

Note: A Fire Hydrant to service this property is located approximately 140 west of the property line of Parcel C along Stevens Forest Road

VILLAGE OF OWEN DROWN SECTION 5 AREA 1 PARCEL C DISTRICT HOWARD COUNTY MARYLAND

CERTIFICATION BY DEVELOPER
I certify that all development and/or construction will be done according to this plan of development, erosion and sediment control. I also authorize periodic on-site inspection by Howard Soil Conservation District or their authorized agents as are deemed necessary.

James T. Ramsey 11/4/78
Exxon Company U.S.A. Date

APPROVED: For public water and public sewerage systems. Howard County Health Dept.

Howard County Health Officer Date

APPROVED PLANNING BOARD OF HOWARD COUNTY
DATE 11-8-78

William A. Roach, Jr.
Date 9/15/78

PROFESSIONAL ENGINEER
I certify that this plan for erosion and sediment control represents a practical workable plan based on my personal knowledge of the site condition and that it was prepared in accordance with the requirements of Howard Soil Conservation District.

William A. Roach, Jr.
Date 9/15/78

THIS BLUEPRINT IS LOANED TO YOU AND MUST BE RETURNED WHEN IT HAS SERVED THE PURPOSE FOR WHICH INTENDED

REVISIONS:
5th REVISION
Per Howard County comments
10/78

REVISIONS:

EXXON COMPANY, U.S.A.
(A DIVISION OF EXXON CORPORATION)
POST OFFICE BOX 1288
BALTIMORE, MARYLAND 21203

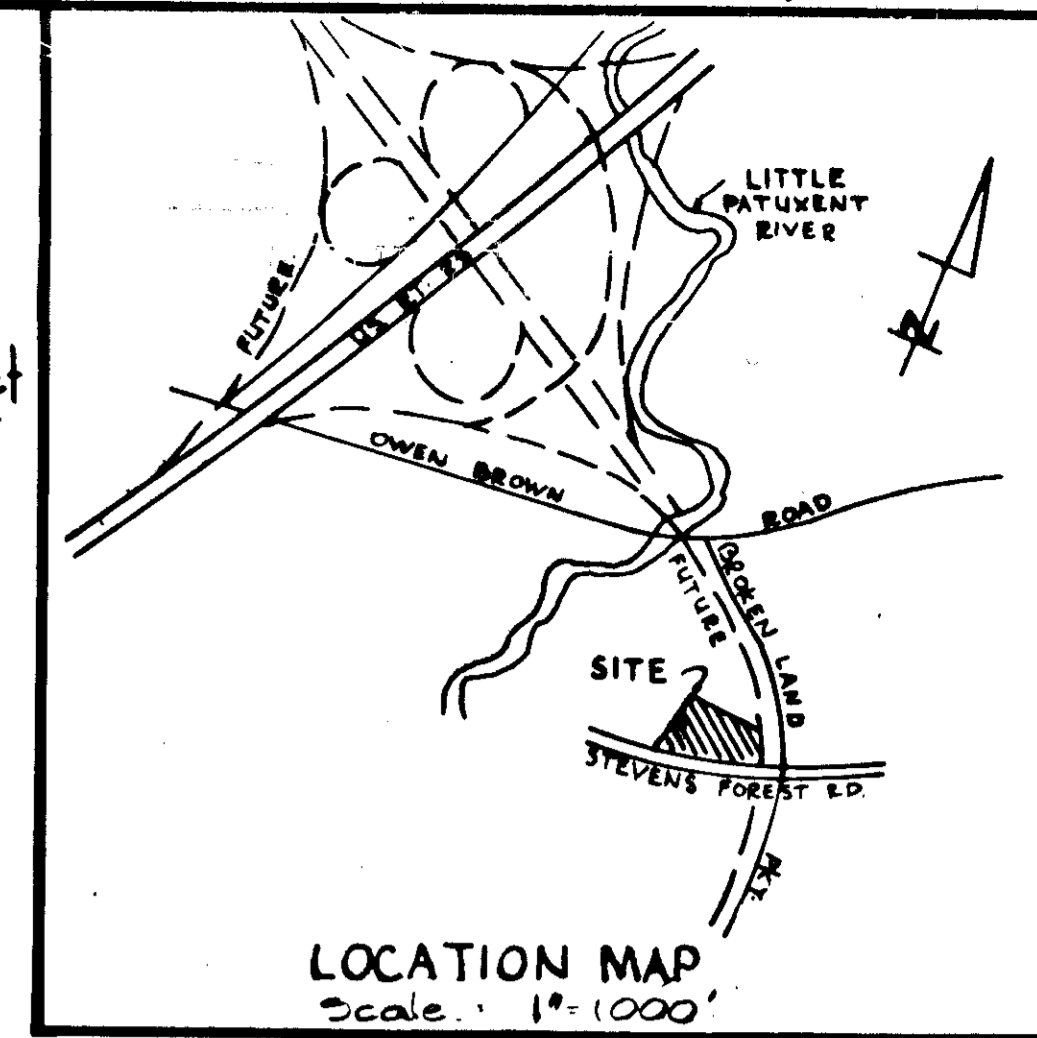
PURDUM & JESCHKE
1025 N. CALVERT STREET
BALTIMORE, MARYLAND 21202
301-637-0194

DRAWN BY: JOE GOTTI
CHECKED BY:
APPROVED BY:
SCALE: 1" = 20'

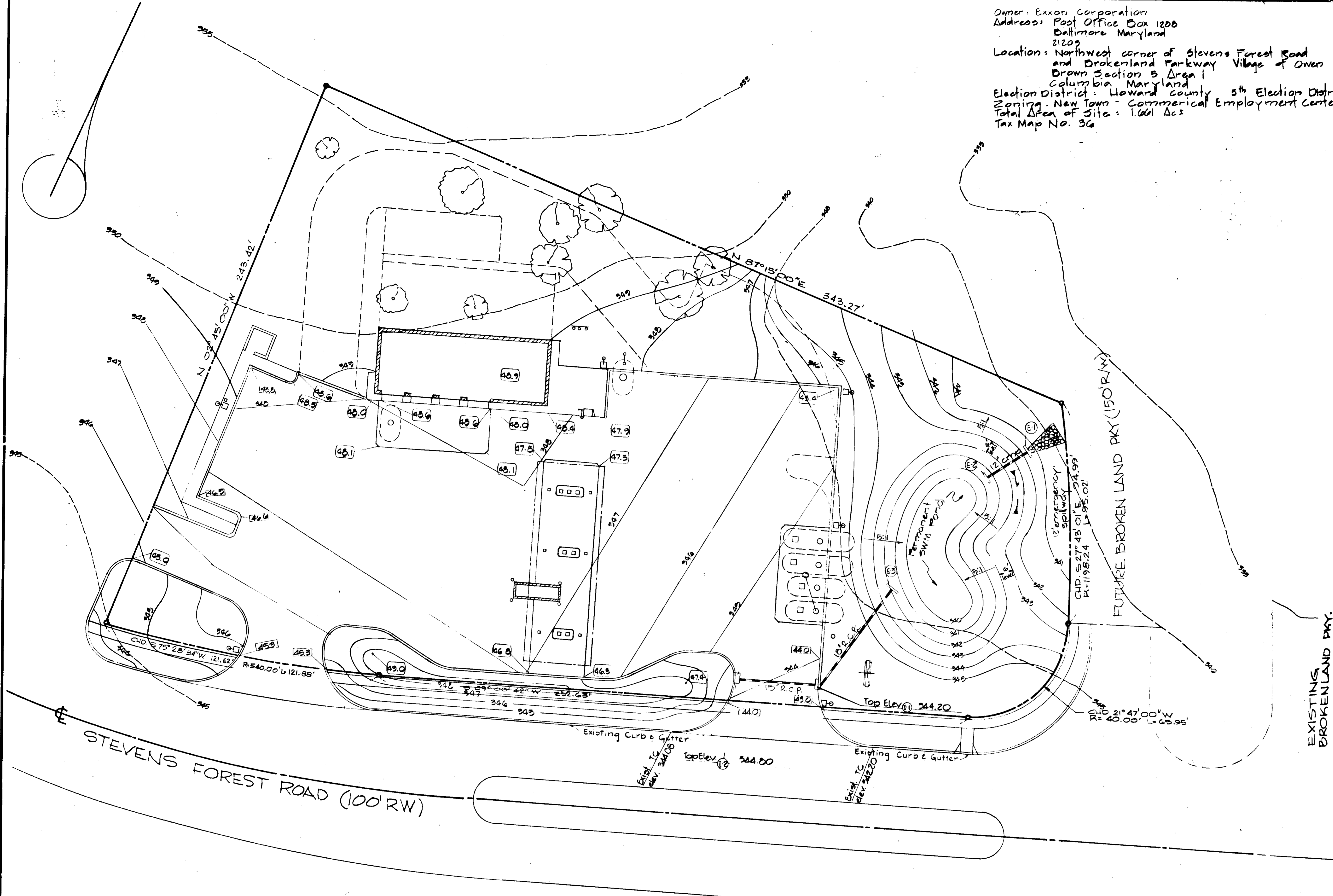
PLOT PLAN
STEVEN FOREST & BROKEN LAND PKY.
COLUMBIA, MARYLAND

DATE: 11-7-78
FILE NO.: 7977
SHEET NO.: 1 OF 7
DWS. NO.: I-C-5

Owner: Exxon Corporation
 Address: Post Office Box 1288
 Baltimore Maryland
 21203
 Location: Northwest corner of Stevens Forest Road
 and Brokenland Parkway Village of Owen
 Brown Section 5 Area 1
 Columbia Maryland
 Election District: Howard County 5th Election District
 Zoning: New Town - Commercial Employment Center
 Total Area of Site: 1.661 Acs
 Tax Map No. 36



KEY:
 1 Existing Grade ——— 347
 2 Proposed Grade ——— 345
 3 Prop. Spot Grade ——— 45.4



APPROVED: For public water and public sewerage systems. Howard County Health Dept.
John F. Borden 12-15-78
 County Health Officer Date

APPROVED: Howard County Office of Planning and Zoning
Donald A. Hamill 12-18-78
 Planning Director Date

John W. Muehlenberg 12-15-78
 Chief Div. of Land Development Date

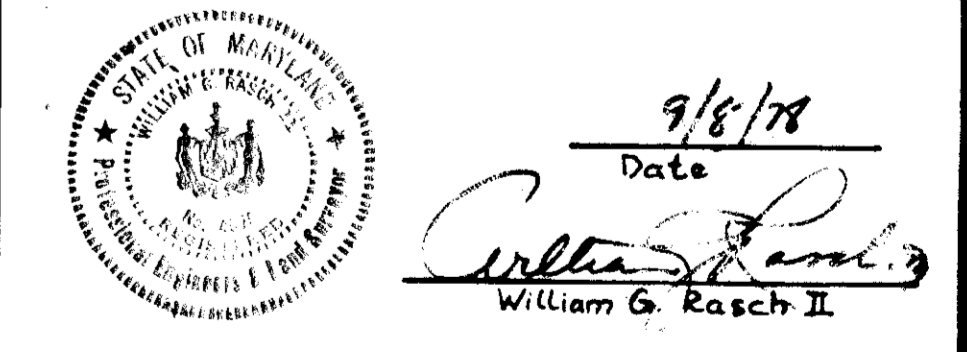
APPROVED: For public water and sewerage and storm drainage systems and roads. Howard County Department of Public Works.
Richard E. Frenkenberg 12/12/78
 Director of Public Works Date

W.C. Fallick 12-12-78
 Chief Div. of Engineering Date

CERTIFICATION BY DEVELOPER
 I certify that all development and/or construction will be done according to this plan of development and plan for erosion and sediment control and I also authorize a periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as may be deemed necessary.
James T. Ramsey 11-14-78
 J.T. Ramsey Date
 Exxon Company U.S.A.

PROFESSIONAL ENGINEER
 I certify that this plan for erosion and sediment control represents a practical workable plan based on my personal knowledge of the site condition and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
William G. Rasch II 9/8/78
 Date

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 11-8-78
J.W.M.



VILLAGE OF OWEN BROWN
 Section 5 - Area 1 - Parcel C
 5th Election District
 Howard County, Maryland

EXXON COMPANY, U.S.A.
 (A DIVISION OF EXXON CORPORATION)
 POST OFFICE BOX 1288
 BALTIMORE, MARYLAND 21203

GRADING PLAN

DRAWN BY:
 CHECKED BY:
 APPROVED BY:
 SCALE: 1" = 20'

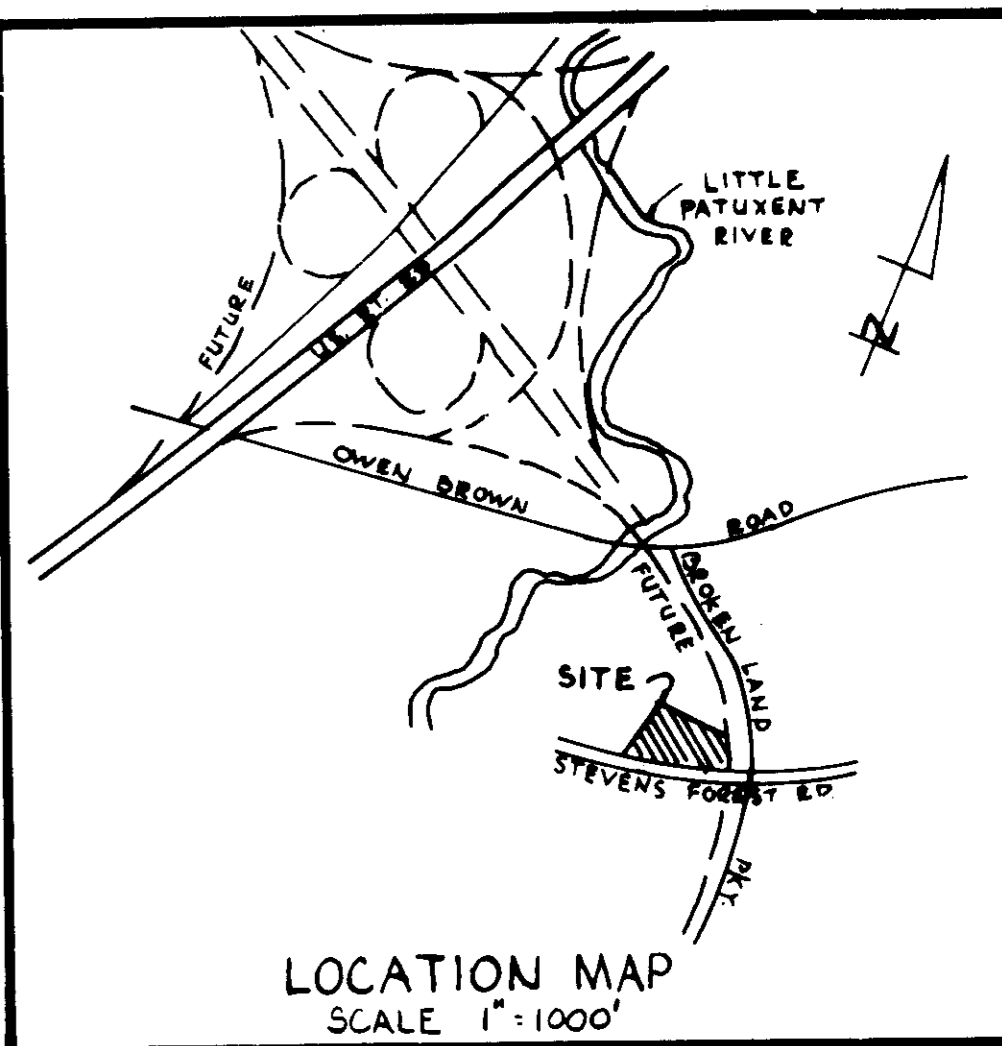
DATE: Sept. 6, 1978
 FILE NO.: 7977
 SHEET NO.: 2 OF 7
 DRAWING NO.: 1-SS
 STEVEN FOREST & BROKENLAND PKY.
 COLUMBIA, MARYLAND

THIS BLUEPRINT IS LOANED TO YOU
 AND MUST BE RETURNED WHEN IT HAS
 SERVED THE PURPOSE FOR WHICH INTENDED

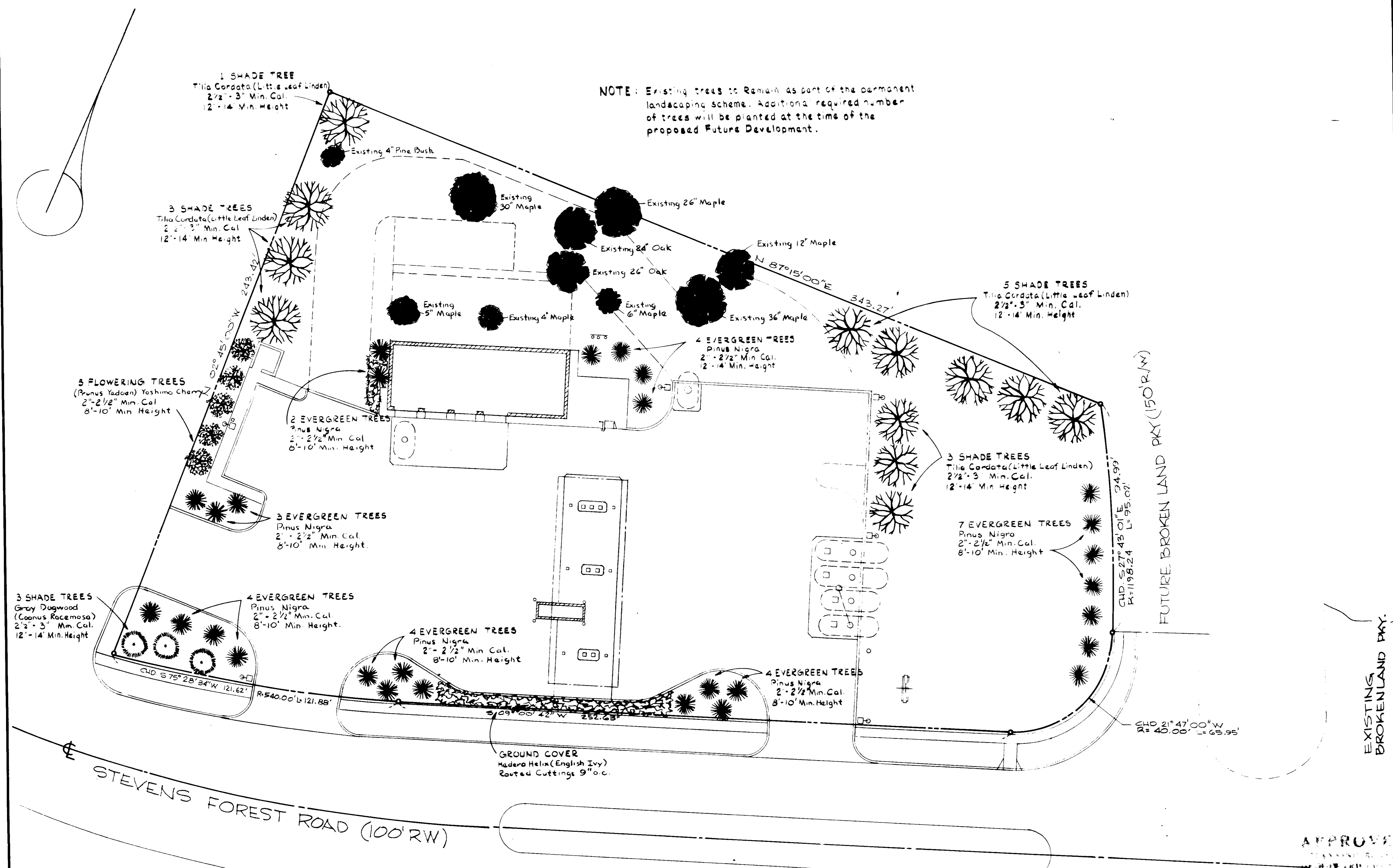
REVISIONS:

REVISIONS:

SDP-79-39.



NOTE: Existing trees to remain as part of the permanent landscaping scheme. Additional required number of trees will be planted at the time of the proposed Future Development.



| | | |
|---|---------------------------------|----------|
| APPROVED: For public water and public sewerage systems, Howard County Health Dept. | <i>John P. Lyons</i> | 12-11-78 |
| | County Health Officer | Date |
| APPROVED: Howard County Office of Planning and Zoning | <i>Thomas J. Hamer</i> | 12-18-78 |
| | Planning Director | Date |
| | <i>John W. Mullan</i> | 12-18-78 |
| | Chief Div. of Land Development | Date |
| APPROVED: For public water and sewerage and storm drainage systems and roads, Howard County Department of Public Works. | <i>Richard E. Freudenberger</i> | 12/12/78 |
| | Director of Public Works | Date |
| | <i>John W. Mullan</i> | 2 |
| | Chief Div. of Engineering | Date |

CERTIFICATION BY DEVELOPER
I certify that all development and/or construction will be done according to this plan of development and plan for erosion and sediment control and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

James T. Ramsey 11-14-78
J.T. Ramsey Date
Exxon Company USA

PROFESSIONAL ENGINEER
I certify that this plan for erosion and sediment control represents a practical, workable plan based on my personal knowledge of the site condition and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

William G. Rasch II
Date

Owner: Exxon Corporation
Address: Post Office Box 1288
Baltimore, Maryland
21205
Location: Northwest corner of Stevens Forest Road and Brokenland Parkway Village of Owen Brown Section 3 Area 1 Columbia, Maryland
Election District: Howard County, 5th Election District
Zoning: New Town - Commercial Employment Center
Total Area of Site: 1.661 Ac.
Tax Map No. 36

VILLAGE OF OWEN BROWN
SECTION 5 - AREA 1 - PARCEL "C"
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

EXXON COMPANY, U.S.A.
(A DIVISION OF EXXON CORPORATION)
POST OFFICE BOX 1288
BALTIMORE, MARYLAND 21203

LANDSCAPE PLAN

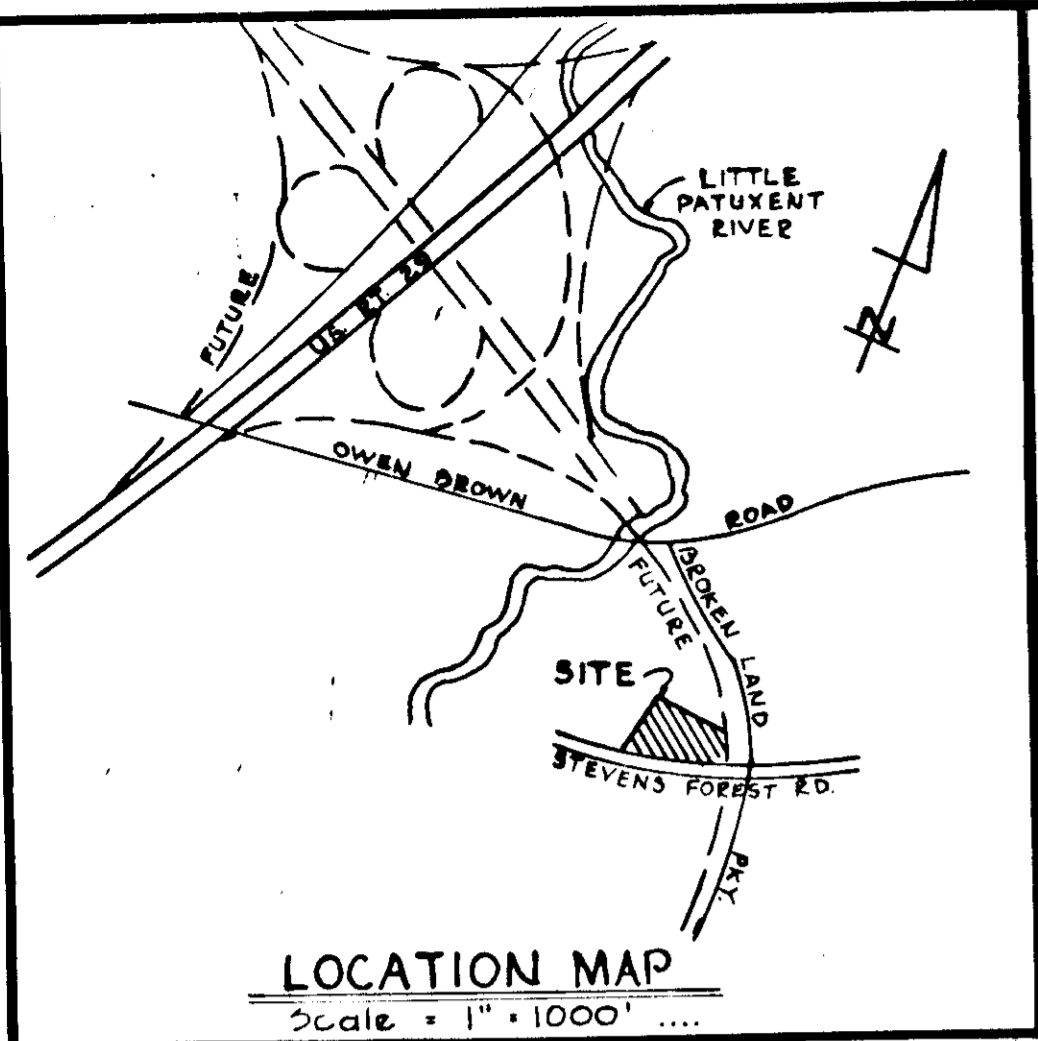
DATE: SEPT 8, 1978
FILE NO.: 7977
SHEET: 3 OF 7
SCALE: 1"=20'

STEVEN FOREST & BROKENLAND PKY.
COLUMBIA, MARYLAND

THIS BLUEPRINT IS LOANED TO YOU AND MUST BE RETURNED WHEN IT HAS SERVED THE PURPOSE FOR WHICH INTENDED

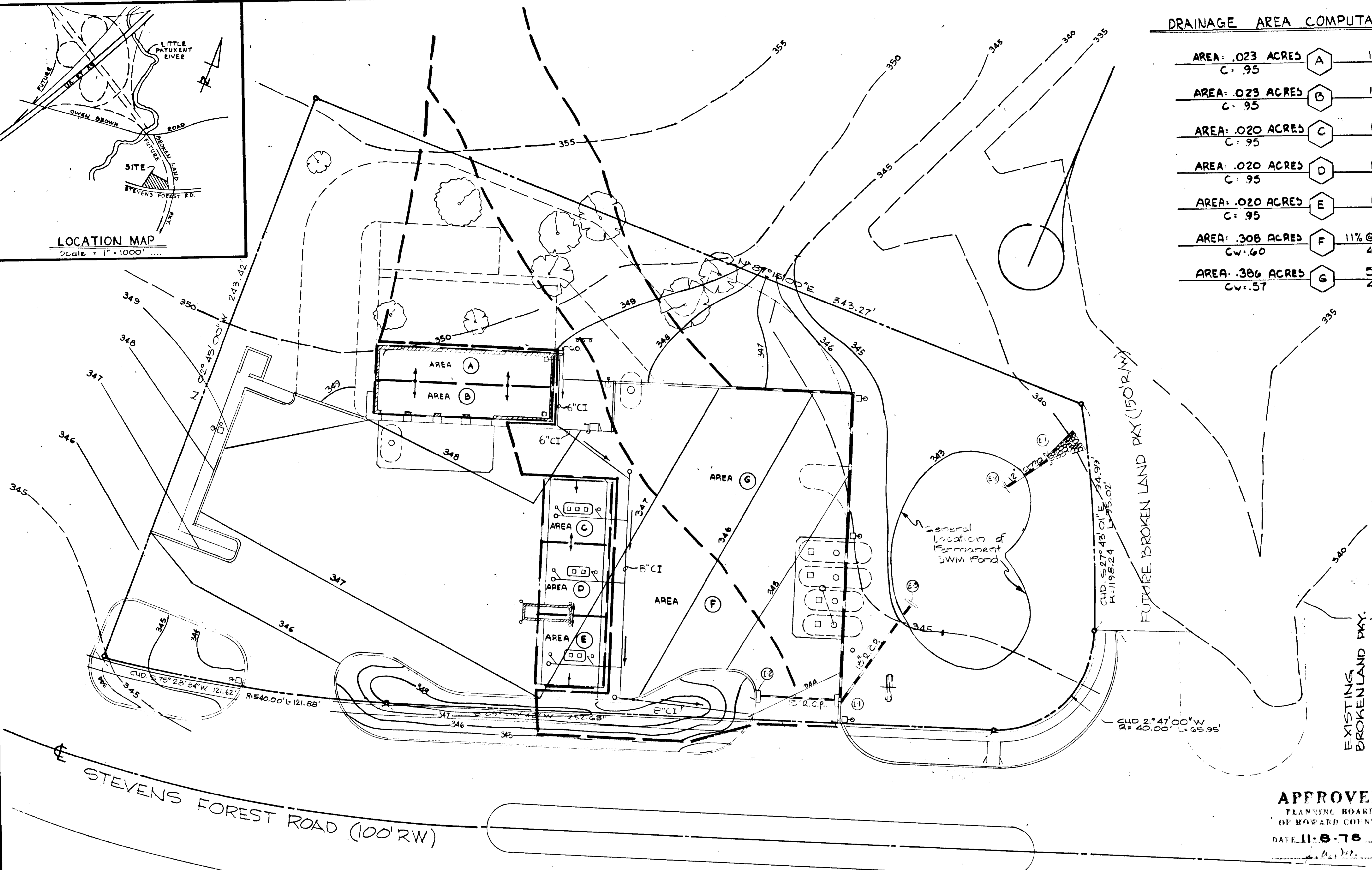
REVISIONS:

REVISIONS:



DRAINAGE AREA COMPUTATIONS

| | | |
|-----------------------------|---|-----------------------------------|
| AREA: .023 ACRES C = .95 | A | 100% @ .95 |
| AREA: .023 ACRES C = .95 | B | 100% @ .95 |
| AREA: .020 ACRES C = .95 | C | 100% @ .95 |
| AREA: .020 ACRES C = .95 | D | 100% @ .95 |
| AREA: .020 ACRES C = .95 | E | 100% @ .95 |
| AREA: .308 ACRES Cw: .60 | F | 11% @ .40 ; 40% @ .30 ; 49% @ .90 |
| AREA: .386 ACRES Cw: .57 | G | 55% @ .30 ; 45% @ .90 |



APPROVED: For public water and public sewerage systems. Howard County Health Dept.
Joseph Boyson 12-17-78
 County Health Officer Date

APPROVED: Howard County Office of Planning and Zoning
James Hamilton 12-18-78
 Planning Director Date

John W. Mueselman 12-15-78
 Chief Div. of Land Development Date

APPROVED: For public water and sewerage and storm drainage systems and roads. Howard County Department of Public Works.
Richard E. Freudenbergs 12/12/78
 Director of Public Works Date

John J. [Signature] 12-12-78
 Chief Bur. of Engineering Date

CERTIFICATION BY DEVELOPER
 I certify that all development and/or construction will be done according to this plan of development and plan for erosion and sediment control and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.
James T. Ramsey 11-14-78
 J.T. Ramsey Date
 Exxon Company U.S.A.

PROFESSIONAL ENGINEER
 I certify that this plan for erosion and sediment control represents a practical, workable plan based on my personal knowledge of the site condition and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
William G. Rasch II 9/8/78
 Date
 William G. Rasch II



APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 11-8-78

Owner: Exxon Corporation
 Address: Post Office Box 1288
 Baltimore Maryland 21205
 Location: Northwest corner of Stevens Forest Road and Brokenland Parkway Village of Owen Brown Section 5 Area 1 Columbia Maryland
 Election District: Howard County 5th Election District
 Zoning: New Town - Commercial Employment Center
 Total Area of Site: 1.661 Ac.
 Tax Map No. 36

VILLAGE OF OWEN BROWN
 Section 5 - Area 1 - Parcel "C"
 5th Election District
 Howard County, Maryland

THIS BLUEPRINT IS LOANED TO YOU AND MUST BE RETURNED WHEN IT HAS SERVED THE PURPOSE FOR WHICH INTENDED

| | |
|------------|------------|
| REVISIONS: | REVISIONS: |
|------------|------------|

EXXON COMPANY, U.S.A.
 (A DIVISION OF EXXON CORPORATION)
 POST OFFICE BOX 1288
 BALTIMORE, MARYLAND 21203

DRAINAGE AREA MAP
 DRAWN BY:
 CHECKED BY:
 APPROVED BY:
 SCALE: 1" = 20'

STEVEN FOREST & BROKENLAND PKY.
 COLUMBIA, MARYLAND

| | |
|------------|-------------|
| DATE: | Sept 8 1978 |
| FILE NO.: | 7977 |
| DRAWN NO.: | 4 OF 7 |
| DWG. NO.: | 1-55 |

SDP-79-39.

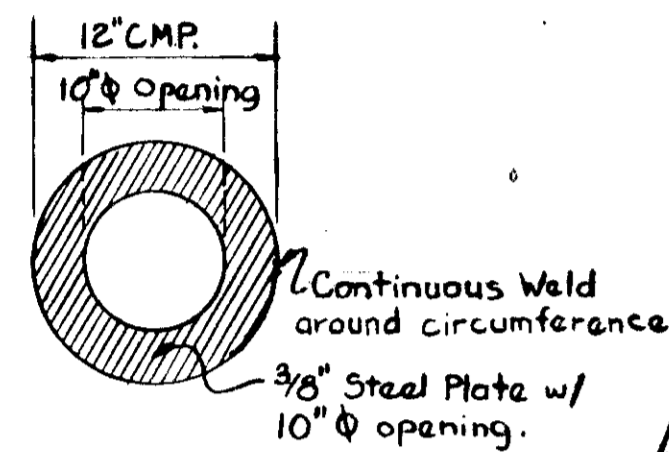
SEDIMENT CONTROL NOTES

All disturbed areas not paved or sodded shall be stabilized in accordance with the following:

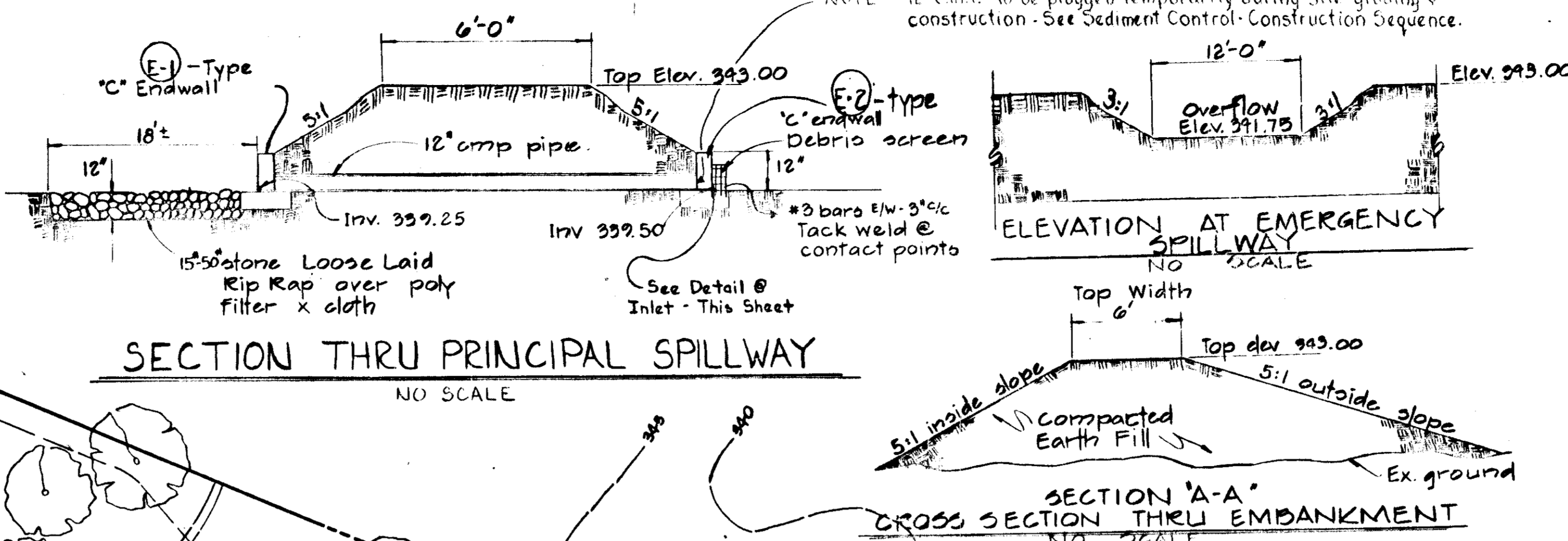
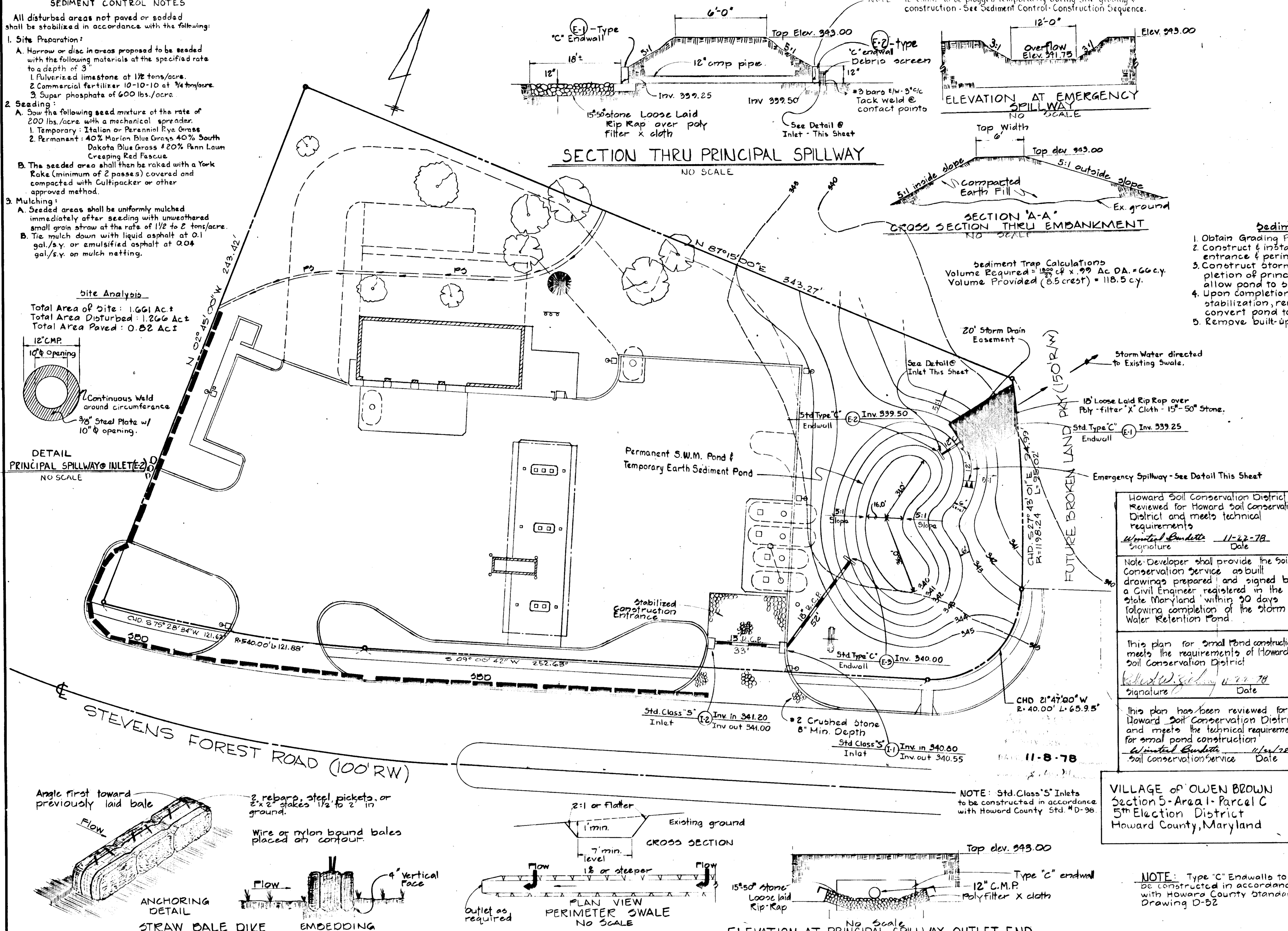
1. Site Preparation:
 - A. Harrow or disc in areas proposed to be seeded with the following materials at the specified rate to a depth of 3":
 1. Pulverized limestone at 1 1/2 tons/acre.
 2. Commercial fertilizer 10-10-10 at 3/4 tons/acre.
 3. Super phosphate of 600 lbs./acre.
 - B. Seeding:
 1. Sow the following seed mixture at the rate of 200 lbs./acre with a mechanical spreader.
 1. Temporary: Italian or Perennial Ryegrass
 2. Permanent: 40% Marion Blue Grass 40% South Dakota Blue Grass 20% Penn Laum Creeping Red Fescue
 2. The seeded area shall then be raked with a York Rake (minimum of 2 passes) covered and approved with Cultipacker or other approved method.
2. Mulching:
 - A. Seeded areas shall be uniformly mulched immediately after seeding with unweathered small grain straw at the rate of 1 1/2 to 2 tons/acre.
 - B. Tie mulch down with liquid asphalt at 0.1 gal./s.y. or emulsified asphalt at 0.04 gal./s.y. on mulch netting.

Site Analysis

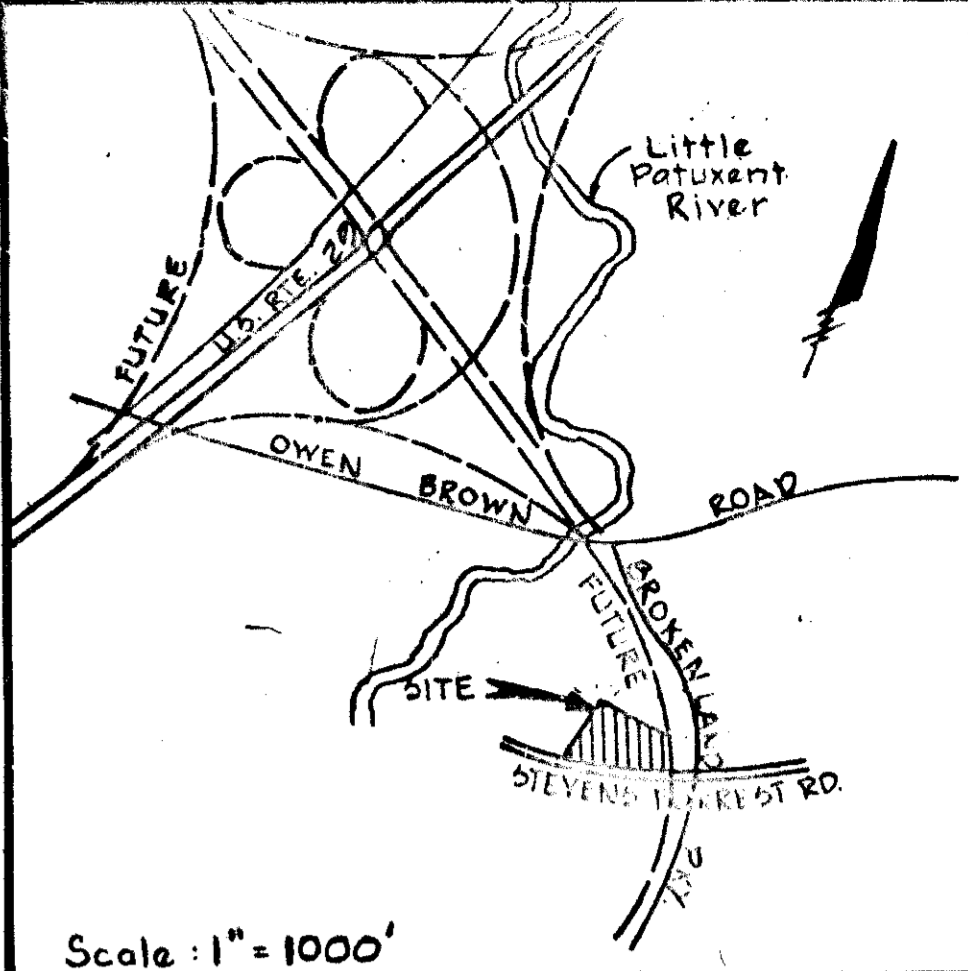
Total Area of Site: 1.661 Ac.
 Total Area Disturbed: 1.266 Ac.
 Total Area Paved: 0.82 Ac.



DETAIL PRINCIPAL SPILLWAY INLET
NO SCALE



Sediment Trap Calculations
 Volume Required = 1500 cft x 9% Ac. DA. = 66 c.y.
 Volume Provided (8.5 crest) = 118.5 c.y.



Sediment Control-Construction Sequence

1. Obtain Grading Permit
2. Construct & install straw bale dike, stabilized construction entrance & perimeter swale.
3. Construct storm Water Management Pond - upon completion of principal spillway, plug the 12" CMP to allow pond to serve as a temporary earth sediment trap
4. Upon completion of site facility construction & site stabilization, remove the plug from the 12" CMP to convert pond to permanent storm Water Management facility
5. Remove built-up sediment & restore pond to original grades

APPROVED: For public water and public sewerage systems, Howard County Health Dept.
 [Signature] 12-15-78
 County Health Officer Date

APPROVED: Howard County Office of Planning and Zoning
 [Signature] 12-18-78
 Planning Director Date

APPROVED: For public water and sewerage and storm drainage systems and roads, Howard County Department of Public Works.
 [Signature] 12-12-78
 Director of Public Works Date

APPROVED: For public water and sewerage and storm drainage systems and roads, Howard County Department of Public Works.
 [Signature] 11-22-78
 Director of Public Works Date

APPROVED: For public water and sewerage and storm drainage systems and roads, Howard County Department of Public Works.
 [Signature] 11-22-78
 Director of Public Works Date

APPROVED: For public water and sewerage and storm drainage systems and roads, Howard County Department of Public Works.
 [Signature] 11-22-78
 Director of Public Works Date

APPROVED: For public water and sewerage and storm drainage systems and roads, Howard County Department of Public Works.
 [Signature] 11-22-78
 Director of Public Works Date

APPROVED: For public water and sewerage and storm drainage systems and roads, Howard County Department of Public Works.
 [Signature] 11-22-78
 Director of Public Works Date

APPROVED: For public water and sewerage and storm drainage systems and roads, Howard County Department of Public Works.
 [Signature] 11-22-78
 Director of Public Works Date

APPROVED: For public water and sewerage and storm drainage systems and roads, Howard County Department of Public Works.
 [Signature] 11-22-78
 Director of Public Works Date

APPROVED: For public water and sewerage and storm drainage systems and roads, Howard County Department of Public Works.
 [Signature] 11-22-78
 Director of Public Works Date

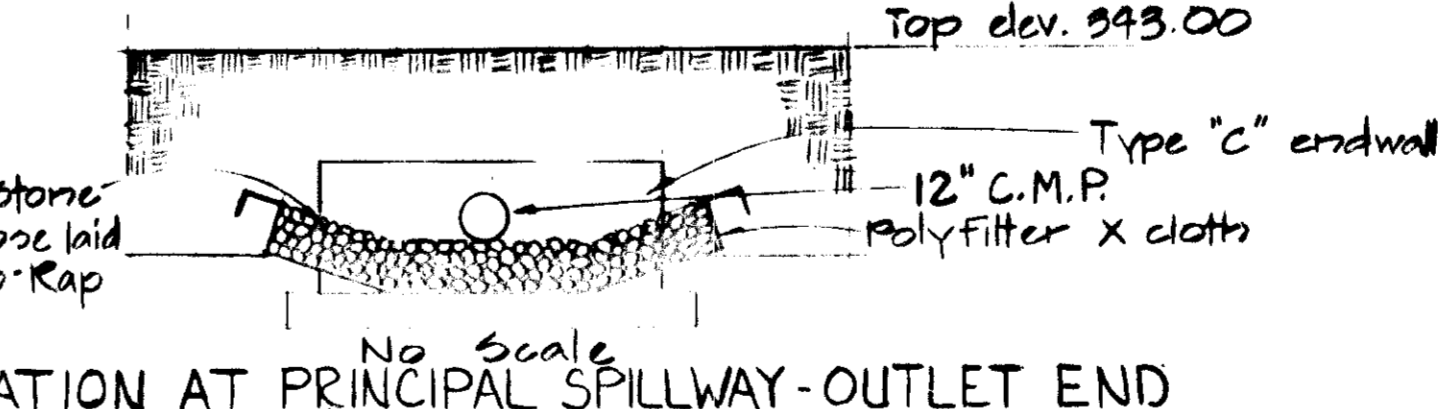
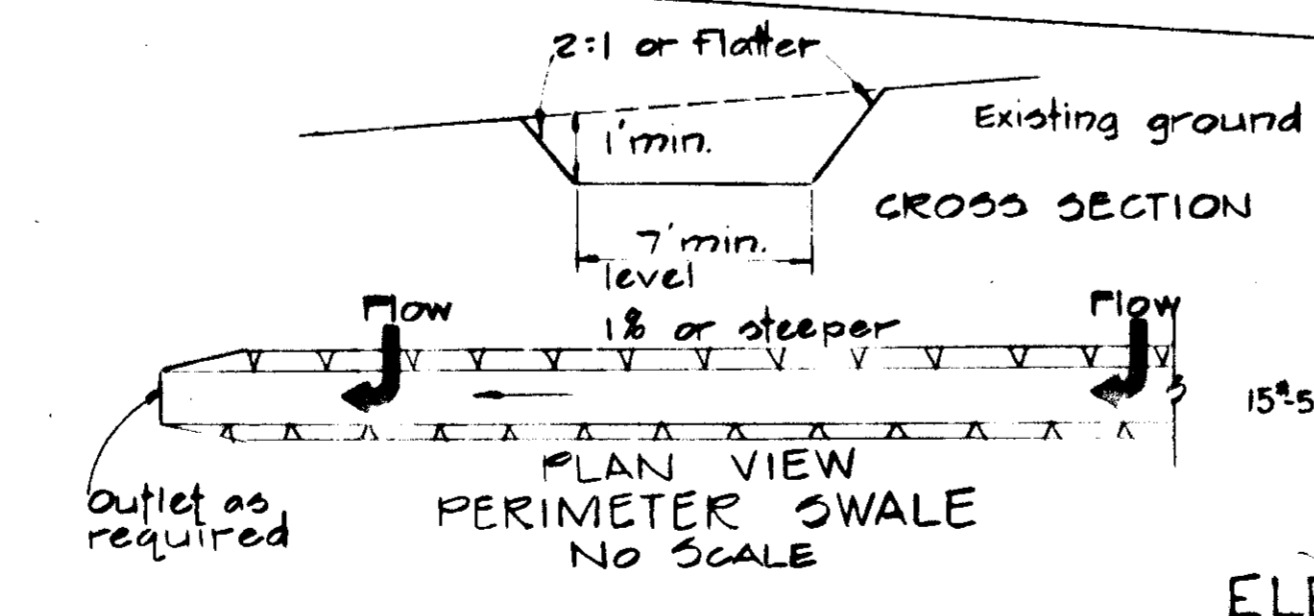
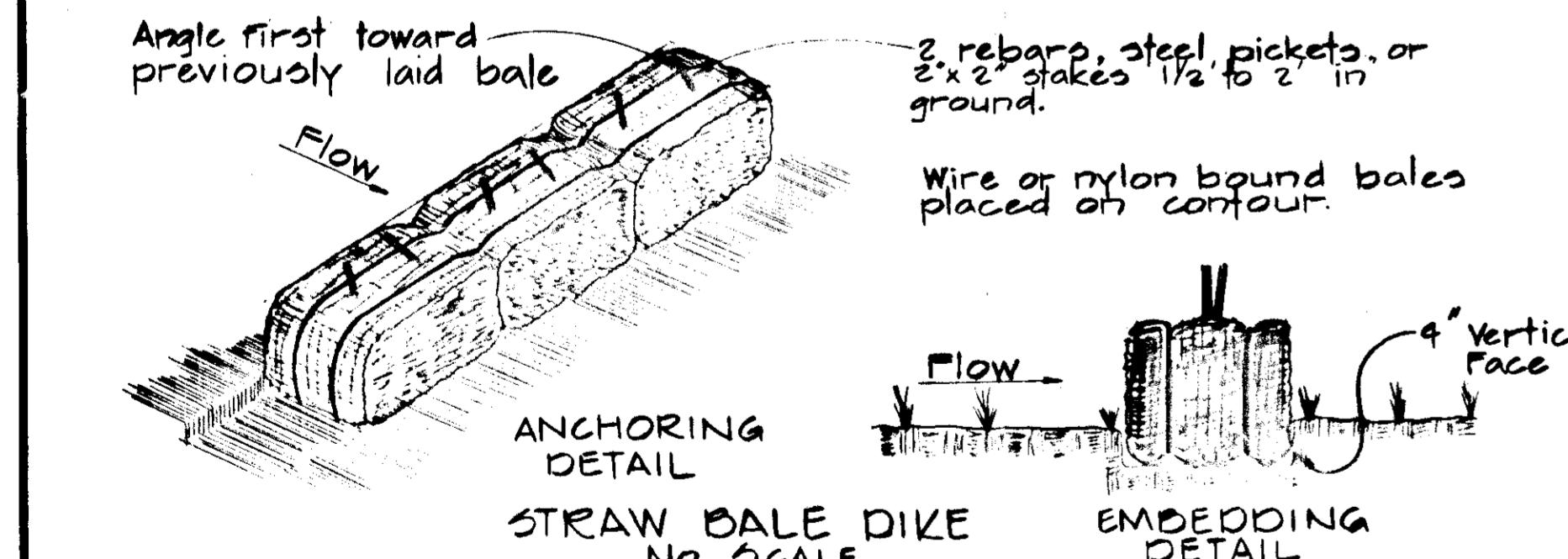
Howard Soil Conservation District
 Reviewed for Howard Soil Conservation District and meets technical requirements
 [Signature] 11-22-78
 Date

This plan for storm pond construction meets the requirements of Howard Soil Conservation District
 [Signature] 11-22-78
 Date

This plan has been reviewed for storm pond construction and meets the technical requirements of Howard Soil Conservation District
 [Signature] 11-22-78
 Date

VILLAGE OF OWEN BROWN
 Section 5-Area 1-Parcel C
 5th Election District
 Howard County, Maryland

NOTE: Type 'C' Endwalls to be constructed in accordance with Howard County Standard Drawing D-52



NOTE: Std. Class 'S' Inlets to be constructed in accordance with Howard County Std. #D-98

THIS BLUEPRINT IS LOANED TO YOU AND MUST BE RETURNED WHEN IT HAS SERVED THE PURPOSE FOR WHICH INTENDED

| REVISIONS: | REVISIONS: |
|------------|------------|
| | |

EXXON COMPANY, U.S.A.
 (A DIVISION OF EXXON CORPORATION)
 POST OFFICE BOX 1288
 BALTIMORE, MARYLAND 21203

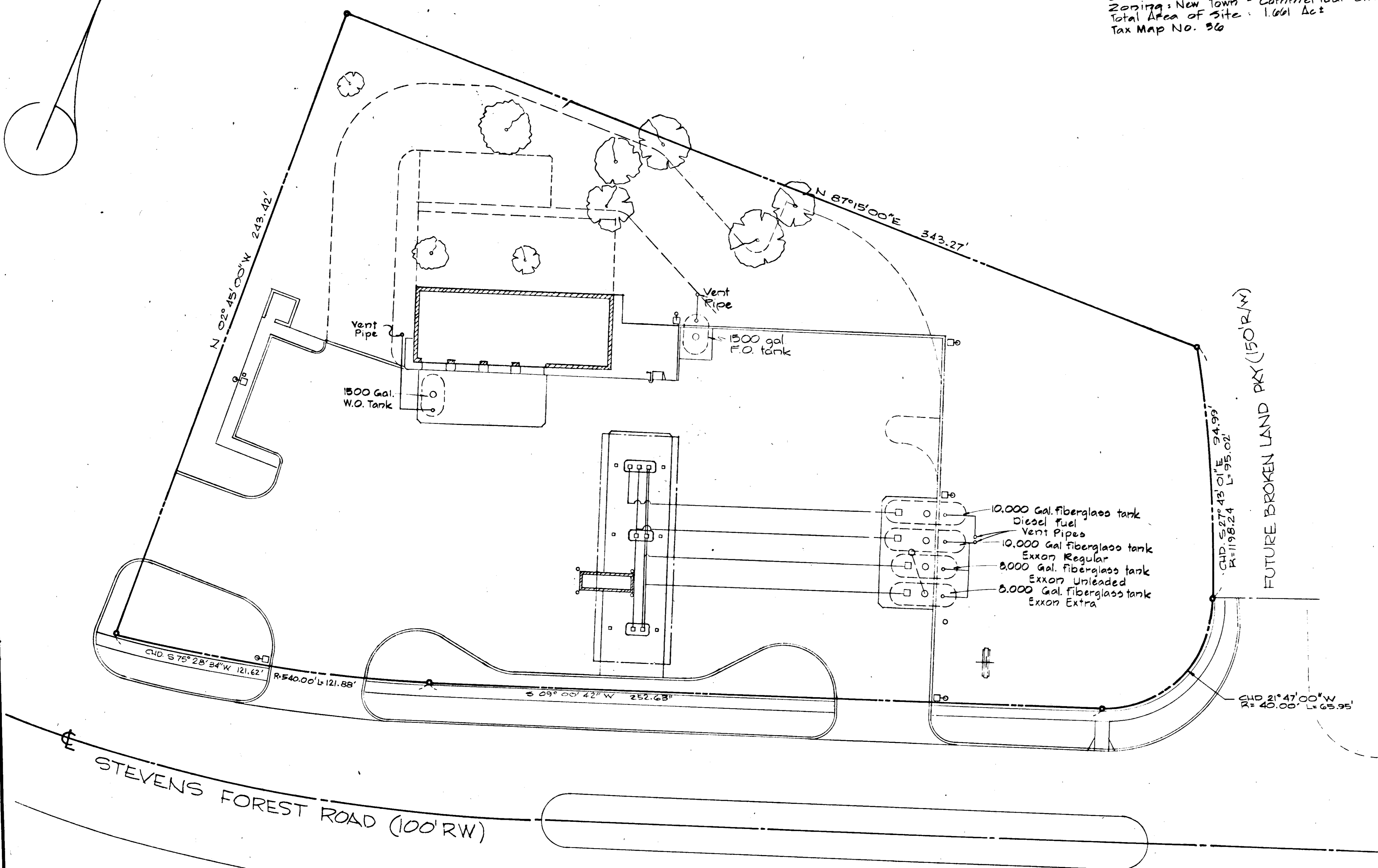
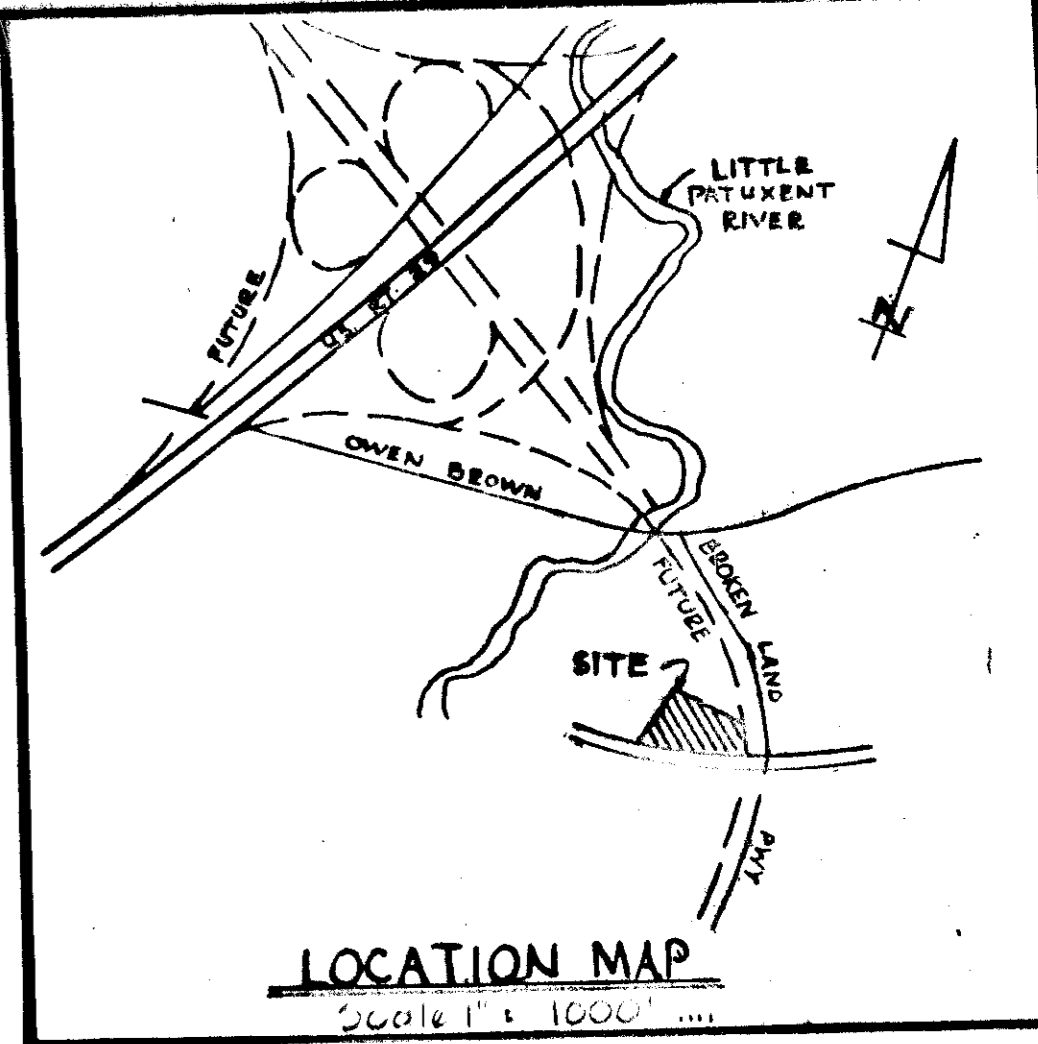
SEDIMENT CONTROL STORM WATER MANAGEMENT PLAN & DETAILS

| | |
|-------------|----------|
| DRAWN BY | |
| CHECKED BY | |
| APPROVED BY | |
| SCALE: | 1" = 20' |

STEVEN FOREST & BROKENLAND PKY. COLUMBIA, MARYLAND

| | |
|-----------|-----------|
| DATE: | 12/15/78 |
| NO.: | 1977 |
| SHEET: | 2 OF 7 |
| REV. NO.: | 1-55 |
| | SDP-79-39 |

Owner: Exxon Corporation
 Address: Post Office Box 1208
 Baltimore, Maryland
 21205
 Location: Northwest corner of Stevens Forest Road
 and Brokenland Parkway Village of Owen
 Brown Section 5 Area 1
 Columbia Maryland
 Election District: Howard County 5th Election District
 Zoning: New Town - Commercial Employment Center
 Total Area of Site: 1.661 Acs
 Tax Map No. 56



APPROVED: For public water and public sewerage systems. Howard County Health Dept.
James Boyles 12-18-78
 County Health Officer Date

APPROVED: Howard County Office of Planning and Zoning
Thomas H. Davis 12-18-78
 Planning Director Date

John W. Mudderman 12-15-78
 Chief Div. of Land Development Date

APPROVED: For public water and sewerage and storm drainage systems and roads Howard County Department of Public Works.
Richard E. Freudenberger 12/12/78
 Director of Public Works Date

W. O. L. Wood 12/12/78
 Chief Bur. of Engineering Date

CERTIFICATION BY DEVELOPER
 I certify that all development and/or construction will be done according to this plan of development and plan for erosion and sediment control and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.
James T. Ramsey 11-14-78
 J.T. Ramsey Date
 Exxon Company U.S.A.

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 11-8-78

PROFESSIONAL ENGINEER
 I certify that this plan for erosion and sediment control represents a practical, workable plan based on my personal knowledge of the site condition and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
William A. Rasch I 9/6/78
 Date
 William A. Rasch I

VILLAGE OF OWEN BROWN
 Section 5 - Area 1 - Parcel "C"
 5th Election District
 Howard County Maryland

THIS BLUEPRINT IS LOANED TO YOU
 AND MUST BE RETURNED WHEN IT HAS
 SERVED THE PURPOSE FOR WHICH INTENDED

REVISIONS:
 REVISIONS:

EXXON COMPANY, U.S.A.
 (A DIVISION OF EXXON CORPORATION)
 POST OFFICE BOX 1288
 BALTIMORE, MARYLAND 21203

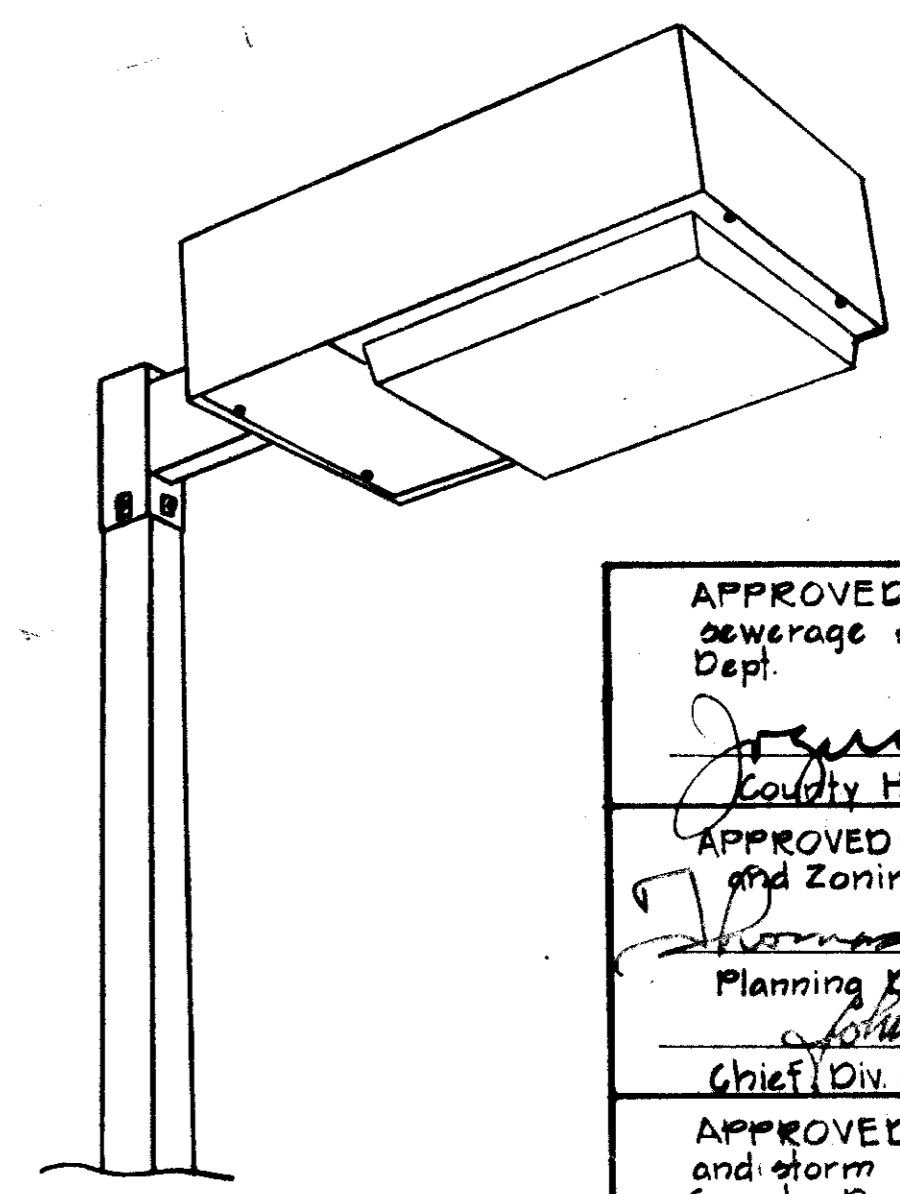
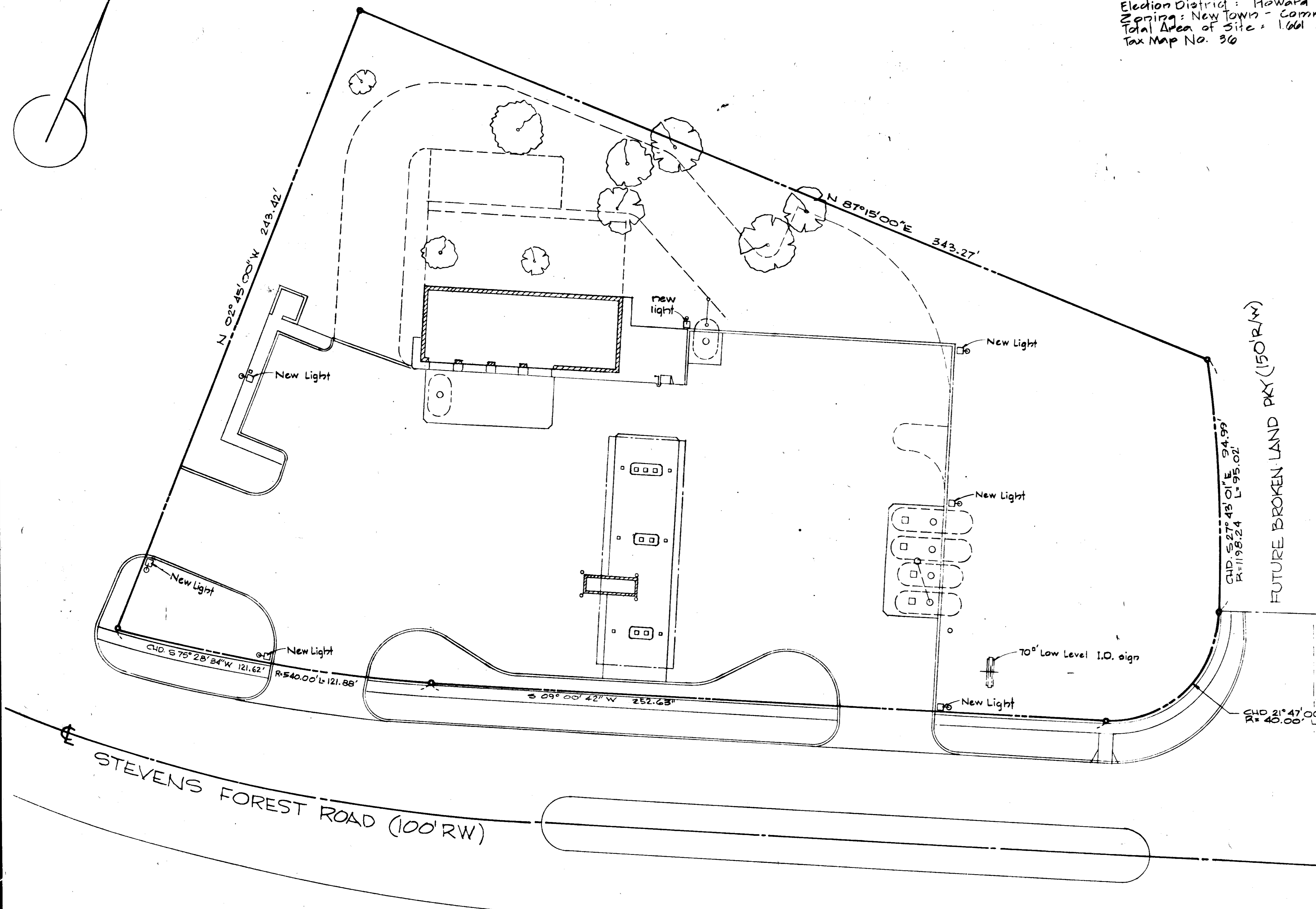
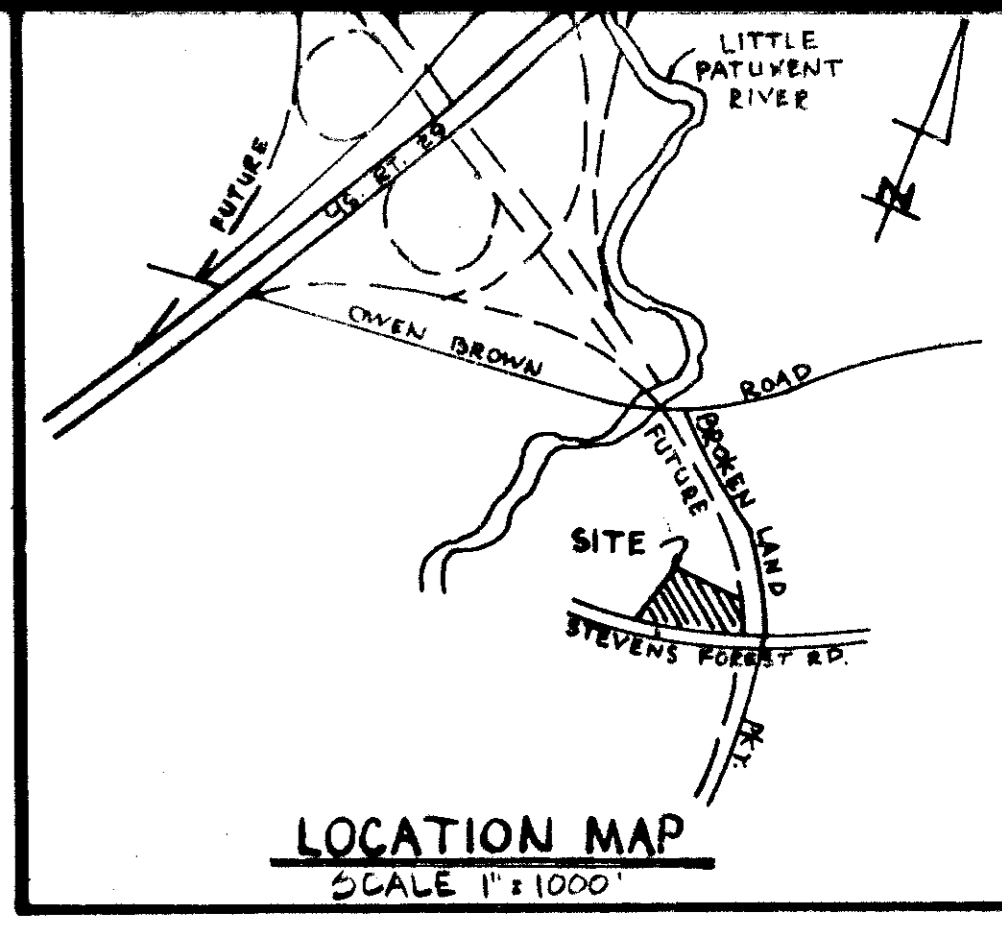
TANK LAYOUT

DRAWN BY:
 CHECKED BY:
 BY:
 APPROVED BY:
 SCALE: 1" = 20'

STEVEN FOREST & BROKENLAND PKY.
 COLUMBIA, MARYLAND

DATE: Sept 8, 1978
 PUR. NO.: 1977
 SHEET NO.: 6 OF 7
 DRAWING NO.: 1-55
 SDP-79-39c

Baltimore, Maryland
 21208
 Location: Northwest corner of Stevens Forest Road
 and Brokenland Parkway Village of Owen
 Brown Section 5 Area 1
 Columbia, Maryland. 5th Election District
 Springs: New Town - Commercial Employment Center
 Total Area of Site: 1.661 Ac±
 Tax Map No. 36



- NOTES:
1. Fixture Model RA-111011-14-1 as manufactured by Guardian Light.
 2. Power: 400 WATT UNITS
 3. Height: 14 feet ABOVE GRADE
 4. Direction: All luminaires face on site, as shown.
 5. Type: Metal Halide Unit

APPROVED: For public water and public sewerage systems. Howard County Health Dept.
John Brown 12-10-78
 County Health Officer Date

APPROVED: Howard County Office of Planning and Zoning
Thomas H. Davis 12-18-78
 Planning Director Date
John W. Mullaney 12-15-78
 Chief, Div. of Land Development Date

APPROVED: For public water and sewerage and storm drainage systems and roads. Howard County Department of Public Works.
Richard E. Brudenbagen 12/12/78
 Director of Public Works Date
W. G. Ross 11-15-78
 Chief, Div. of Engineering Date

CERTIFICATION BY DEVELOPER
 I certify that all development and/or construction will be done according to this plan of development and plan for erosion and sediment control and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.
J. T. Ramsey 11-14-78
 J. T. Ramsey
 Exxon Company U.S.A. Date

APPROVED
 BOARD OF ZONING
 HOWARD COUNTY
 DATE 11-3-78
J. W. Mullaney

PROFESSIONAL ENGINEER
 I certify that this plan for erosion and sediment control represents a practical workable plan based on my personal knowledge of the site condition and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
William G. Ross 11/15/78
 Date
 William G. Ross II

VILLAGE OF OWEN BROWN
 Section 5 - Area 1 - Parcel C
 5th Election District
 Howard County, Maryland

THIS BLUEPRINT IS LOANED TO YOU
 AND MUST BE RETURNED WHEN IT HAS
 SERVED THE PURPOSE FOR WHICH INTENDED

| | |
|------------|------------|
| REVISIONS: | REVISIONS: |
|------------|------------|

EXXON COMPANY, U.S.A.
 (A DIVISION OF EXXON CORPORATION)
 POST OFFICE BOX 1288
 BALTIMORE, MARYLAND 21203

SITE PLAN
 LIGHTING

| | |
|---------------|------------|
| DRAWN BY: | DATE: |
| CHECKED BY: | FILE NO.: |
| APPROVED BY: | SHEET NO.: |
| SCALE: 1"=20' | OF: 7 |
| | NO.: |
| | 1-595 |

STEVEN FOREST & BROKENLAND PKY.
 COLUMBIA, MARYLAND

| |
|-----------------|
| DATE: 12-18-78 |
| FILE NO.: 1-577 |
| SHEET NO.: 7 |
| OF: 7 |
| NO.: |
| 1-595 |

SDP-79-39c