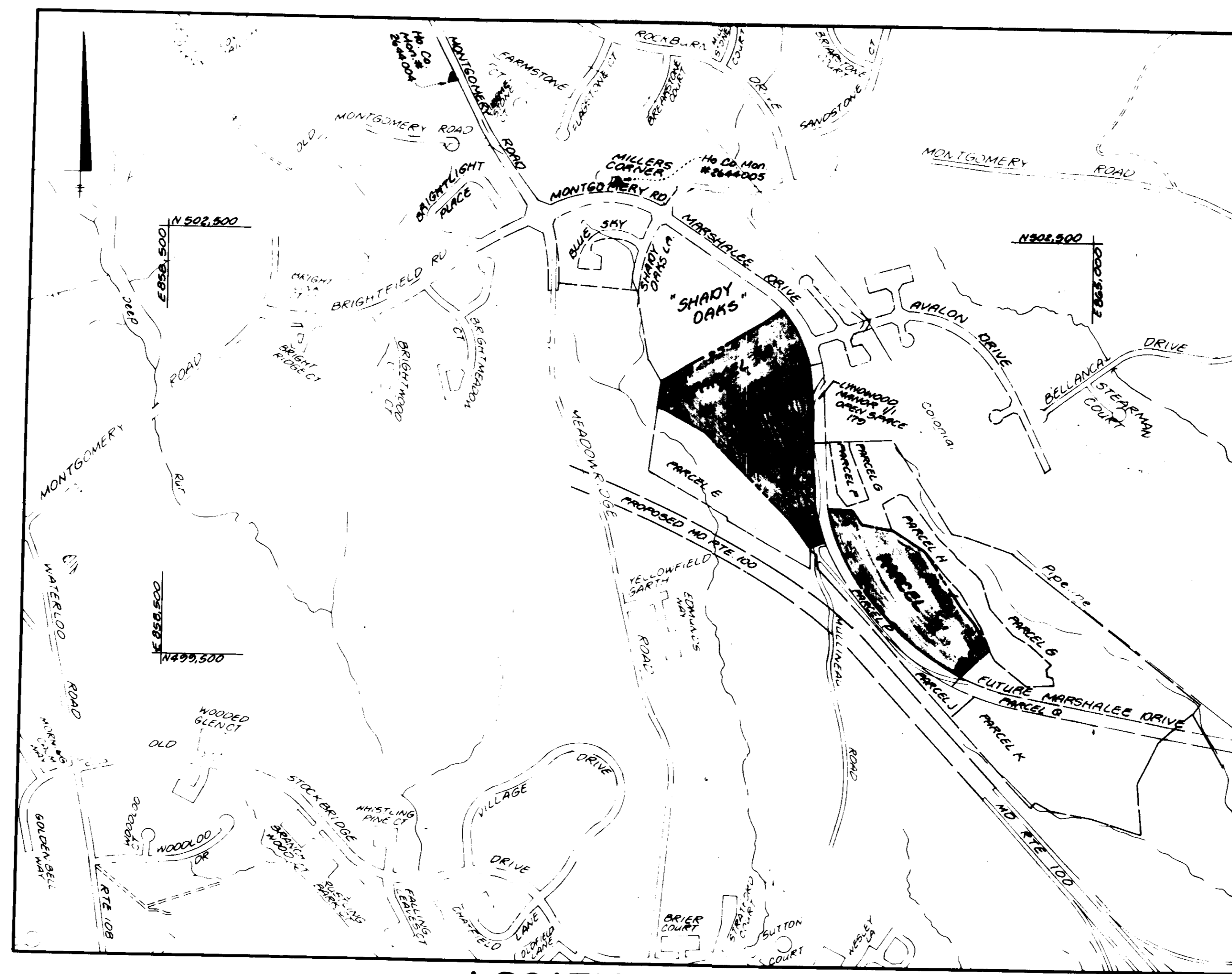
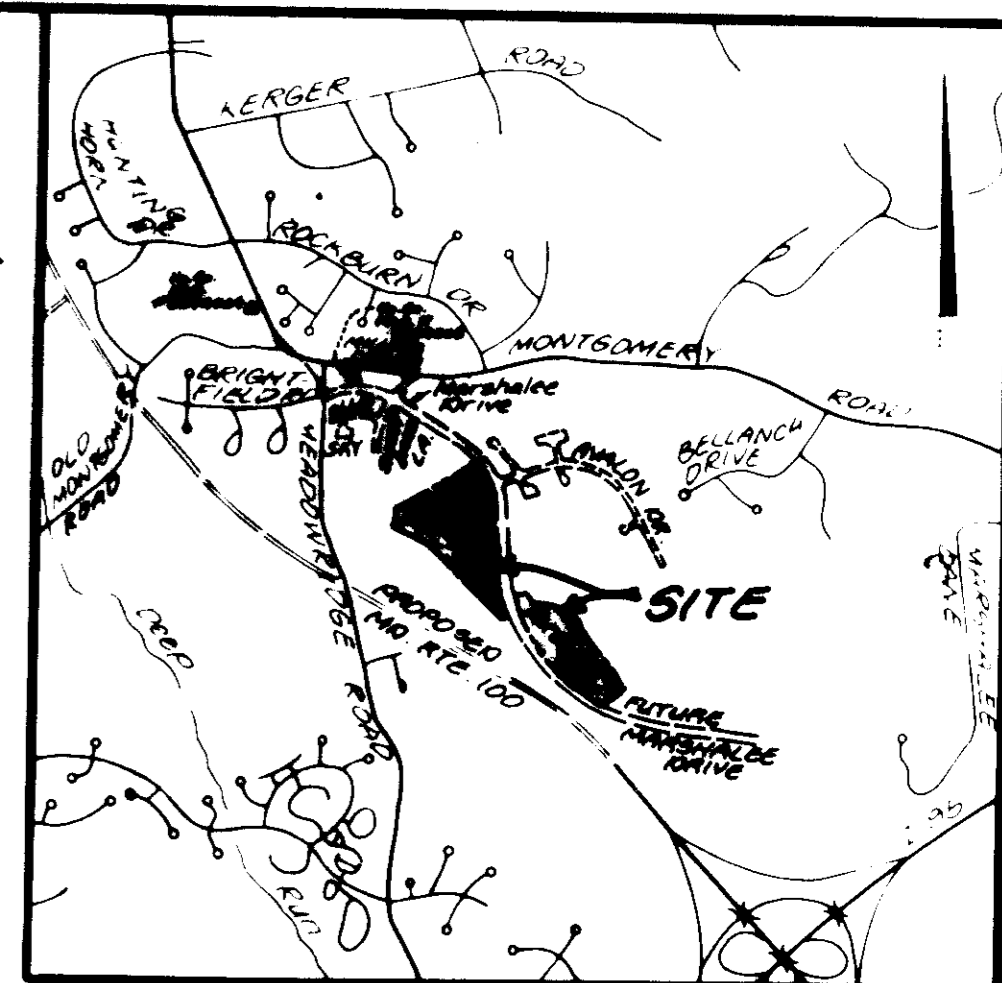


INDEX OF SHEETS	
NO.	TITLE
1 OF 4	TITLE SHEET
2 OF 4	SITE DEVELOPMENT, GRADING AND SEDIMENT & EROSION CONTROL PLAN
3 OF 4	SITE DEVELOPMENT, GRADING AND SEDIMENT & EROSION CONTROL PLAN
4 OF 4	SITE AND SEDIMENT CONTROL DETAILS



LOCATION MAP
Scale: 1" = 600'



VICINITY MAP
Scale: 1" = 2000'

BENCHMARKS:
Howard Co. Mon. # 2644004 Elev. 402.135
Howard Co. Mon. # 2644005 Elev. 416.881

DESCRIPTION:
Howard Co. Mon. # 2644004 Concrete monument 1.0 ft. below surface SW corner of intersection Ate. 103 and Old Montgomery Road.
Howard Co. Mon. # 2644005 Concrete monument 2.0 ft. below surface South side Montgomery Road east of Meadowridge Road.

NOTES:

- All construction shall be in accordance with the latest standards and specifications of Howard County, plus *MSHA Standards & Specifications* if applicable.
- The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection Division at (410) 313-1580 at least twenty-four (24) hours 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: Elbridge, Maryland
Tax Map: 37, Part of Parcel 640
Zoning: PEC, ZMBA Ref: ZB 877 R & M, PB 284, RES 188 B-2
Election District: First
Section/Block: 3
Total Tract Area: 35.6188 Ac ±
Limit of Submission: 3.97 Ac ±
Number of Recorded Parcels: 3
Previous Submittals: WP91-33, F81-125, S93-02, P93-11, SDP93-106, F94-26, SDP-05-75, SDP 05-77
- 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.
- Storm drain trenches within the public road right-of-way shall be backfilled and compacted in accordance with the Howard County Standard Specifications and Details - Design Manual Volume IV.
- Any damage 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 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 the photogrammetric aerial survey compiled by Dewberry & Davis 3/16/84 and supplemented with field-run data prepared by Land Design Engineering, Inc. June 1992 and proposed grade from F94-26.
- Horizontal and vertical datums are related to the Maryland State Plane Coordinated System as projected from Howard County control stations No. 2644004 and No. 2644005 (NAD 27).
- Public water and public sewer will be available to the site by means of future extensions.
- Temporary stormwater management is not required. Permanent stormwater management for Parcel A and Parcel B will be provided by existing ponds #1 & 2. Permanent stormwater management for Parcel D will be provided by pond constructed under the right of way. Stormwater management for Parcel D will be provided by pond constructed under the right of way. Stormwater management for Parcel D as proposed is shown on the site plan. (See separate submittal for Parcel D as proposed U.S.A.C.E. June, 1992).
- Notes compiled by Land Design Engineering, Inc. as part of P93-11 approval.
- Floodplain analyzed by Land Design Engineering, Inc. February 1993 based on field run data from 1992 and 1993 (P93-11).
- Traffic study compiled by Lee Cunningham & Associates, Inc. dated November, 1992 as part of S93-02 approval.
- Geotechnical report compiled by Geo-Technical Associates, Inc. dated December 30, 1992 and May 3, 1993 as part of P93-11 and SDP 93-105.
- Future public road with associated utilities for Parcel B is to be designed and built by the developer at the subdivision development stage of Parcel B.

SITE DEVELOPMENT PLAN CENTRE 9500 PARCELS A, B & D

1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
PARCEL A	8000 MARSHALEE DRIVE (FOR MASS GRADING ONLY)
PARCEL B	8075 MARSHALEE DRIVE (FOR MASS GRADING ONLY)
PARCEL D	8010 MARSHALEE DRIVE (FOR MASS GRADING ONLY)

ENGINEER'S CERTIFICATE
"I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with requirements of the Howard Soil Conservation District."

Signature of Engineer *Date*
5/24/95

DEVELOPER'S CERTIFICATE
"I certify that all development and 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 also authorize periodic onsite inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

Signature of Developer *Date*
6/2/95

Reviewed for Howard County Soil Conservation District and meets technical requirements.
Signature of District Engineer *Date*
6/2/95

This development is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
APPROVED:
Signature of District Engineer *Date*
6/2/95

APPROVED: Department of Public Works for Public Water, Public Sewerage, Storm Drainage Systems and Roads.
Signature of Director *Date*
6/2/95

APPROVED: Howard County Health Department for Public Water and Public Sewerage Systems.
Signature of Health Officer *Date*
N/A

APPROVED: Department of Planning and Zoning.
Signature of Planning Director *Date*
6/2/95

Signature of Community Planning and Land Development & Research *Date*
6/2/95



NOTE: The purpose of this Site Development Plan is to provide a coordinated Mass Grading Plan for the construction of the Marshalee Drive platform road to the Howard County Golf Course Clubhouse and Parcels A, B and D. The Marshalee Drive Mass Grading Site Development Plan is under separate submission (SDP 95-77) for Capital Project J-413a.

REVISIONS	
NO.	DATE

LDE, INC.
8836 Columbia 100 Parkway, Unit N, Columbia, MD 21046
(410) 715-1070 • (301) 896-3424 • (410) 715-0681 (fax)

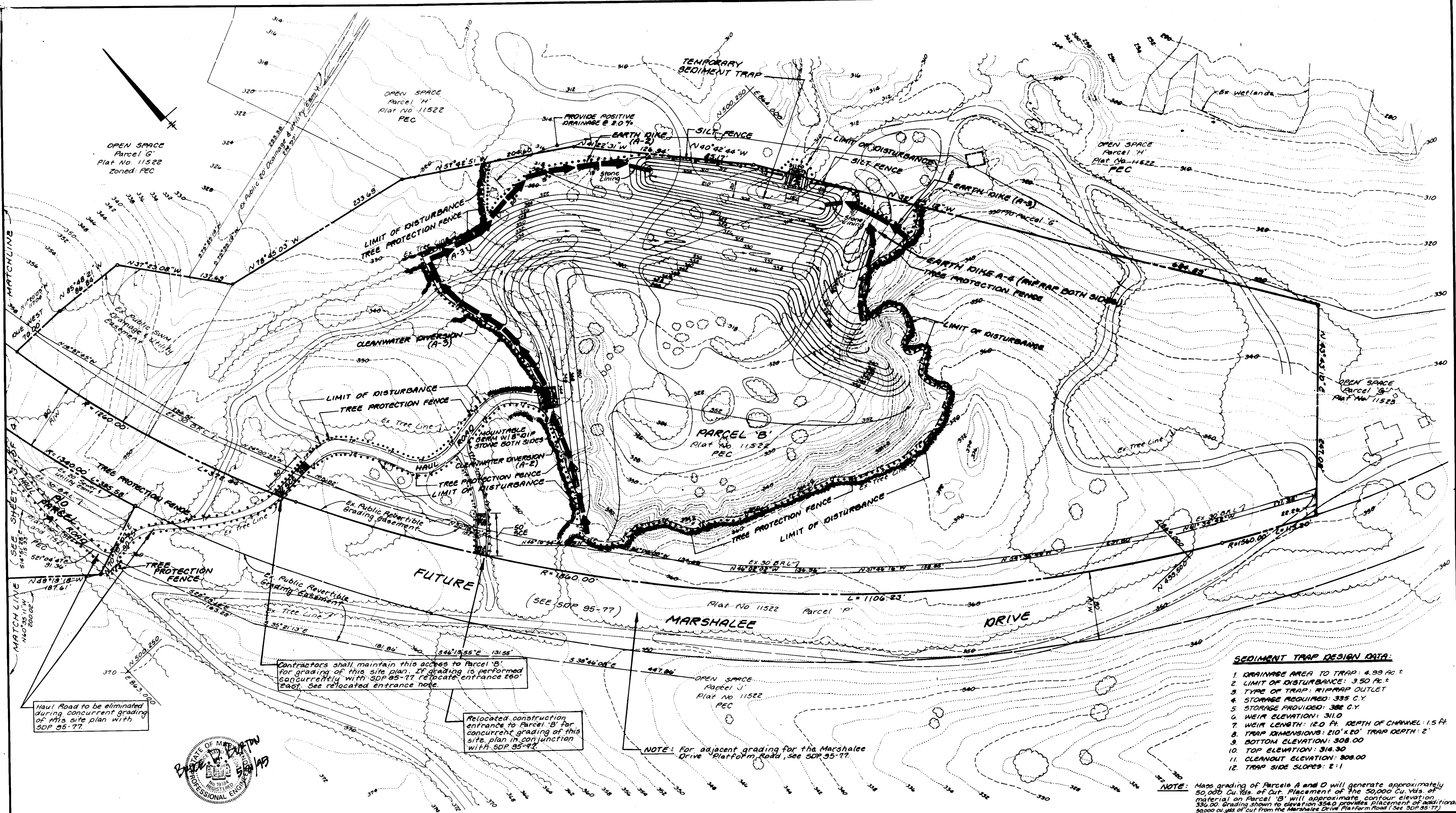
Designed: BOB
Drawn: KBW
Checked: BOB
Date: Jan 1995

TITLE SHEET
CENTRE 9500
TAX MAP # 37 MD PARCEL 640
1ST ELECTION DISTRICT HOWARD CO., MD.

Previous Submittals: S93-02, P93-11, F94-26, SDP 93-105, SDP 93-75, SDP 95-77

OWNER/DEVELOPER
100 INVESTMENT LTD. PARTNERSHIP
8835 P. Columbia 100 Parkway
Columbia, Maryland 21063 (410) 730-0910

Scale: As Shown
Drawing: 1 of 4
Job No: 95-00.0
File No: SDP 95-71



SEDIMENT TRAP DESIGN DATA:

1. DRAINAGE AREA TO TRAP: 4.99 AC ±
2. LIMIT OF DISTURBANCE: 3.50 AC ±
3. TYPE OF TRAP: RIPRAP OUTLET
4. STORAGE PROVIDED: 335 C.Y.
5. STORAGE REQUIRED: 388 C.Y.
6. WEIR LENGTH: 31.0
7. WEIR ELEVATION: 311.0
8. TRAP DIMENSIONS: 210' x 20' TRAP DEPTH: 2'
9. BOTTOM ELEVATION: 308.00
10. TOP ELEVATION: 314.30
11. CLEANOUT ELEVATION: 309.00
12. TRAP SIDE SLOPES: 2:1

Contractors shall maintain this access to Parcel 'B'. For grading of this site plan, if grading is performed concurrently with SDP 95-77, relocate entrance to Parcel 'B'. See relocated entrance note.

Relocated construction entrance to Parcel 'B' for concurrent grading of this site plan in conjunction with SDP 95-77.

NOTE: For adjacent grading for the Marshalee Drive Platform Road, see SDP 95-77.

NOTE: Mass grading of Parcels A and D will generate approximately 50,000 Cu. Yds. of cut. Placement of the 50,000 Cu. Yds. of material on Parcel 'B' will approximate contour elevation, 334.00. Grading shown to elevation 354.00 provides placement of additional 50,000 cu yds of cut from the Marshalee Drive Platform Road. (See SDP 95-77)



ENGINEER'S CERTIFICATE
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with requirements of the Howard Soil Conservation District.

Signature of Engineer: *Prave D. [Signature]* Date: 5/31/95

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 also authorize periodic onsite inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

Signature of Developer: *W.P.N.* Date: 2/16/95

Reviewed for Howard County Soil Conservation District and meets technical requirements.
Patricia Engle, Director, Natural Resources Conservation Office, 6/2/95
This development is approved for Soil, Erosion and Sediment Control by the Howard Soil Conservation District.
APPROVED: *John R. [Signature]* 6/2/95
Howard Soil Conservation District

APPROVED: Department of Public Works for Public Water, Public Sewerage Storm Drainage Systems and Roads.
Jana [Signature] 6/15/95
Director, Public Works
Paul [Signature] 6/15/95
Chief, Bureau of Engineering

APPROVED: Department of Planning and Zoning.
James [Signature] 6/16/95
Planning Director
Anna [Signature] 6/16/95
Chief, Division of Community Planning and Land Development & Research

REVISIONS	
NO.	DATE

LDE, INC.
8835 Columbia 100 Parkway, Unit M, Columbia, MD 21046
(410) 715-1070 • (301) 596-3424 • (410) 715-0881 (fax)

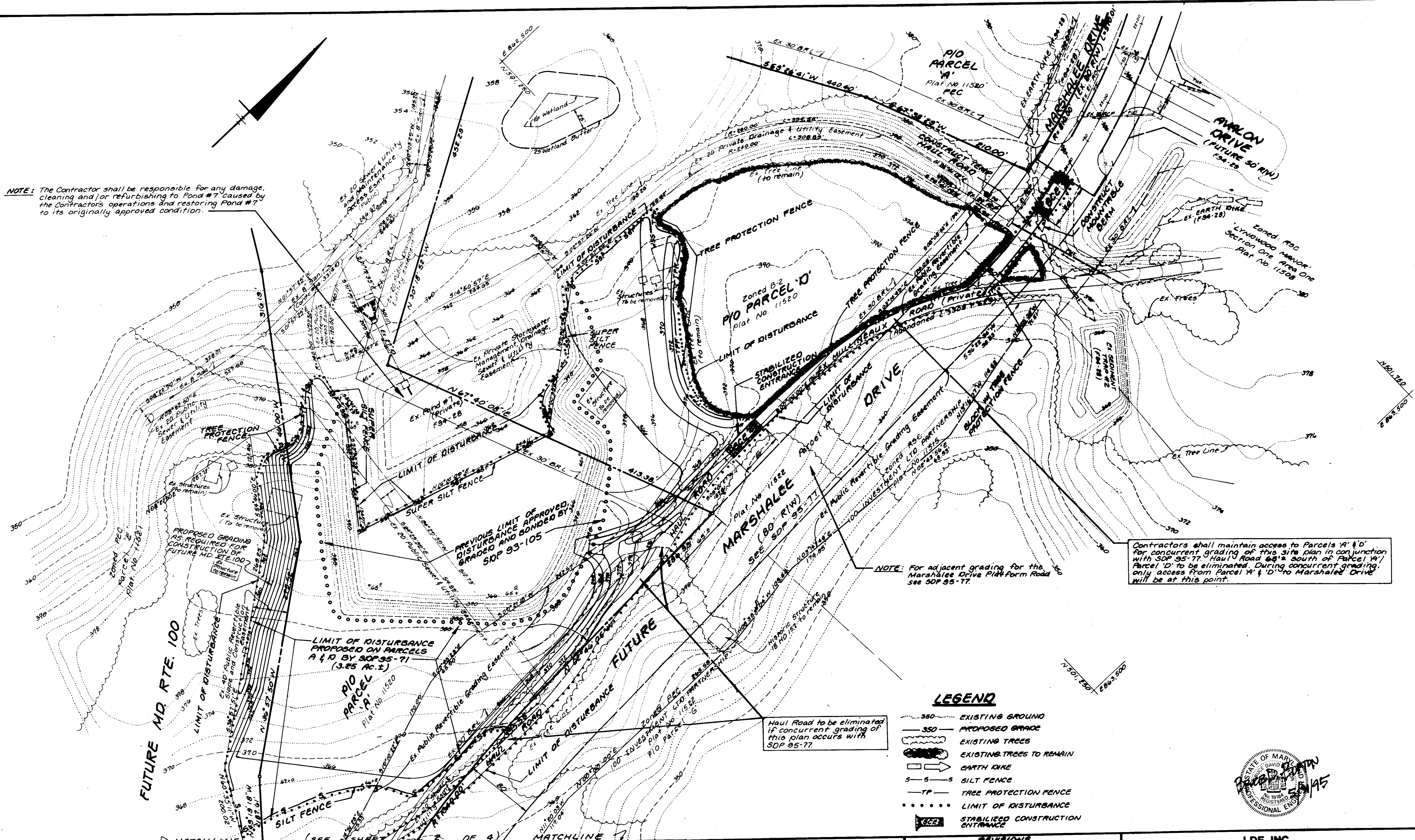
Designed: DDD
Drawn: KOW
Checked: DDD
Date: Jan 1995

SITE DEVELOPMENT, GRADING AND SEDIMENT & EROSION CONTROL PLAN
CENTRE 9500
MASS GRADING PLAN FOR PARCELS A, B & D
TAX MAP # 37 10 PARCEL 640
1ST ELECTION DISTRICT HOWARD CO., MD

Previous Submittals: S93-02, P93-11, F94-26
SOP 93-105, SOP 93-75, SOP 95-77
Owner/Developer:
100 INVESTMENT LTD. PARTNERSHIP
8835 P. Columbia 100 Parkway
Columbia, Maryland 21045 (410) 730-0810

Scale: 1" = 50'
Drawing: 2 of 4
Job No: 95-0010
File No: N/A

NOTE: The Contractor shall be responsible for any damage, cleaning and/or refurbishing to Pond #7 caused by the Contractor's operations and restoring Pond #7 to its originally approved condition.



Contractors shall maintain access to Parcels A & D for concurrent grading of this site plan in conjunction with SDP 95-77. Haul Road 66' x 30' south of Parcel A/Parcel D to be eliminated. During concurrent grading, only access from Parcel A & D to Marshalee Drive will be at this point.

NOTE: For adjacent grading for the Marshalee Drive Platform Road see SDP 95-77.

LEGEND

- 360 --- EXISTING GROUND
- 350 --- PROPOSED GRADE
- --- EXISTING TREES
- --- EXISTING TREES TO REMAIN
- --- EARTH DIKE
- --- SILT FENCE
- --- TREE PROTECTION FENCE
- --- LIMIT OF DISTURBANCE
- --- STABILIZED CONSTRUCTION ENTRANCE



ENGINEER'S CERTIFICATE
 "I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with requirements of the Howard Soil Conservation District."
 Bruce D. Brown 5/31/95
 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 also authorize periodic onsite inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."
 W.Z.N. 2/16/95
 Signature of Developer Date

Reviewed for Howard County Soil Conservation District and meets technical requirements.
 Patricia Engle 6/2/95
 Director, Soil Conservation District
 This development is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
 APPROVED:
 John Robertson 6/2/95
 Health Officer Date

APPROVED: Department of Public Works for Public Water, Public Sewerage Storm Drainage Systems and Roads.
 James A. New 4/6/95
 Director, Public Works Date
 Robert P. Ryan 6/5/95
 Chief, Bureau of Engineering Date
 APPROVED: Howard County Health Department for Public Water and Public Sewerage Systems.
 N/A
 Health Officer Date

APPROVED: Department of Planning and Zoning
 Planning Director Date
 June Jurewicz 6/6/95
 Chief, Division of Community Planning and Land Development & RESEARCH Date

REVISIONS

No.	DATE	DESCRIPTION

Property of: CENTRE 9500
 Section (Area): A, B and D
 Parcel: A, B and D
 Plat No: 1131-1131, 10, 11
 Zone: P.C. B-2
 Tax (Zone): 37
 E. 1st
 Census Tract: 6011
 Water Code: N/A
 Sewer Code: N/A

LDE, INC.
 8835 Columbia 100 Parkway, Unit N, Columbia, MD 21045
 (410) 715-1070 • (301) 596-3424 • (410) 715-0681 (fax)

Designed: BOB
 Drawn: KOW
 Checked: BOB
 Date: Jan 1995

SITE DEVELOPMENT, GRADING AND SEDIMENT & EROSION CONTROL PLAN
CENTRE 9500
 MASS GRADING PLAN FOR PARCELS A, B, D
 TAX MAP # 37 40 PARCEL 640
 1ST ELECTION DISTRICT HOWARD CO., MD.
 Previous Submittals: 9-3-92, P-3-11, F-3-26
 SDP 93-105, SDP 93-75, SDP 95-77
 DATE: 10/16/95
 100 INVESTMENT LTD. PARTNERSHIP
 8835 P. Columbia 100 Parkway
 Columbia, Maryland 21045 (410) 730-0810

Scale: 1" = 50'
 Drawing: 3 of 4
 Job No: 95 0010
 File No:

