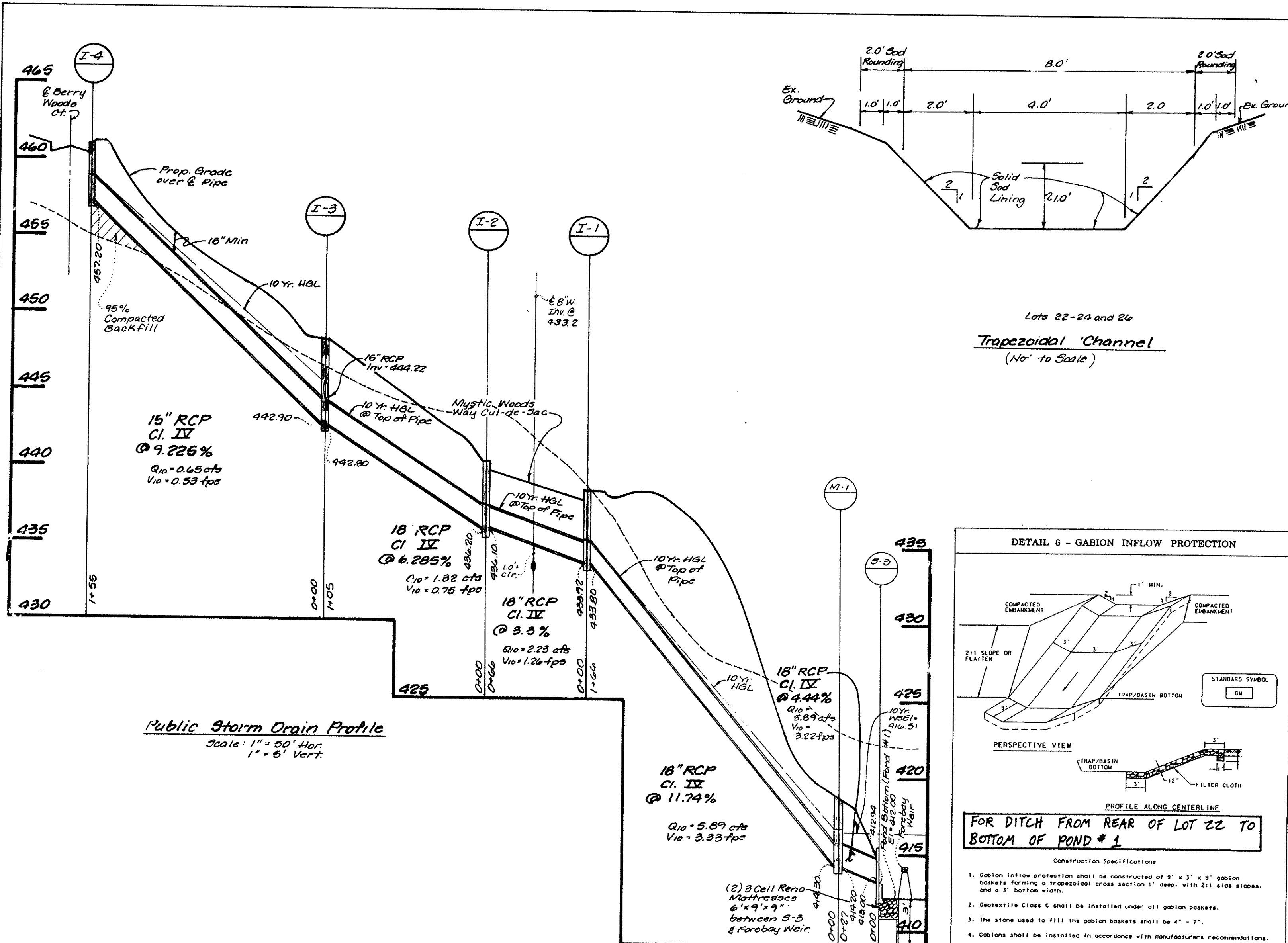
LDE, INC.

9250 Rumsey Road, Suite 106, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED	ROAD DETAILS AND LANDSCAPE DETAILS	SCALE
S.D.H.	SCOTT ACRES	As Shown
DRAWN	A Resubdivision of Lots 5, 6 and 7	DRAWING
E.D.B.	Lots 10-32	5 of 12
CHECKED	Previous Submittals: F 77 111; EA 90-05; DAB 0-111; 395-12; Tax Map 35 P/O Parcel 353	JOB NO.
B.D.B.	5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	94-161
DATE	Owner/Developer	FILE NO.
Jan. 1996	LOT 1 IMPROVEMENT CO. P 5895 P Columbia 100 Pkwy Columbia, MD 21045	F96-106

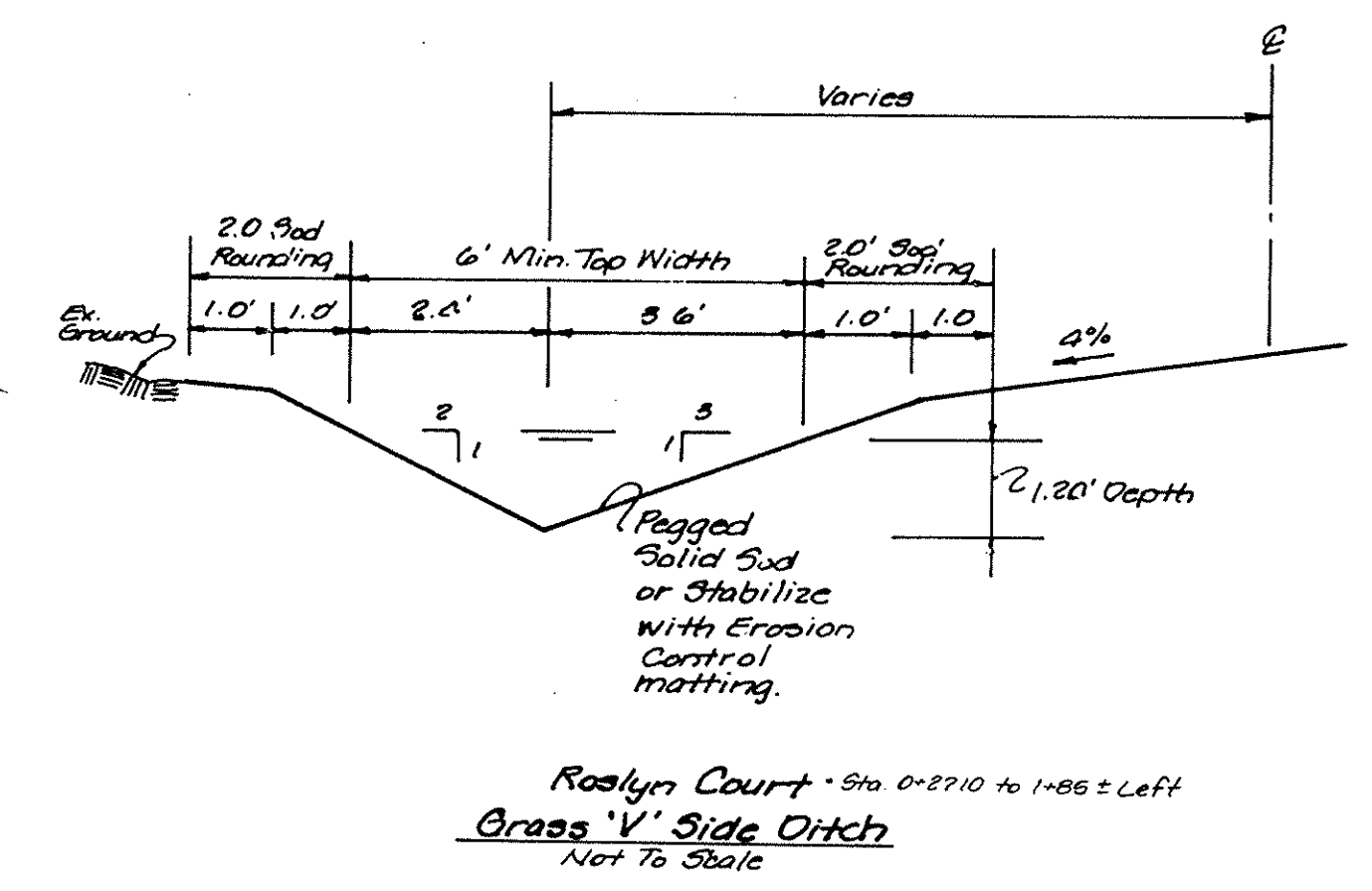
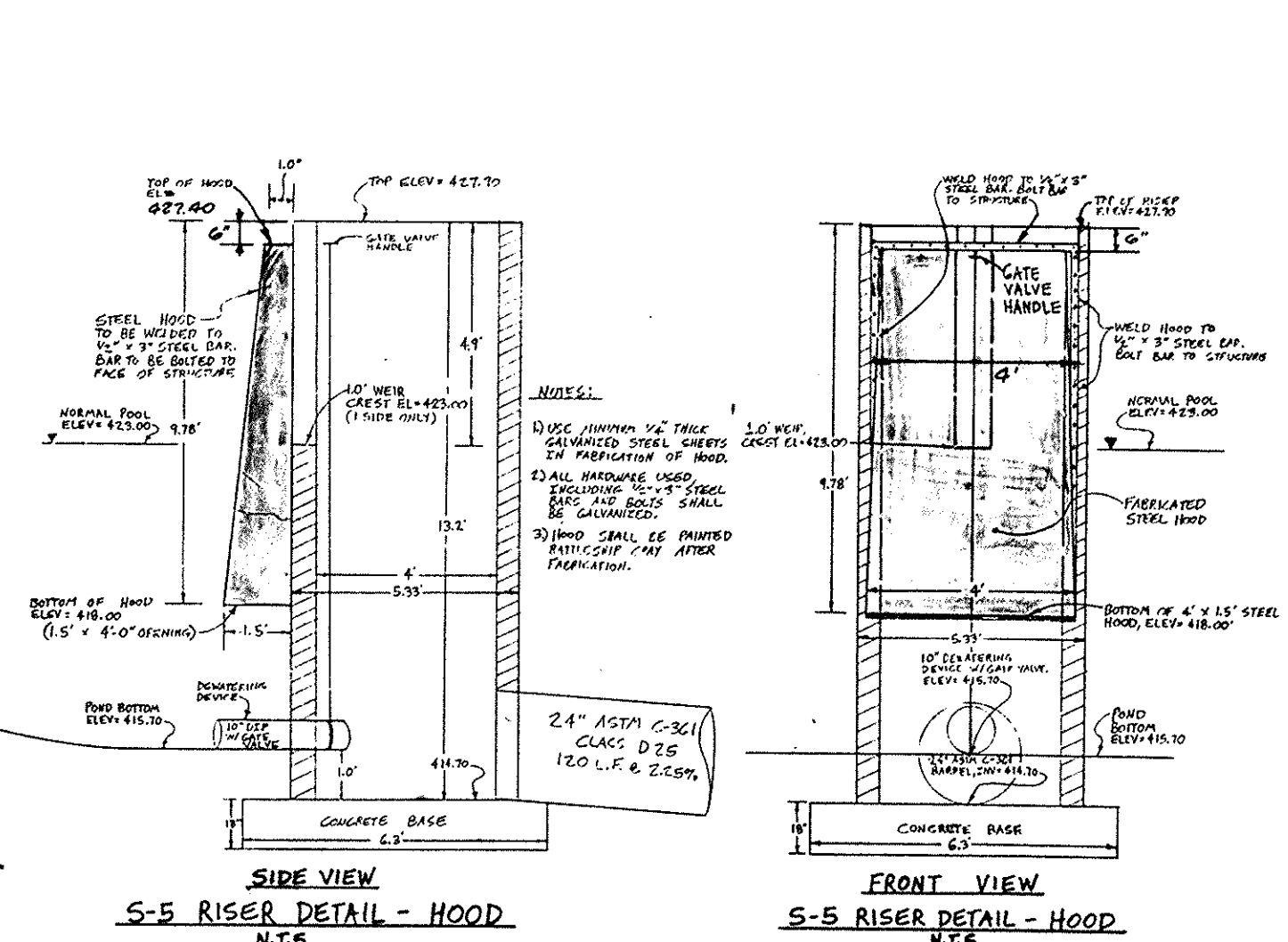
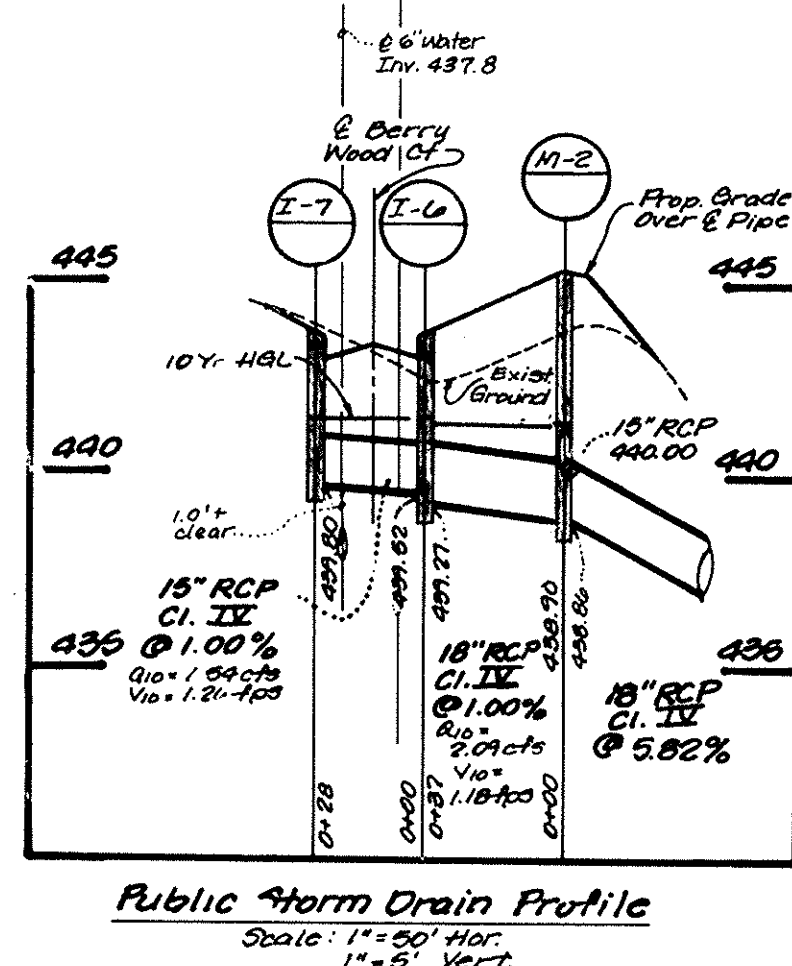
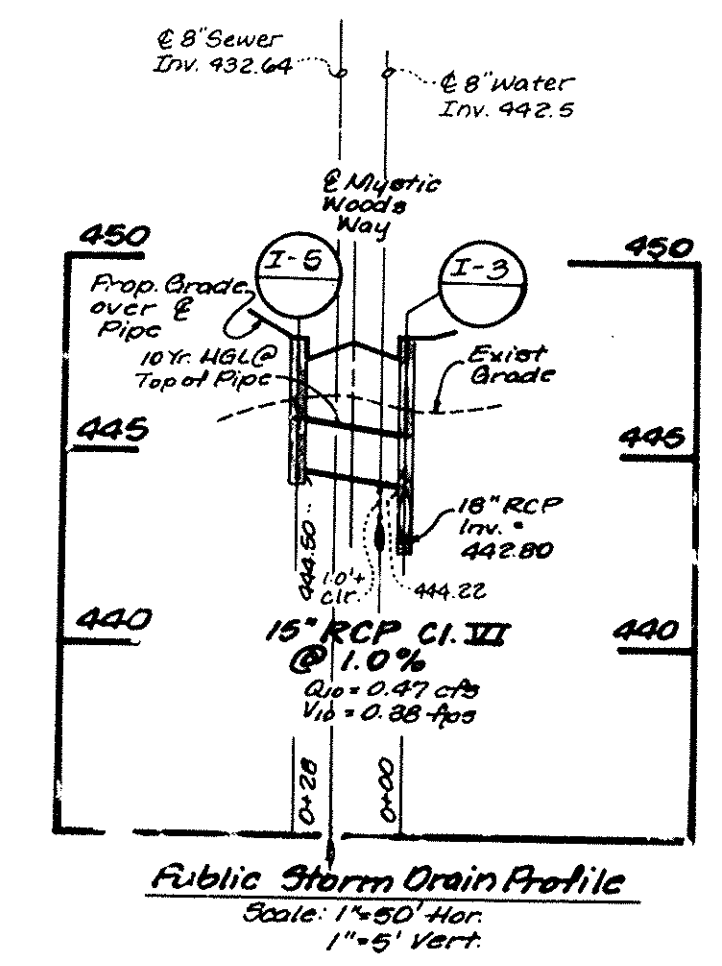
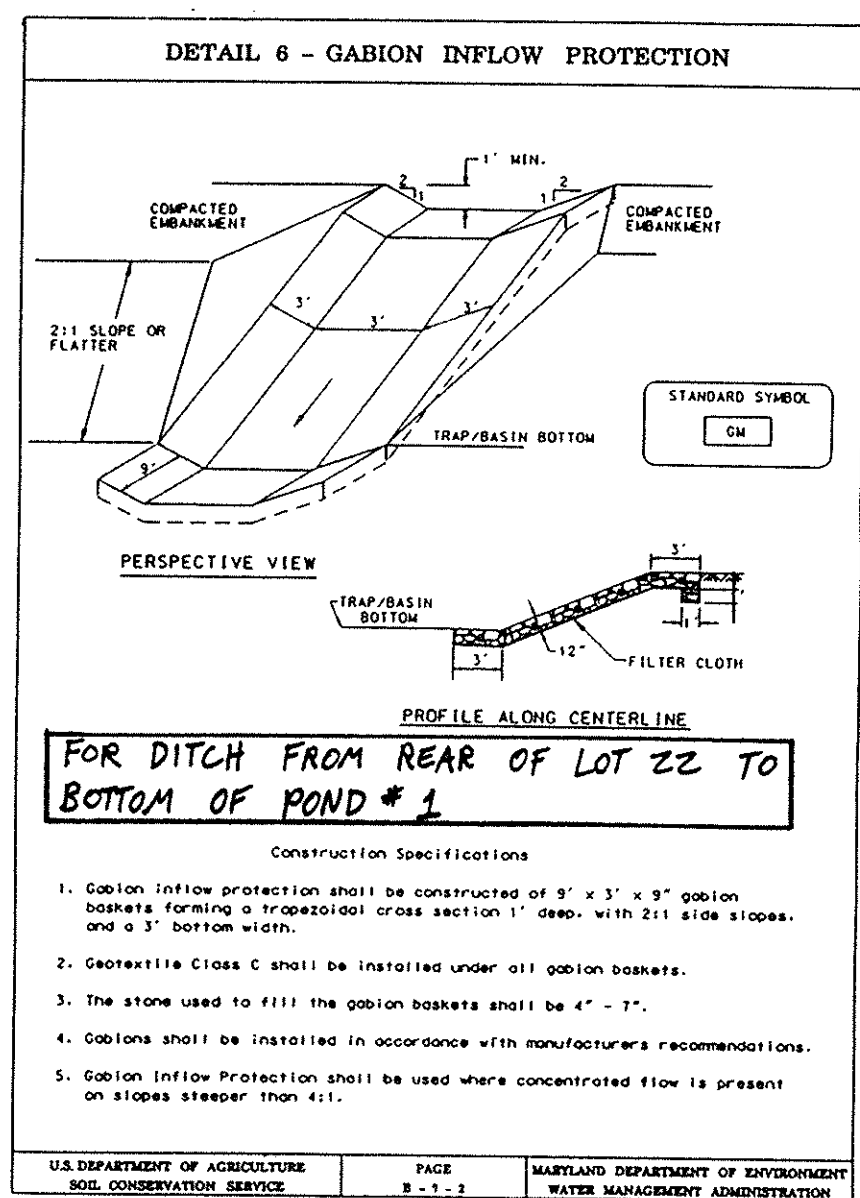
John R. Blanton
District

6281



STRUCTURE SCHEDULE							
NUMBER	TYPE	INV. IN	INV. OUT	UPPER	LOWER	DETAIL	LOCATION
I-1	A-10	434.0	433.92	433.80	438.55	SD 4.02	Mystic Woods Cul-de-Sac, IP STA 1 - 28.85
I-2	A-10	436.20	436.10	440.88	440.32	SD 4.02	Mystic Woods Cul-de-Sac, IP STA 0 - 38.23
I-3	A-5	444.22	442.9	442.80	447.57	SD 4.01	Mystic Woods, STA 1 - 78.00, 12' Right
I-5	A-5	.....	444.50	448.22	447.39	SD 4.01	Mystic Woods, STA 1 - 78.00, 12' Left
I-4	A-5	.....	457.20	461.21	460.46	SD 4.01	Berry Wood Ct, STA 1 - 79.00, 12' Right
I-6	A-5	439.52	439.27	443.63	443.40	SD 4.01	Berry Wood Ct, STA 4 - 33.67, 12' Right
I-7	A-10	.....	439.80	443.84	443.42	SD 4.02	Berry Wood Ct, STA 4 - 33.67, 12' Left
I-8	A-10	.....	445.00	450.35	449.56	SD 4.02	Berry Wood Ct, STA 3 - 14.67, 12' Left
M-1	SHALLOW MANHOLE	414.30	414.20	418.70	.....	G. 5.12	N. 554317.08 E. 1325258.94
M-2	STD MANHOLE	440.0	438.90	438.86	445.40	G. 5.12	Berry Wood Ct, STA 3 - 97.69, 19' Right
S-1	TYPE 'C' ENDWALL	406.83	406.63	409.38	.....	SD 5.21	N. 554410.864 E. 1335466.112
S-2	SEE DETAIL	412.00	412.00	417.33	.....	Sheet 7	N. 554255.607 E. 1335400.00
S-3	TYPE 'C' ENDWALL	413.00	412.94	415.19	.....	SD 5.21	N. 554231.44 E. 1335283.84
S-4	TYPE 'C' ENDWALL	412.06	412.00	414.25	.....	SD 5.21	N. 554438.90 E. 1335176.71
S-5	SEE DETAIL	415.70	414.70	427.90	.....	Sheet 7	N. 992678.800 E. 1335074.853
S-6	CONCRETE END SEC	432.40	432.04	433.38	.....	SD 5.51	N. 554230.37 E. 1334942.07

NOTE: LOCATIONS GIVEN ARE TO THE CENTERPOINT OF EACH STRUCTURE.



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. Zickman 8/16/96
Natural Resource 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. Zickman 8/16/96
Howard Soil Conservation District Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Richard Blood 8/23/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

William Dammann 8/30/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

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

Andrew M. Damsch 8-27-96
CHIEF, BUREAU OF HIGHWAYS DATE

ENGINEER'S CERTIFICATE

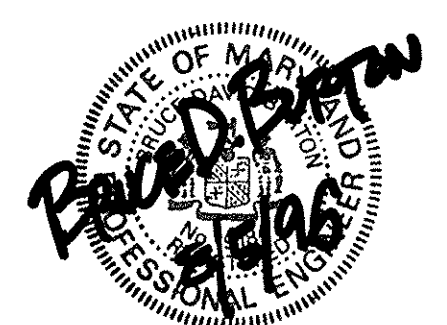
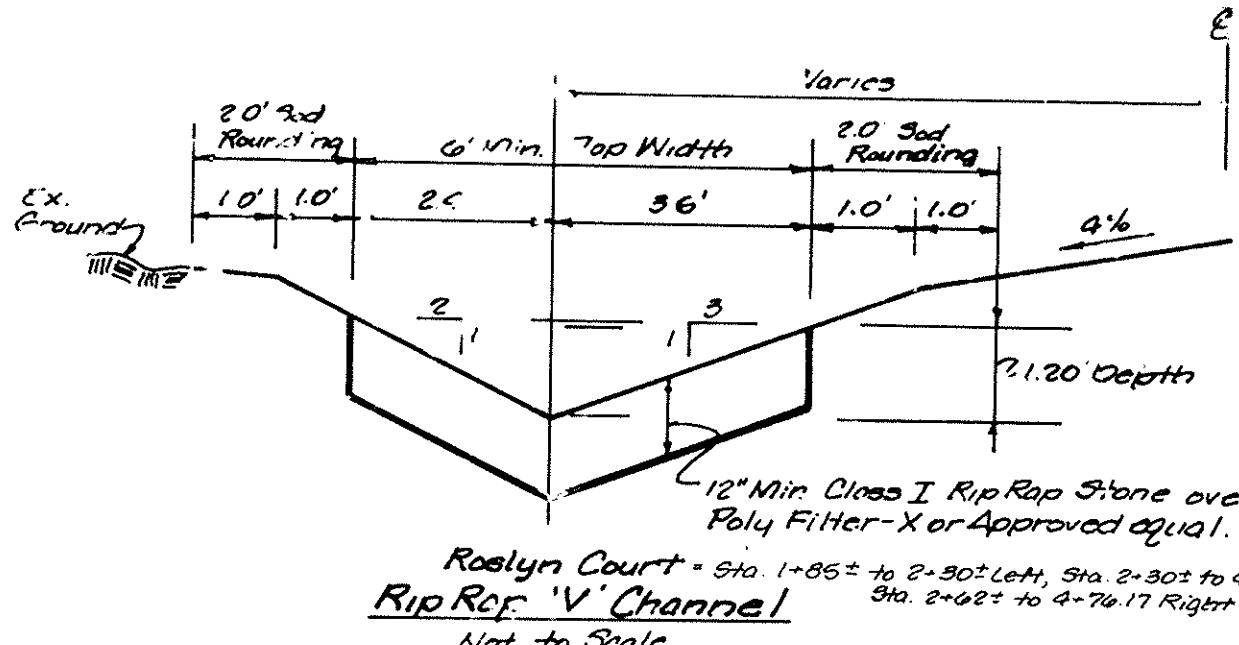
I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the operator that he/she must engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

Bruce D. Barton 8/5/96
Signature of Engineer Date

DEVELOPER'S CERTIFICATE

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

Robert W. Zickman 8/16/96
Signature of Developer Date

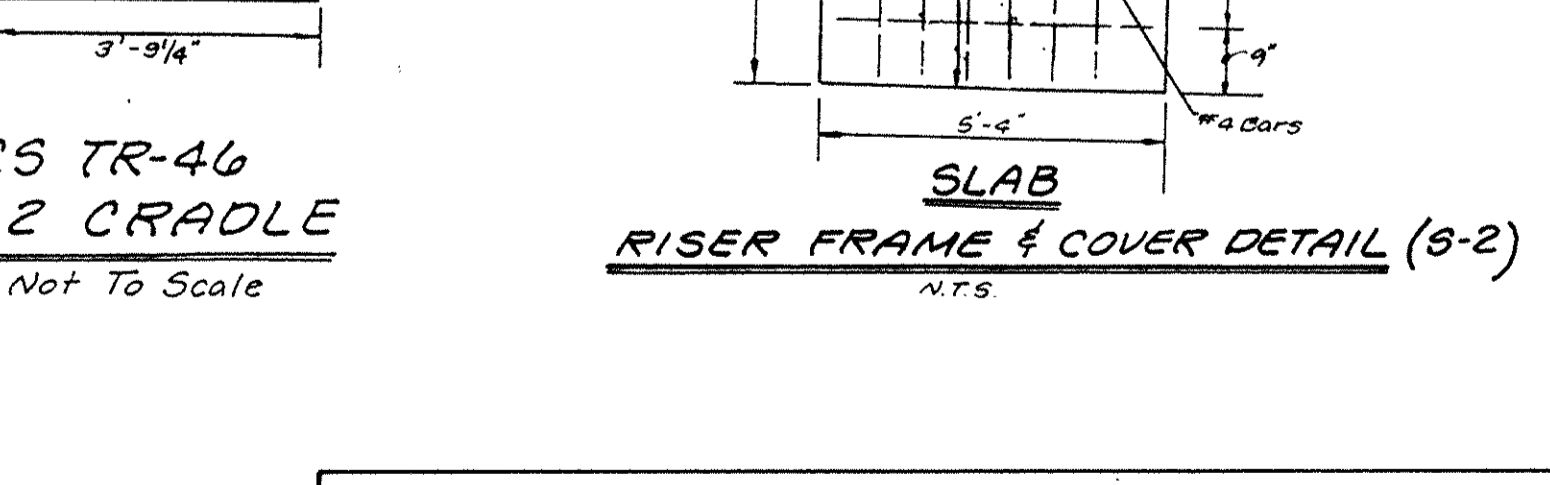
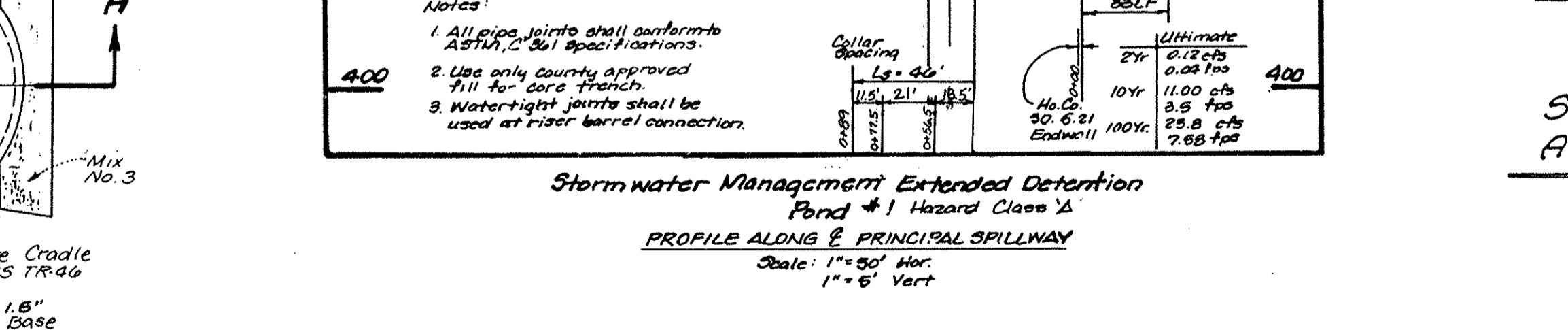
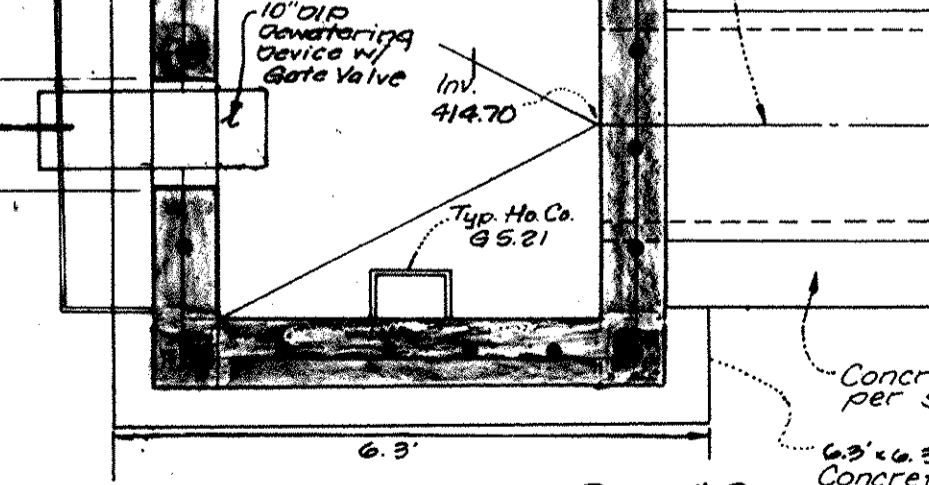
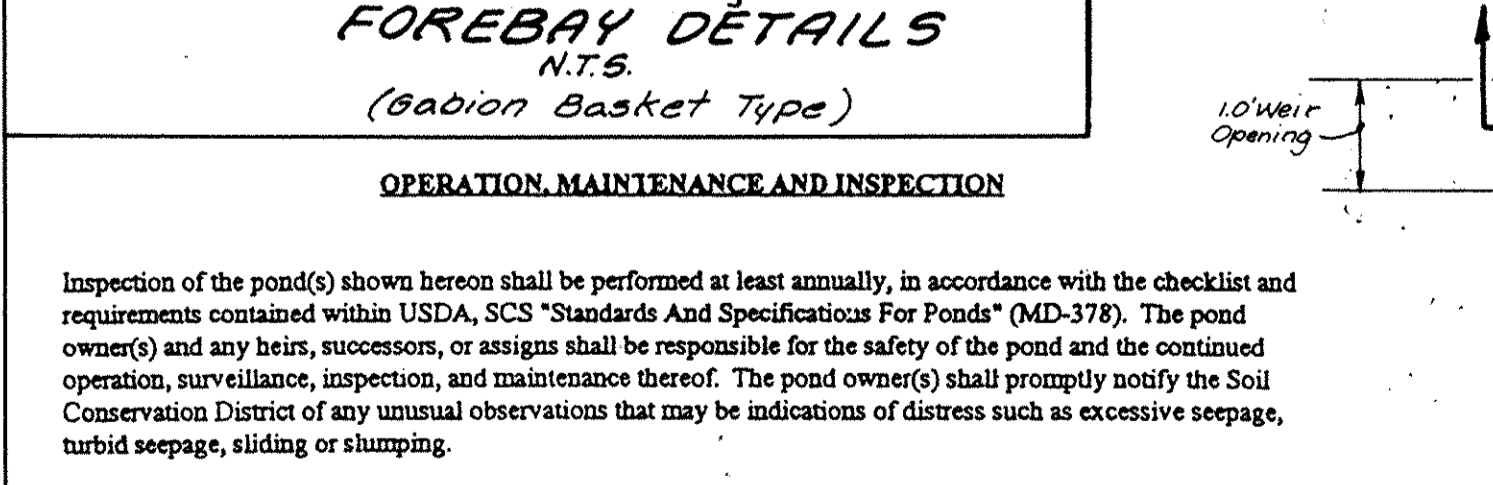
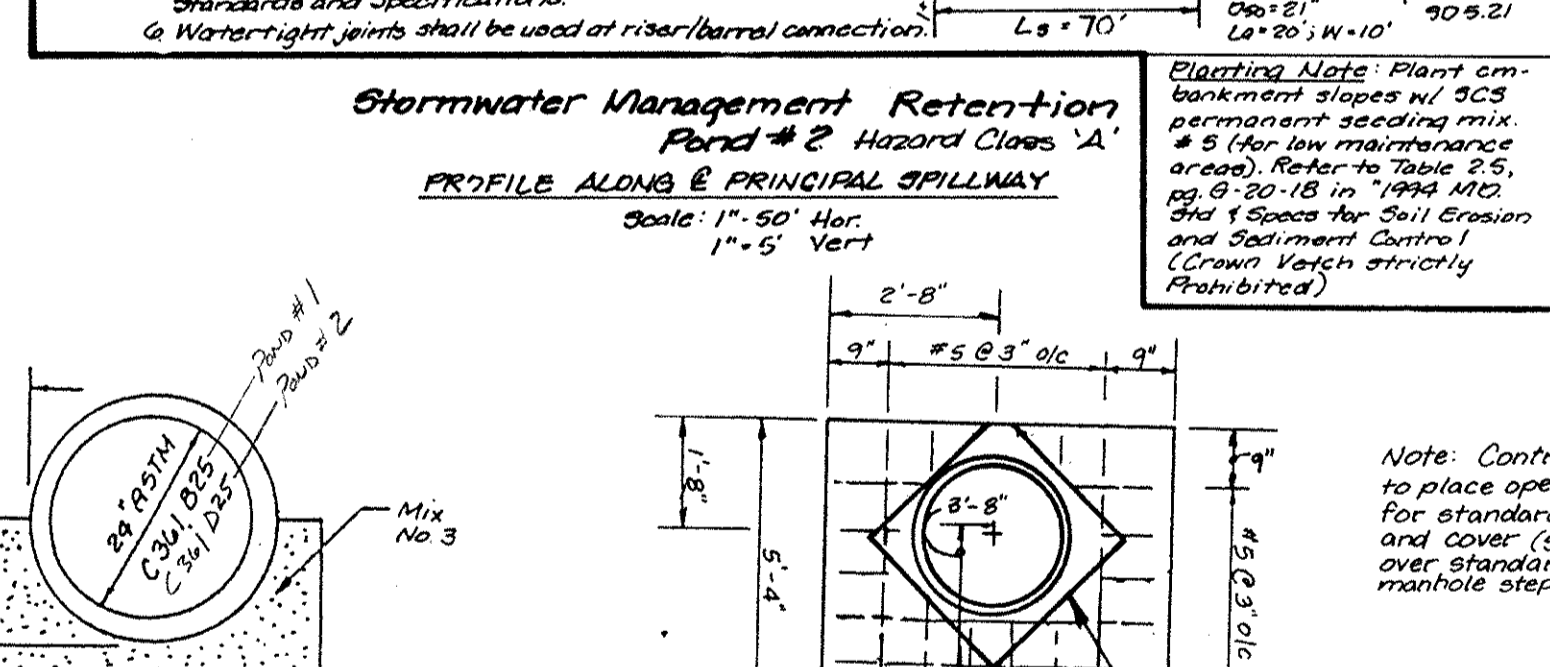
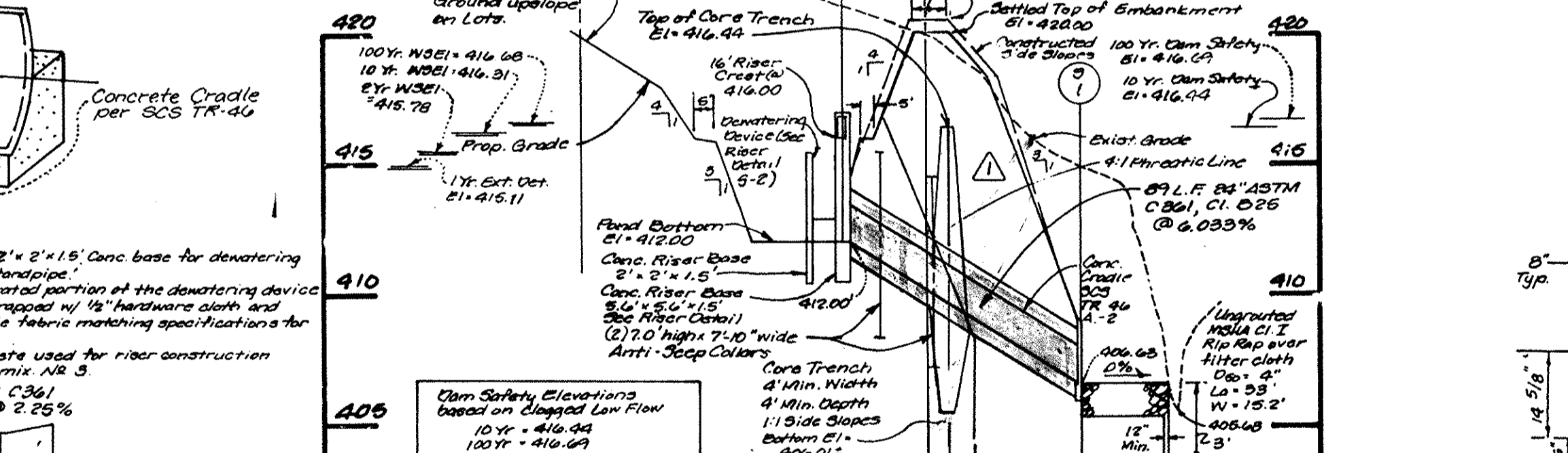
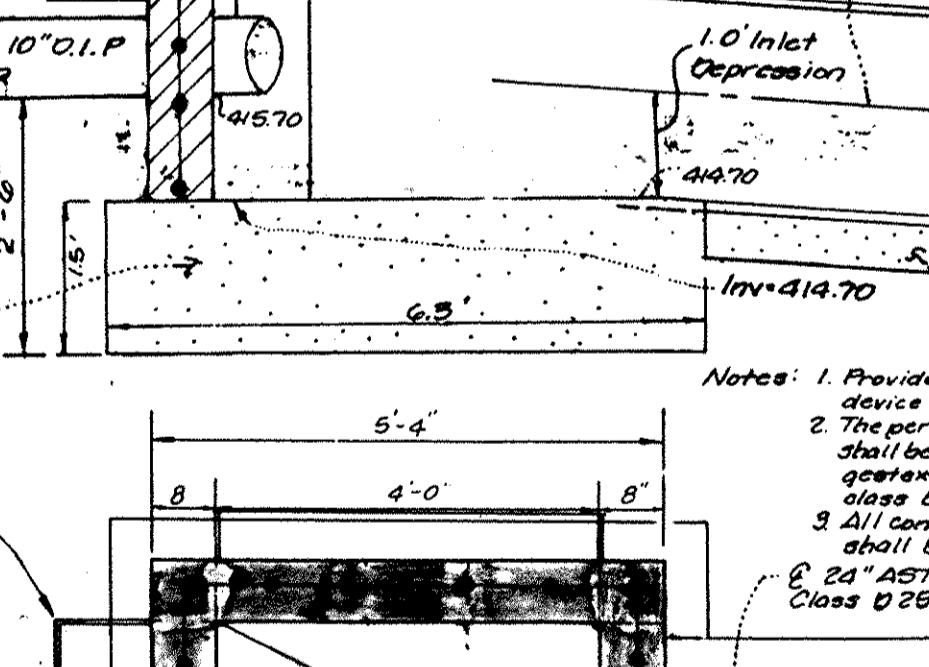
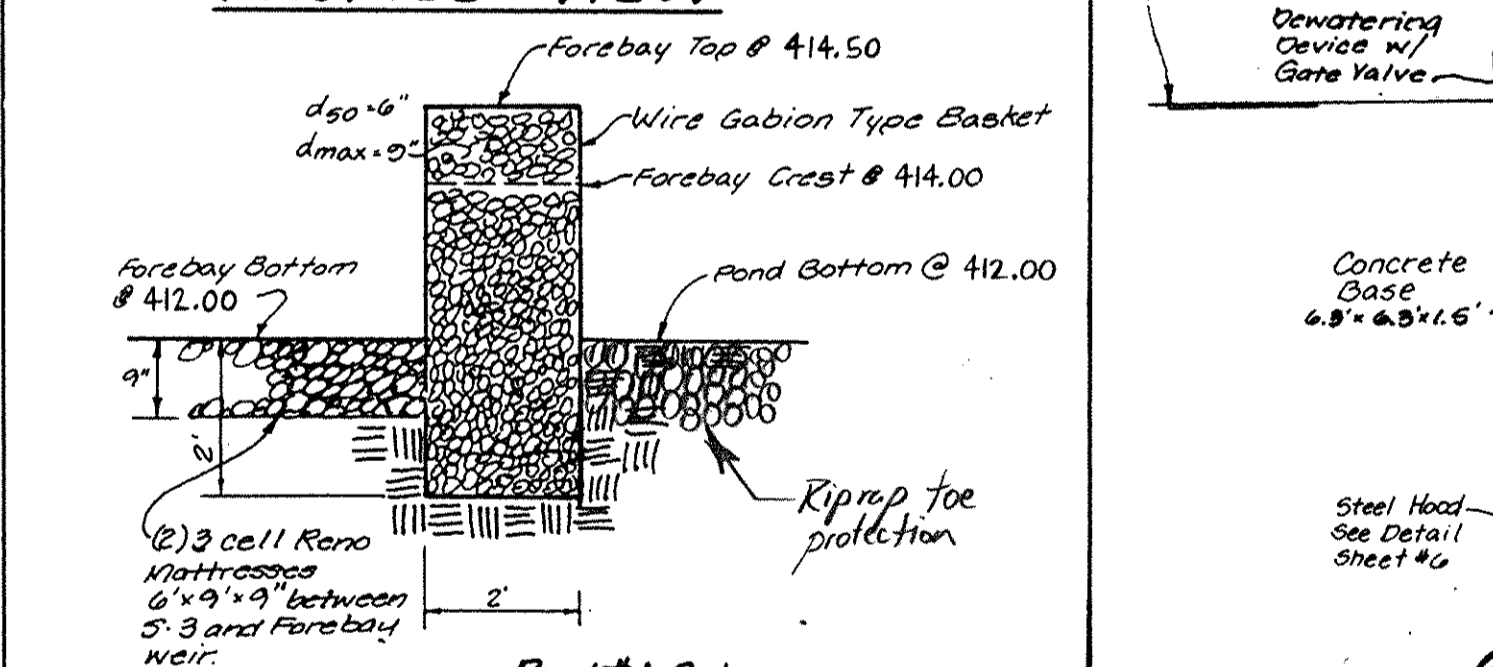
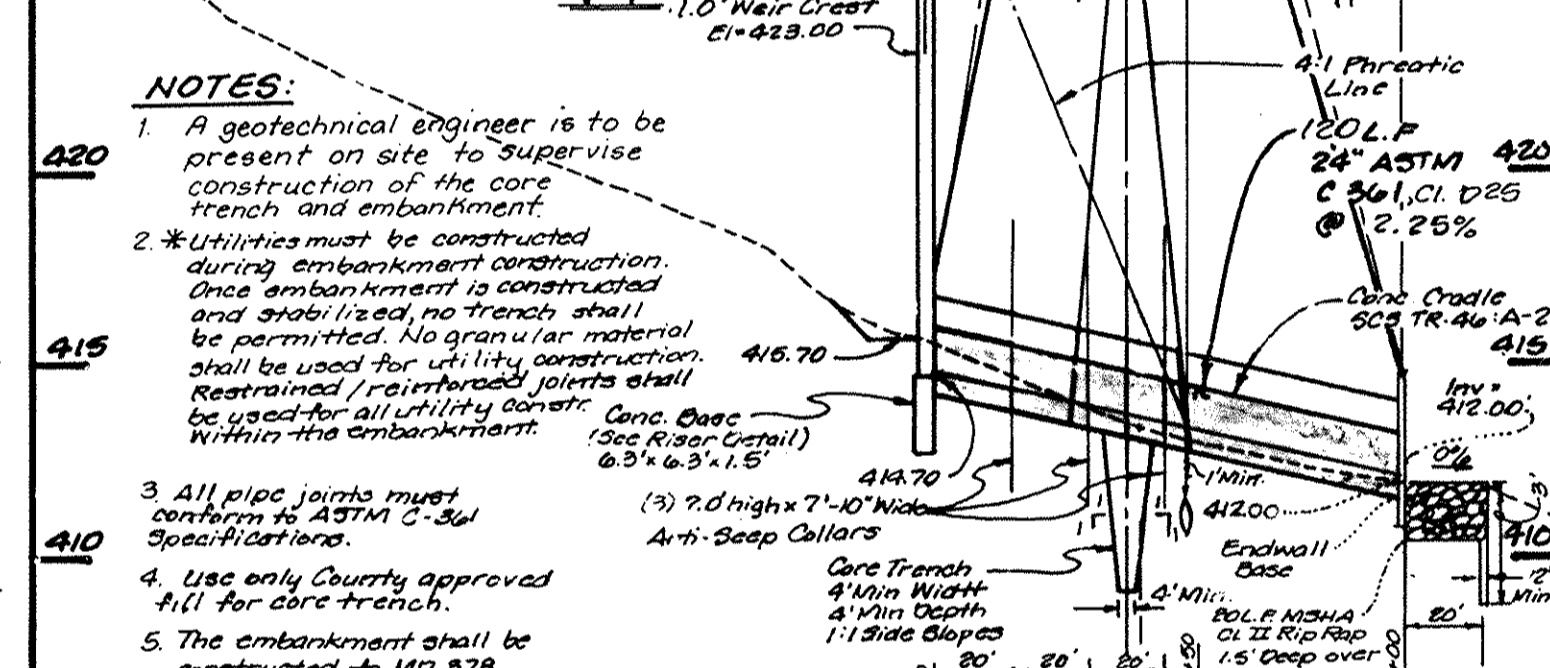
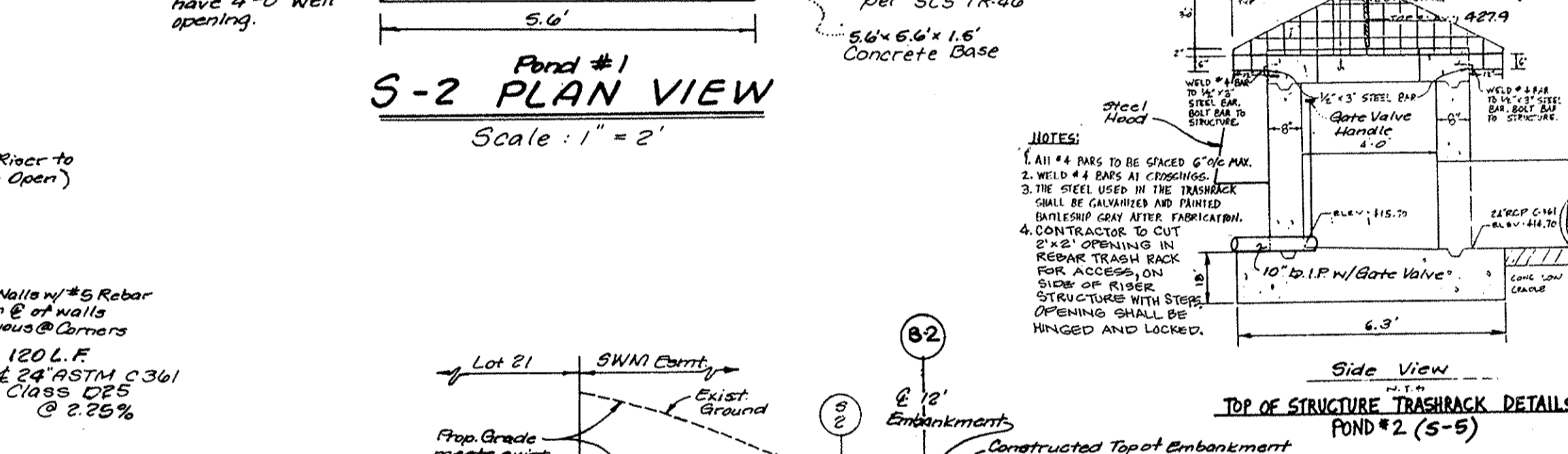
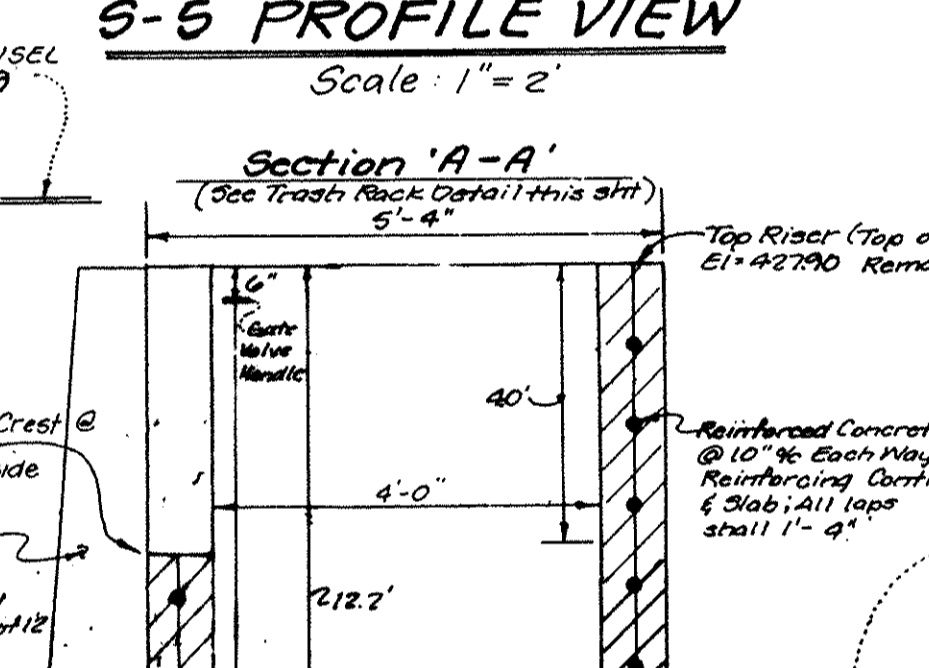
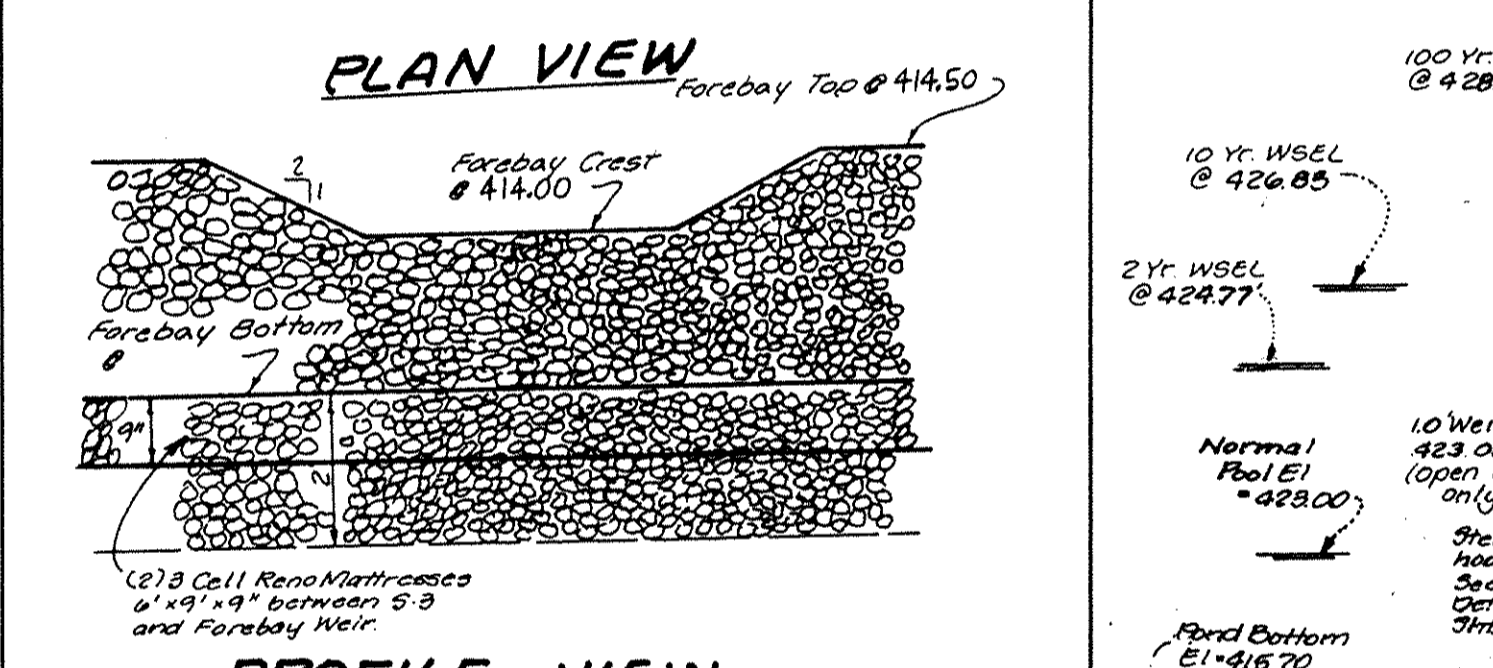
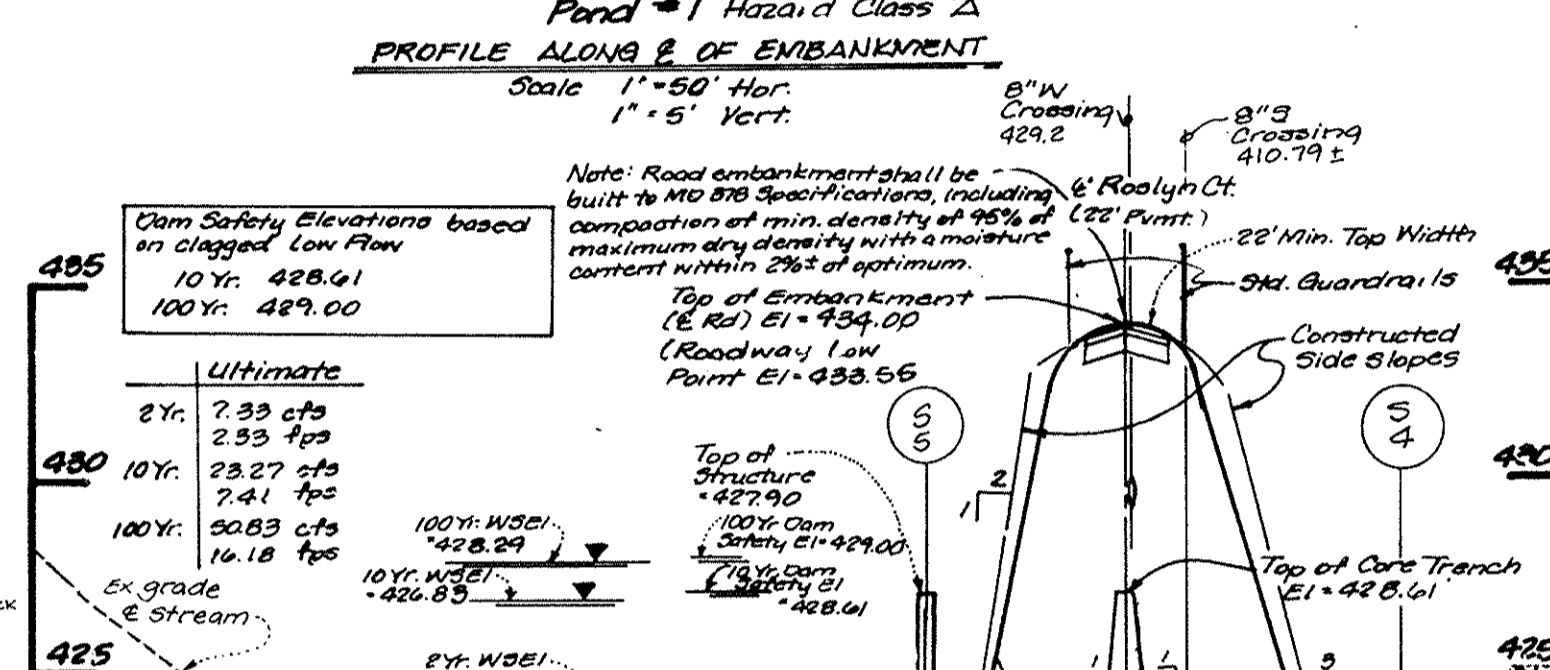
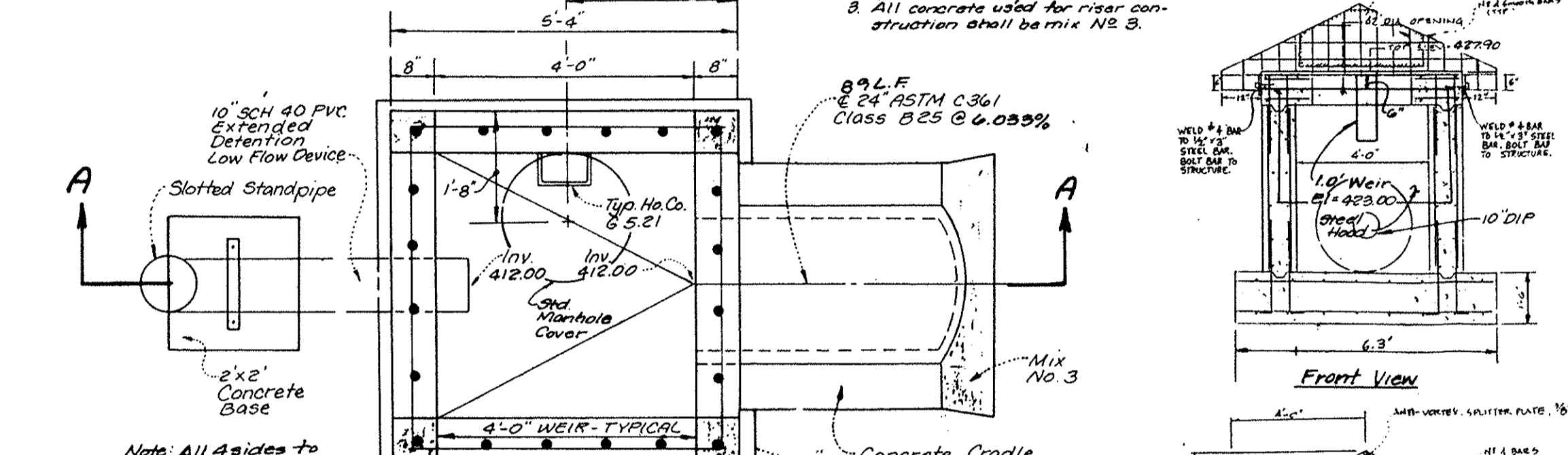
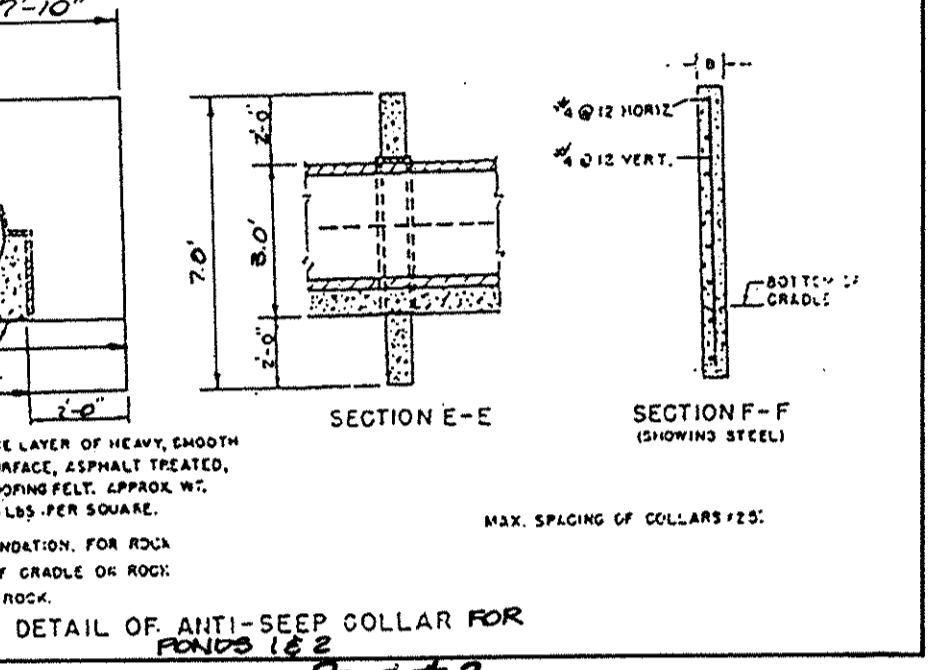
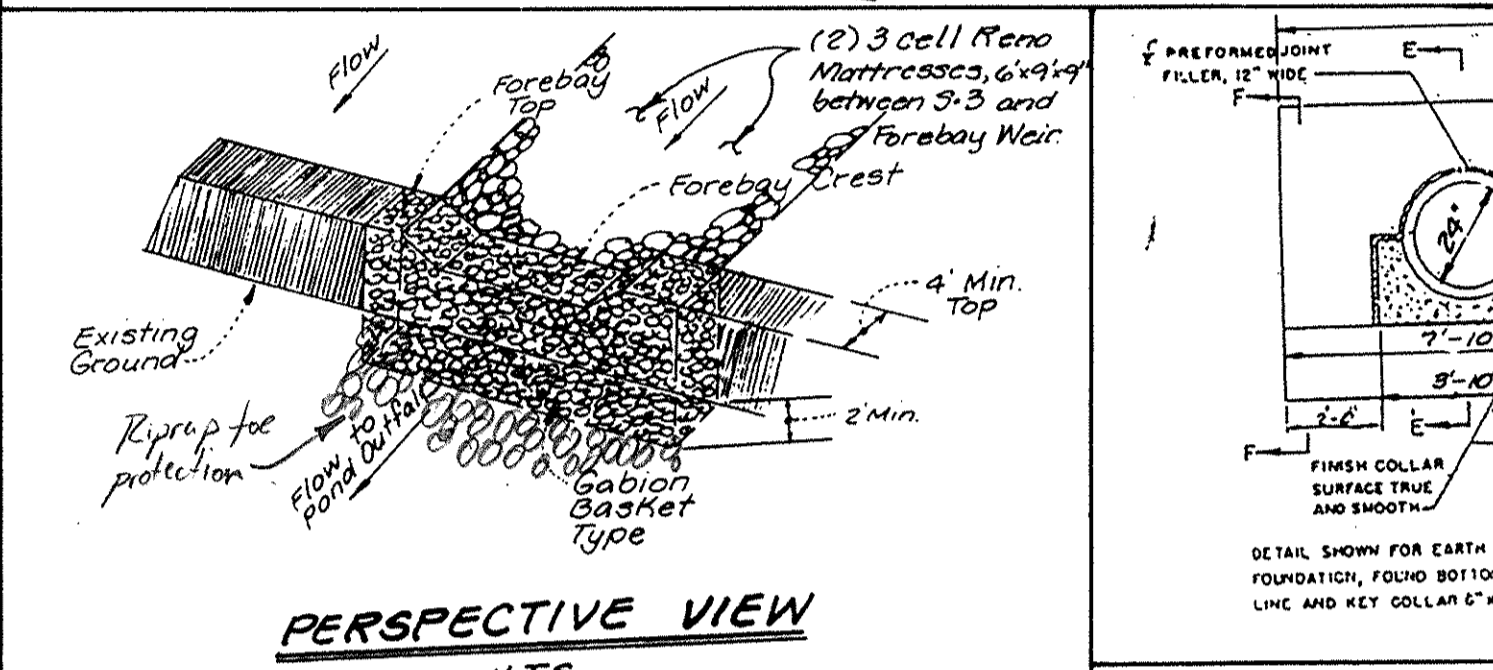
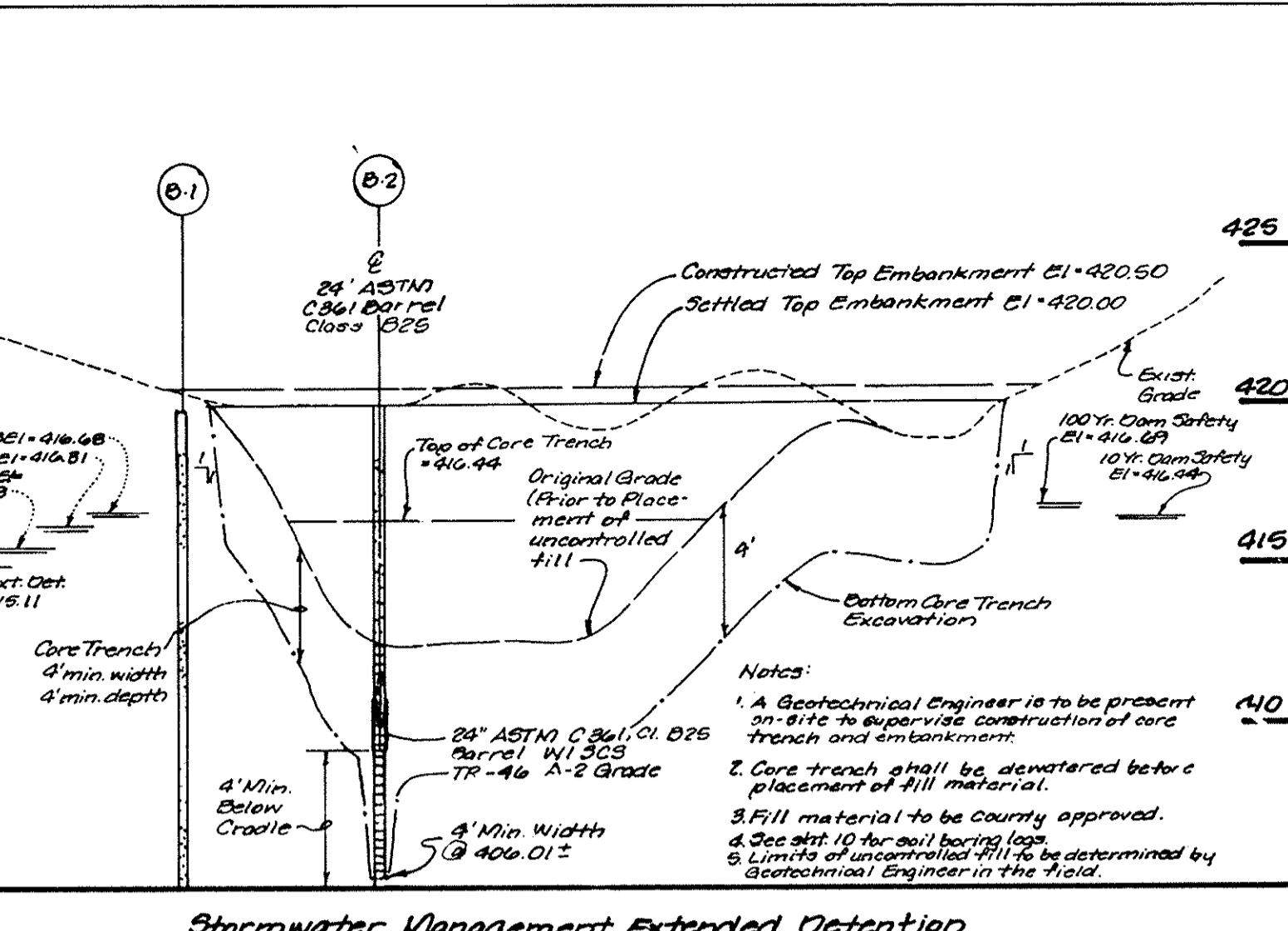
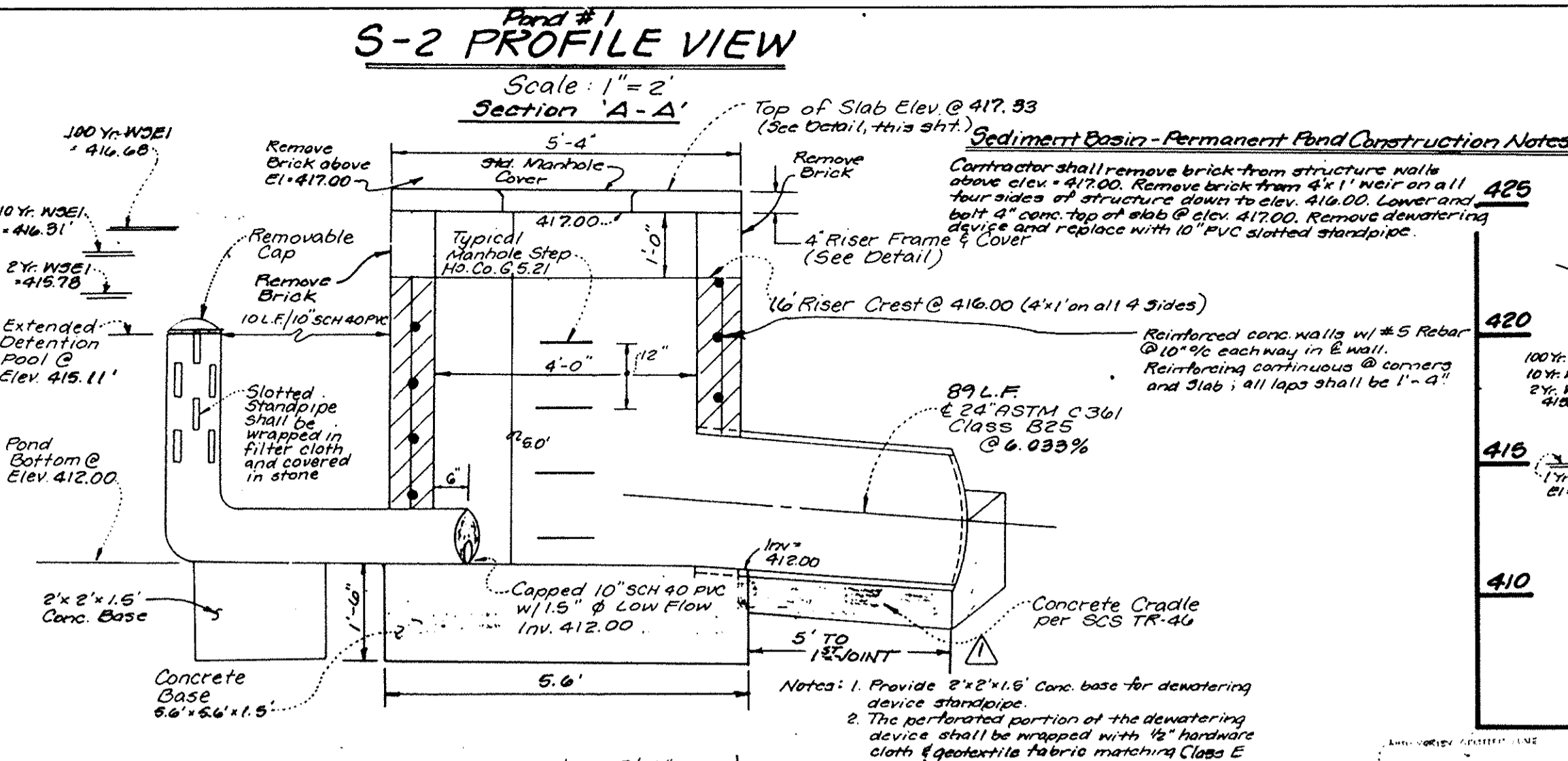
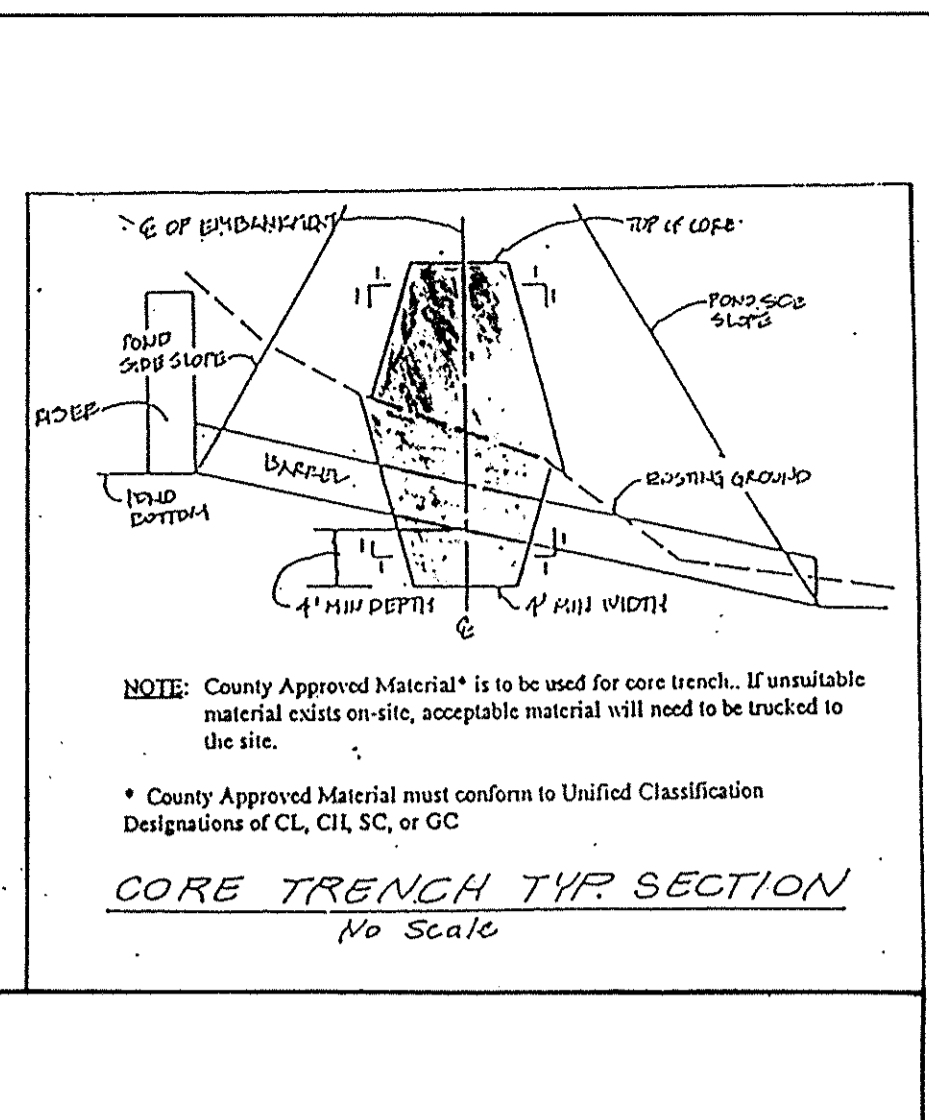
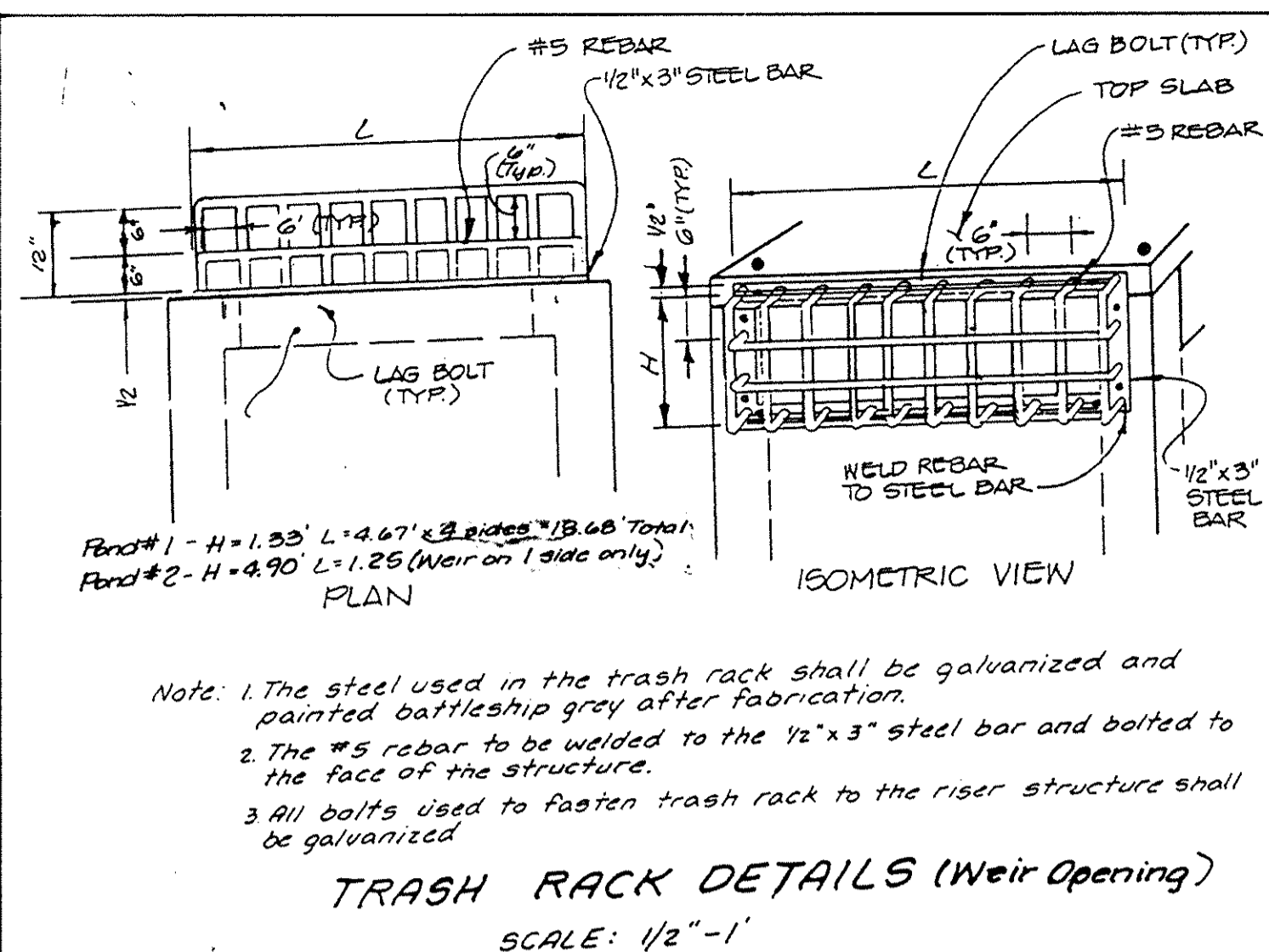


LDE, INC.
9250 Rumsey Road, Suite 106, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED: S.D.H. SCALE: As Shown
DRAWN: BEI DRAWING: 6 of 12
CHECKED: B.D.B. JOB NO.: 94-161
DATE: Jan. 1996 Owner/Developer: P/O Parcel 353 WPA-96, 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
FILE NO.: F96-105

Lot 1 Improvement Corp.
2035 Columbia 100 Freeway Unit F
Columbia, Maryland 21046

6281



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Richard Blood 8/30/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

Andrew M. Donello 8-27-96
CHIEF, BUREAU OF HIGHWAYS

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. Zich 8/16/96
Natural Resource Conservation Service

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

Robert W. Zich 8/16/96
Howard Soil Conservation District

S-5 PLAN VIEW
Hor: Scale: 1" = 2'; No Vert

REVISION

BY	NO	DESCRIPTION	DATE
LDE	1	REVISE SPILLWAY & S-2 PROFILE VIEWS	6-24-97

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE NEEDED SOL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

Bruce D. Burton 8/5/96
SIGNATURE OF ENGINEER

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 THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I SHALL ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY HOWARD SOIL CONSERVATION DISTRICT.

John P. Linn 8/15/96
SIGNATURE OF DEVELOPER

LDE, INC.
9250 Rumsey Road, Suite 106, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED: S.D.H.
DRAWN: E.D.B.
CHECKED: B.D.B.
DATE: Jan. 1996

STORMWATER MANAGEMENT DETAILS

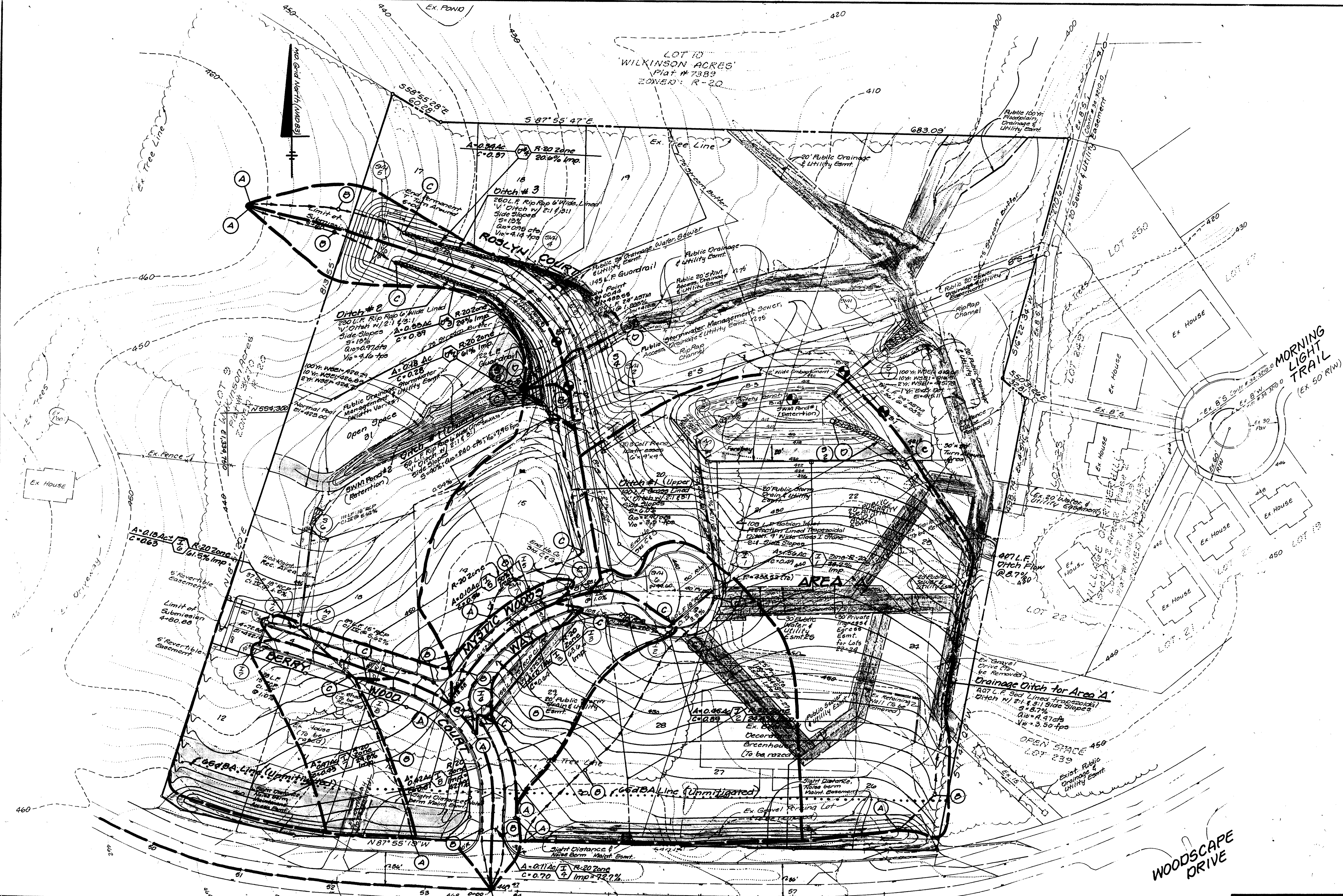
SCOTT ACRES
A Re subdivision of Lots 6, 6 and 7
Lots 10-32

PREVIOUS SUBMITTALS: F-7-117, 6-30-08, 5-4-91, 5-95-12, Tax Map 35 P/O Parcel 353 7/16/08 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER: LOT 1 IMPROVEMENT CORP. 0896 P. Columbia, MD. 21045

SCALE: As Shown
JOB NO: 7 of 12
JOB NO: 94-161
FILE NO: F96-105

18281



TIME OF CONCENTRATION FLOW PATH TABLE				
AREA OR TO USE	SEGMENT A-B	SEGMENT B-C	SEGMENT C-D	
A-1	100 @ 10%	200 @ 10%	400 @ 2.4% (G)	
A-2	100 @ 10.5%	180 @ 10.3%	180 @ 7% (G)	
A-3	25 @ 3%		180 @ 8.2% (G)	
A-4	50 @ 2%		140 @ 7% (G)	
A-5	50 @ 3%		140 @ 7% (G)	
A-6	50 @ 3%		190 @ 8.3% (G)	
A-7	100 @ 10%	100 @ 10%	100 @ 8.3% (G)	
A-8	50 @ 2%		230 @ 7.8% (G)	
AREA X	50 @ 27.3%		310 @ 8.7% (G)	
DITCH #1	50 @ 5%	50 @ 10%	140 @ 8.8% (G)	
DITCH #2	100 @ 7%	75 @ 23%	200 @ 13% (G)	
DITCH #3	100 @ 7%	75 @ 23%	200 @ 13% (G)	

SEGMENT A-B - OVERLAND FLOW
 SEGMENT B-C - SHALLOW CONCENTRATED FLOW
 SEGMENT C-D - GUTTER (OR DITCH) FLOW

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]
Natural Resource Conservation Date

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

[Signature]
Howard Soil Conservation District Date

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

CHIEF, BUREAU OF HIGHWAYS DATE

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

[Signature] 8-27-46
CHIEF, BUREAU OF HIGHWAYS DATE

ENGINEER'S CERTIFICATE

I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he/she must engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with a plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by Howard Soil Conservation District.

[Signature] 8/5/46
Signature of Engineer Date

DEVELOPER'S CERTIFICATE

I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by Howard Soil Conservation District.

[Signature] 8/15/46
Signature of Developer Date

Approved: Howard County Department of Planning and Zoning.

[Signature] 8/30/46
Chief, Division of Land Development & Research

[Signature] 8/20/46
Chief, Development Engineering Division



LDE, INC.
9250 Rumsey Road, Suite 106, Columbia, MD. 21045
(410) 715-1070 (301) 598-3424 (410) 715-9540 (Fax)

Designed: SOH Scale 1" = 50'

Drawn: E.A.B. Sheet 8 of 12

Checked: BOB LOC Job No. 91-161

Date: Jan. 1946 File No. F96-105

Drainage Area Map
SCOTT ACRES
A Resubdivision of Lots 6, 6 and 7
Lots 10-32
Tax Map No. 35 Parcel 353
5th Election District
Howard County, Maryland

Previous Submittals: F77-112, B480-08, B483-11F, 595-12, F96-03, W96-96

CONVERT DEVELOPER
LOT 1 IMPROVEMENT CORP.
8935 P. Columbia 100 Pkwy.
Columbia, MD. 21045

18281

Legend:

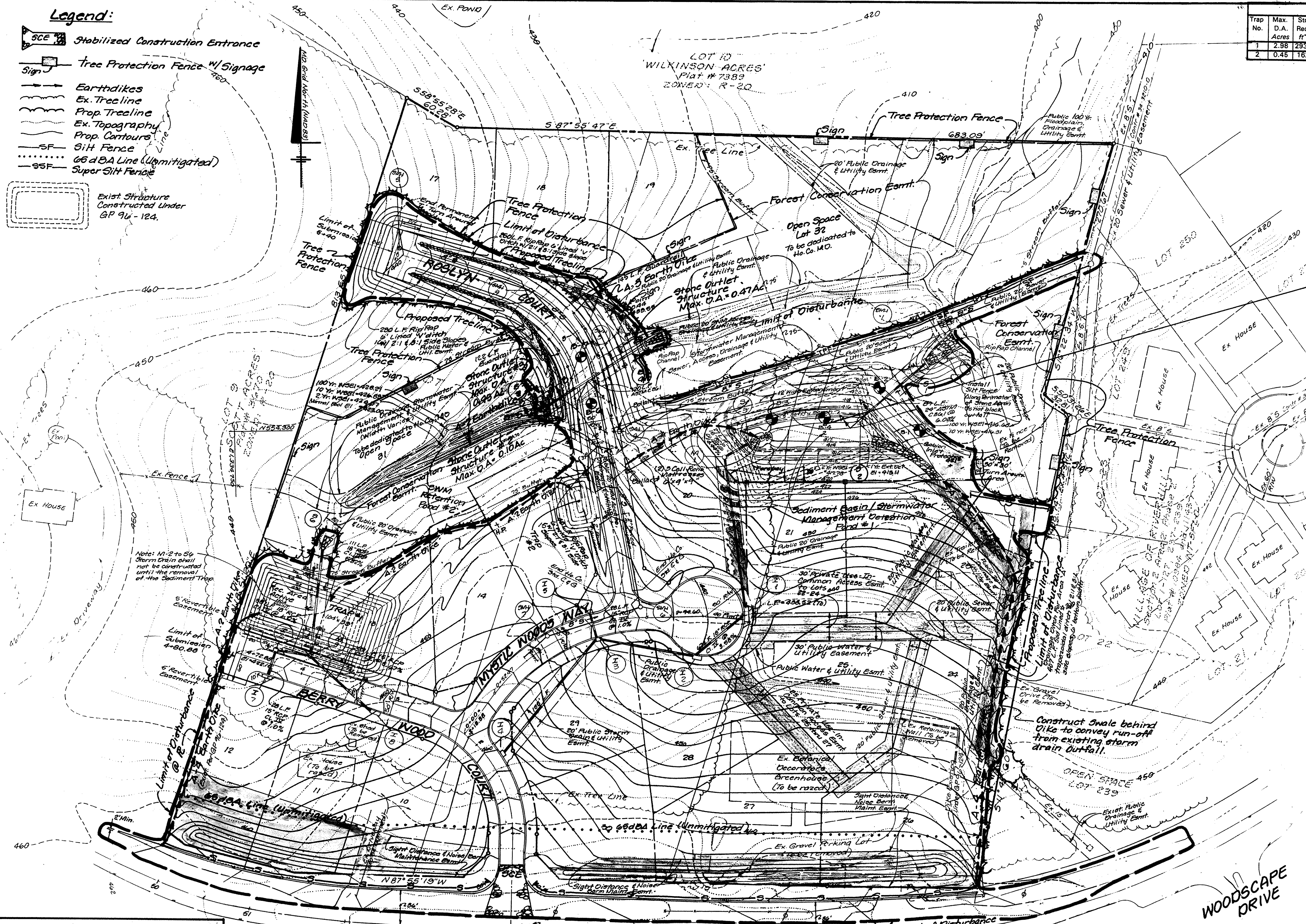
- SCE Stabilized Construction Entrance
- Tree Protection Fence w/ Signage
- Earthdikes
- Ex. Tree Line
- Prop. Tree Line
- Ex. Topography
- Prop. Contours
- Silt Fence
- 66 d BA Line (Unmitigated)
- Super Silt Fence
- Existing Structure Constructed Under GP 9U-124

Trap No.	Max. D.A. Acres	Stor. Req. ft ³	Stor. Prov. ft ³	Stor. Elev.	Weir Length ft.	Bottom Elev.	Crest Elev.	Top Elev.	Trap Size	Type	
1	2.98	29397	31608	436	6	430	433	436.5	438	104 x 33	ST-III
2	0.46	1620	1697	438	4	432	434	437	438	5' x 23'	ST-III

** Bottom Dimensions

Excavator Note: Contours shown on this plan as existing may be different than those encountered on the time roadway grading / construction commences. Refer to approved Grading Plan GP 9U-124 for interim contours. Contours shown as proposed on this Grading and Sediment Control Plan.

Note: See Sediment Basin Plan & Details, sht. 11 of 12 for temporary sediment basin construction details



SUMMARY TABLE

POND #1 (EXTENDED DETENTION/RETENTION POND)

HAZARD CLASSIFICATION "A"

DRAINAGE AREA = 4.02 Acres

YEAR	SWM POND		
	2 YEAR	10 YEAR	100
Total Existing Flow @ S.P. 'A'	(cfs) 19	65	127
Unmanaged Flow **	(cfs) 18	54	103
Allowable Release	(cfs) 2	11	—
Computed Inflow	(cfs) 7.9	16.3	25.9
Facility Discharge	(cfs) 0.12	11	23.8
Elevation at Discharge	415.78	416.31	416.68
Storage at Elevation	ac. ft. .32	41	46
Total Developed Flow @ S.P. 'A'	(cfs) 13	53	125

** This flow is either unmanaged altogether or managed by another onsite facility.

SUMMARY TABLE

POND #2 (RETENTION POND)

HAZARD CLASSIFICATION "A"

DRAINAGE AREA = 15.91 Acres

YEAR	SWM POND		
	2 YEAR	10 YEAR	100
Total Existing Flow @ S.P. 'A'	(cfs) 19	65	127
Unmanaged Flow **	(cfs) 11.7	41.8	76.2
Allowable Release	(cfs) 8	27	—
Computed Inflow	(cfs) 10.8	32	59.5
Facility Discharge	(cfs) 7.3	23.2	50.8
Elevation at Discharge	424.77	426.83	428.29
Storage at Elevation	ac. ft. 15	41	70
Total Developed Flow @ S.P. 'A'	(cfs) 13	53	125

** This flow is either unmanaged altogether or managed by another onsite facility.

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

Signature of Developer: *[Signature]* Date: *[Date]*

Approved: Howard County Department of Planning and Zoning

[Signature] 8/30/96 Date

Chief, Division of Land Development, Planning and Research

[Signature] 8/30/96 Date

Chief, Development Engineering Division

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

[Signature] 8/16/96 Date

Howard Soil Conservation District

553,800
Property of Cecil F. Cole, Et. Al.
L. 067 F. 583
Parcel 63

GUILFORD ROAD

ENGINEER'S CERTIFICATE

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

[Signature] 8/16/96 Date

Signature of Engineer

MD ROUTE 32

Coleview
Lots 1-3
Plat # 5423

Lot 1

APPR'D: D. P. W. for Storm Drainage System & Roads

[Signature] 8-27-96 Date

CH., BUL. # 4475.

This is a Thicketdown Section 1 Lot 1-16 Plat # 7254

WOODSCAPE DRIVE

LDE, INC.
9250 Rumsey Road, Suite 106, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

Designed: SDH
Drawn: E.O.B.
Checked: 803
Date: Jan. 1996

Grading & Sediment Control Plan
SCOTT ACRES
A Resubdivision of Lots 5, 6 and 7
Lots 10-32
Tax Map No. 35 P/O Parcel 353
5th Election District
Howard County, Maryland

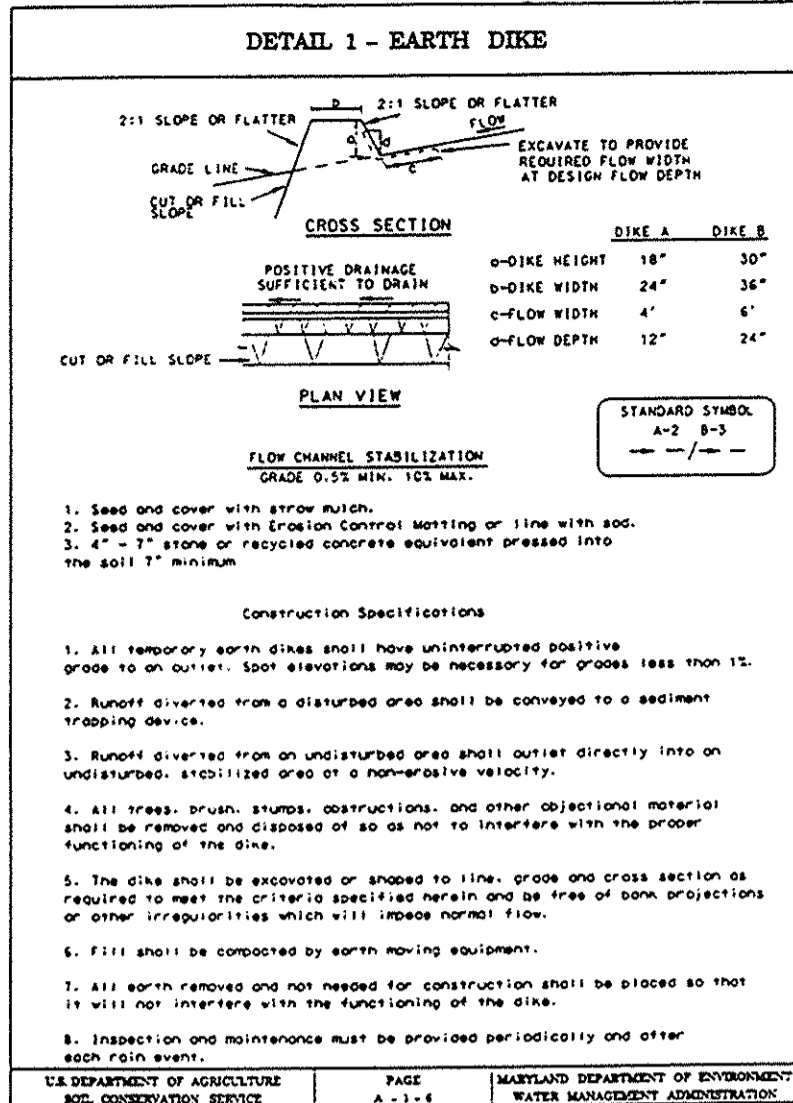
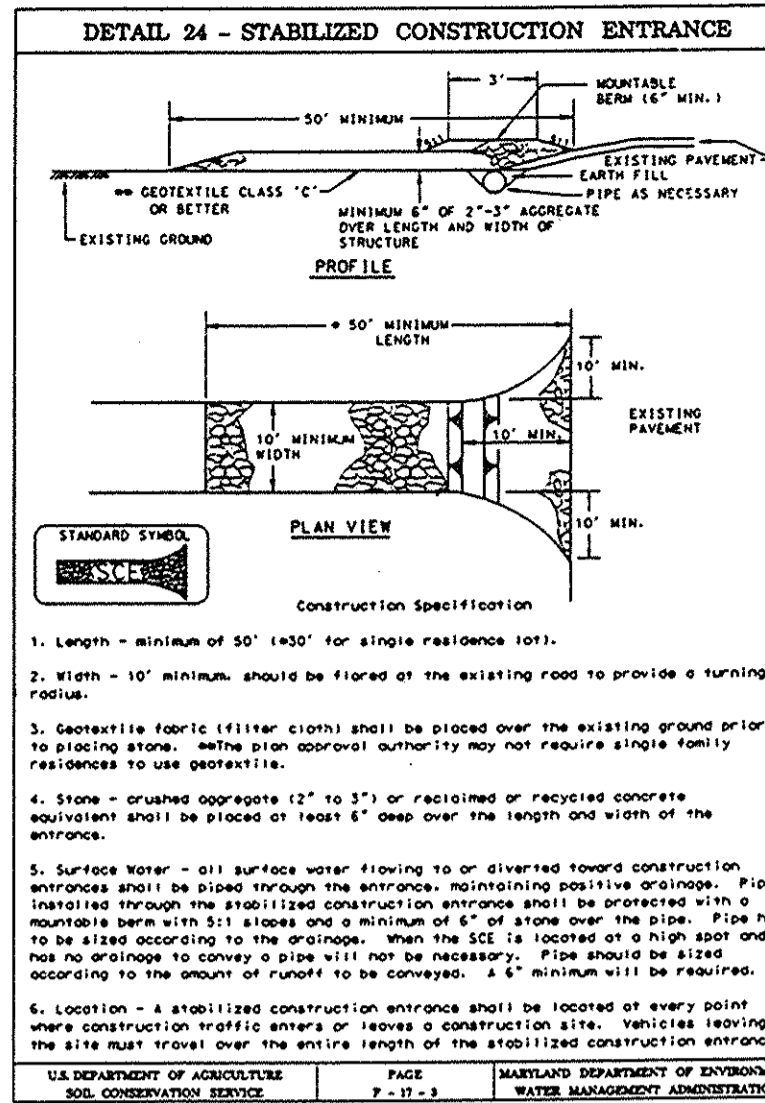
Previous Submittals: F77-112, B480-08, B483-11F, S95-12, P76-03, NP 96-96

OWNER/DEVELOPER
LOT 1 IMPROVEMENT CORP.
8835 P. Columbia 100 Pkwy.
Columbia, MD 21045

Scale: 1" = 50'
Sheet: 9 of 12
LDE Job No.: 93-167
File No.: 196-105

6281

SOIL BORINGS

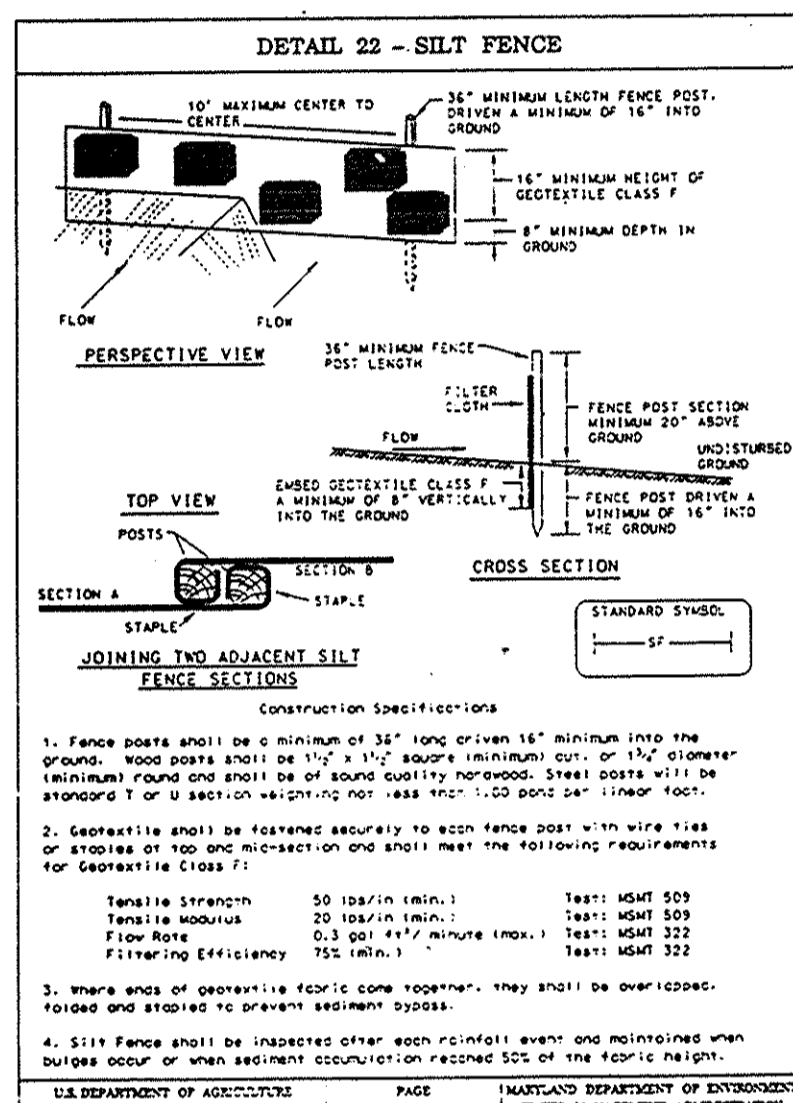
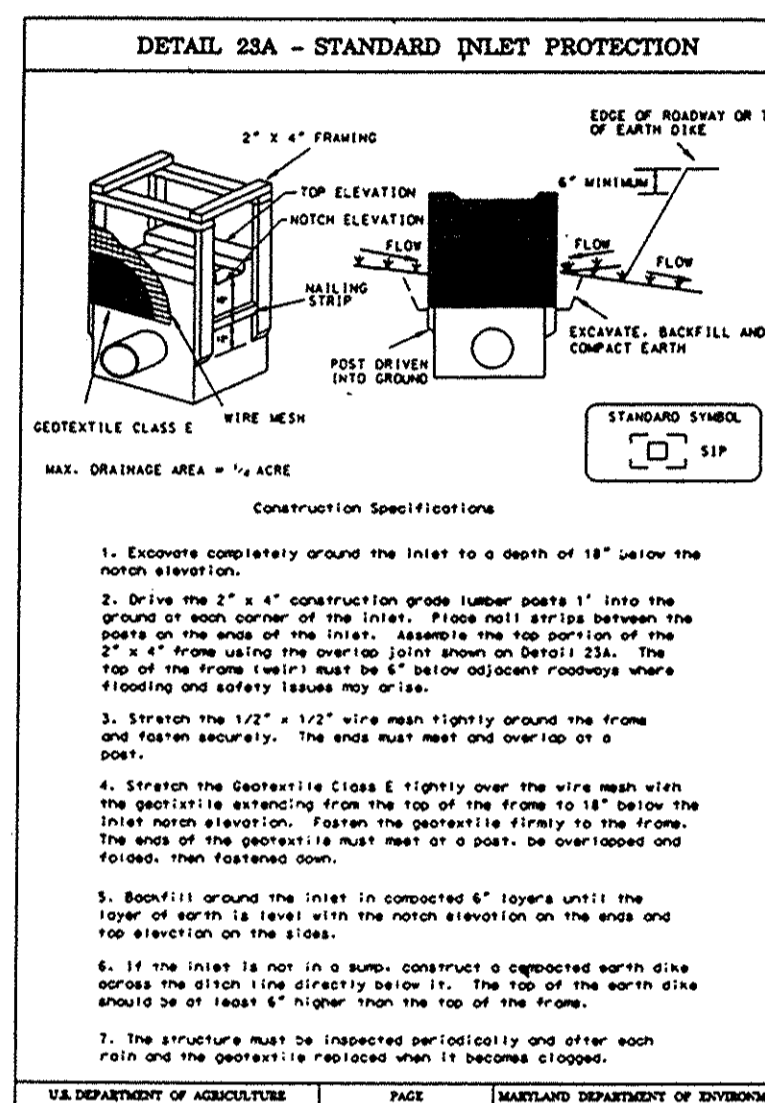


RECORD OF SOIL EXPLORATION - Boring #1. Table with columns: ELEVATION, SOIL DESCRIPTION, STRATA DEPTH, SAMPLE NO., BORING LOGS AND NOTES. Includes data for soil strata from 0' to 21' depth.

RECORD OF SOIL EXPLORATION - Boring #2. Table with columns: ELEVATION, SOIL DESCRIPTION, STRATA DEPTH, SAMPLE NO., BORING LOGS AND NOTES. Includes data for soil strata from 0' to 10' depth.

SEQUENCE OF CONSTRUCTION. List of 25 numbered tasks for the project, such as 'Install concrete curb and gutter', 'Install concrete gutter', 'Install concrete sidewalk', etc.

So the entire surface of each inch shall be traversed... These specifications are appropriate to all ponds... THE BORING LOGS AND ALL TEST RESULTS apply to the most recent version.



RECORD OF SOIL EXPLORATION - Boring #4. Table with columns: ELEVATION, SOIL DESCRIPTION, STRATA DEPTH, SAMPLE NO., BORING LOGS AND NOTES. Includes data for soil strata from 0' to 10' depth.

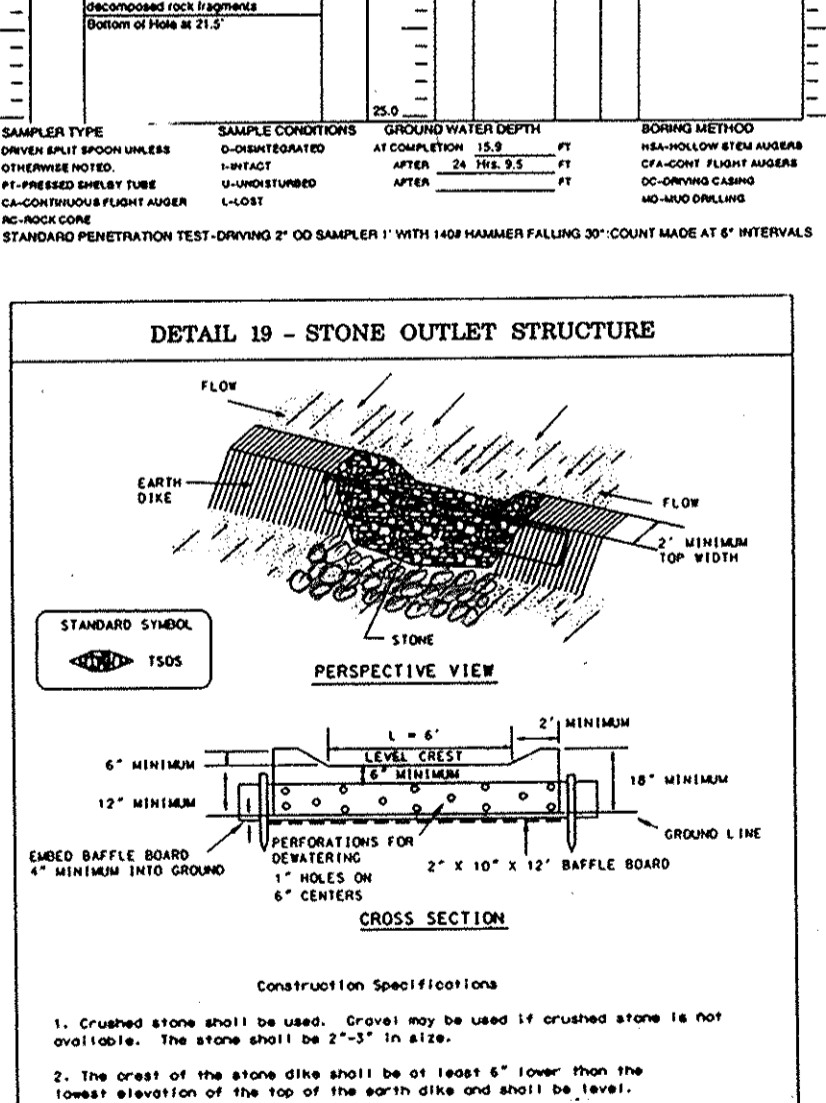
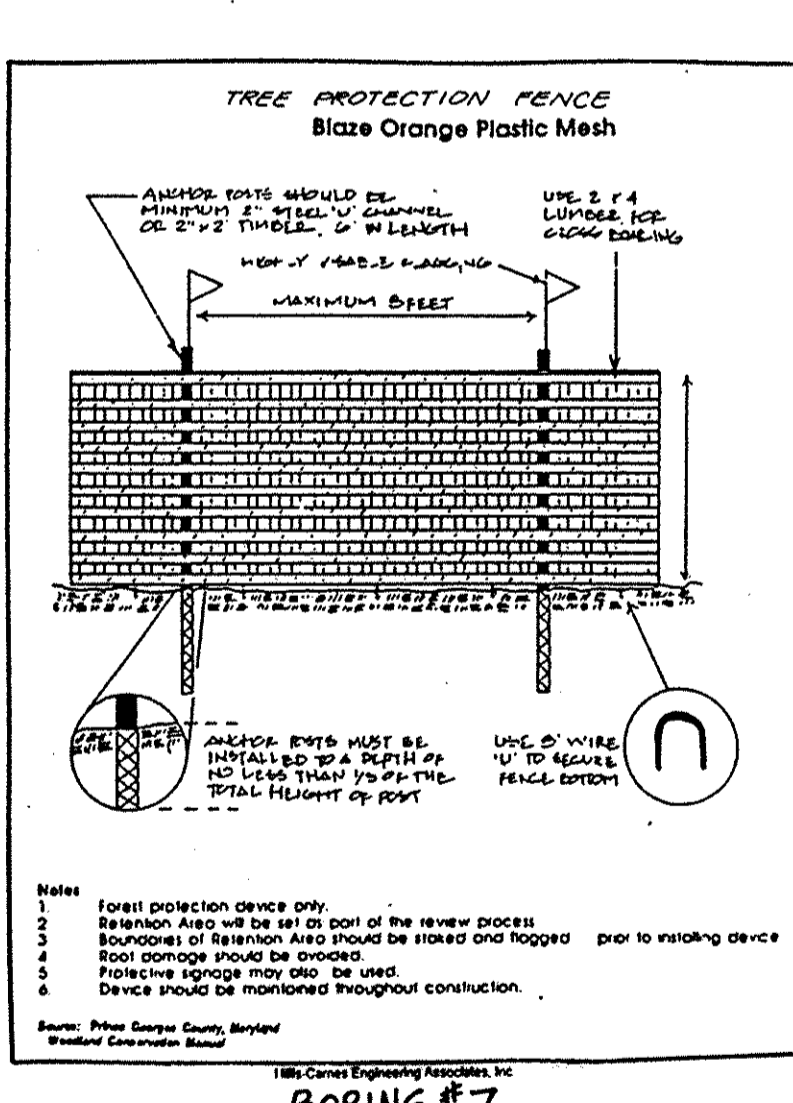
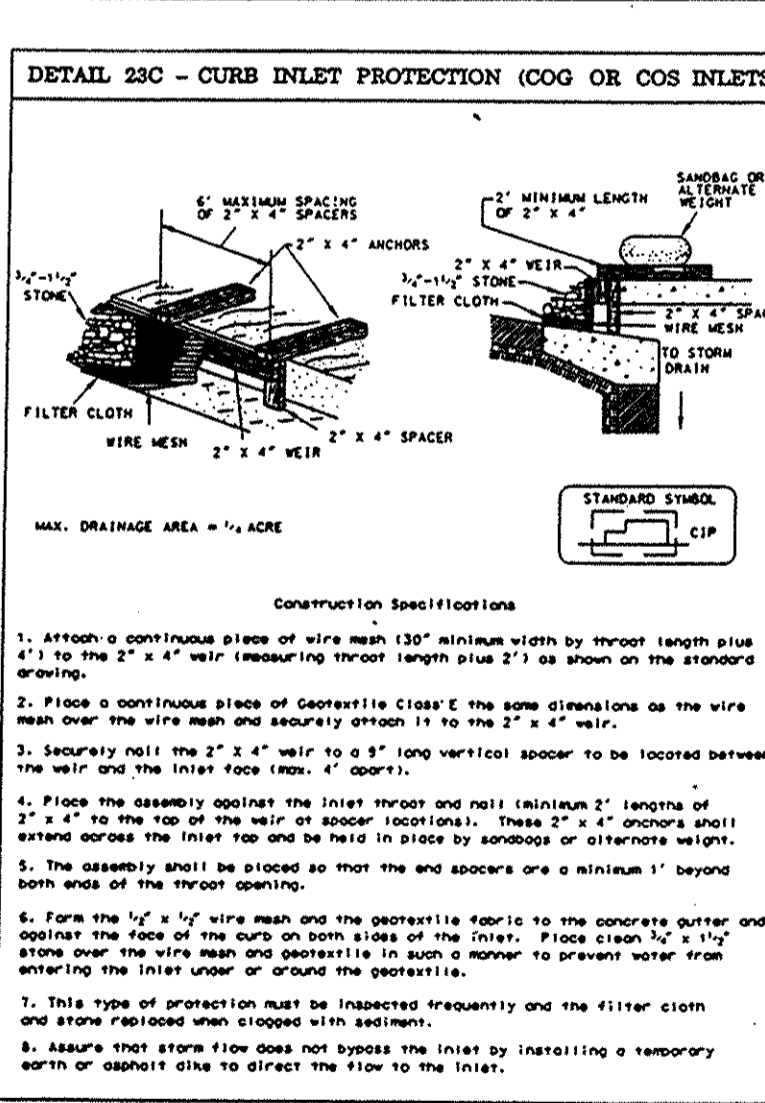
RECORD OF SOIL EXPLORATION - Boring #3. Table with columns: ELEVATION, SOIL DESCRIPTION, STRATA DEPTH, SAMPLE NO., BORING LOGS AND NOTES. Includes data for soil strata from 0' to 10' depth.

TEST PIT EXPLORATION - BORING #5. Table with columns: DEPTH, DESCRIPTION, COMMENTS. Includes data for a test pit with a depth of 6'.

20. Install concrete curb and gutter. 21. Install concrete gutter. 22. Install concrete sidewalk. 23. Install concrete curb and gutter. 24. Install concrete curb and gutter. 25. Install concrete curb and gutter.

HOWARD SOIL CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES. 1. A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction... 7. Site Analysis: Total Area of Site - 14.2 Acres, Area Disturbed - 10.9 Acres, Area to be roofed or paved - 8.9 Acres, Area to be vegetatively stabilized - 0.9 Acres...

HOWARD SOIL CONSERVATION DISTRICT PERMANENT SEEDING NOTES. Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed. SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking, or other acceptable means before seeding... SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules: 1) PREFERRED - Apply 2 tons per acre dolomitic limestone... SEEDING - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre of annual ryegrass... MULCHING - Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000sq. ft.) of unrotted weed free small grain straw immediately after seeding... MAINTENANCE - Inspect all seeding areas and make needed repairs, replacements and reseedings.



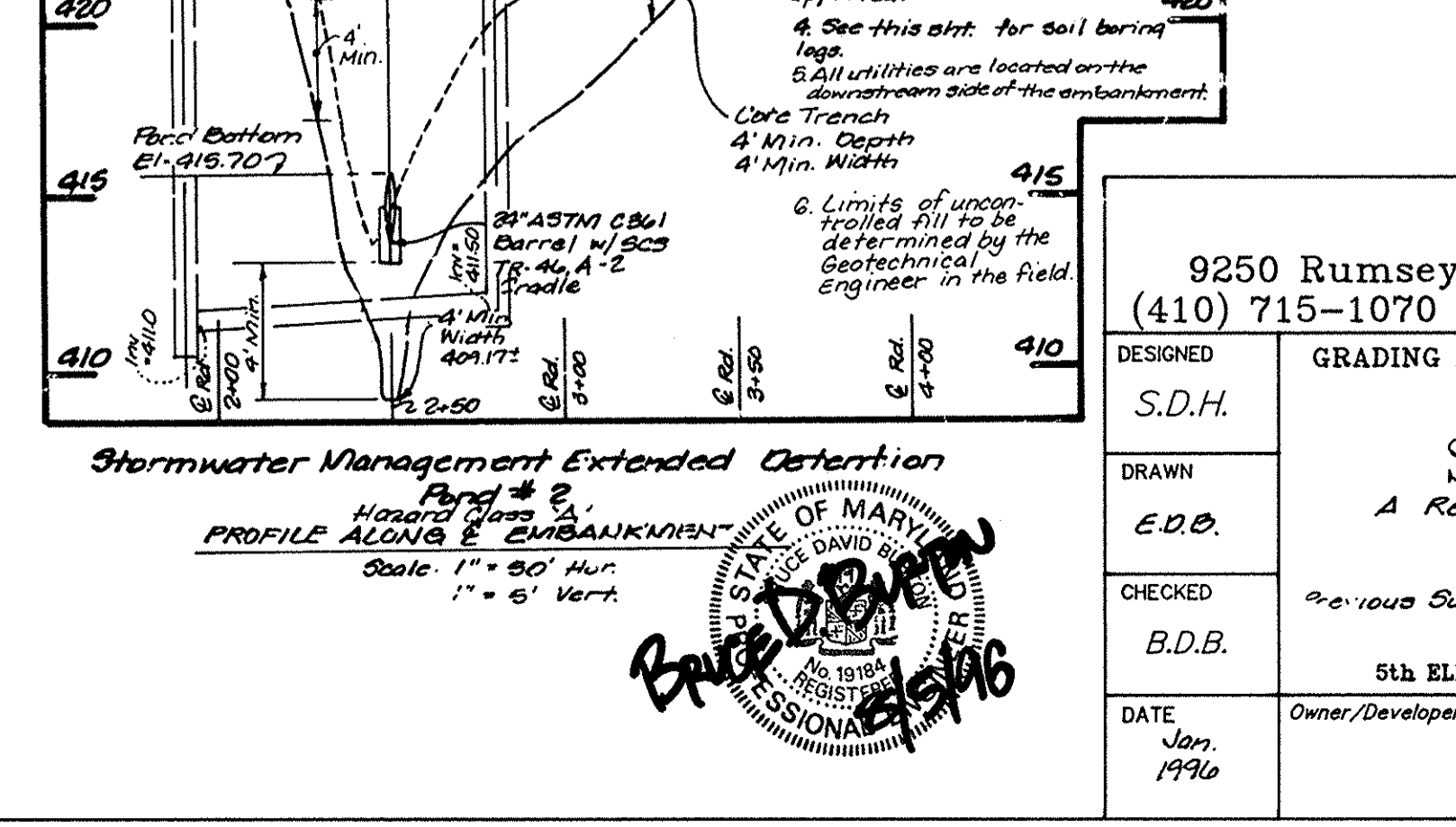
TEST PIT EXPLORATION - BORING #6. Table with columns: DEPTH, DESCRIPTION, COMMENTS. Includes data for a test pit with a depth of 6'.

TEST PIT EXPLORATION - BORING #9. Table with columns: DEPTH, DESCRIPTION, COMMENTS. Includes data for a test pit with a depth of 6'.

26. Erosion of the basin completely. 27. Remove all accumulated sediment and insure pond bottom is at final designed elevation... 28. Stabilize all remaining disturbed areas in accordance with the permanent seeding notes... 29. With permission from the sediment control inspector, remove all sediment control devices except those around the sediment basin... 30. Erosion of the basin completely. 31. Erosion of the basin completely. 32. Erosion of the basin completely. 33. Erosion of the basin completely. 34. Erosion of the basin completely. 35. Erosion of the basin completely.

TEMPORARY SEEDING NOTES. Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed. SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking, or other acceptable means before seeding... SOIL AMENDMENTS: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000sq. ft.). SEEDING - For periods March 1 thru April 30, and from August 15 thru October 15 seed with 2-1/2 bushels per acre of annual ryegrass... MULCHING - Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000sq. ft.) of unrotted weed free small grain straw immediately after seeding... Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered. GROUPTHECHNICAL ENGINEER RECOMMENDATIONS STORMWATER MANAGEMENT FUNDING # 1 & 2. 1) The site should be stripped of topsoil and other erasable materials... 2) After stripping the exposed subgrade materials should be preseeded... 3) The area not accessible to a dump truck... 4) Any excessively soft or loose materials identified by preseedling... 5) A representative of the Geotechnical Engineer should be present to monitor placement and correction of fill... 6) The MD 378 Specifications matrix for the core trench shall conform to Unified Soil Classification CC, SC, CL, or CE. These materials were not identified outside... APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING. APPROVED: DEPARTMENT OF PUBLIC WORKS FOR STORM DRAINAGE SYSTEMS AND ROADS.

ENGINEER'S CERTIFICATE. I certify that this plan for pond construction, erosion and sedimentation... DEVELOPER'S CERTIFICATE. I/We certify that all development and/or construction will be done according to these plans... Stormwater Management Extended Detention Pond # 2, Howard County Department of Inspections, Licenses and Permits, Sediment Control Division. PROFILE ALONG E-W BARRIERS Scale 1" = 20' Vert. 1" = 5' Vert.



LDE, INC. 9250 Rumsey Road, Suite 106, Columbia, MD 21045. (410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax). SCOTT ACRES A Re-subdivision of Lots 6, 7 and 9. Drawn by E.D.B., Checked by B.D.B. DATE: Jan 1996. OWNER/DEVELOPER: LOT 1 IMPROVEMENT CORP 3858 Columbia 100 PKWY Columbia, MD 21045.

18281

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING. APPROVED: DEPARTMENT OF PUBLIC WORKS FOR STORM DRAINAGE SYSTEMS AND ROADS. APPROVED: HOWARD SOIL CONSERVATION DISTRICT. ENGINEER: Bruce D. Burton, 8/5/96. DEVELOPER: [Signature], 9/13/96.

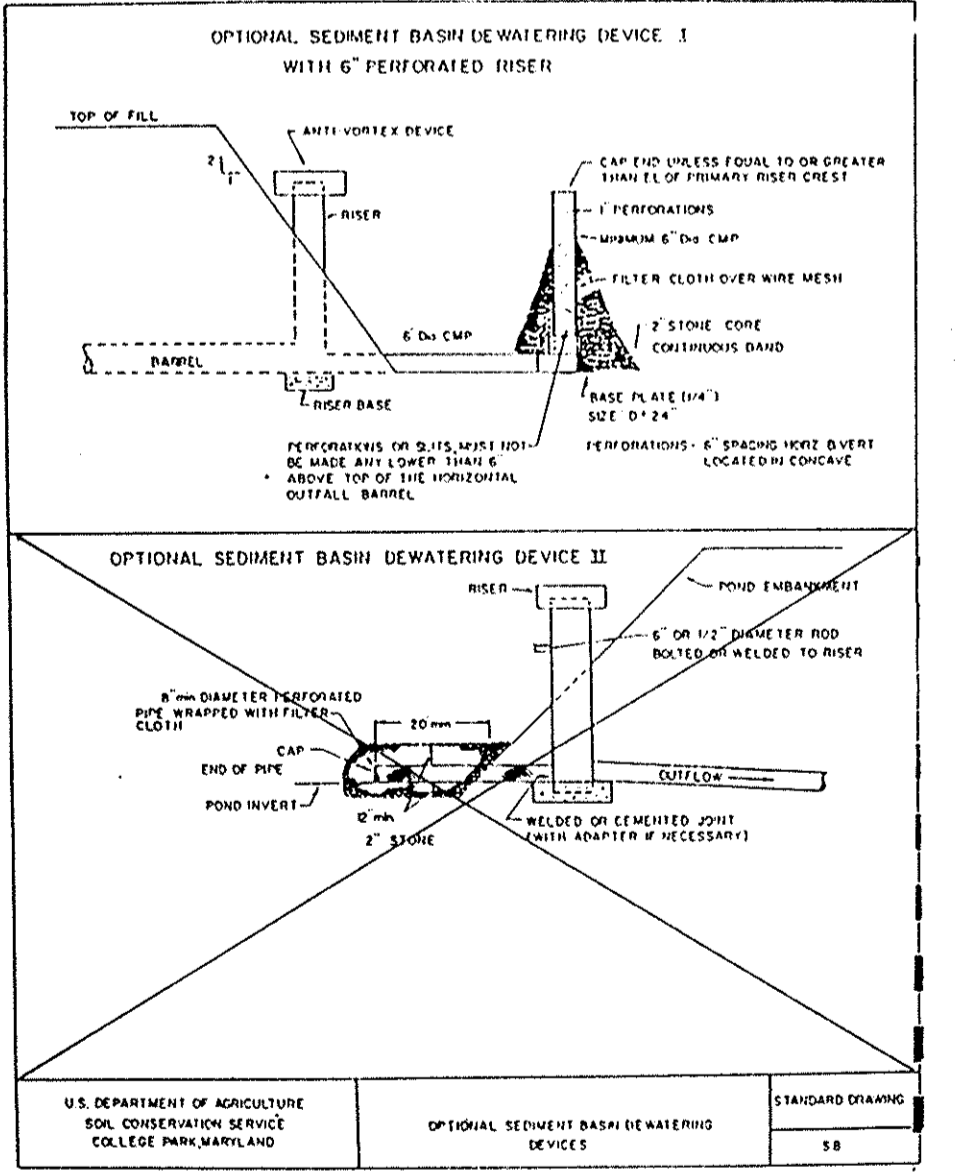
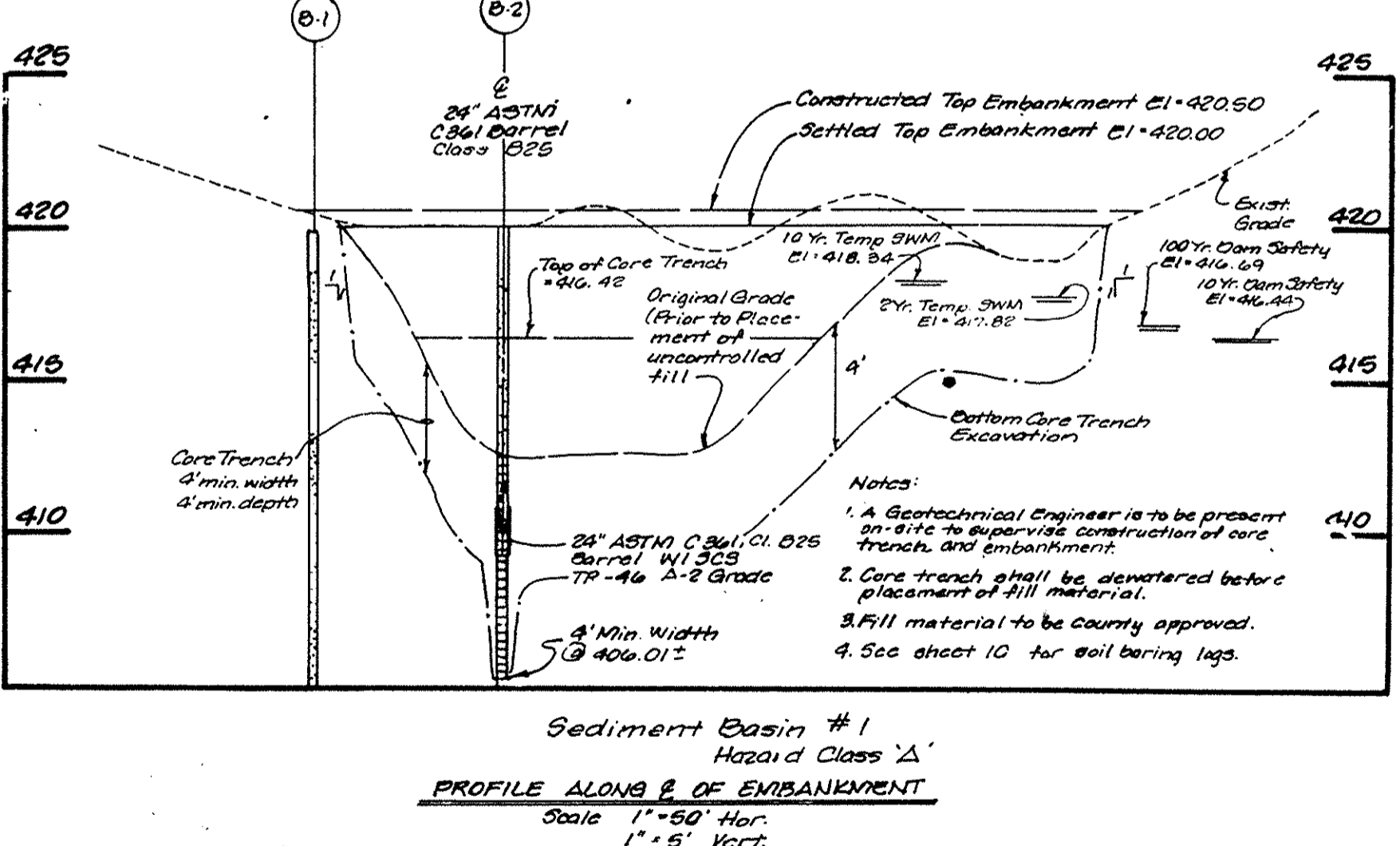
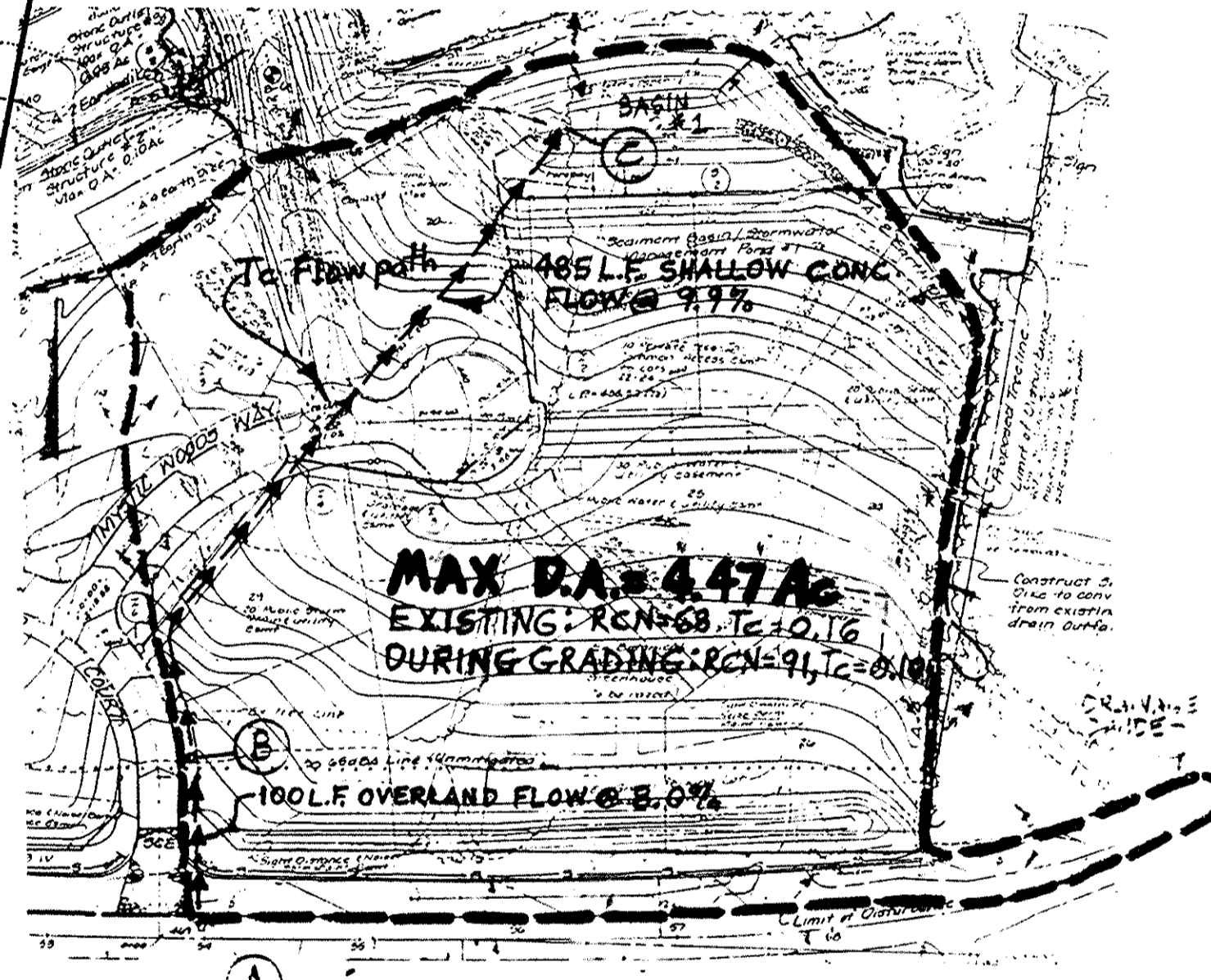
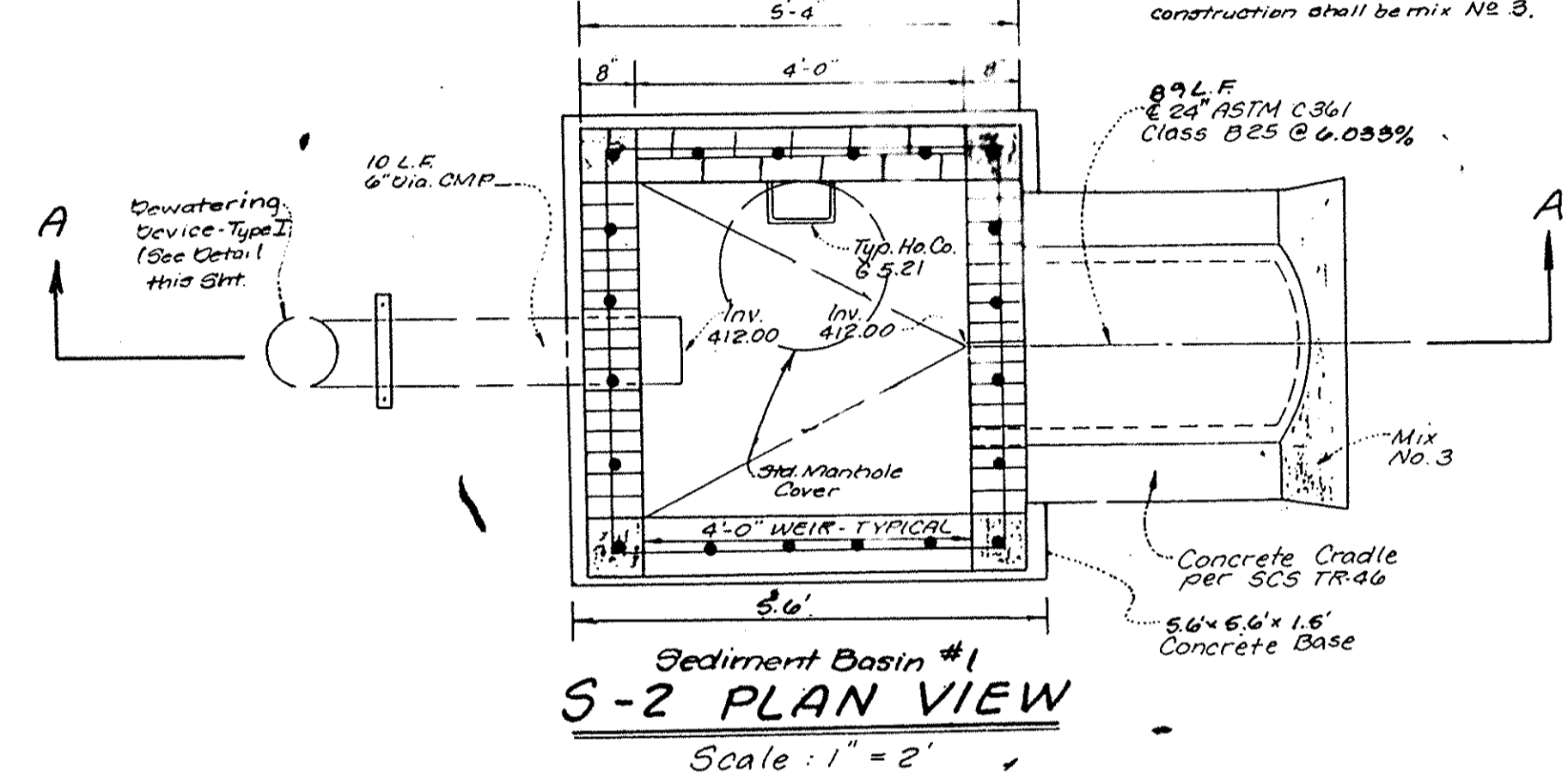
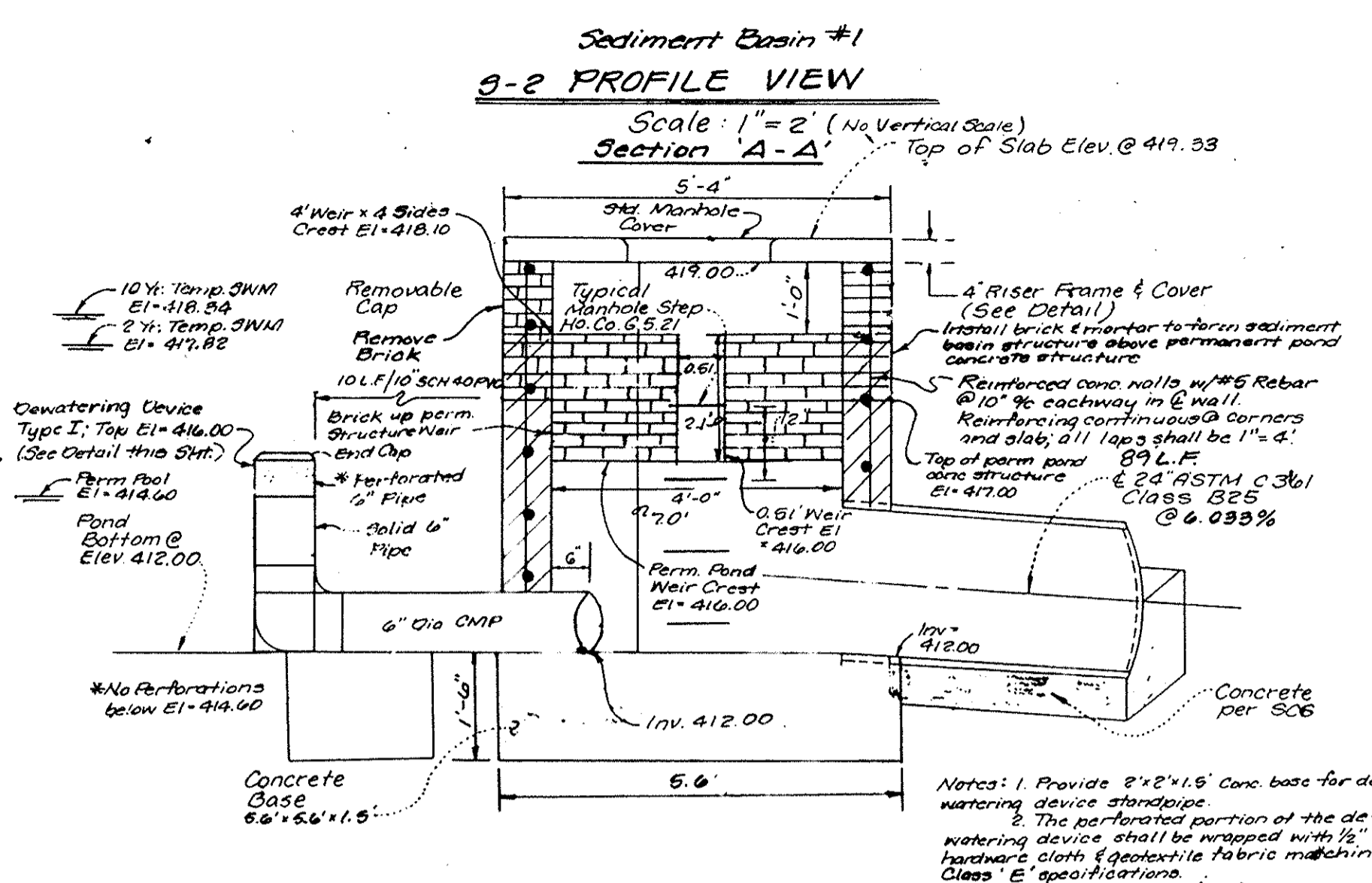
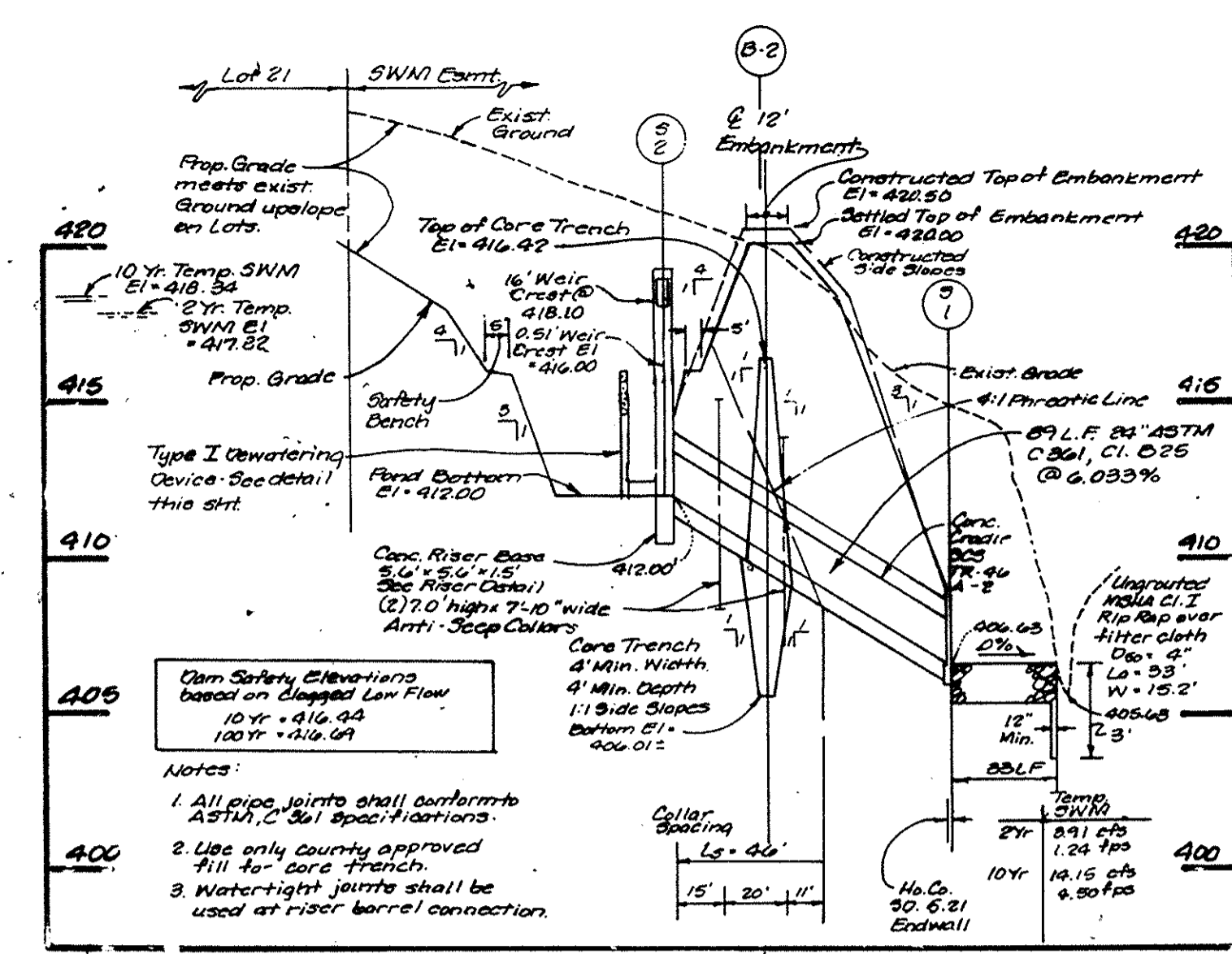
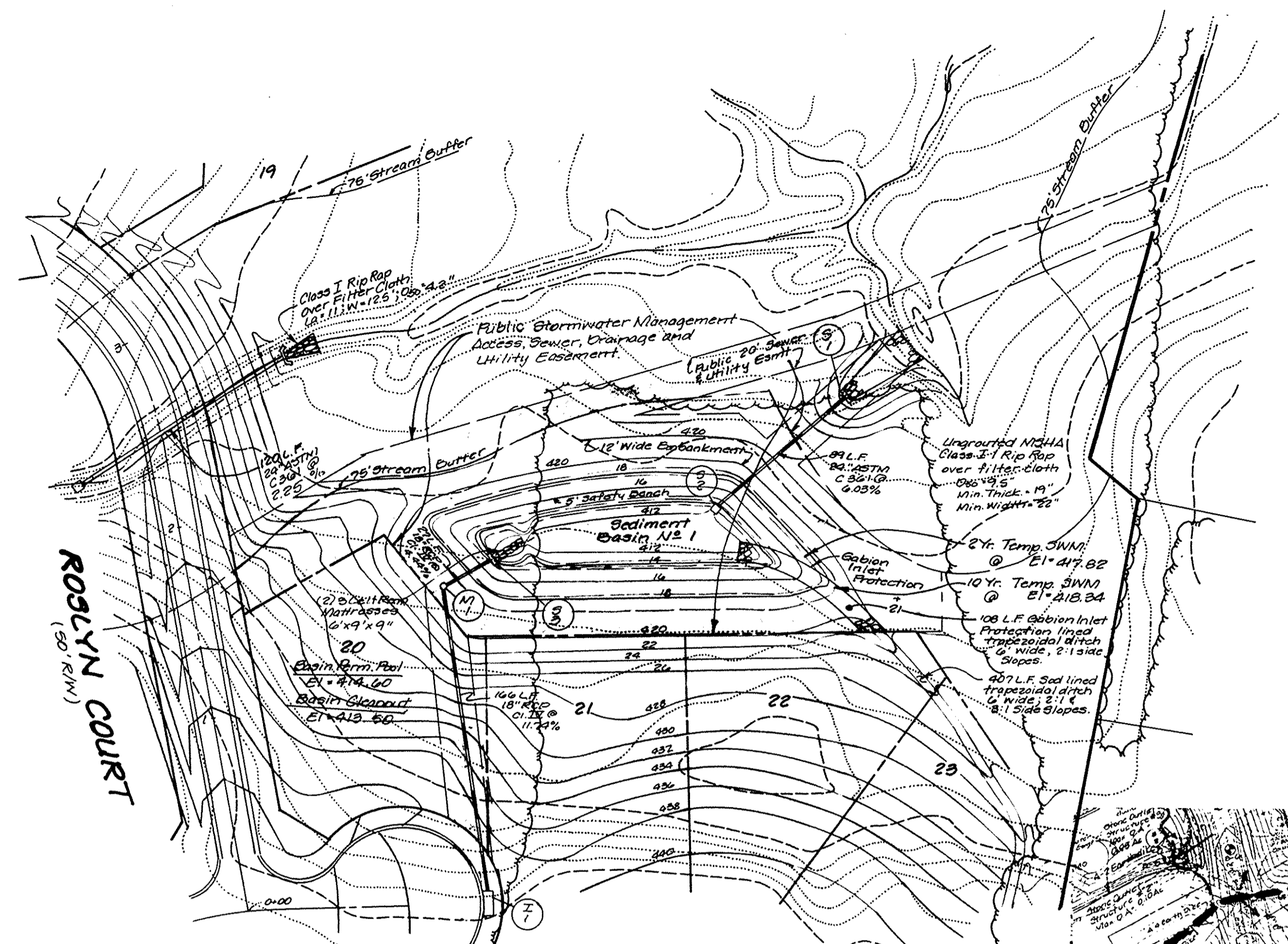


Figure 2 Temporary Sediment Basin Design Data Sheet

Computed by **SPM** Date **5/30/96** Checked by **BOB** Title **May '96**
 Project name **Scott Acres** Phase **1**
 Location **Clarksville, Howard County, Maryland**

Total area draining to basin **4.47** acres (±)

Basin Volume Design

Note: 1. Also see Surface Area Design #30. Use from 2. In contour 'B' to 'D', divide 'B' by 27. In contour 'D' to 'E', divide 'D' by 9.

1. Min. required vol. = $4.47 \times 1.0 \times 1.0 = 4.47$ ac-ft
2. Actual Volume of Basin = **28,377** cu ft (±) @ Elev. 418.00
3. Evacuate Basin in **1.0** hr (±) to obtain required capacity (EXISTING VOLUME IS ADEQUATE)
4. Vol. at dewatering elev. = $1.00 \times 4.47 = 4.47$ ac-ft
5. Vol. of basin at lowest = $1.00 \times 4.47 = 4.47$ ac-ft
6. Elevation corresponding to basin required volume of basin from crest elevation = **416.00** ft
7. Elevation of crest = **416.00** ft
8. Distance from crest elevation to ground level elevation = **1.4** ft (RISER CREST @ 416.00)
9. Basin crest elevation = **418.5** ft
10. Distance from crest elevation to ground level elevation = **2.5** ft

Spillway Design

11. Q₁₀ = **21** cfs (Peak discharge from 10 yr. 24 hr storm event - computations)

Principal Spillway (Type I) (See Detail H)

12. Design Peak Spillway Discharge (Type I) = **21** cfs (min. 10% of 10 year peak on 8" Diameter Pipe) (NO EMERGENCY SPILLWAY)
13. H = **9.37** ft. Basin Length = **81** ft
14. Basin Depth = **2.4** ft. Note: Q₁₀ with equal or excess Design Q₁₀.
15. Q₁₀ = 21 cfs from Table 11 or 11.31.6. A. Depth of water above crest = **0.45** ft
16. Basin Diameter = **48** in. Free Board = **5** ft. Basin Head = **1.0** ft
17. Inlet Basin Depth = **4'-8"**. Inlet Basin Head = **1'-6"**

NOTE: A table showing design data shall be included on the plan for each basin.

* SQUARE CONCRETE RISER - INSIDE DIM. 4' x 4'; OUTSIDE DIM. 5.33' x 5.33'

** REBAR TRASHRACK FOR WEIR OPENINGS. 4'-1' x 4' OPENINGS.

Note: This plan to be used for temporary Basin only - not for permanent pond construction.

Approved: Howard County Department of Planning and Zoning

Richard Blood 5/30/96
 Chief, Division of Land Development and Research

Chris Damann 8/30/96
 Chief, Development Engineering Division

Approved: Department of Public Works for Storm Drainage Systems and Roads

Andrew M. Davelo 8-27-96
 Chief, Bureau of Highways

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

Robert W. Johnson 8/16/96
 Natural Resource Conservation Service

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

Robert W. Johnson 8/16/96
 Howard Soil Conservation District

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 am a duly licensed professional engineer and I hereby certify that I have provided the plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by Howard Soil Conservation District.

Bruce D. Burton 5/3/96
 Signature of Engineer

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

Mark L. Lipp 4/15/96
 Signature of Developer

LDE, INC.
 9250 Rumsey Road, Suite 106, Columbia, MD. 21045
 (410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED	S.D.H.	SCALE	As Shown
DRAWN	E.O.B.	DRAWING	11 of 12
CHECKED	B.D.B.	JOB NO.	94-161
DATE	Jan. 1996	FILE NO.	F96-105

SEDIMENT BASIN PLAN AND DETAILS

SCOTT ACRES
 A Resubdivision of Lots 5, 6, and 7
 Lots 10 - 32

Previous Submittals: F77-112, E280-08, E283-115, 296-12, E296-03, P/O Parcel 353, N1946-96

5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

Owner/Developer:
 LOT 1 IMPROVEMENT CORP.
 8835 P. Columbia 100 Pkwy.
 Columbia, Maryland 21045 (410) 730-0810

18291

PLANTING NOTES - afforestation planting

- Forest Stand Delineation and the Preliminary Forest Conservation Plan prepared by Dennis J. LaBare, M.S. & Assoc.
- Written Documentation including afforestation location, construction protection and management, cost estimates, plant densities, etc. prepared by Dennis J. LaBare, M.S. & Assoc.
 - Construction Protection and Management.** Upon completion of the rough grading of the afforestation areas, a protective fence and signs will be installed. Adjacent landowners will be informed about the existence and importance of these areas.
 - Post Construction Protection.** After completion and approval of planting, the protective fence shall remain only if construction endangers the viability of the newly planted area. Signs will be removed after the two year maintenance period as directed by the Howard County Forest Conservation Manual.
 - All planting to meet the implementation techniques and practices as described in the Howard County Forest Conservation Manual.
 - There are no existing trees on the site.
 - The hardwood container grown stock should be planted randomly at an average of eleven feet on center in a naturalized pattern. Species should be mixed with no less than three trees of one species in a group. Edge species should be planted on the perimeter of the afforestation area (Amelanchier, Cercis, and Viburnum).
 - Evergreen seedlings should be planted randomly at an average of eight feet on center in a naturalized pattern.
 - The Landscape Contractor will be responsible for general site preparation of the rough graded afforestation areas. The planting areas should be treated by incorporating natural mulch into the top twelve inches of soil. The Contractor will provide needed soil amendments as determined by a soil analysis. Amendments should be natural materials such as organic mulch or leaf mold compost.
 - All disturbed areas within the afforestation area to be seeded with K-31 Tall Fescue (March 1 - April 30 and August 1 - Oct. 15, seed with 60 lbs/acre; May 1 - July 31 use 60 lbs/acre K-31 and 2 lbs/acre of weeping lovegrass; Oct. 16 - Feb. 28 use 60 lbs/acre K-31 and mulch with 2 tons/acre well anchored straw or mulch and seed in the spring.
 - Seeded areas to be hand mulched with 1 1/2 to 2 tons per acre of unrotted small grain straw and non-asphaltic tackifier and left unmulched. All areas between the Site Line Easement and the ROW of Guilford Road shall be seeded with K-31 fescue and mowed once a year.
 - The Landscape Architect will inspect the planting at the end of the construction period and provide to the County a certification that all plantings have been installed and that all protection devices are in place.
 - The Landscape Contractor shall be responsible for management of afforestation areas for a period of two years, including needed watering, removal of dead or damaged material and control of undesirable species, fertilizing if necessary and control of pests, and replacement of plant material as described in the Howard County Forest Conservation Manual.
 - All inspections as required by the Forest Conservation Manual shall be performed by the Landscape Architect.
 - For sign locations and protective tree fence locations, see sheet 4.

Notes: 1. This plan has been prepared in accordance with the provisions of Section 16.123 of the Howard County Code and the Landscape Manual.
 2. Financially, the required landscaping has been posted as part of the O&M Developer's Agreement in the amount of \$8,000.
 3. All street lights shall be located 2 ft. minimum to 4' maximum behind the curb. No trees shall be located within 20' of any street light.
 4. The recreation open space, Landscape edges, slight distance and noise barrier placement shall be maintained by the homeowners association.

Forest conservation technique	area / sq. ft.	plant density	plants req.	plants shown
Landscape option (20%)	1300	40 trees/10,000sf	5 trees	5 trees
Afforestation w/ 1-2 gal. cont. stock (60%)	2260	350 trees/ac.	24 trees	24 trees
Afforestation w/ evgn seedlings (20%)	1950	700 trees/ac.	31 trees	31 trees

SCHEDULE D STORMWATER MANAGEMENT AREA LANDSCAPING		SCHEDULE A PERIMETER LANDSCAPE EDGE	
Category	Agreement	Agreement	Agreement
Linear Feet of Perimeter	964 L.F.	B	A
Number of Trees Required	612 L.F.		
Shade Trees 1:50	12		
Evergreen Trees 1:40	15		
Credit for Existing Vegetation (No, Yes and %)	Yes 230 L.F.	849 L.F.	2344 L.F.
Credit for Other Landscaping (No, Yes and %)	Yes 122 L.F.*	No	750 L.F. Yes
Number of Trees Provided	10		
Evergreen Trees	(3)		
Other Trees (2:1 substitution)	Shrubs (10:1): 40:10=4		
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	No	No	No
Number of Plants Required		(1:50) 17	(1:60) 19
Shade Trees		(1:40) 21	
Evergreen Trees			
Shrubs			
Number of Plants Provided		17	19
Shade Trees		22	
Evergreen Trees			
Other Trees (2:1 substitution)			
Shrubs (10:1 substitution)			
(Describe plant substitution credits below if needed)			

Comments * Credit for existing vegetation 380 L.F. Edge ①, 210 L.F. Edge ② and 560 L.F. Edge ③

Note: Complex projects may require expansion of the schedule to accommodate multiple land uses on-site or on adjacent properties.

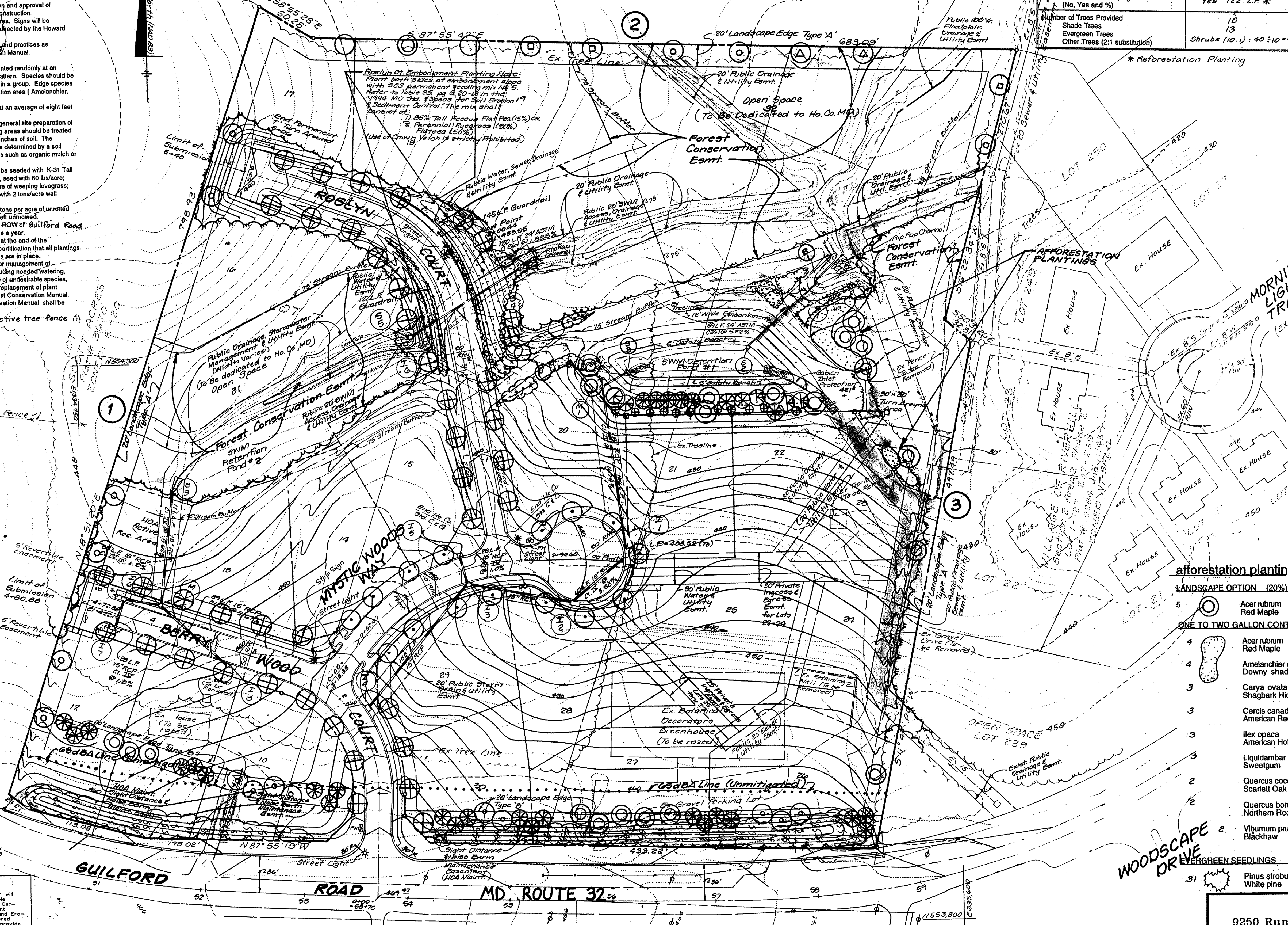
PERIMETER AND STORMWATER MANAGEMENT PLANTING SCHEDULE

Deciduous Trees		Evergreen Trees		
NO.	KEY	BOTANICAL / COMMON NAME	SIZE	COMMENT
17	⊙	Acer rubrum Red Maple	2-2 1/2" - 3" cal.	B&B
6	⊙	Liquidambar styraciflua Sweetgum	2-2 1/2" - 3" cal.	B&B
17	⊙	Quercus rubra Red Oak	2-2 1/2" - 3" cal.	B&B
2	⊙	Quercus phellos Willow Oak	2 1/2" - 3" cal.	B&B
4	⊙	Fagus grandifolia American Beech	2 1/2" - 3" cal.	B&B
Evergreen Trees				
30	⊙	Pinus strobus Eastern White Pine	6'-8"	B&B
5	⊙	Pinus thunbergiana Japanese Black Pine	6'-8"	B&B
Shrubs				
11	⊕	Cornus stolonifera Red-Osier Dogwood	2 1/2" - 3" cal.	B&B or container
6	⊕	Ilex verticillata Winterberry Holly	3'-4"	container
12	⊕	Foraylia intermedia Show Border Forestry	2'-2 1/2"	container
11	⊕	Nandina domestica Harbour Dwarf Nandina	18"-24" sp.	container

afforestation planting

LANDSCAPE OPTION (20%) 1300 SF

5	⊙	Acer rubrum Red Maple	2-1/2" - 3" cal.	B&B
ONE TO TWO GALLON CONTAINERS 3250 SF				
4	⊕	Acer rubrum Red Maple	2 gal. cont.	avg spacing - 11'
4	⊕	Amelanchier canadensis Downy shadblow	1 gal. cont.	
3	⊕	Carya ovata Shagbark Hickory	2 gal. cont.	
3	⊕	Cercis canadensis American Redbud	1 gal. cont.	
3	⊕	Ilex opaca American Holly	1 gal. cont.	
3	⊕	Liquidambar styraciflua Sweetgum	2 gal. cont.	
2	⊕	Quercus cocinea Scarlet Oak	2 gal. cont.	
2	⊕	Quercus borealis Northern Red Oak	2 gal. cont.	
2	⊕	Viburnum prunifolium Blackhaw	1 gal. cont.	
EVERGREEN SEEDLINGS 1950 SF				
31	⊙	Pinus strobus White pine	6" ht. min. 1/8 - 1/4" cal.	



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

[Signature]
Natural Resource Conservation Plans Service

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

[Signature]
Howard Soil Conservation District

DEVELOPER'S CERTIFICATE

I/We certify that development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance of a Department of the Environment, approved Training Program for the Control of Sediment and Erosion before beginning the project. I shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by Howard Soil Conservation District.

[Signature] 4/15/96
Signature of Developer

ENGINEER'S CERTIFICATE

I certify that this plan for pond construction, erosion and sediment control is a true and correct plan based on my personal knowledge and the conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I am a registered professional engineer and I am qualified to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

[Signature] 4/15/96
Signature of Engineer

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 8/20/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

[Signature] 8/20/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION

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

[Signature] 8-21-96
CHIEF, BUREAU OF HIGHWAYS

GROUND COVERS:

Amount	Botanical/Common	Rate	Comment
165 lbs	Coronilla varia Crown Vetch	92 lbs/1000 S.F.	Noise Berm, Landscape Edge along Guilford Rd only
201ba (Tall Fescue)	1 Tall Fescue (85%) Flat Foa (15%)	251bs/1000 sq. ft. embankment	
41bs (Others)	2 Perennial Ryegrass (60%) as/bs/1000sf along Rosalyn Plat (see pg 2)		

STREET TREE TABLE

SYMBOL	COMMON NAME	BOTANICAL NAME	QTY	SIZE	REMARKS
⊙	Sargent Cherry	Prunus sargentii	15	2"-2 1/2" CAL.	B & B
⊙	Redspire Pear	Pyrus calleryana	42	2"-2 1/2" CAL.	B & B

LDE, INC.
 9250 Rumsey Road, Suite 108, Columbia, MD. 21045
 (410) 715-1070 (301) 598-3424 (410) 715-9540 (Fax)

Designed	Scale
SDH	1" = 50'
Drawn	Sheet
E.O.B.	12 of 12
Checked:	LOK Job No
BOB	92-161
Date	File No
Jan. 1996	F96-105

LANDSCAPE PLAN
SCOTT ACRES
 A Resubdivision of Lots 5, 6 and 7
 Lots 10-32
 Tax Map No. 35 P/O Parcel 353
 5th Election District
 Howard County, Maryland
 Previous Submittals: F77-112, BA80-08, BA83-116, 595-12, P-2, W-96-46

[Signature]
 REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT

[Signature]
 REGISTERED PROFESSIONAL ENGINEER

LOT 1 IMPROVEMENT CORP
 8355 P Columbia 100 Pkwy
 Columbia, MD 21045

18291

Symbol	Street Name	E Station	Offset	Type
▲	Roslyn Court	0+27	13' Left	R1-1 Stop Sign 30" x 30" Category

Lot 10
Wilkinson Acres
Plat # 7849
Zoned R-20

- NOTES:**
- For storm tree locations, see sheet 18 of 12.
 - For storm drain profiles and structure schedule, see sheet 6 of 12. See structure schedule for storm drain locations.
 - All street lights shall be located 2 feet minimum to 4 feet maximum behind the curb. No trees shall be located within 20 feet of any street light. See detail sheet 5 of 12.
 - All Community Owned Open Space lots, Recreation Areas and Landscaped Edges shall be maintained by the Homeowners Association.
 - All street lights and/or street signs shall be located 5 feet minimum from proposed drainage and utility structures.
 - For Howard County Standard Details, refer to sheet 5 of 12.
 - Contractor shall construct Type 1 Guard Rail with beam sta. 1+78 ± Rt. to Sta. 3+12 ± Rt. and sta. 2+00 ± Lt. to Sta. 2+92 ± Lt.
 - Contractor shall construct grass lined 'V' Channel Sta. 0+27.10 Lt. to Sta. 1+85 ± Lt. Contractor shall construct rip rap lined 'V' Channel Sta. 1+85 ± Lt. to Sta. 3+10 ± Lt. and Sta. 2+65 ± Rt. to Sta. 3+75 ± Rt.
 - For Channel Details see sheet 6 of 12.
 - The future culvert proposed for the driveway of Lot 19 shall be submitted and approved as part of the site development plan approval.

Lot 9
Wilkinson Acres
Plat # 5670
Zoned R-20
SP 96-05

RIP RAP LINED CHANNEL	GRASS LINED CHANNEL
Location	Location
1+85 ± 20' Left	0+27.10 17' Left
3+10 20' Left	1+85 17' Left
2+65 20' Right	3+10 18' Left
3+75 18' Right	4+82 18' Left
	3+75 18' Right
	4+85 18' Right

Station	Radius	Delta	Length	Tan	Chord	Bearing
Roslyn Court Sta. 2+46.90 to 3+81.80	126'	61°50'01"	134.90'	74.86'	128.45'	N. 40°09'32" W.

Symbol	Street Name	E Station	Offset	Type
*	Roslyn Court	0+18	14' Rt	100 Watt Traditional WFO
*	Roslyn Court	3+00	18' Rt	100 Watt Traditional WFO

Village of Riverhill
Sect 2, Area 2, Phase 2
Lot 1-127, 237-257
Plat # 107944-1143
Zoned R-17-294 D

Curb Legend:

- Sta. 7" Comb. Curb & Gutter
- Bituminous Curb

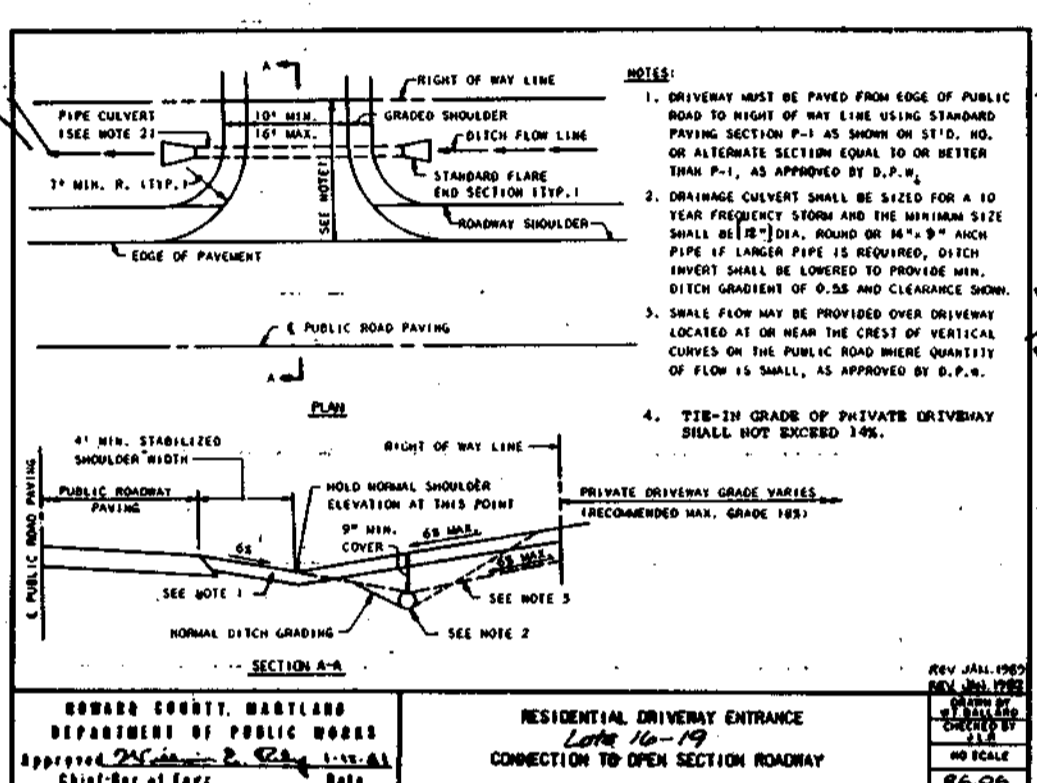
Approved: Howard County Department of Planning and Zoning

Richard Blood
Chief, Division of Land Development and Research
Date: 1/30/96

Chief, Development Engineering Division
Date: 2/14/96

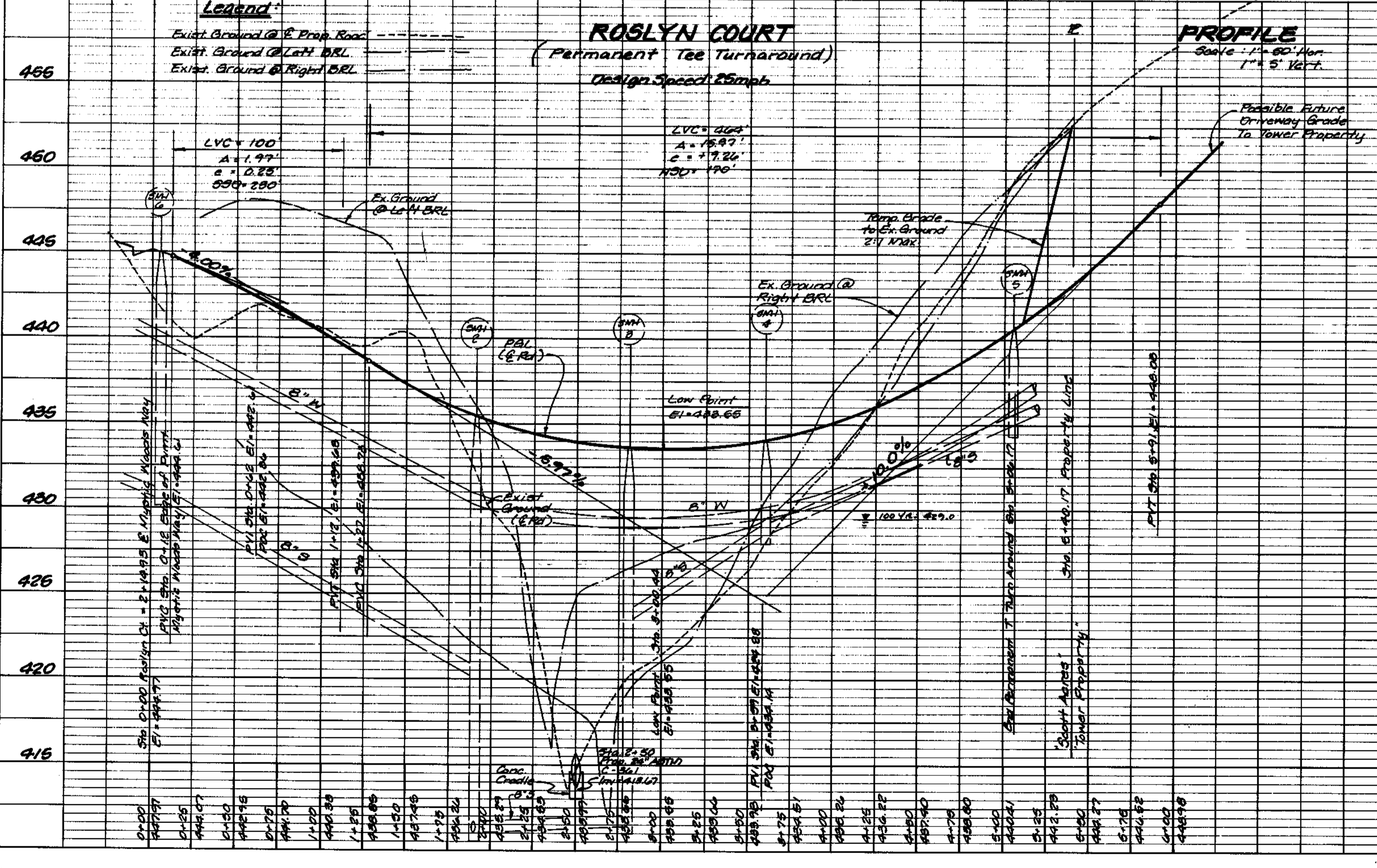
APPROVED: DEPARTMENT OF PUBLIC WORKS FOR STORM DRAINAGE SYSTEMS AND ROADS.

Richard M. Denebo
Chief, Bureau of Highways
Date: 3-27-96



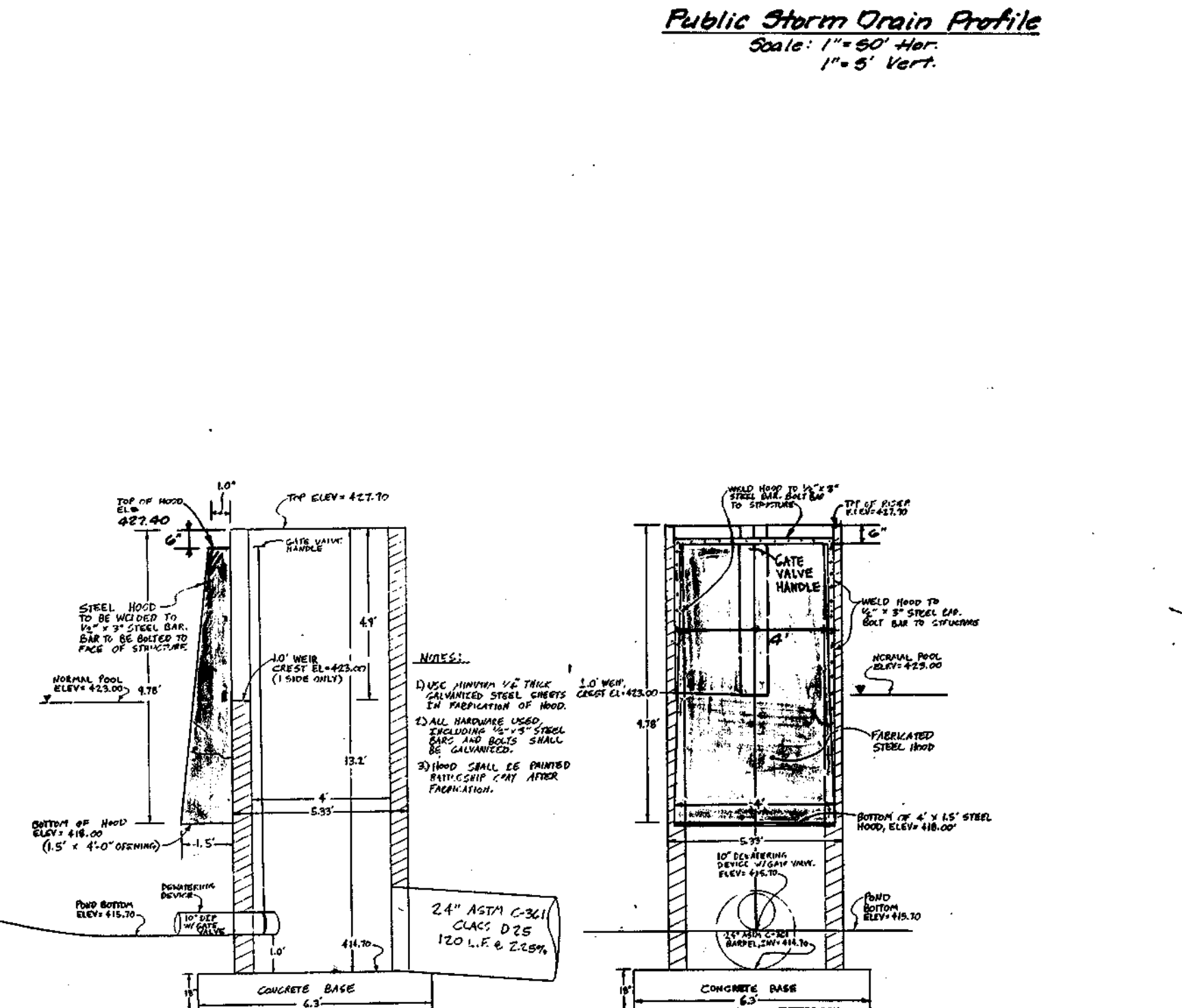
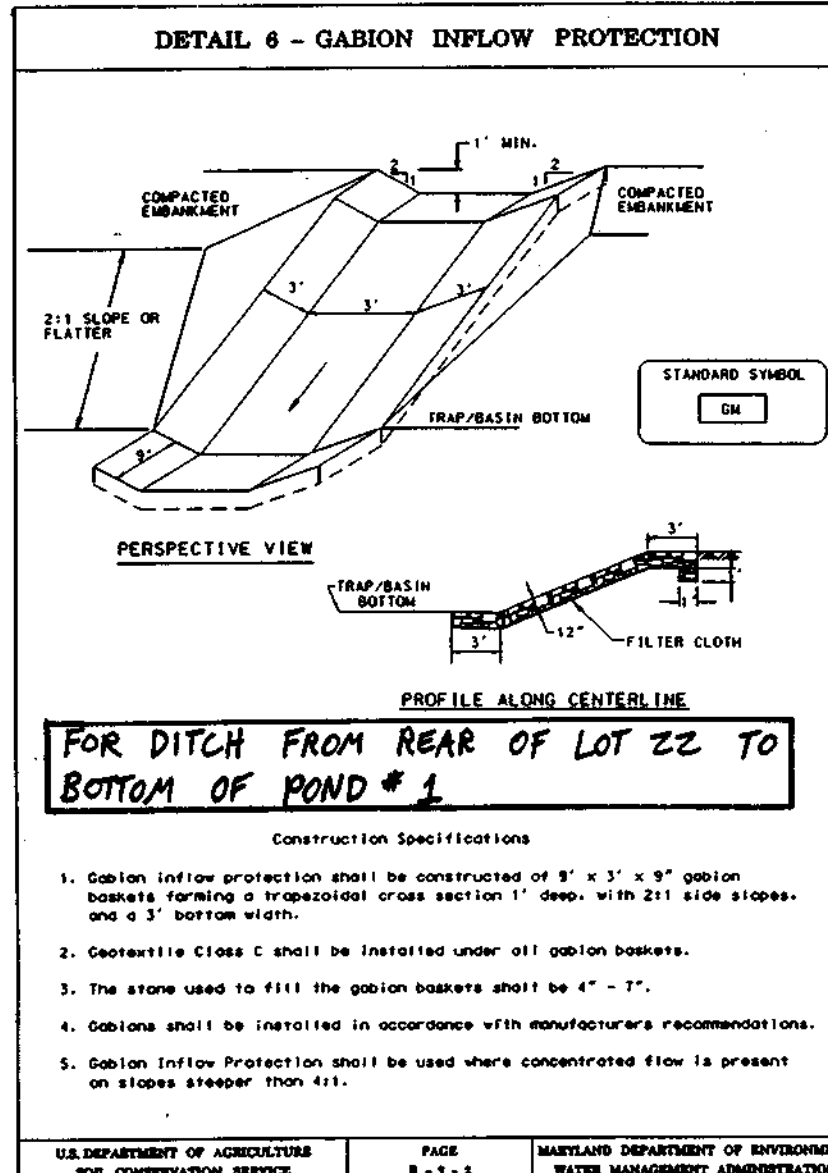
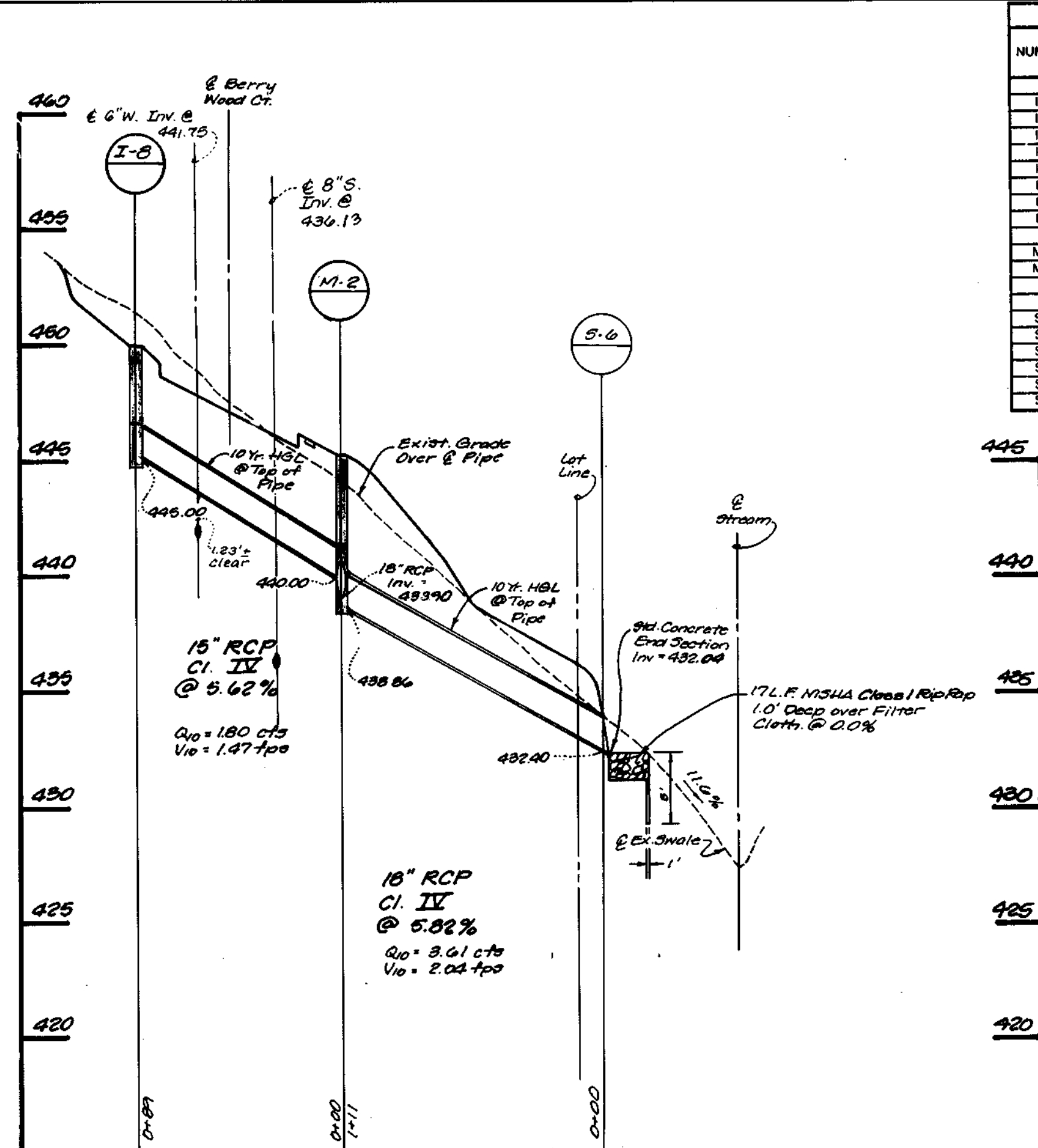
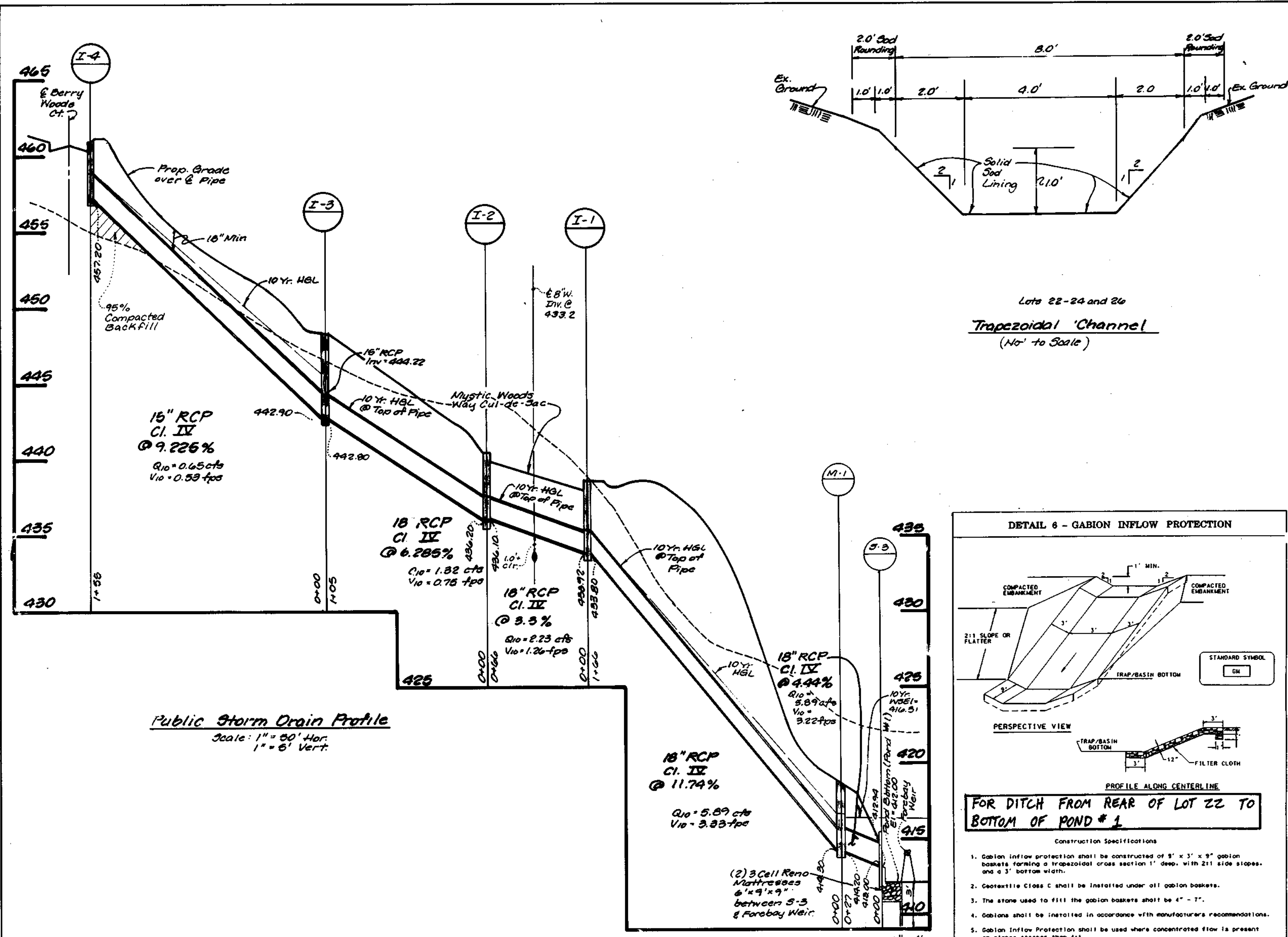
LDE, INC.
9250 Rummey Road, Suite 106, Columbia, MD 21045
(410) 715-1070 • (301) 596-3424 • (410) 715-0681 (fax)

Designed: SOH	ROSLYN COURT Plan & Profile SCOTT ACRES A Resubdivision of Lots 5, 6 and 7 Lots 10-32 Tax Map No. 35 P/O Parcel 353 5th Election District Howard County, Maryland Previous Submittals: F77-112, B480-08, C483-11E, S95-12, P94-02, N94-74 OWNER/DEVELOPER LOT 1 IMPROVEMENT CORP. 8855 P Columbia 100 Pkwy. Columbia, MD 21045	Scale: 1" = 50'
Drawn: E.D.B.		Sheet: 4 of 12
Checked: BOB		LDE Job No: 94-161
Date: Jan. 1996		File No: F 96-105

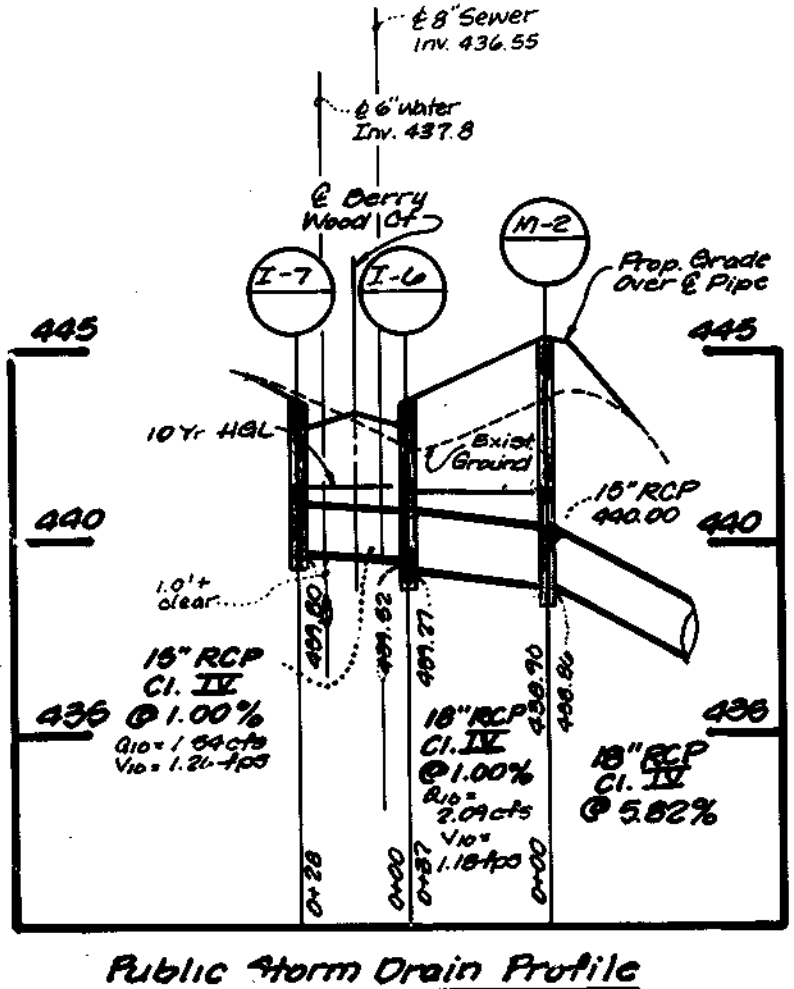
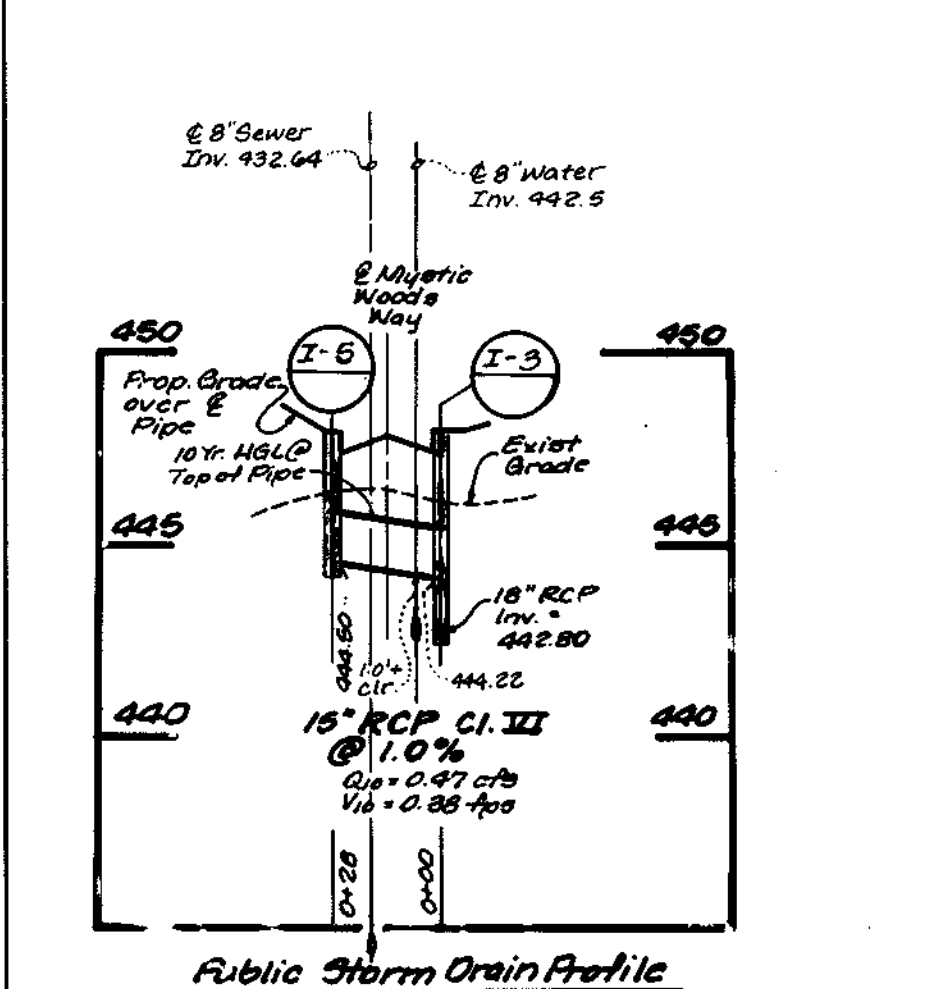
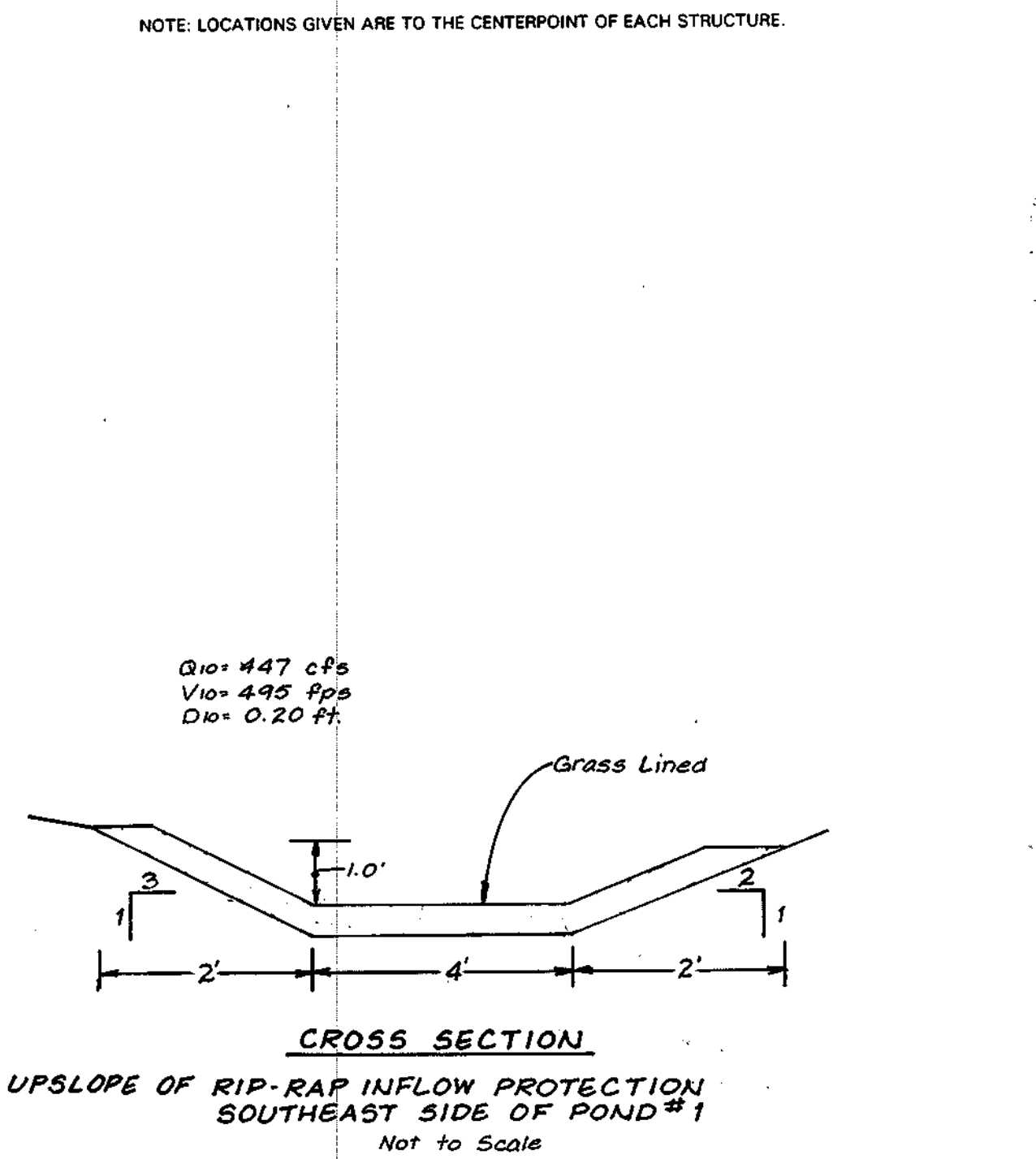


By	Date	No.	Description
STB	2/01	1	Revised Ditch Linings along Roslyn Court. Revised Lot Numbers and Revised Rip Rap Inflow into Pond #1.

18281



STRUCTURE SCHEDULE								
NUMBER	TYPE	INV. IN	INV. OUT	UPPER	LOWER	DETAIL	LOCATION	
I-1	A-10	434.0	433.82	433.80	436.55	SD 4.02	Mystic Woods Cul-de-Sac LP STA 1 - 29.85	
I-2	A-10	436.20	436.10	440.88	440.32	SD 4.02	Mystic Woods Cul-de-Sac LP STA 0 + 58.25	
I-3	A-5	444.22	442.9	442.80	448.28	447.57	SD 4.01	Mystic Woods STA 1 - 78.00, 12' Right
I-4	A-5	444.50	443.22	447.39	448.01	SD 4.01	Mystic Woods STA 1 - 78.00, 12' Left	
I-5	A-5	445.00	445.00	457.20	461.21	460.46	SD 4.01	Berry Wood Ct. STA 1 - 79.00, 12' Right
I-6	A-5	439.52	439.27	443.63	443.40	SD 4.01	Berry Wood Ct. STA 4 - 33.67, 12' Right	
I-7	A-10	439.80	443.84	443.42	SD 4.02		Berry Wood Ct. STA 4 - 33.67, 12' Left	
I-8	A-10	445.00	450.35	449.56	SD 4.02		Berry Wood Ct. STA 3 - 14.67, 12' Left	
M-1	SHALLOW MANHOLE	414.30	414.20	418.70	G. 5.12	N. 554317.08	E. 1335258.86	
M-2	STD MANHOLE	440.0	438.90	438.86	445.40	G. 5.12	Berry Wood Ct. STA 3 - 97.00, 19' Right	
S-1	TYPE 'C' ENDWALL	406.63	406.63	409.38	SD 5.21	N. 554410.864	E. 1335466.112	
S-2	SEE DETAIL	412.00	412.00	417.33	Sheet 7	N. 554255.507	E. 1335400.00	
S-3	TYPE 'C' ENDWALL	413.00	412.94	415.19	SD 5.21	N. 554231.44	E. 1335253.84	
S-4	TYPE 'C' ENDWALL	412.00	412.00	414.25	SD 5.21	N. 554448.90	E. 1335115.21	
S-5	SEE DETAIL	415.70	414.70	427.90	Sheet 7	N. 554275.222	E. 1335274.885	
S-6	CONCRETE END SEC	432.40	432.04	433.98	SD 5.51	N. 554230.32	E. 1334842.07	



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. Zickman
Natural Resource Conservation Service
Date 8/16/96

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

Robert W. Zickman
Howard Soil Conservation District
Date 8/16/96

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Richard Blood
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH
8/30/96
DATE

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

Andrew M. Decker
CHIEF, BUREAU OF HIGHWAYS
8-27-96
DATE

ENGINEER'S CERTIFICATE

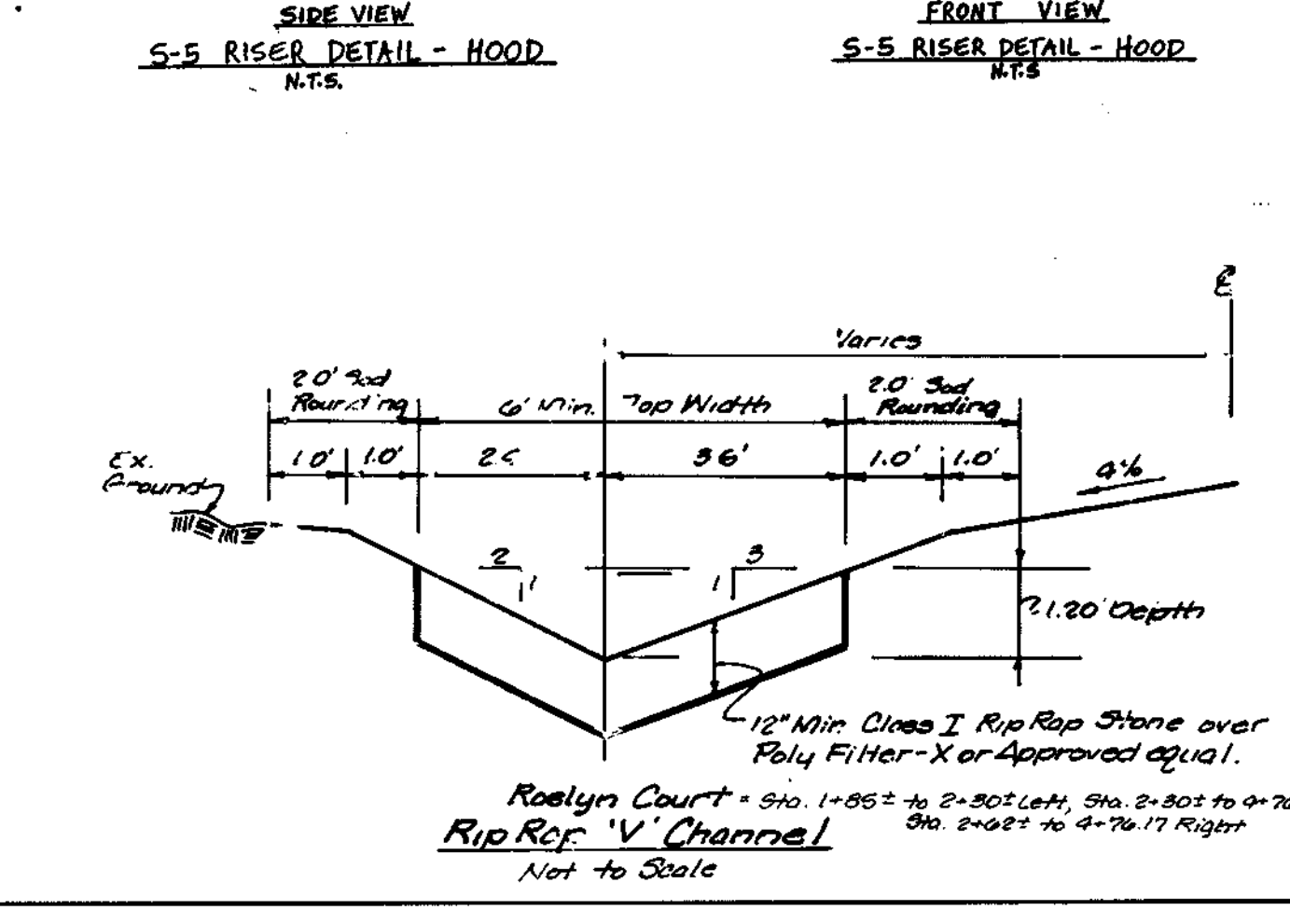
I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer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

Bruce D. B...
Signature of Engineer
8/5/96
Date

DEVELOPER'S CERTIFICATE

I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by Howard Soil Conservation District.

Signature of Developer
8/15/96
Date



REVISIONS	
By	Description
BTB	2/01 Δ Revised Stationing & Stabilization on Royaln Court Ditch Profile

DESIGNED: S.D.H.
DRAWN: BEI
CHECKED: B.D.B.
DATE: Jan. 1996

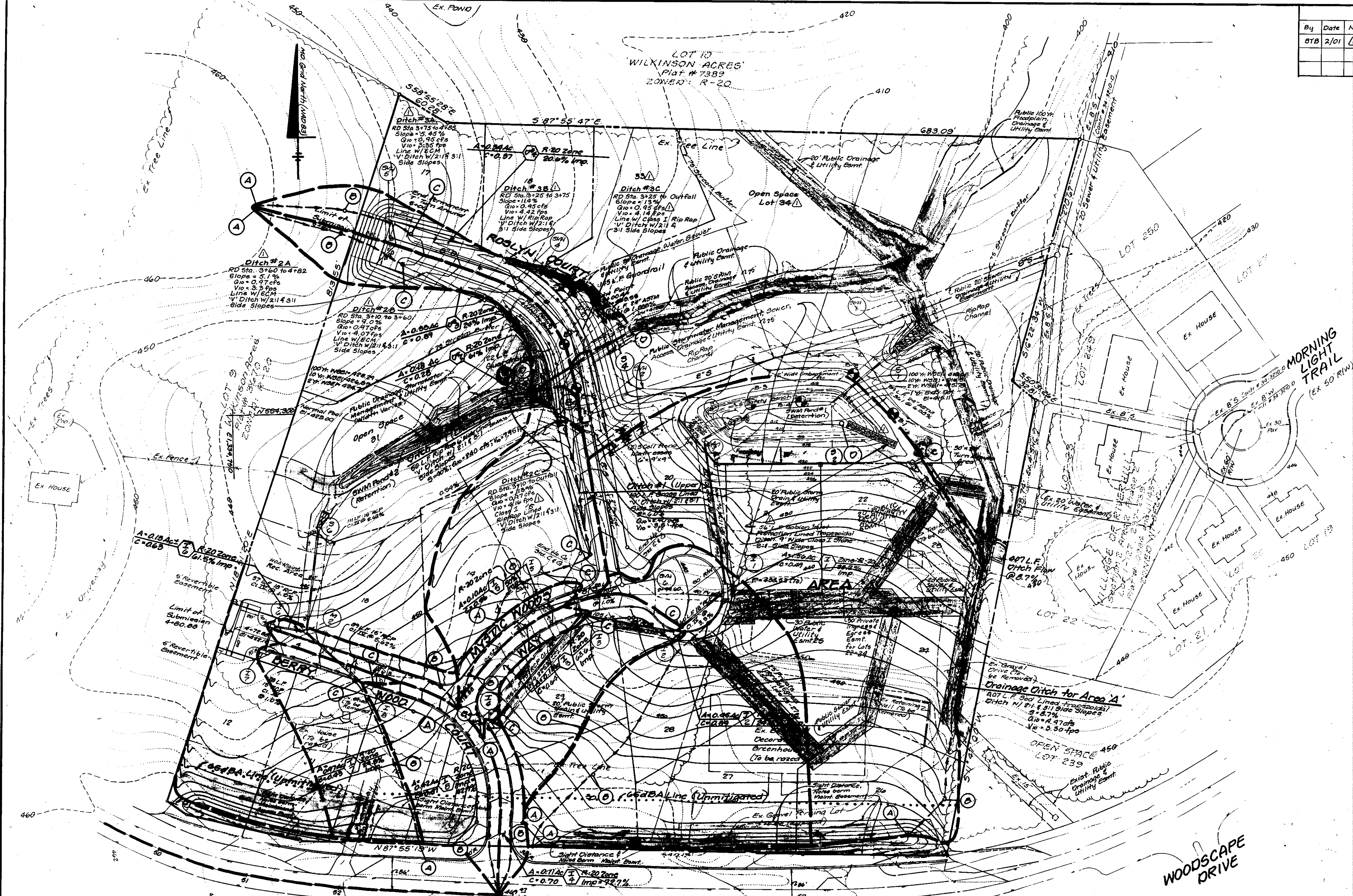
OWNER/DEVELOPER: LDE, INC.
9250 Rumsey Road, Suite 106, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

SCALE: As Shown
DRAWING: 6 of 12
JOB NO.: 94-161
FILE NO.: F96-106

Lot 1 Improvement Cont.
0036 Columbia 100 Pkwy Unit P
Columbia, Maryland 21045

18281

REVISIONS			
By	Date	No.	Description
STB	2/01	1	Revise Side Ditch Information on Roslyn Court. Revise Pond #1 Rip-Rap Inflow Apron.



AREA OR TO BEET	SEGMENT	SEGMENT	SEGMENT
AREA B	A-B	B-C	C-D
11	100 @ 2%	200 @ 10%	40 @ 2.4% (S)
12	100 @ 10.5%	150 @ 10.5%	
13	50 @ 3%		100 @ 7% (S)
14	50 @ 2%		100 @ 8.2% (S)
15	50 @ 3%		100 @ 7% (S)
16	50 @ 3%		100 @ 8.3% (S)
17	100 @ 10%	100 @ 10%	100 @ 8.3% (S)
18	50 @ 2%		200 @ 7.8% (S)
AREA W	50 @ 27.5%		50 @ 8.7% (S)
DITCH #1	50 @ 8%	50 @ 10%	100 @ 8.2% (S)
DITCH #2	100 @ 7%	75 @ 25%	200 @ 13% (S)
DITCH #3	100 @ 7%	75 @ 25%	200 @ 13% (S)
SEGMENT A-B: OVERLAND FLOW SEGMENT B-C: SHALLOW CONCENTRATED FLOW SEGMENT C-D: GUTTER (OR DITCH) FLOW			

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]
Natural Resource Conservation Service

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

[Signature]
Howard County Soil Conservation District

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

CHIEF, BUREAU OF HIGHWAYS

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

[Signature]
CHIEF, BUREAU OF HIGHWAYS

DATE: 4/27/96

ENGINEER'S CERTIFICATE

I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he/she must engage a qualified professional engineer to supervise pond construction and provide the Howard Soil Conservation District with a "as-built" plan of the pond within 30 days of completion.

[Signature]
BRIAN D. BERTON
Professional Engineer

DATE: 4/5/96

DEVELOPER'S CERTIFICATE

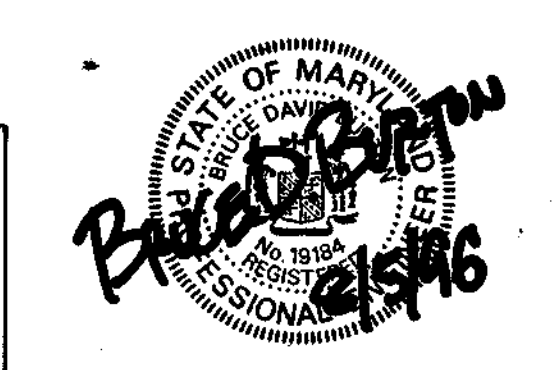
I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by Howard Soil Conservation District.

[Signature]
Date: 4/15/96

Approved: Howard County Department of Planning and Zoning.

[Signature]
Richard Blood
Chief, Division of Land Development & Research

[Signature]
Date: 4/20/96
Chief, Development Engineering Division



LDE, INC.
9250 Rumsey Road, Suite 106, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

Designed: SOH
Drawn: E.O.B.
Checked: B.O.B.
Date: Jan. 1996

Drainage Area Map
SCOTT ACRES
A Re-subdivision of Lots 6, 6 and 7
Tax Map No. 35 - P/O Parcel 353
5th Election District
Howard County, Maryland
Previous Submittals: F 77-112, BA80-06, BA83-11F, 595-12, P 90-05, NP 90-90

Scale: 1" = 50'
Sheet: 8 of 12
LDE Job No: 94-161
File No: 176-106

CONVERT DEVELOPER
LOT 1 IMPROVEMENT CORP
5935 P. Columbia 100 Pkwy
Columbia, MD 21045

18281

Legend:

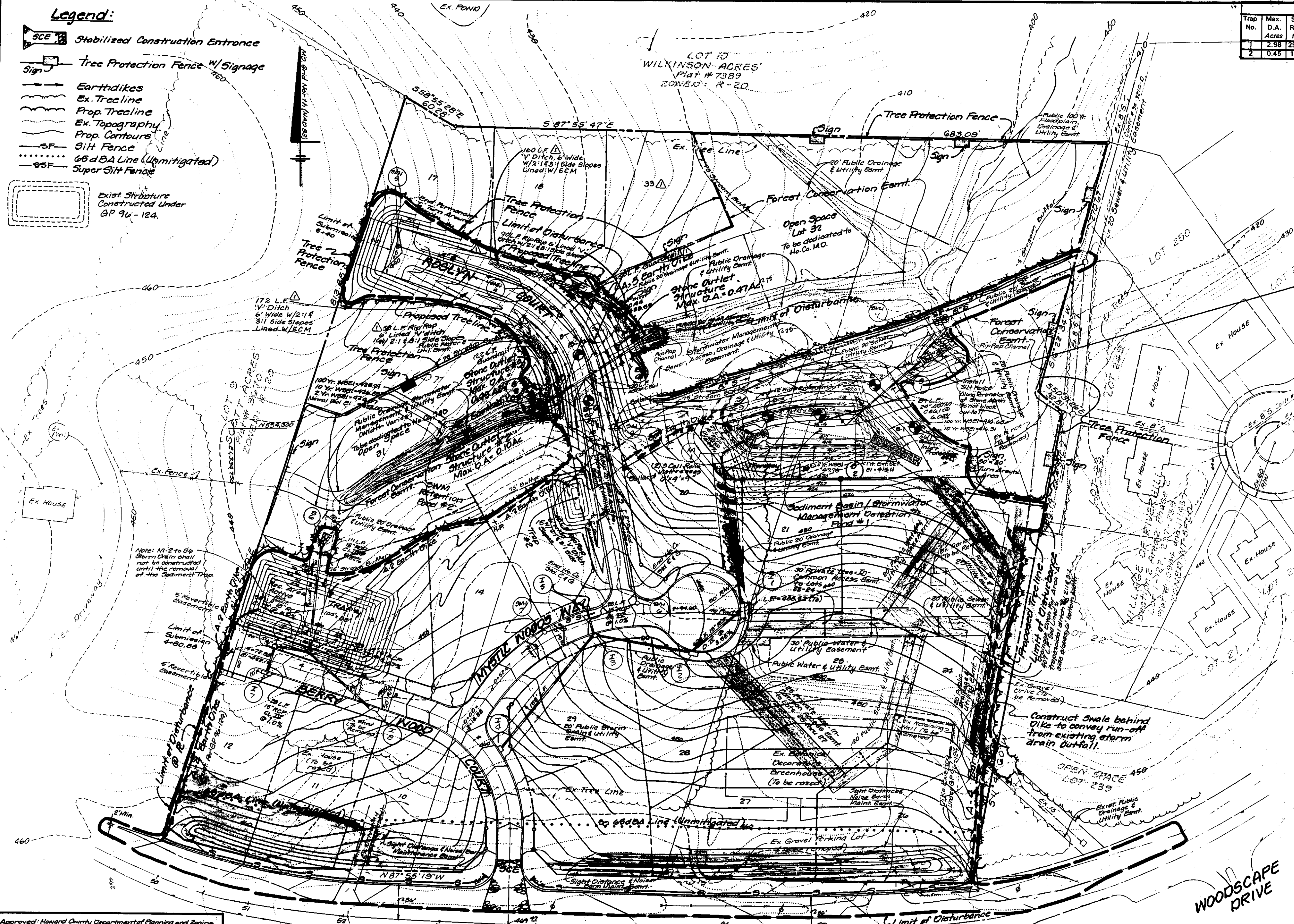
- SCE Stabilized Construction Entrance
- Tree Protection Fence w/ Signage
- Earthdikes
- Ex. Treeline
- Prop. Treeline
- Ex. Topography
- Prop. Contours
- SF 66 a BA Line (Unmitigated)
- SF Super Silt Fence
- Exist. Structure Constructed Under GP 94-124.

Trap No.	Max. D.A. Acres	Stor. Req. ft ³	Stor. Prov. ft ³	Stor. Elev.	Stor. Depth ft.	Weir Length ft.	Bottom Elev.	Clean. Elev.	Crest Elev.	Top Elev.	Trap Size	Type
1	2.98	29397	31608	436	6	430	433	436.5	438	104 x 33	ST-11	
2	0.45	1820	1897	436	4	432	434	437	438	5' x 23'	ST-11	

** Bottom Dimensions

Excavator Note: Contours shown on this plan as existing may be different than those encountered at the time roadway grading / construction commences. Refer to approved Grading Plan GP 94-124 for interim contours. Contours shown as proposed on the approved Grading Plan reflect the proposed contours shown on this Grading and Sediment Control Plan.

Note: See Sediment Basin Plan & Details, sheet 11 of 12 for temporary sediment basin construction details



SUMMARY TABLE

POND # 1 (EXTENDED DETENTION/ DETENTION POND)

HAZARD CLASSIFICATION "A"

DRAINAGE AREA = 4.02 Acres

YEAR	SWM POND		
	2 YEAR	10 YEAR	100
Total Existing Flow @ S.P. 'A'	(cfs) 19	65	127
Unmanaged Flow	(cfs) 18	54	103
Allowable Release	(cfs) 2	11	---
Computed Inflow	(cfs) 7.9	16.3	25.9
Facility Discharge	(cfs) 0.12	11	23.8
Elevation at Discharge	415.78	416.31	416.68
Storage at Elevation	ac. ft. 32	41	46
Total Developed Flow @ S.P. 'A'	(cfs) 13	53	125

SUMMARY TABLE

POND # 2 (RETENTION POND)

HAZARD CLASSIFICATION "A"

DRAINAGE AREA = 15.91 Acres

YEAR	SWM POND		
	2 YEAR	10 YEAR	100
Total Existing Flow @ S.P. 'A'	(cfs) 19	65	127
Unmanaged Flow	(cfs) 11.7	41.8	76.2
Allowable Release	(cfs) 8	27	---
Computed Inflow	(cfs) 10.8	32	59.5
Facility Discharge	(cfs) 7.3	23.2	50.8
Elevation at Discharge	424.77	426.83	428.29
Storage at Elevation	ac. ft. 15	41	70
Total Developed Flow @ S.P. 'A'	(cfs) 13	53	125

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

[Signature] 1/15/96

Approved: Howard County Department of Planning and Zoning

[Signature] 1/30/96
Chief Division of Land Development, Planning and Research

[Signature] 1/30/96
Chief, Development Engineering Division

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

[Signature] 1/16/96
Howard Soil Conservation District

Property of Cecil F. Cole, Et. Al.
L. 867 F. 589
Parcel 643

GUILFORD ROAD

MD ROUTE 32

ENGINEER'S CERTIFICATE

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

[Signature] 1/15/96
Signature of Engineer

Collection
Lots 1-3
Plat # 5423

Lot 1

APPR'D: D. P. W. for Storm Drainage System & Roads

[Signature] 8-27-96
C.E., S.U.L. OF MARY.

By	Date	No.	Description
STB	2/01	1	Revised Ditch Linings along Roslyn Court. Revised Rip-Rap Inflow - Pond #1.
REVISION			



LDE, INC.
9250 Rumsey Road, Suite 108, Columbia, MD. 21045
(410) 715-1070 (301) 598-3424 (410) 715-9540 (Fax)

Designed: 50H
Drawn: E.O.B.
Checked: 808
Date: Jan. 1996

Grading & Sediment Control Plan
SCOTT ACRES
A Resubdivision of Lots 5, 6 and 7
Lots 10-32
Tax Map No. 35 P/O Parcel 353
5th Election District
Howard County, Maryland

Previous Submittals: FTT-112, G480-08, G483-116, 555-12, F76-03, W92-94

Scale: 1" = 50'
Sheet: 9 of 12
LDE Job No: 94-167
File No: F96-105

6281

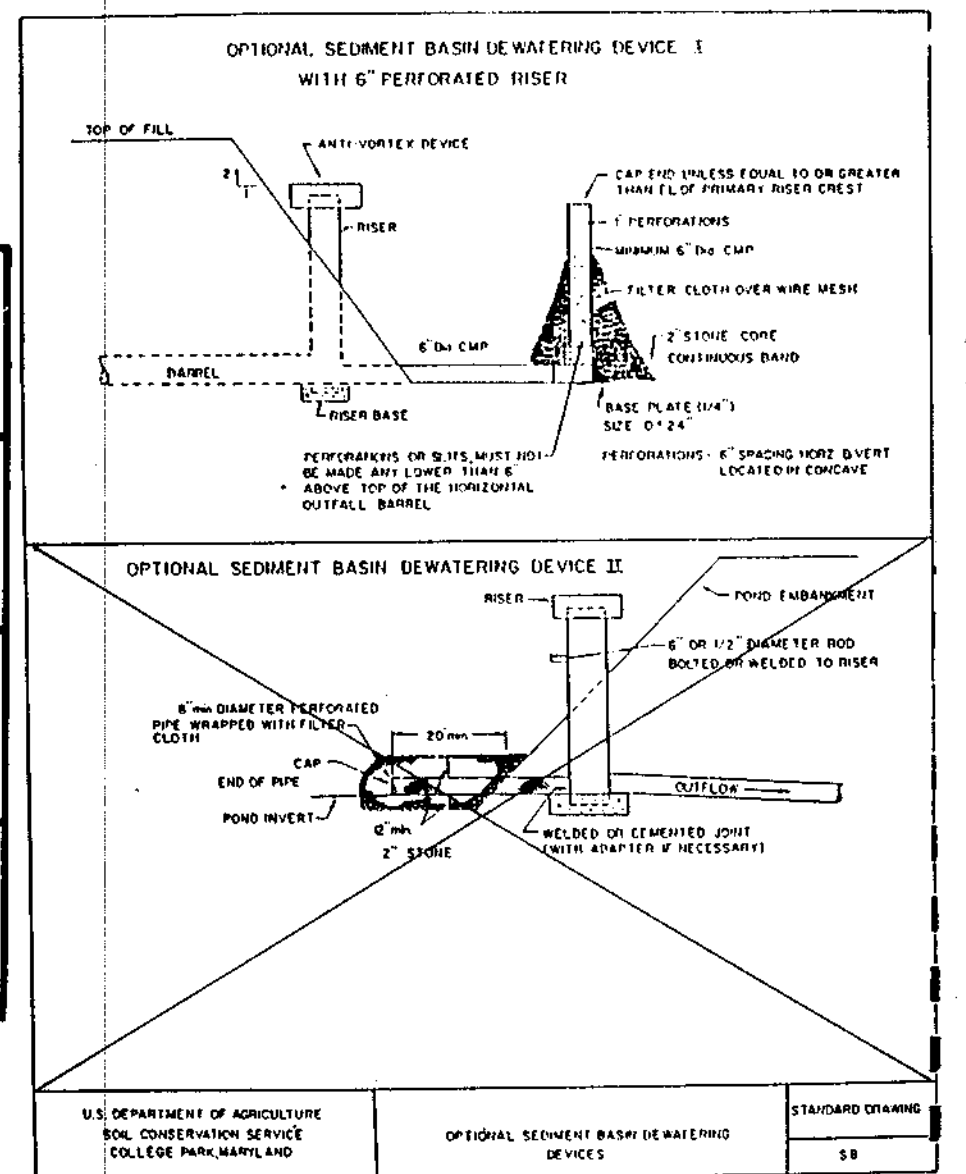
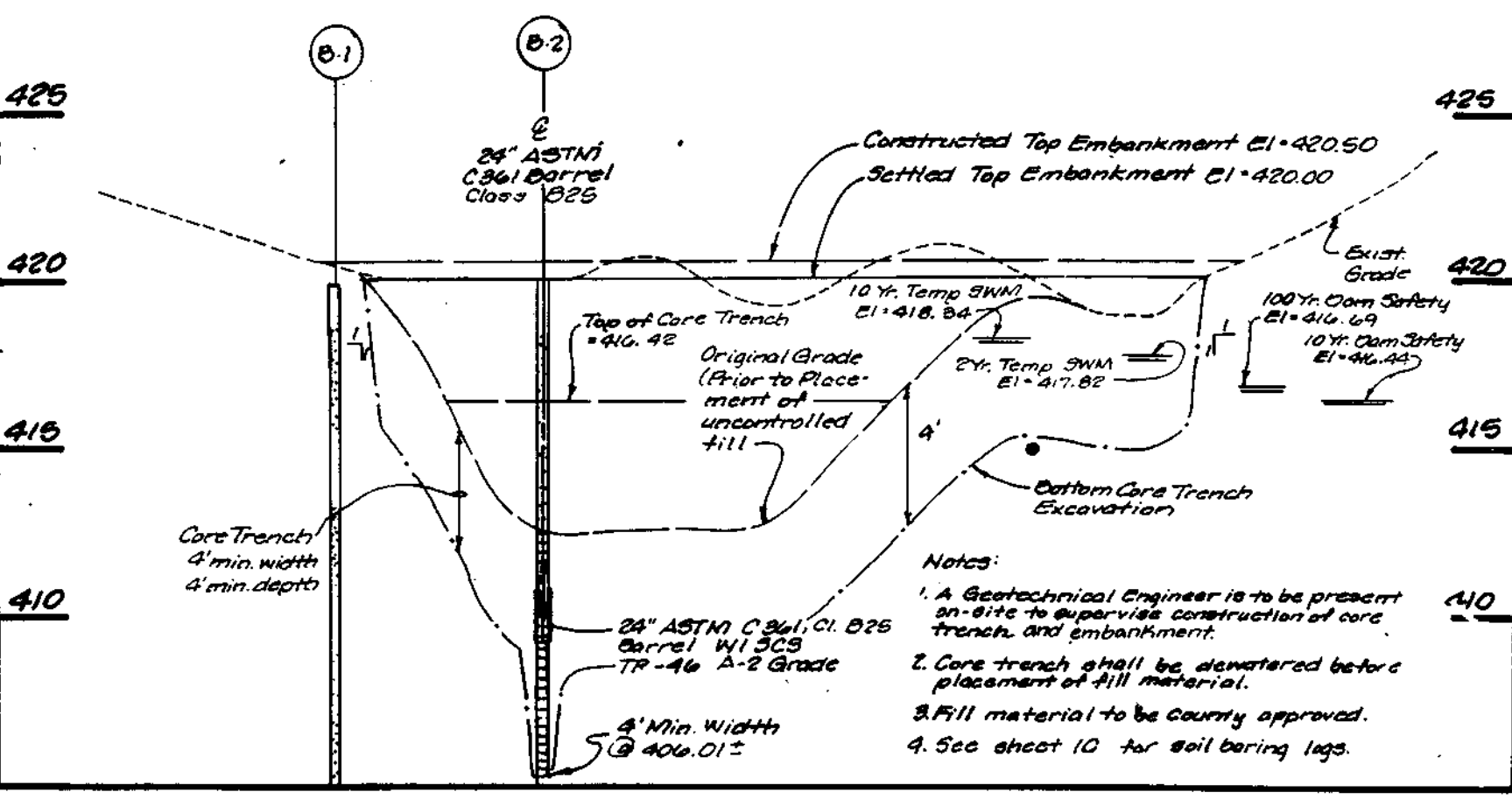
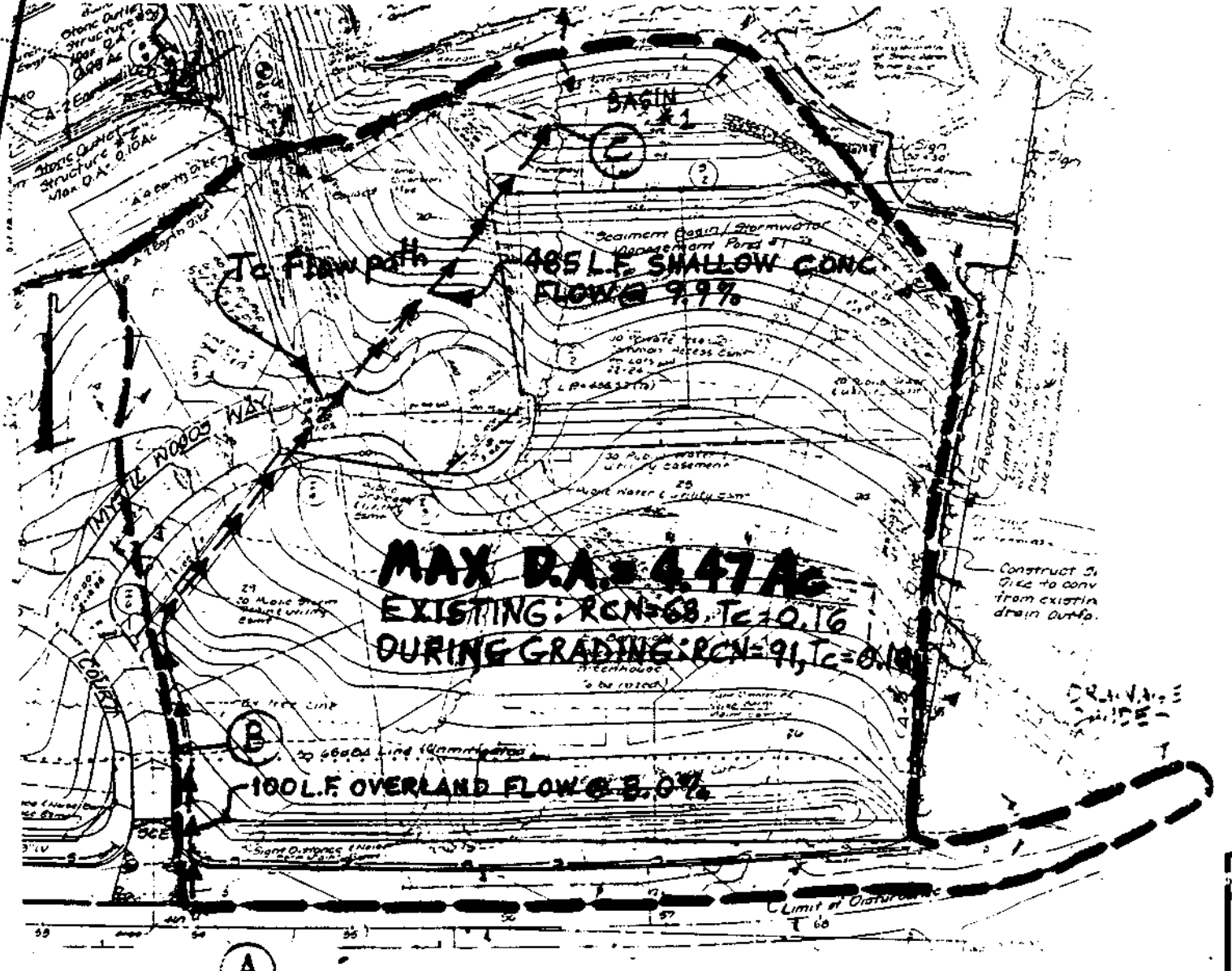
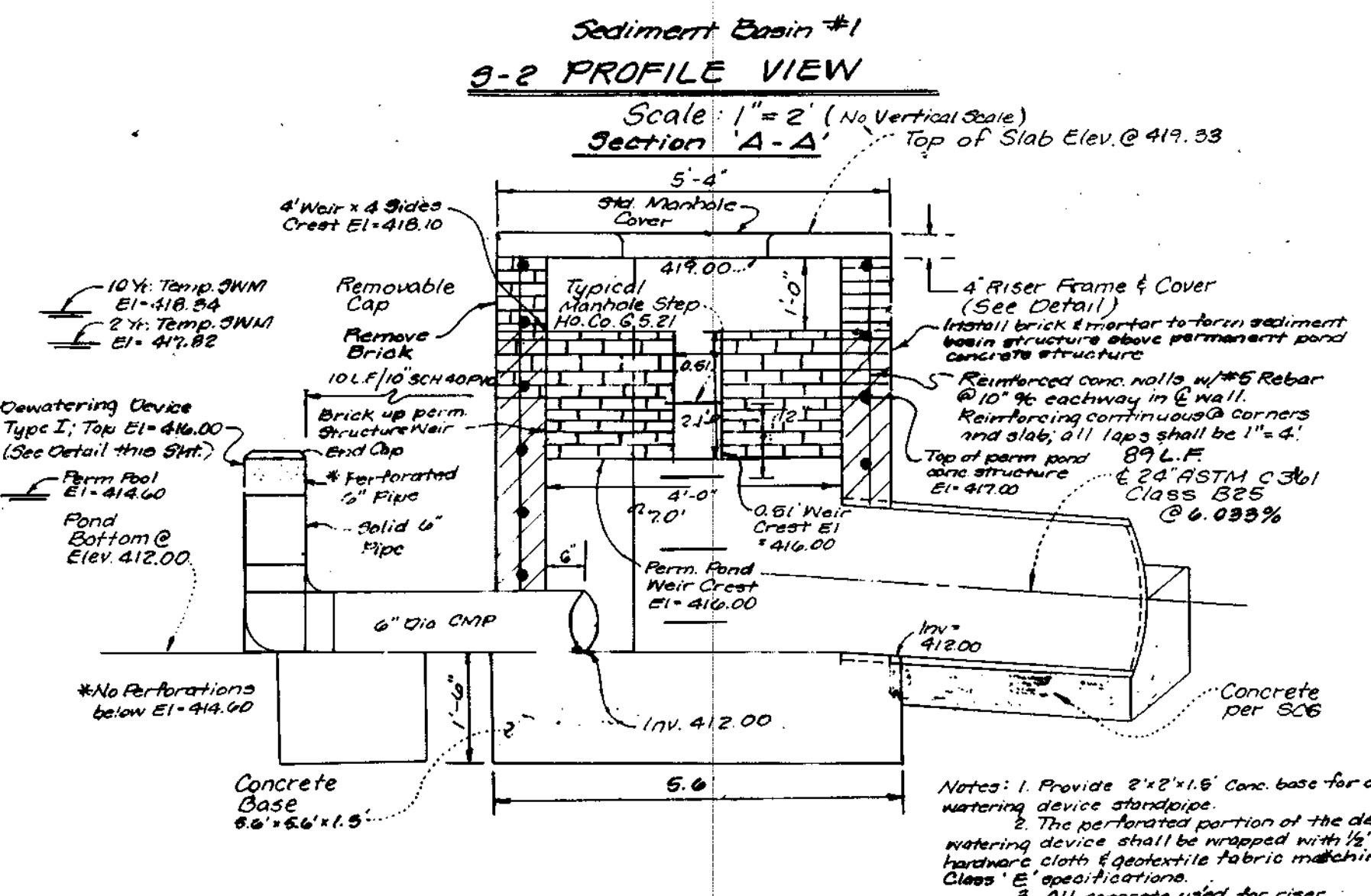
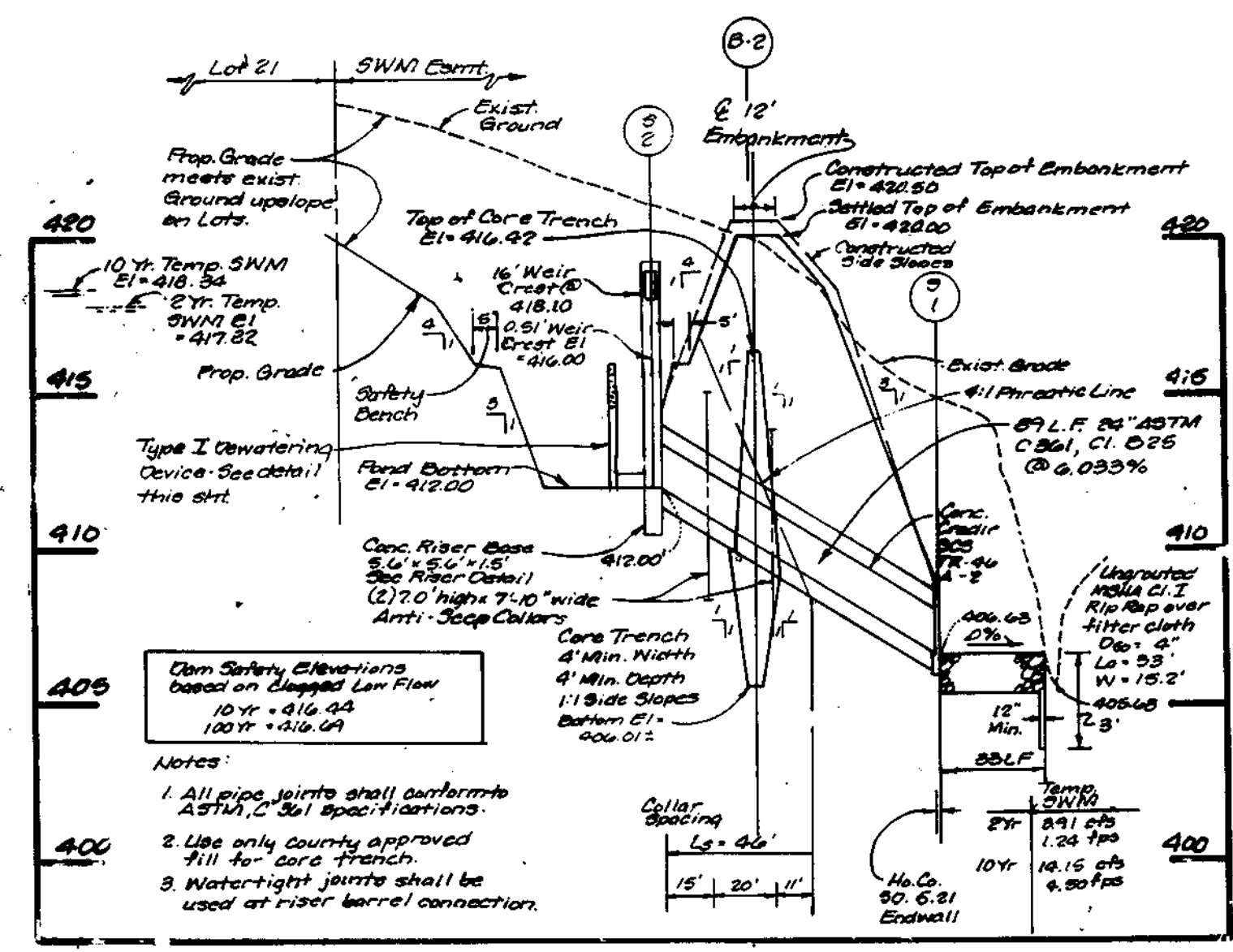
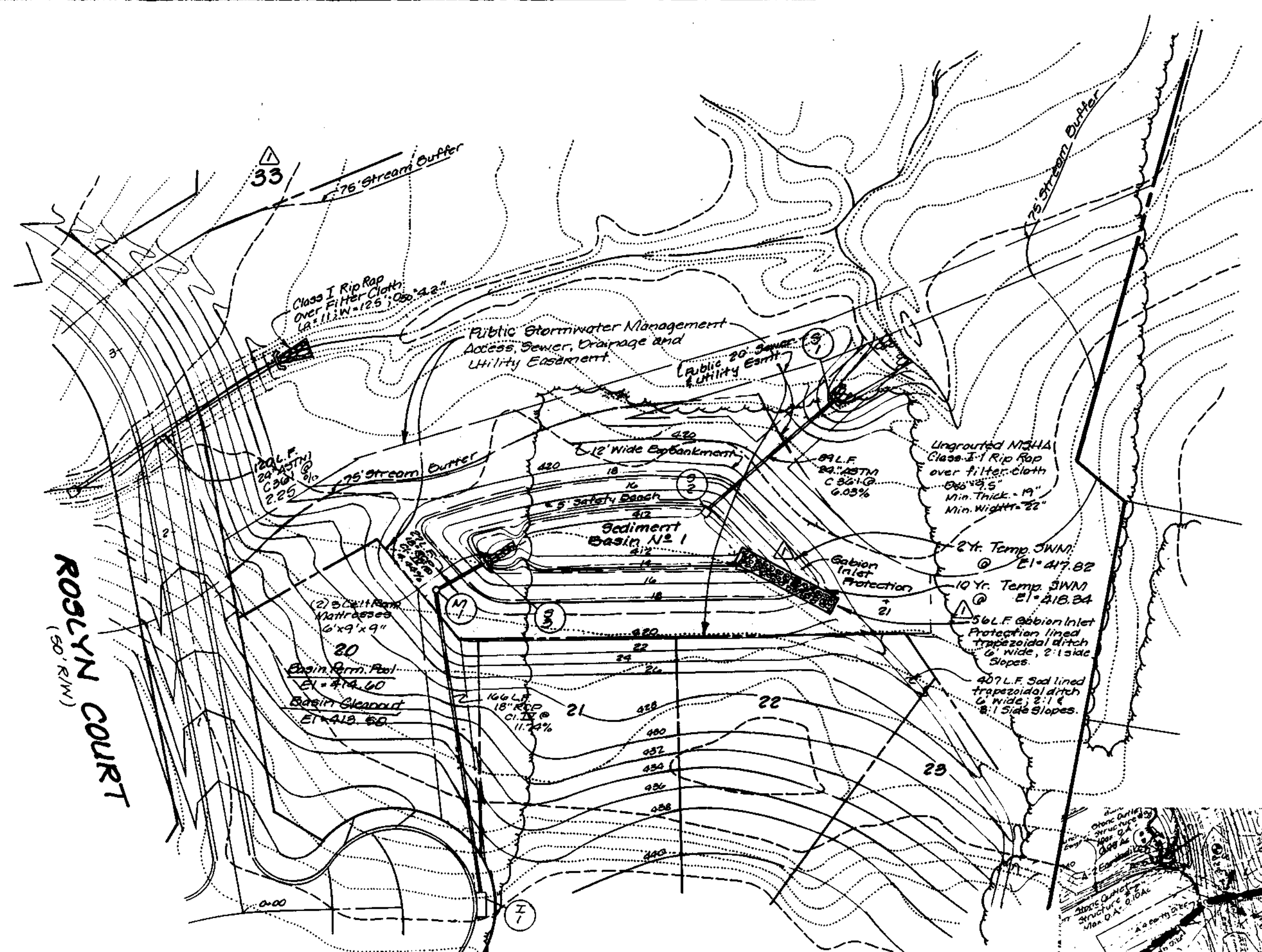


Figure 2: Temporary Sediment Basin Design Data Sheet

Computed by: *SM* Date: *5/30/96* Checked by: *BOB* Date: *May 96*

Project name: *Scott Acres*

Location: *Clarksville, Howard County, Maryland*

Total area draining to basin: *4.97* acres (ac)

Basin Volume Design

1. Min. required vol. = $5400 \text{ ft}^3 @ 4.47 \text{ ft storage} = 16,012 \text{ ft}^3$
2. Actual Volume of basin = $28,917 \text{ ft}^3 @ 4.47 \text{ ft} = 8016 \text{ ft}^3$
3. Excavate: 8016 ft^3
4. Vol. of dewatering tank = $1000 \text{ ft}^3 @ 4.47 \text{ ft} = 4023 \text{ ft}^3$
5. Vol. of basin at elevation = $900 \text{ ft}^3 @ 4.47 \text{ ft} = 4023 \text{ ft}^3$
6. Excavation required to meet required volume of basin (over crest elevation) = 416.00 ft^3
7. Excavation required to meet required volume of basin (over crest elevation) = 416.6 ft^3
8. Distance from crest elevation to permanent pond elevation = 1.4 ft (RISER CREESTS 416.00)
9. Basin elevation of crest = 412.5 ft
10. Distance from crest elevation to basin elevation = 2.5 ft

Spillway Design

11. $Q_c = 2.1$ (4' peak discharge from 10' x 21' basin event, attach computations)

Principal Spillway (SWS) (See Detail 11)

12. Design Peak Spillway Discharge (Design Q) = 2.1 cfs from 10' x 21' basin peak on 8' Downer's Type (NO EMERGENCY SPILLWAY)
13. H = 9.37 ft Basin Depth
14. Basin Depth = 2.4 ft (8' - 5.6' depth to exceed Design Q)
15. Q_c from Table 11 = 19.16 cfs (depth correction factor 0.85)
16. Basin Elevation = 412.5 ft (River Head Discharge)
17. Peak Discharge = 4.8 cfs (Peak Discharge)

NOTE: A table showing design data shall be included on the plan for each basin.

7 SQUARE CONCRETE RISER - INSIDE DIM. 4' x 4'; OUTSIDE DIM. 5.33' x 5.33'

** REBAR TRASHRACK FOR WEIR OPENINGS. 4'-1' x 4' OPENINGS.

Note: This plan to be used for temporary Basin only - not for permanent pond construction.

STB	2/01	Revised Rip-Rap Inflow into Pond #1. Revised Lot Number.
By	Date	No.

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 and the professional engineer who supervised the construction of the pond and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

Robert W. Johnson 5/16/96
Howard Soil Conservation District

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

Bruce D. Burton 5/19/96
Signature of Developer

Approved: Howard County Department of Planning and Zoning

Richard Blood 5/30/96
Chief, Division of Land Development and Research

Chris P... .. 5/30/96
Chief, Development Engineering Division

Approved: Department of Public Works for Storm Drainage Systems and Roads

Andrew M. Davelo 5-27-96
Chief, Bureau of Highways

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

Robert W. Johnson 5/16/96
Natural Resources Conservation Service

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

Robert W. Johnson 5/16/96
Howard Soil Conservation District

LDE, INC.

9250 Rumsey Road, Suite 106, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED	S.D.H.	SCALE	As Shown
DRAWN	E.O.B.	11' on 12'	
CHECKED	B.D.B.	JOB NO.	94-16
DATE	Jan. 1996	FILE NO.	F96-10E

SEDIMENT BASIN PLAN AND DETAILS

SCOTT ACRES

A Resubdivision of Lots 5, 6, and 7
Lots 10 - 92

Previous Submittals: F77-112, D480-08, B048-115, 595-12, 595-05, 595-06, 595-07, 595-08, 595-09, 595-10, 595-11, 595-12, 595-13, 595-14, 595-15, 595-16, 595-17, 595-18, 595-19, 595-20, 595-21, 595-22, 595-23, 595-24, 595-25, 595-26, 595-27, 595-28, 595-29, 595-30, 595-31, 595-32, 595-33, 595-34, 595-35, 595-36, 595-37, 595-38, 595-39, 595-40, 595-41, 595-42, 595-43, 595-44, 595-45, 595-46, 595-47, 595-48, 595-49, 595-50, 595-51, 595-52, 595-53, 595-54, 595-55, 595-56, 595-57, 595-58, 595-59, 595-60, 595-61, 595-62, 595-63, 595-64, 595-65, 595-66, 595-67, 595-68, 595-69, 595-70, 595-71, 595-72, 595-73, 595-74, 595-75, 595-76, 595-77, 595-78, 595-79, 595-80, 595-81, 595-82, 595-83, 595-84, 595-85, 595-86, 595-87, 595-88, 595-89, 595-90, 595-91, 595-92, 595-93, 595-94, 595-95, 595-96, 595-97, 595-98, 595-99, 595-100

5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

Owner/Developer
LOT 1 IMPROVEMENT CORP.
8835 P. Columbia 100 Pkwy.
Columbia, Maryland 21045 (410) 730-0810

18291

PLANTING NOTES - afforestation planting

- Forest Stand Delineation and the Preliminary Forest Conservation Plan prepared by Dennis J. LaBare, M.S. & Assoc.
- Written Documentation including afforestation location, construction protection and management, cost estimate, plant densities, etc. prepared by Dennis J. LaBare, M.S. & Assoc.
 - Construction Protection and Management: Upon completion of the rough grading of the afforestation areas, a protective fence and signs will be installed. Adjacent landowners will be informed about the existence and importance of these areas.
 - Post-Construction Protection: After completion and approval of planting, the protective fence shall remain only if construction and/or the visibility of the newly planted area. Signs will be removed after the two year maintenance period as directed by the Howard County Forest Conservation Manual.
- All planting to meet the implementation techniques and practices as described in the Howard County Forest Conservation Manual.
- There are no existing trees on the site.
- The hardwood container grown stock should be planted randomly at an average of eleven feet on center in a naturalized pattern. Species should be mixed with no less than three trees of one species in a group. Edge species should be planted on the perimeter of the afforestation area (Amelanchier, Cornus, and Viburnum).
- Evergreen seedlings should be planted randomly at an average of eight feet on center in a naturalized pattern.
- The Landscape Contractor will be responsible for general site preparation of the rough graded afforestation areas. The planting areas should be treated by incorporating natural mulch into the top twelve inches of soil. The contractor will provide needed soil amendments as determined by a soil analysis. Amendments should be natural materials such as organic mulch or leaf mold compost.
- All disturbed areas within the afforestation area to be seeded with K-31 Tall Fescue (March 1 - April 30 and August 1 - Oct. 15, seed with 80 lbs/acre; May 1 - July 31 use 60 lbs/acre K-31 and 2 lbs/acre of weeping lovegrass; Oct. 16 - Feb. 28 use 80 lbs/acre K-31 and mulch with 2 tons/acre well anchored straw or mulch and seed in the spring.
- Seeded areas to be hand mulched with 1 1/2 to 2 tons per acre of unrotted small grain straw and non-asphaltic tackifier left unmulched. All areas between the Site Line Easement and the ROW of Guilford Road shall be seeded with K-31 Fescue and mowed once a year.
- The Landscape Architect will inspect the planting at the end of the construction period and provide to the County a certification that all plantings have been installed and that all protection devices are in place.
- The Landscape Contractor shall be responsible for management of afforestation areas for a period of two years, including needed watering, removal of dead or damaged material and control of undesirable species, fertilizing if necessary and control of pests, and replacement of plant material as described in the Howard County Forest Conservation Manual.
- All inspections as required by the Forest Conservation Manual shall be performed by the Landscape Architect.
- For signage locations and protective tree fence locations, see sheet 4.

Notes: 1. This plan has been prepared in accordance with the provisions of Section 16.12 of the Howard County Code and the Landscape Manual.
 2. Financial Surety for the required Landscaping has been posted as part of the OPV Developer's Agreement in the amount of \$80,000.
 3. All street lights shall be located 24" minimum to 4" maximum behind the curb. No trees shall be located within 20' of any street light.
 4. The recreation open space, Landscape edges, sight distance and noise barrier easements shall be maintained by the homeowners association. COVER: R-20.

Forest conservation technique	area / sq. ft.	plant density	plants req.	plants shown
Landscape option (20%)	1300	40 trees/10,000sf	5 trees	6 trees
Afforestation w/ 1-2 gal. cont. stock (60%)	2260	350 trees/ac.	24 trees	26 trees
Afforestation w/ vgn seedlings (20%)	1950	700 trees/ac.	31 trees	31 trees

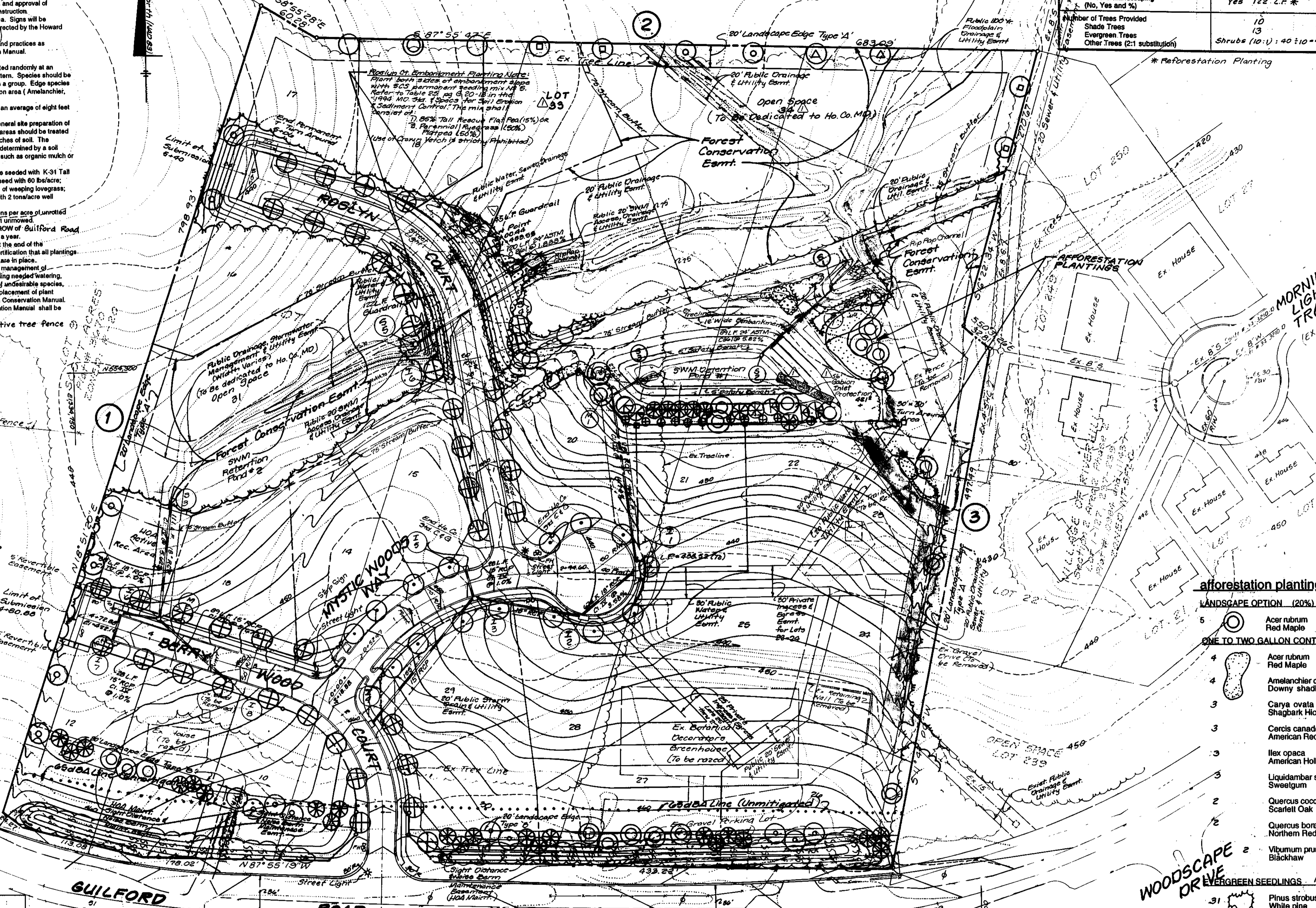
SCHEDULE D STORMWATER MANAGEMENT AREA LANDSCAPING		SCHEDULE A PERIMETER LANDSCAPE EDGE	
Linear Feet of Perimeter	964 L.F.	Category	Asphalt
Number of Trees Required	612 L.F.	Category	Concrete
Shade Trees 1:50	12	Category	Grass
Evergreen Trees 1:40	15	Category	Other
Credit for Existing Vegetation (No, Yes and %)	Yes 230 L.F.	Landscape Type	B A
Credit for Other Landscaping (No, Yes and %)	Yes 122 L.F.*	Linear Feet of Roadway Frontage/Perimeter	844 L.F. 2344 L.F.
Number of Trees Provided	10	Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	No 1750 L.F. Yes
Evergreen Trees	13	Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	No No
Other Trees (2:1 substitution)	Shrubs (10:1): 40:10=4	Number of Plants Required	Shade Trees (1:50) 17 Evergreen Trees (1:40) 21 Shrubs (10:1 substitution)
		Number of Plants Provided	Shade Trees 17 Evergreen Trees 22 Shrubs (10:1 substitution)
			(Describe plant substitution credits below if needed)

Comments: * Credit for existing vegetation 380 L.F. Edge ①, 210 L.F. Edge ② and 560 L.F. Edge ③

Note: Complex projects may require expansion of the schedule to accommodate multiple land uses on-site or on adjacent properties.

PERIMETER AND STORMWATER MANAGEMENT PLANNING SCHEDULE

NO.	KEY	BOTANICAL / COMMON NAME	SIZE	COMMENT
17	⊙	Acer rubrum Red Maple	2-2 1/2" - 3" cal.	B&B
6	⊙	Liquidambar styraciflua Sweetgum	2-2 1/2" - 3" cal.	B&B
17	⊙	Quercus rubra Red Oak	2-2 1/2" - 3" cal.	B&B
2	⊙	Quercus phellos Willow Oak	2 1/2" - 3" cal.	B&B
4	⊙	Fagus grandifolia American Beech	2 1/2" - 3" cal.	B&B
Evergreen Trees				
30	⊙	Pinus strobus Eastern White Pine	6"-8"	B&B
5	⊙	Pinus thunbergiana Japanese Black Pine	6"-8"	B&B
Shrubs				
11	⊙	Cornus stolonifera Red-Osier Dogwood	2 1/2" - 3" cal.	B&B or container
6	⊙	Ilex verticillata Winterberry Holly	3'-4'	container
12	⊙	Foraythia intermedia Stow Border Forsythia	2'-2 1/2'	container
11	⊙	Morinda chinensis Harbour Cheert Madina	18"-24" sp.	container



afforestation planting

LANDSCAPE OPTION (20%) 1300 SF

ONE TO TWO GALLON CONTAINERS 3250 SF

- 5 Acer rubrum Red Maple 2-1/2" - 3" cal. B&B
- 4 Acer rubrum Red Maple 2 gal. cont. avg spacing - 11'
- 4 Amelanchier canadensis Downy shadbrow 1 gal. cont.
- 3 Carya ovata Shagbark Hickory 2 gal. cont.
- 3 Cercis canadensis American Redbud 1 gal. cont.
- 3 Ilex opaca American Holly 1 gal. cont.
- 3 Liquidambar styraciflua Sweetgum 2 gal. cont.
- 2 Quercus coccinea Scarlett Oak 2 gal. cont.
- 2 Quercus borealis Northern Red Oak 2 gal. cont.
- 2 Viburnum prunifolium Blackhaw 1 gal. cont.
- 31 Pinus strobus White pine 6" ht. min. 1/8 - 1/4" cal.

GROUND COVERS:

Amount	Botanical/ Common	Rate	Comment
165 lbs	Coronilla varia Crown Vetch	92 lbs/ 1000 s.f.	Noise Berm/ Landscape Edge along Guilford Rd only
20lbs (full issue)	1. Tall Fescue (85%) Flat Top (15%)	2500/1000 s.f.	embankment stabilization
4lbs (others)	2. Buff Rye Grass (80%)	2500/1000 s.f.	embankment stabilization

STREET TREE TABLE

SYMBOL	COMMON NAME	BOTANICAL NAME	QTY	SIZE	REMARKS
⊙	Sargent Cherry	Prunus sargentii	15	2"-3 1/2" CAL.	B & B
⊙	Redspire Pear	Pyrus calleryana	42	2"-2 1/2" CAL.	B & B

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

[Signature]
Natural Resource Conservation Staff Service

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

[Signature]
Howard Soil Conservation District

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

[Signature] 4/15/96

ENGINEER'S CERTIFICATE

I certify that this plan for pond construction, erosion and sediment control represents a professional and workable plan based on my personal knowledge and the requirements of the Howard Soil Conservation District. I am a registered professional engineer and I hereby certify that I am qualified to supervise the pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

[Signature] 4/15/96

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 4/30/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

[Signature] 4/30/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION

STB 2/01

By	Date	No.	Description
			Revised Lot Numbers, Pond #1 Rip-Rap Inflow Protection, Lot Lines

REVISIONS

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

[Signature] 8-27-96
CHIEF, BUREAU OF HIGHWAYS

Coleview Lots 1-3 Plat # 5423

[Signature] 4/15/96

LDE, INC.
 9250 Rumsey Road, Suite 108, Columbia, MD. 21045
 (410) 715-1070 (301) 598-3424 (410) 715-9540 (Fax)

Scott Acres
 A Resubdivision of Lots 5, 6 and 7
 Lots 10-32
 Tax Map No. 35 P10 Parcel 353
 5th Election District
 Howard County, Maryland
 Previous Submittals: F77-112, B480-08, B483-116, 595-12, F76-03, MF76-96

OWNER/DEVELOPER
 LOT 1 IMPROVEMENT CORP.
 8855 P. Columbia 100 Pkwy.
 Columbia, MD 21045

Designed: SDH
 Scale: 1" = 50'
 Drawn: E.O.B.
 Sheet: 12 of 12
 Checked: BOB
 LDE Job No: 94-161
 Date: Jan. 1996
 Title No: F96-105

1829