

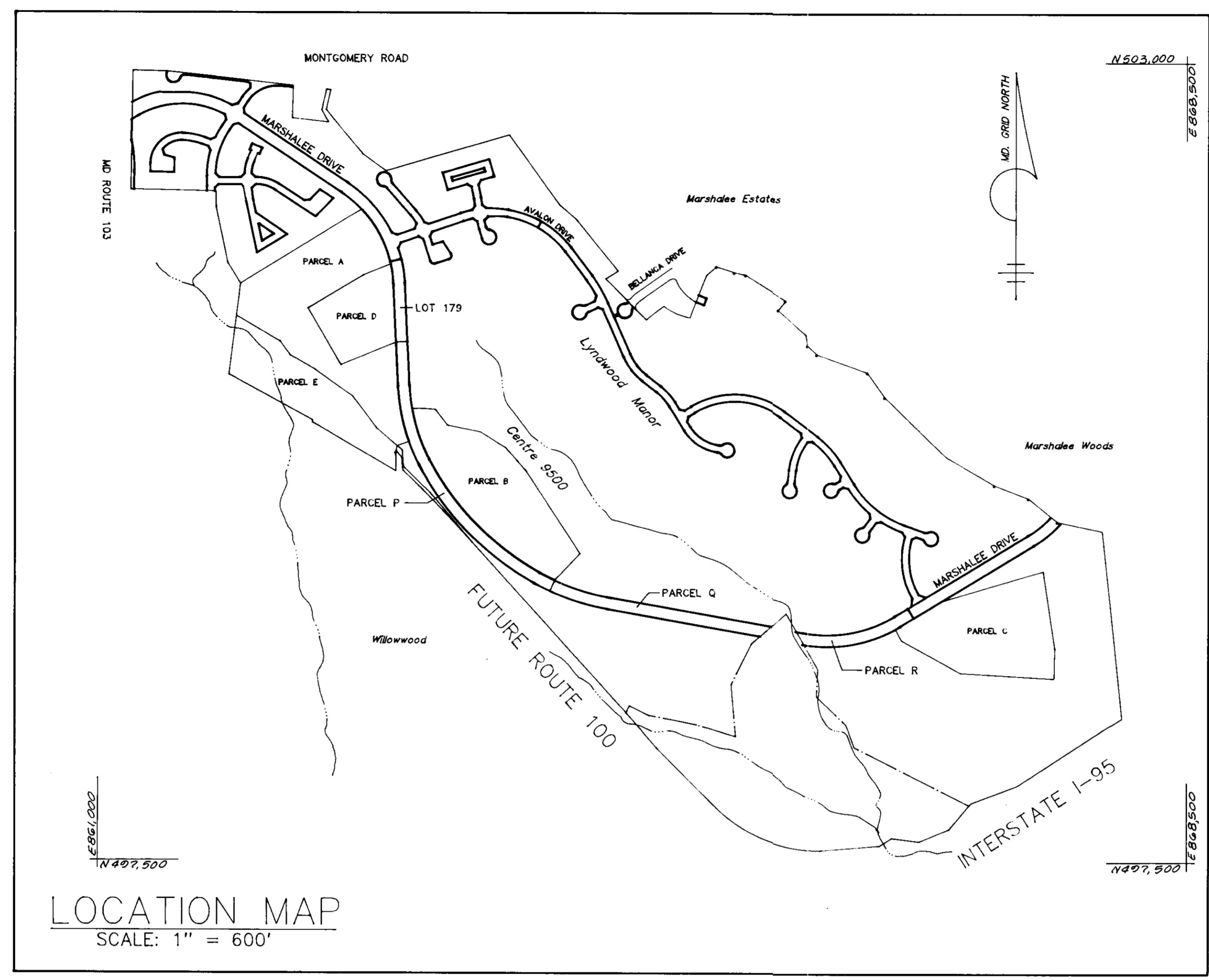
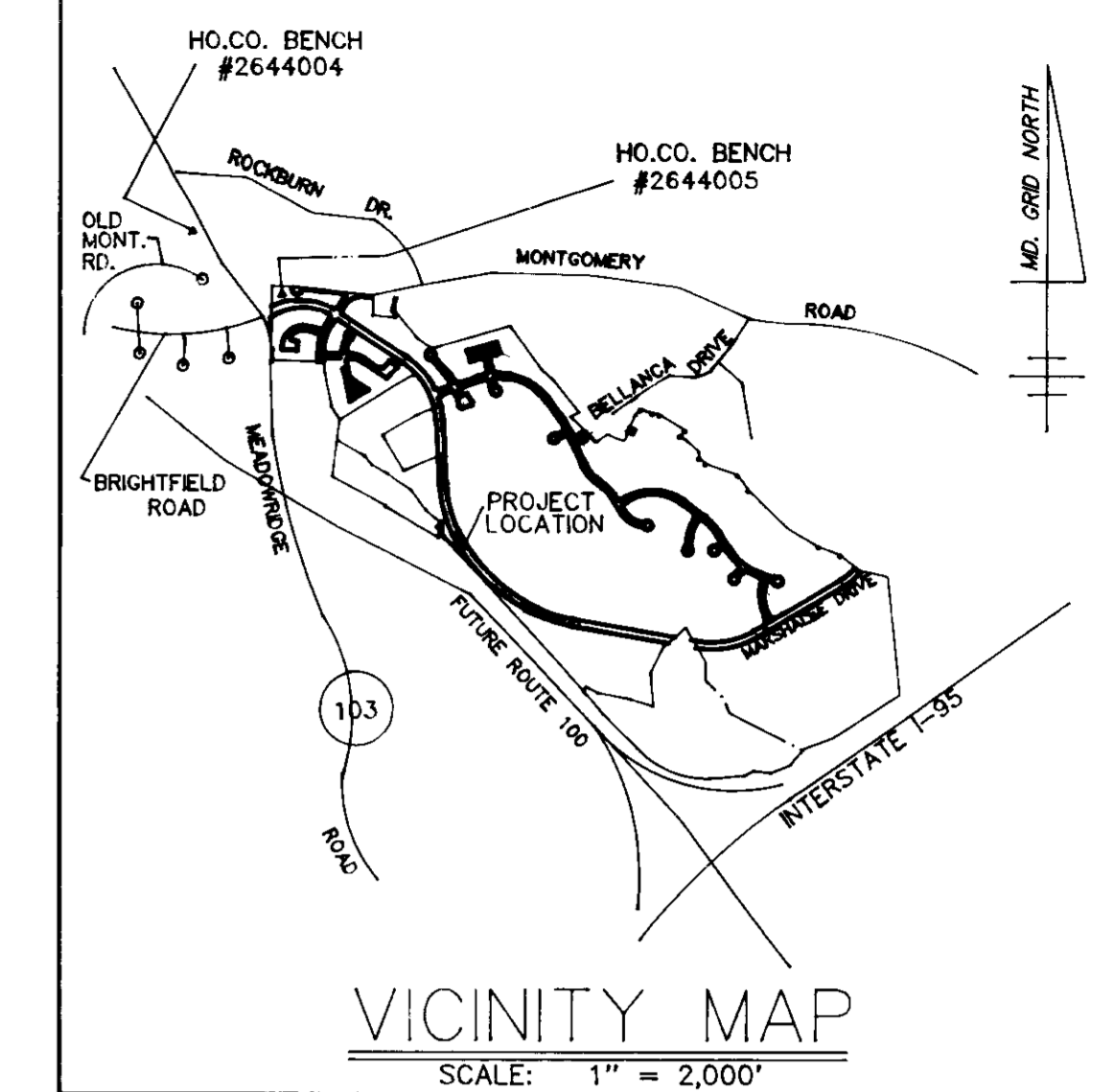
GENERAL NOTES

- All construction shall be in accordance with the latest standards and specifications of Howard County, plus MSHA standards, as applicable.
- The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection Division at (410) 317-1363 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: Elkrige, Tax Map: 37, Parcels: P, Q, Lot 179
 Zoning: RSC (Residential: Single Cluster), PEC
 ZB/BA Ref: ZB 877 R & M, PB 284, RES 188
 Election District: 1st
 Total Area: 7.6728 Ac. plus/minus
 Previous Submittals: S93-02, P93-11, SDP93-75, SDP93-105, F-94-26, F-94-28, F-94-29, SDP-94-71
- 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 photogrammetric aerial survey, compiled by Dewberry & Davis (March 16, 1986); and post-graded conditions in accordance with F-94-28 and F-94-29.
- Horizontal and vertical datums are related to the Maryland State Plane Coordinate System as projected from Howard county control stations No. 2644004 and No. 2644005 (NAD 27).
- 401 Permit #RP91-00469-7, exp. August 1, 1995.
 404 Permit #92-WQ-0313, exp. July 29, 1996.
- All hydraulic data is for the 10-year storm unless otherwise noted.
- See sheet 6 for construction sequence.
- 95% compaction in all fill areas shall be determined by AASHTO T-180.
- A contractual agreement exists between the owner, Howard County and the developer for the development of Marshalee Drive. This plan is for mass grading of future Marshalee Drive from Station 24+00 to Station 57+50. The balance of any required improvements will be provided with future submissions.
- Capital Project J-4136, improvements to Marshalee Drive will be constructed by Howard County from station 23+00 to station 57+50 upon completion of the platform road, Capital Project J-4136 will be constructed by June, 1996. Capital Project J-4136 will provide permanent stormwater management. All sediment and erosion control measures established under SDP 95-77 will remain in place for the construction of the J-4136 Capital Project.

BENCHMARKS

Howard County Monument # 2644005 Elevation 416.981
 Description: Concrete Monument .2' below surface
 South side Montgomery Road East of Meadow Ridge Road.

Howard County Monument # 2644004 Elevation 402.135
 Description: Concrete Monument .1' below surface
 SW corner of intersection Rt. 103 and Old Montgomery Road.



INDEX OF SHEETS	
SHEET NO.	TITLE
1	Cover sheet
2	Plan view 24+00 to 32+61.93
3	Plan view 32+61.93 to 43+10
4	Plan view 43+10 to 53+00
5	Plan view 53+00 to 57+50
6	Sediment and Erosion Control Details and Notes
7	Drainage Area Map 24+00 to 32+61.93
8	Drainage Area Map 32+61.93 to 43+10
9	Drainage Area Map 43+10 to 53+00
10	Drainage Area Map 53+00 to 57+50
11	Profile 24+00 to 38+00
12	Profile 38+00 to 49+50
13	Profile 49+50 to 57+50
14	Cross Sections 24+00 to 29+50
15	Cross Sections 30+00 to 34+50
16	Cross Sections 35+00 to 42+00
17	Cross Sections 42+50 to 47+50
18	Cross Sections 48+00 to 54+00
19	Cross Sections 54+50 to 57+50
20	Typical Road Sections

SITE DEVELOPMENT PLANS
 Centre 9500 Parcels P & Q
 Lyndwood Manor Lot 179

ADDRESS CHART			
LOT NUMBER	STREET ADDRESS		
179 & PARCEL: P&Q	6000 MARSHALEE DRIVE (FOR MASS GRADING ONLY)		
SUBDIVISION NAME	CENTRE 9500/ LYNDWOOD MANOR	SECTION/AREA	PARCEL NO. P & Q 179
PLAN NO. 11922, 11923/ 11515	BLOCK NO. 10	ZONE PECB-2/ RSC	TAX MAP NO. 37
ELECTION DISTRICT		1	CENSUS TRACT 6001.02
WATER CODE		SEWER CODE	

LDE, INC. 8835 Columbia 100 Parkway, Unit N, Columbia, MD. 21045 (410) 715-1070 (301) 596-3424 (410) 715-0681 (Fax)			
DESIGNED T.D./E.S.	Site Development Plan Cover sheet		SCALE AS SHOWN
DRAWN W.J./S.D.	Centre 9500 Parcels P & Q Lyndwood Manor Lot 179		DRAWING 1 OF 26
CHECKED B.D.B.	1st Election District Howard County, Maryland		JOB NO. 95-006.4
DATE 2/95	OWNER: 100 INVESTMENT LIMITED PARTNERSHIP 8835-P COLUMBIA 100 PARKWAY COLUMBIA, MARYLAND 21045	DEVELOPER: RAINMAKER/KILLIAN L.L.C. 5111 AVOCA AVENUE ELICOTT CITY, MARYLAND 21043	FILE NO.

BRUCE D. BURTON
4/10/95

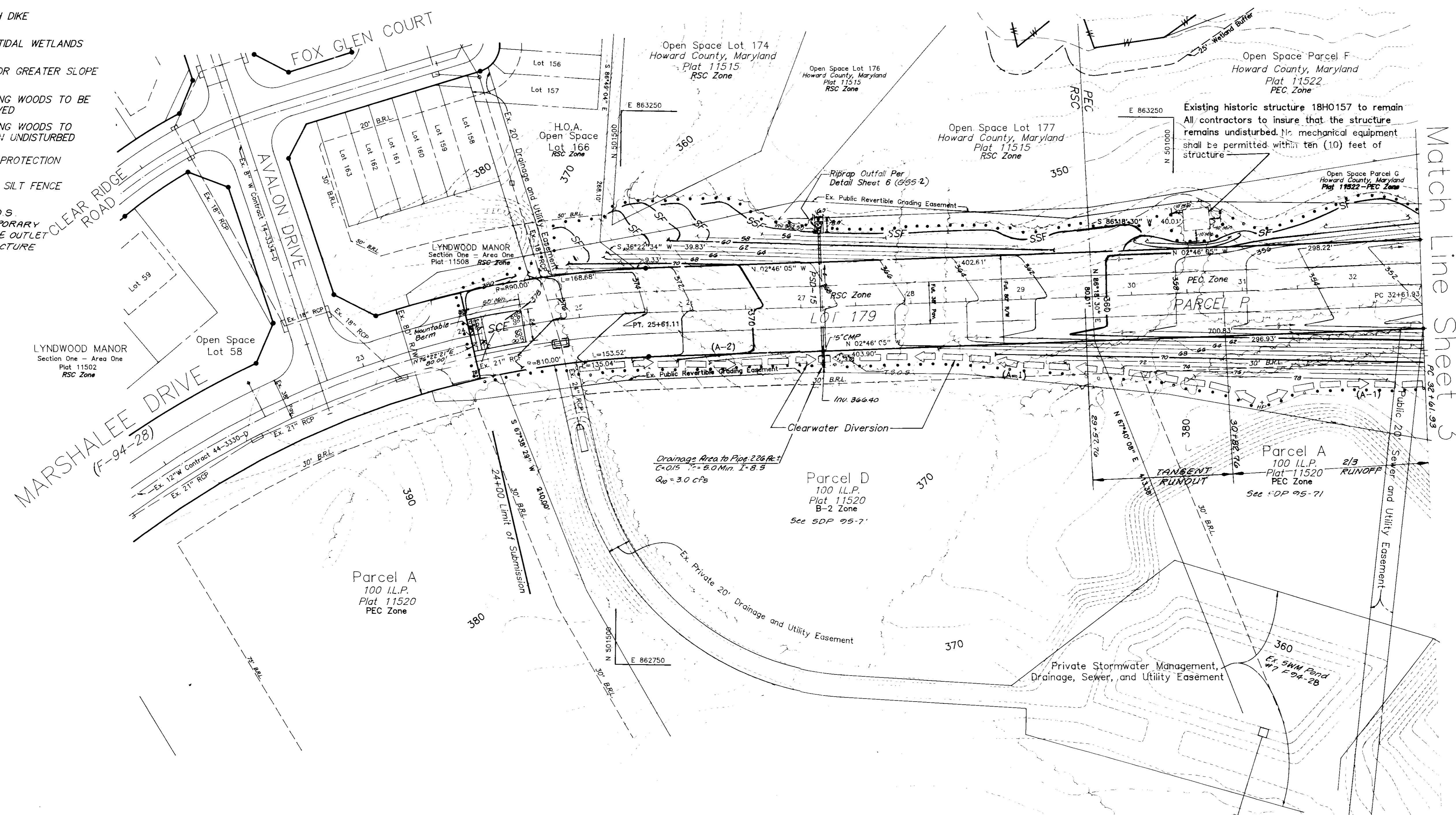
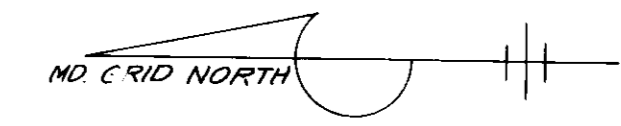
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING DIRECTOR DATE: 6/15/95 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH (A-117)	THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS. NATURAL RESOURCES CONSERVATION SERVICE DATE: 5/25/95	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. BURTON SIGNATURE OF ENGINEER DATE: 4/10/95
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DIRECTOR DATE: 6/19/95 CHIEF, BUREAU OF ENGINEERING	THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. HOWARD SOIL CONSERVATION DISTRICT DATE: 5/25/95	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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY." SCOTT E. O'NEIL SIGNATURE OF DEVELOPER DATE: 2/20/95

LEGEND

- EXISTING CONTOUR (2' INTERVAL)
- PROPOSED CONTOUR (2' INTERVAL)
- STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- SILT FENCE
- EARTH DIKE
- NON-TIDAL WETLANDS
- 25% OR GREATER SLOPE
- EXISTING WOODS TO BE REMOVED
- EXISTING WOODS TO REMAIN UNDISTURBED
- INLET PROTECTION
- SUPER SILT FENCE
- T.S.O.S. TEMPORARY STONE OUTLET STRUCTURE

Name and Station	Radius	Delta	Arc	Tan	Chord	Bearing	Superelevation
Marshalee Drive 24+00 to 25+61.10	850.00'	10 51' 34"	161.10'	10.79'	160.88'	S 08 11' 33" E	4.22%

Coordinates		
Station	North	East
PT 25+61.11	501474.204	863068.174
PC 32+61.93	500774.193	863102.020



Match Line Sheet 3

SUBDIVISION NAME CENTRE 9500/ LYNDWOOD MANOR		SECTION/AREA 1/1	PARCEL NO. P & Q/ 179
PLAT NO. 11522, 11523/ 11515	BLOCK NO. 10	ZONE PEC-B-2/ RSC	TAX MAP NO. 37
WATER CODE		ELECTION DISTRICT 1	CENSUS TRACT 6001.02
		SEWER CODE	

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

 DATE: 4/5/95

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

 DATE: 5/25/95

ENGINEER'S CERTIFICATE
 "I HEREBY CERTIFY THAT THE 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."

 DATE: 4/10/95

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

 DATE: 4/1/95

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

 DATE: 5/21/95

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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

 DATE: 2/20/95

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

DESIGNED T.D./E.S.	PLAN VIEW 24+00 to 32+61.93 Centre 9500 Parcels P & Q Lyndwood Manor Lot 179 1st Election District Howard County, Maryland	SCALE 1"=50'
DRAWN W.J./S.D.		DRAWING 2 of 20
CHECKED B.D.B.		JOB NO. 95-006.4
DATE 2/95		FILE NO.

OWNER:
100 INVESTMENT LIMITED PARTNERSHIP
8835-P COLUMBIA 100 PARKWAY
COLUMBIA, MARYLAND 21045

DEVELOPER:
RANMAKER/KILLIAN L.L.C.
5111 AVOCA AVENUE
ELLCOTT CITY, MARYLAND 21043

DATE: 4/10/95

Centerline Curve Data

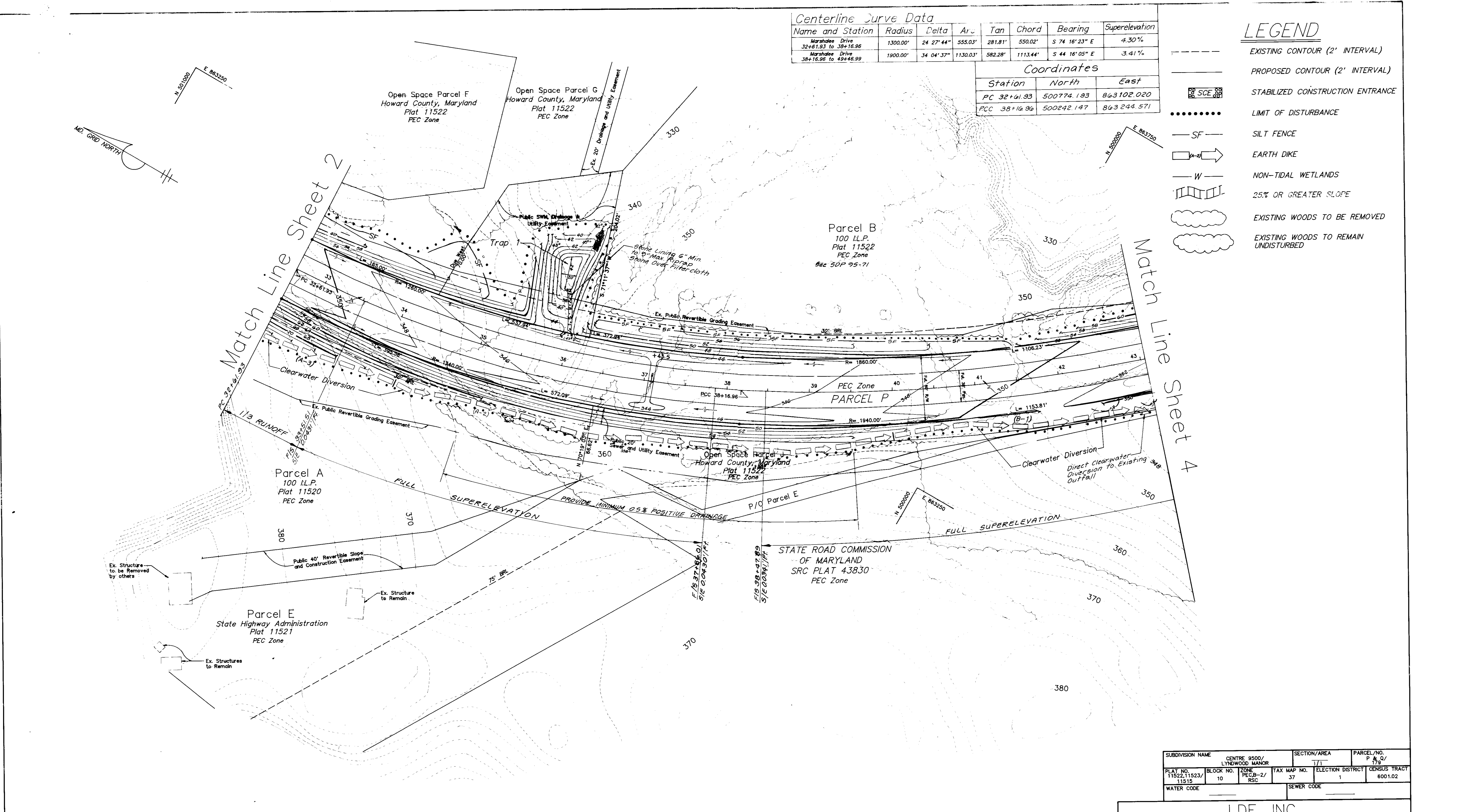
Name and Station	Radius	Delta	Area	Tan	Chord	Bearing	Superelevation
Marshalee Drive 32+61.93 to 38+16.96	1300.00'	24 27' 44"	555.03'	281.81'	550.02'	S 74 16' 23" E	4.30%
Marshalee Drive 38+16.96 to 49+46.99	1900.00'	34 04' 37"	1130.03'	582.28'	1113.44'	S 44 16' 05" E	3.41%

Coordinates

Station	North	East
PC 32+61.93	500774.193	863102.020
PCC 38+16.96	500242.147	863244.571

LEGEND

- EXISTING CONTOUR (2' INTERVAL)
- - - PROPOSED CONTOUR (2' INTERVAL)
- [Symbol] SCE [Symbol] STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- SF- SILT FENCE
- [Symbol] EARTH DIKE
- W- NON-TIDAL WETLANDS
- [Symbol] 25% OR GREATER SLOPE
- [Symbol] EXISTING WOODS TO BE REMOVED
- [Symbol] EXISTING WOODS TO REMAIN UNDISTURBED



SUBDIVISION NAME CENTRE 9500/ LYNDWOOD MANOR		SECTION/AREA 1/1	PARCEL/NO. P & Q/ 179
PLAT NO. 11522, 11523/ 11515	BLOCK NO. 10	ZONE PECB-2/ RSC	TAX MAP NO. 37
ELECTION DISTRICT 1		CENSUS TRACT 6001.02	
WATER CODE		SEWER CODE	

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 6/5/95
DIRECTOR DATE

[Signature] 6/5/95
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

[Signature] 5/25/95
NATURAL RESOURCES CONSERVATION SERVICE DATE

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] 4/10/95
SIGNATURE OF ENGINEER DATE

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

[Signature] 6/1/95
DIRECTOR DATE

[Signature] 5/31/95
CHIEF, BUREAU OF ENGINEERING DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 5/25/95
HOWARD SOIL CONSERVATION DISTRICT 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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

[Signature] 2/20/95
SIGNATURE OF DEVELOPER DATE



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

DESIGNED: PLAN VIEW
T.D./E.S. 32+61.93 to 43+10
DRAWN: Centre 9500 Parcels P & Q
W.J./S.D. Lyndwood Manor Lot 179
CHECKED: 1st Election District
B.D.B. Howard County, Maryland
DATE: 2/95

OWNER: 100 INVESTMENT LIMITED PARTNERSHIP
8835-P COLUMBIA 100 PARKWAY
COLUMBIA, MARYLAND 21045

DEVELOPER: RAINMAKER/KILIAN L.L.C.
5111 AVOCADO AVENUE
ELLICOTT CITY, MARYLAND 21043

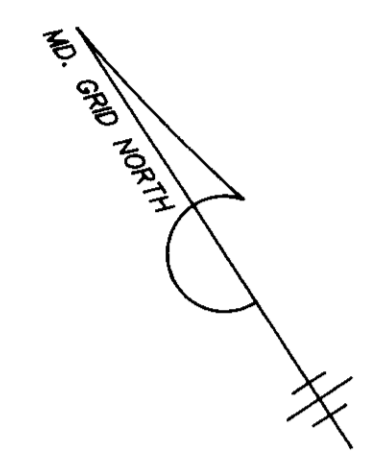
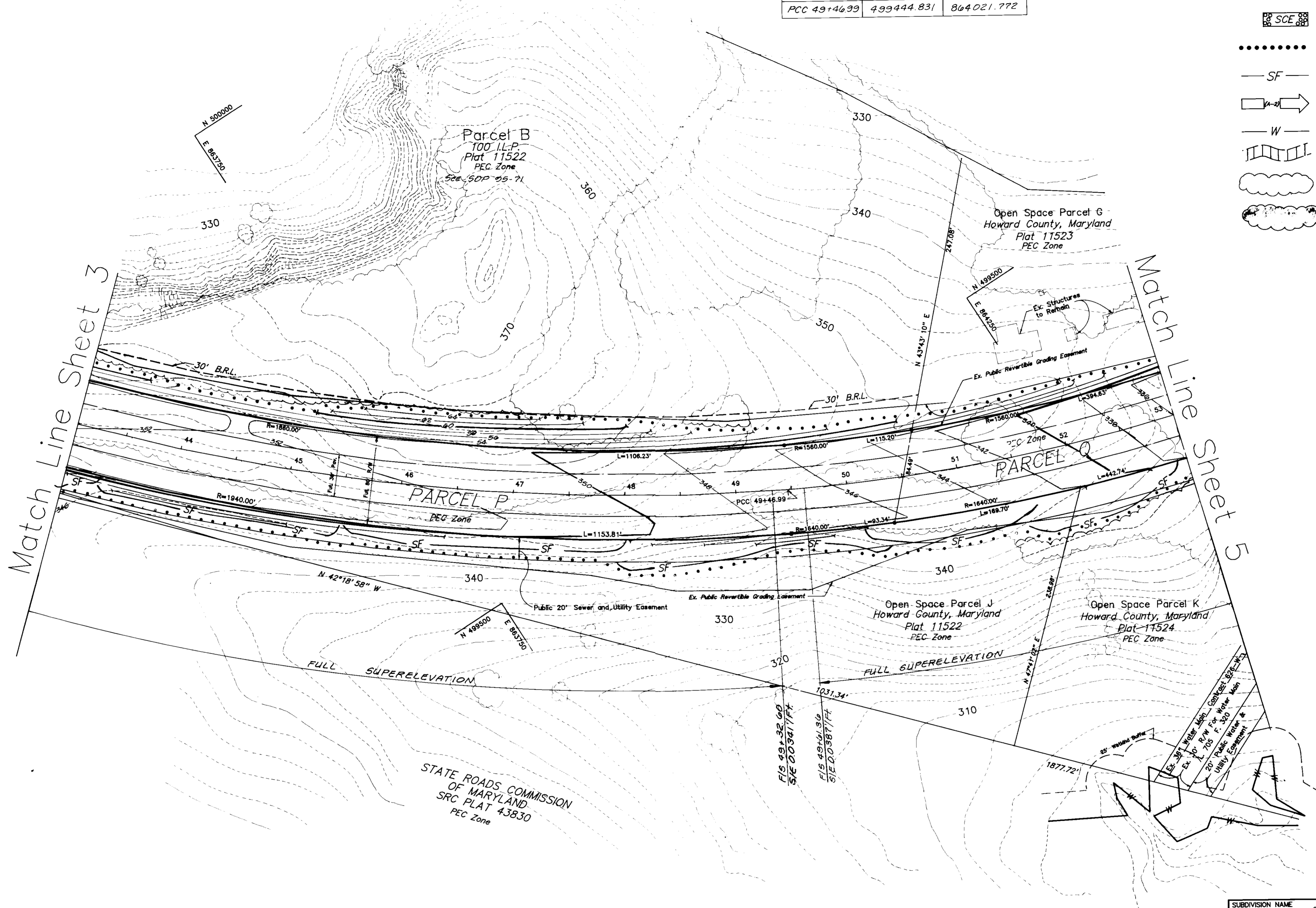
SCALE: 1"=50'
DRAWING: 3 of 20
JOB NO.: 95-006.4
FILE NO.:

SDP-95-77

Centerline Curve Data							
Name and Station	Radius	Delta	Arc	Tan	Chord	Bearing	Superelevation
Marshall Drive 49+46.99 to 54+69.88	1600.00'	18 43' 29"	522.89'	263.80'	520.58'	S 70 40' 10" E	3.87%

Coordinates		
Station	North	East
PCC 49+46.99	4999444.831	864021.772

- LEGEND**
- EXISTING CONTOUR (2' INTERVAL)
 - - - PROPOSED CONTOUR (2' INTERVAL)
 - [SCE] STABILIZED CONSTRUCTION ENTRANCE
 - LIMIT OF DISTURBANCE
 - SF - SILT FENCE
 - [E-DI] EARTH DIKE
 - W - NON-TIDAL WETLANDS
 - [SLOPE] 2.5% OR GREATER SLOPE
 - [WOODS] EXISTING WOODS TO BE REMOVED
 - [WOODS] EXISTING WOODS TO REMAIN UNDISTURBED



SUBDIVISION NAME	CENTRE 9500/ LYNDWOOD MANOR	SECTION/AREA	PARCEL NO.
PLAT NO.	BLOCK NO.	TAX MAP NO.	ELECTION DISTRICT
11522, 11523/ 11515	10	37	1
WATER CODE	SEWER CODE	CENSUS TRACT	6001.02

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

James Heath 6/5/95
DIRECTOR DATE

Janice V. D. Layton 4/5/95
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

Patricia Engler 5/25/95
NATURAL RESOURCES CONSERVATION SERVICE DATE

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

James J. Skew 6/1/95
DIRECTOR DATE

Paul R. ... 5/31/95
CHIEF, BUREAU OF ENGINEERING DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 5/25/95
HOWARD SOIL CONSERVATION DISTRICT DATE

ENGINEER'S CERTIFICATE

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE 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. Burton 4/10/95
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 FIELD, ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

[Signature] 2/20/95
SIGNATURE OF DEVELOPER DATE

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

DESIGNED: T.D./E.S.
DRAWN: W.J./S.D.
CHECKED: B.D.B.
DATE: 2/95

PLAN VIEW
43+10 to 53+00
Centre 9500 Parcels P & Q
Lyndwood Manor Lot 179
1st Election District
Howard County, Maryland

SCALE: 1"=50'
DRAWING: 4 OF 20
JOB NO.: 95-006.4
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OWNER: 100 INVESTMENT LIMITED PARTNERSHIP
8835-P COLUMBIA 100 PARKWAY
COLUMBIA, MARYLAND 21045

DEVELOPER: RAINMAKER/KILLIAN L.L.C.
5111 AVOCADO AVENUE
ELLCOTT CITY, MARYLAND 21043

SDP-95-77

Bruce D. Burton 4/10/95
[Professional Seal]

**HOWARD SOIL CONSERVATION DISTRICT
STANDARD SEDIMENT CONTROL NOTES**

- 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. (313-1655)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the most current MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1; b) 14 days for all other disturbed or graded areas on the project site.
- All sediment traps/beams shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (Sec. 51), and temporary seeding (Sec. 50), and mulching (Sec. 52). Temporary seeding does not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:

Total Area of Site	7.6728	Acres
Area Disturbed	5.20	Acres
Area to be roofed or paved	0.00	Acres
Area to be vegetatively stabilized	5.20	Acres
Total Cut	88,516	Cu. Yds.
Total Fill	112,876	Cu. Yds.
Off-site waste/borrow area location	502-29-21	
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- On all sites with disturbed areas in accordance with Vol. 2, Chapter 12, of the Howard County Design Manual, Storm Drainage, approval of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment control, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- Trenches for the construction of utilities is limited to three pipe lengths, or that which can be back filled and stabilized within one working day, whichever is shorter.

**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, diking, or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following:

- PREFERRED** --- Apply 2 tons per acre dolomitic limestone (92 lbs/1000sq. ft.) and 800 lbs per acre 10-10-10 fertilizer (14 lbs/1000sq. ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding apply 400 lbs per acre 30-0-0 ureamform fertilizer (8 lbs/1000sq. ft.) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000sq. ft.) before seeding. Harrow or disk into upper three inches of soil.
- ACCEPTABLE** --- Apply 2 tons per acre dolomitic limestone (92 lbs/1000sq. ft.) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000sq. ft.) before seeding. Harrow or disk into upper three inches of soil.

SEEDING --- For the periods March 1 thru April 30, and August 1 thru October 15, seed with 80 lbs per acre (1.4 lbs/1000sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 80 lbs per acre (1.4 lbs/1000sq. ft.) of Kentucky 31 Tall Fescue and 2 lbs. per acre (.08 lbs/1000sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) --- 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) --- Use sod. Option (3) --- Seed with 80 lbs per acre Kentucky 31 Tall Fescue and mulch 2 tons / acre well anchored straw.

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. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq. ft.) for anchoring.

MAINTENANCE --- Inspect all seeding areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed within a short-term vegetative cover is needed.

SEEDBED PREPARATION: --- Loosen upper three inches of soil by raking, diking, or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: --- Apply 800 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 2-12 bushels per acre of annual ryegrass (3.2 lbs/1000sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs/1000sq. ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

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

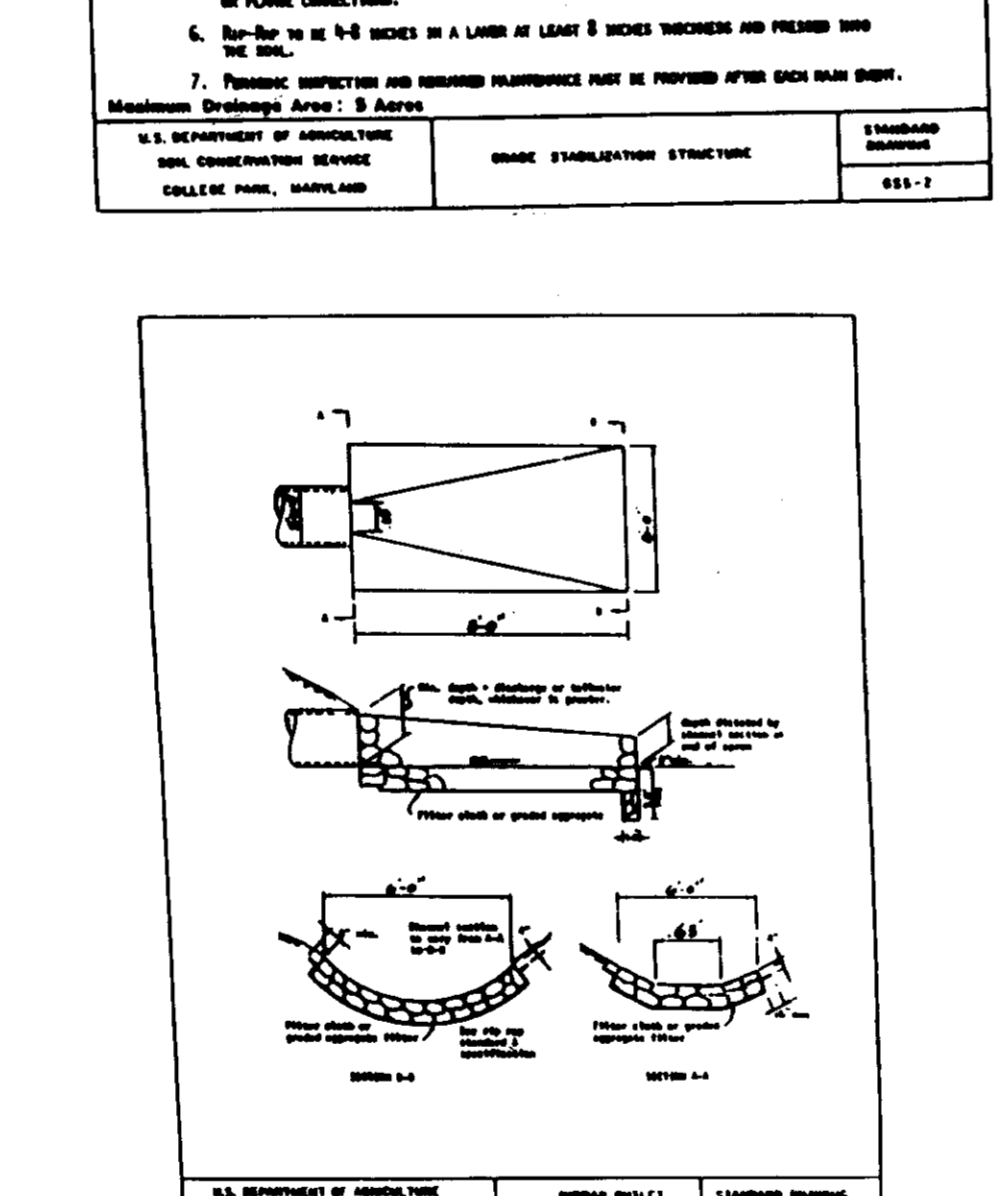
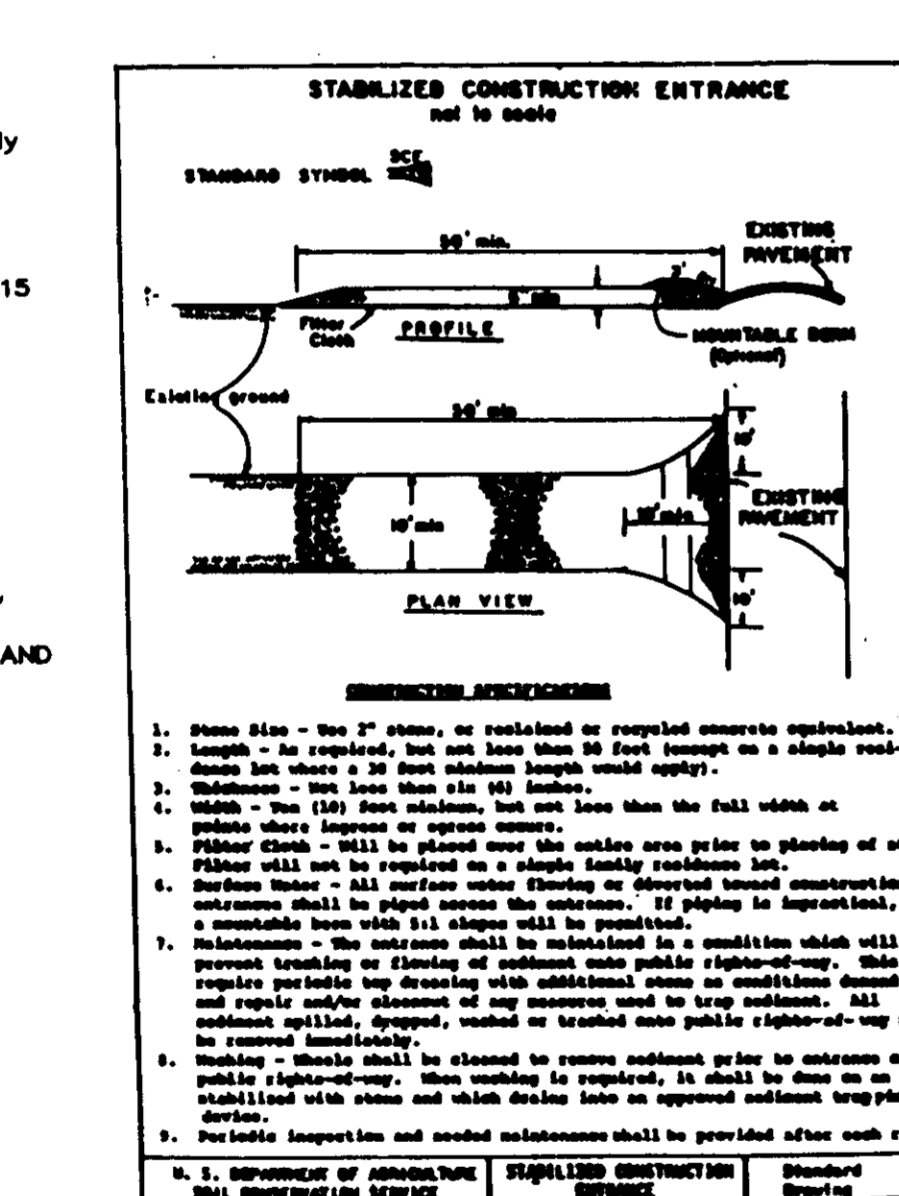
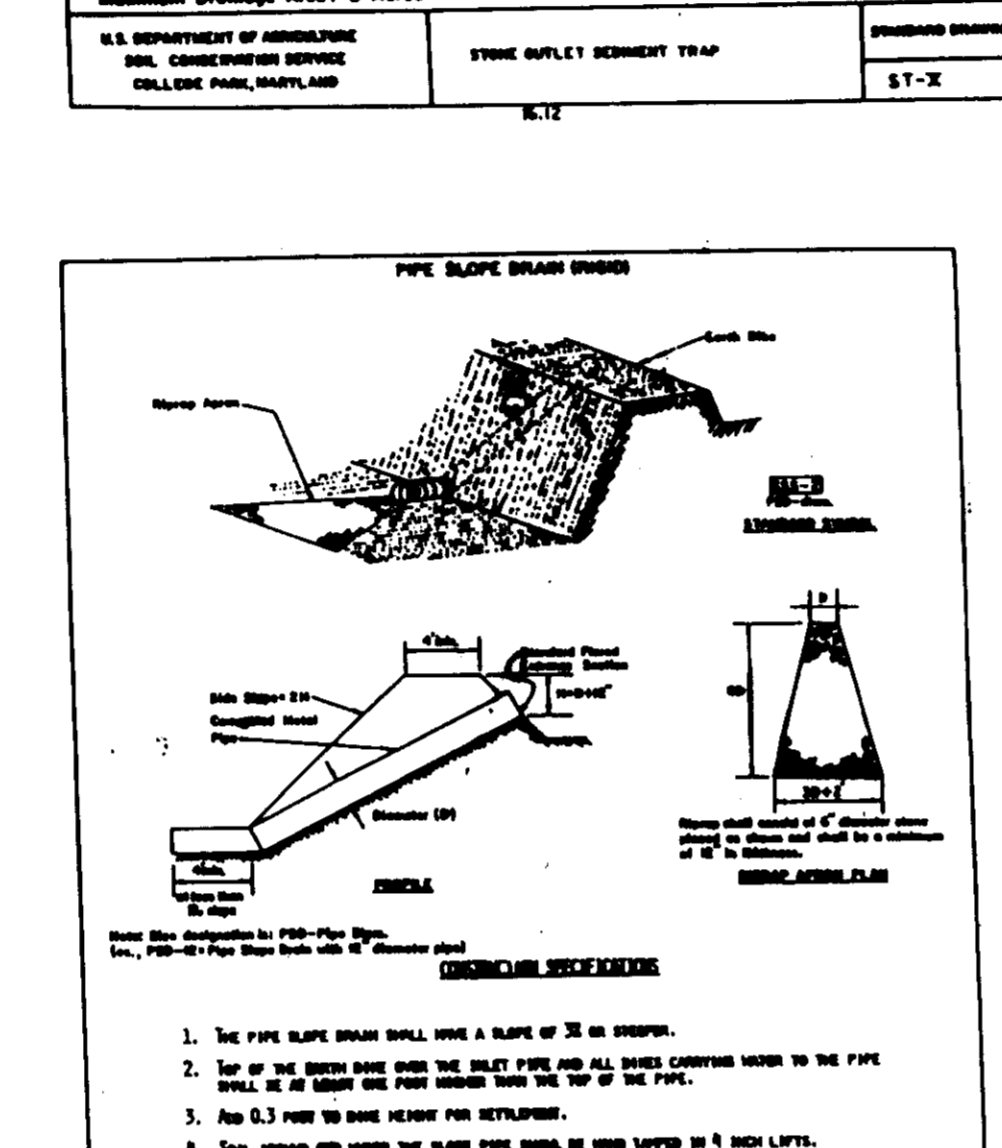
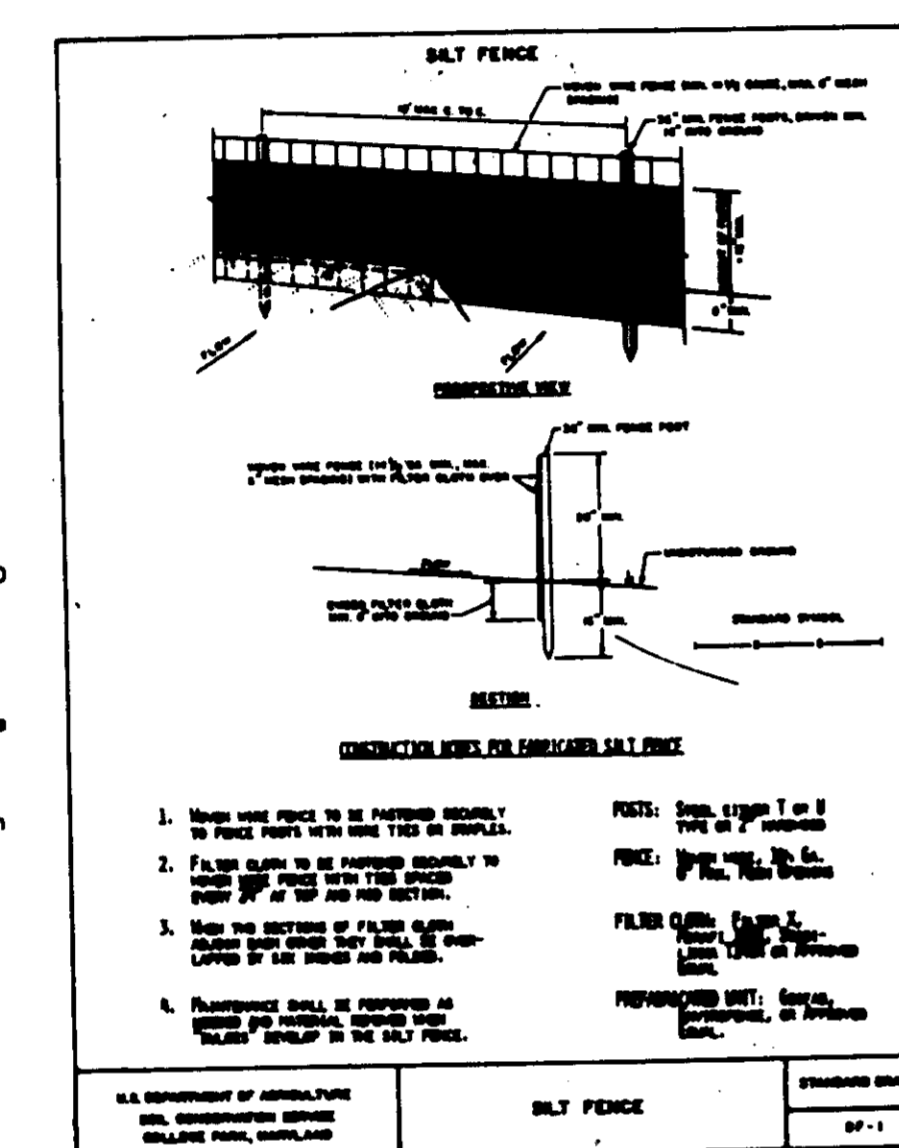
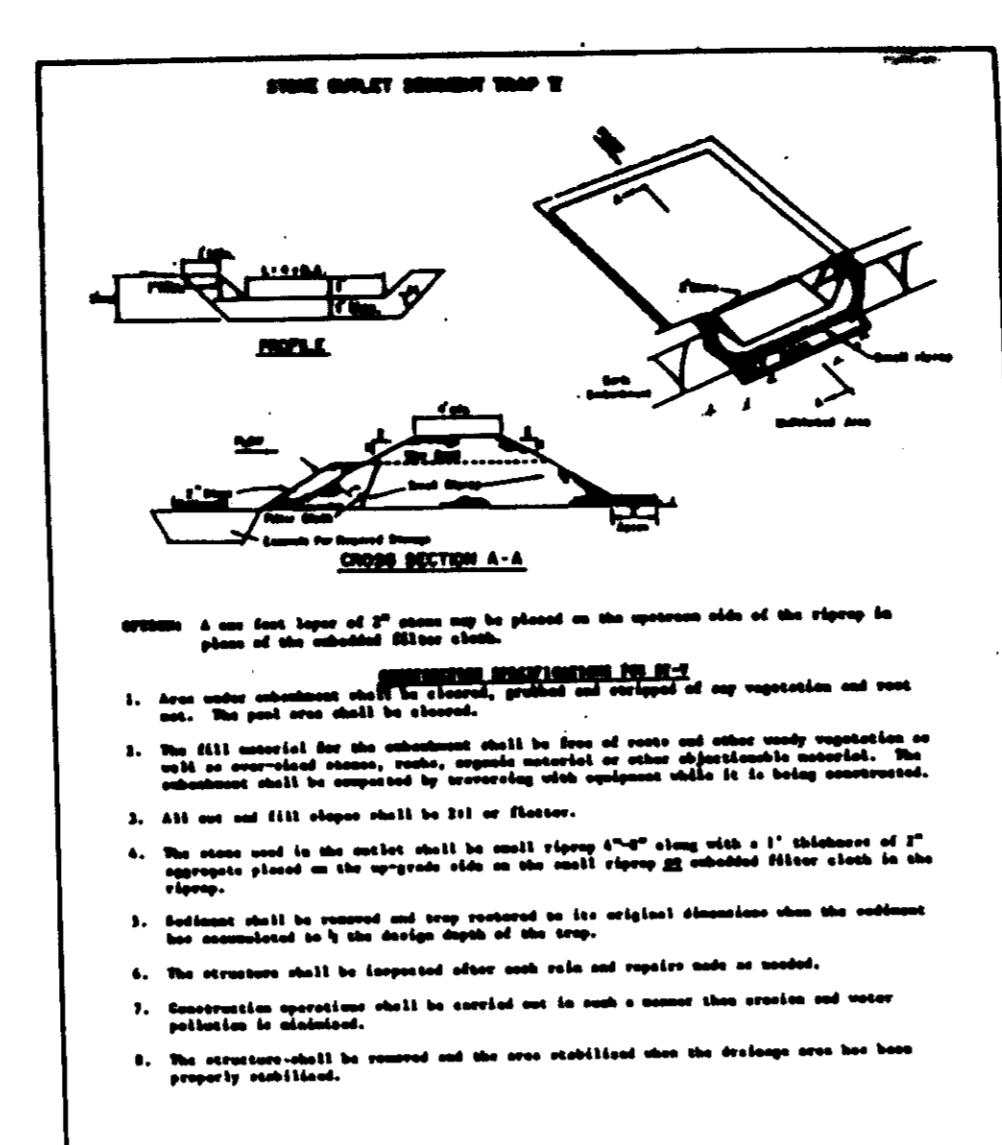
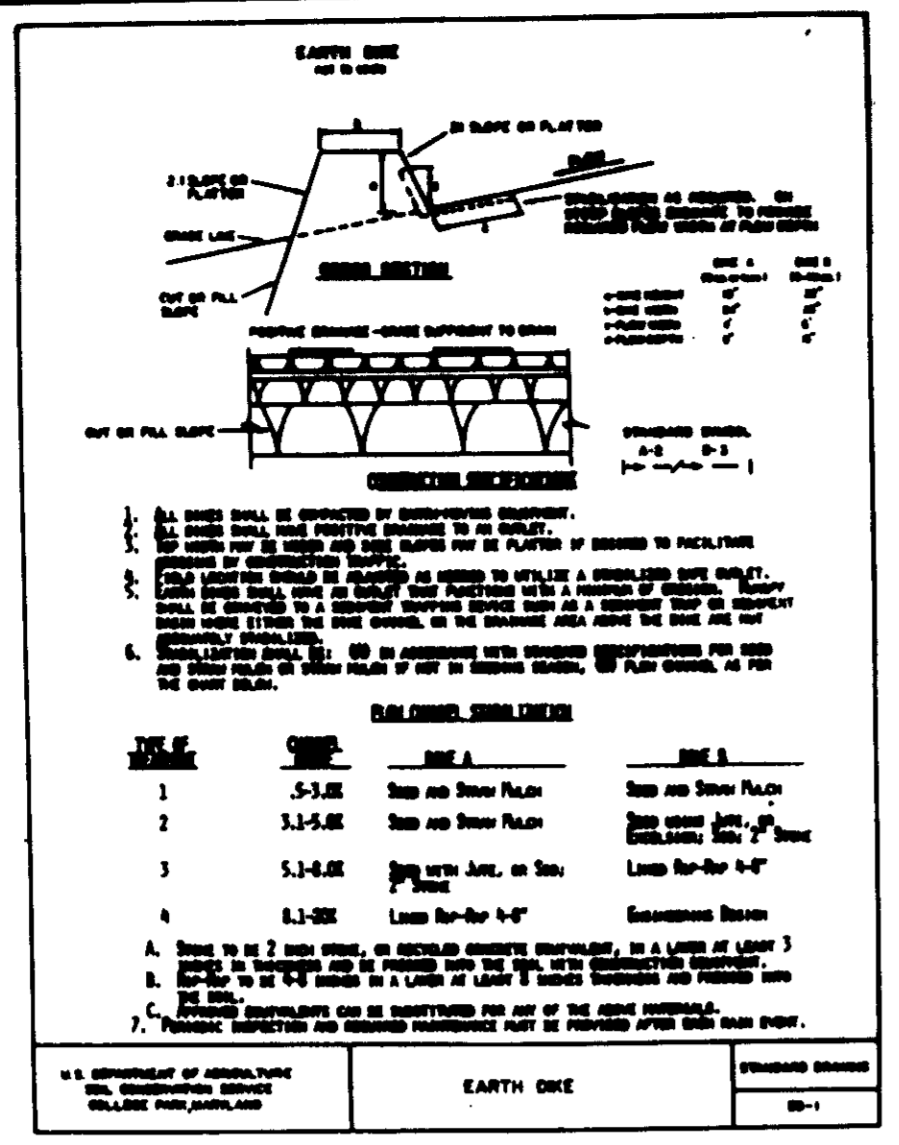
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR: *[Signature]* DATE: 6/15/95
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
 SIGNATURE OF ENGINEER: *[Signature]* DATE: 5/15/95
 NATURAL RESOURCES CONSERVATION SERVICE

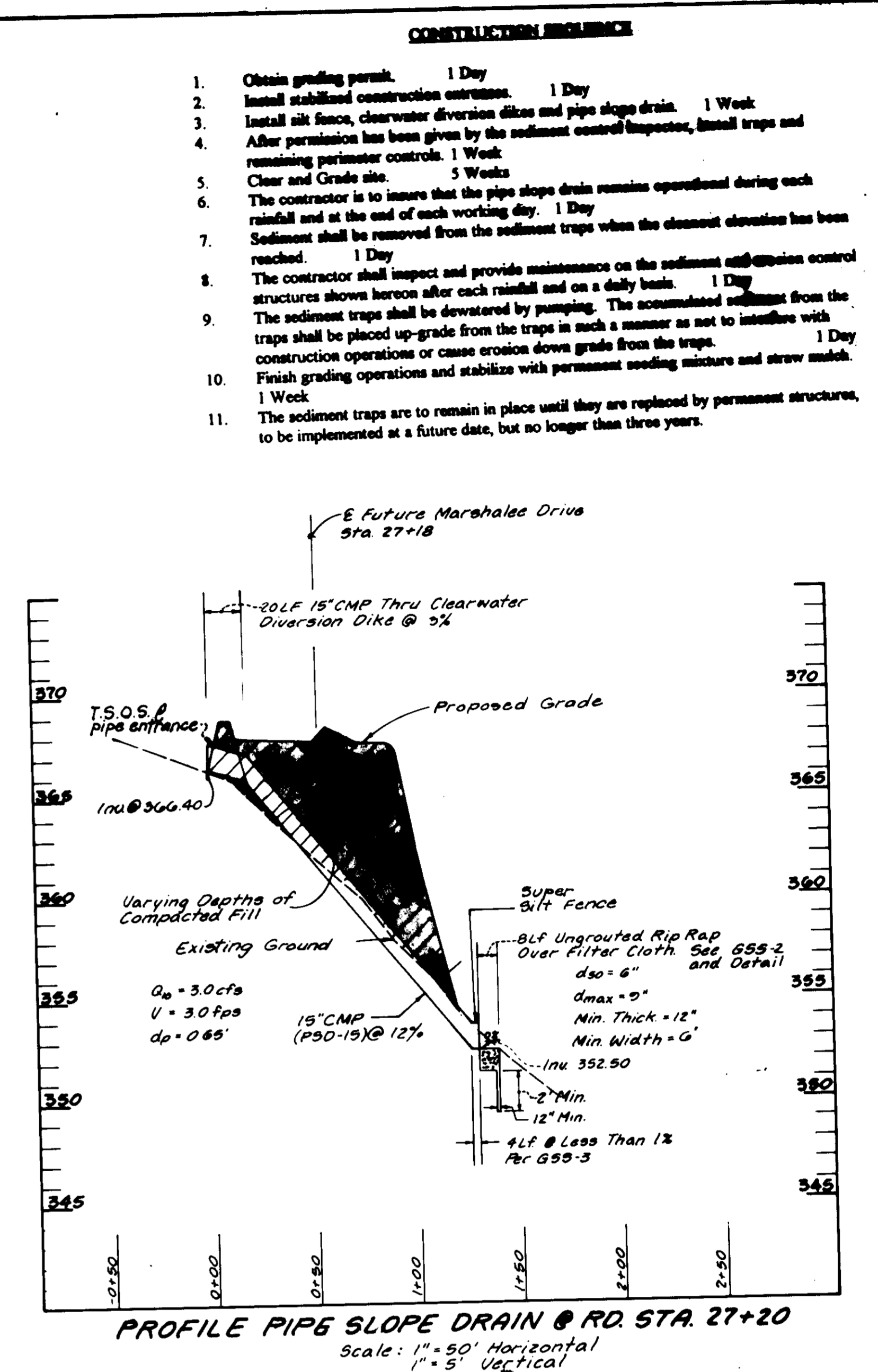
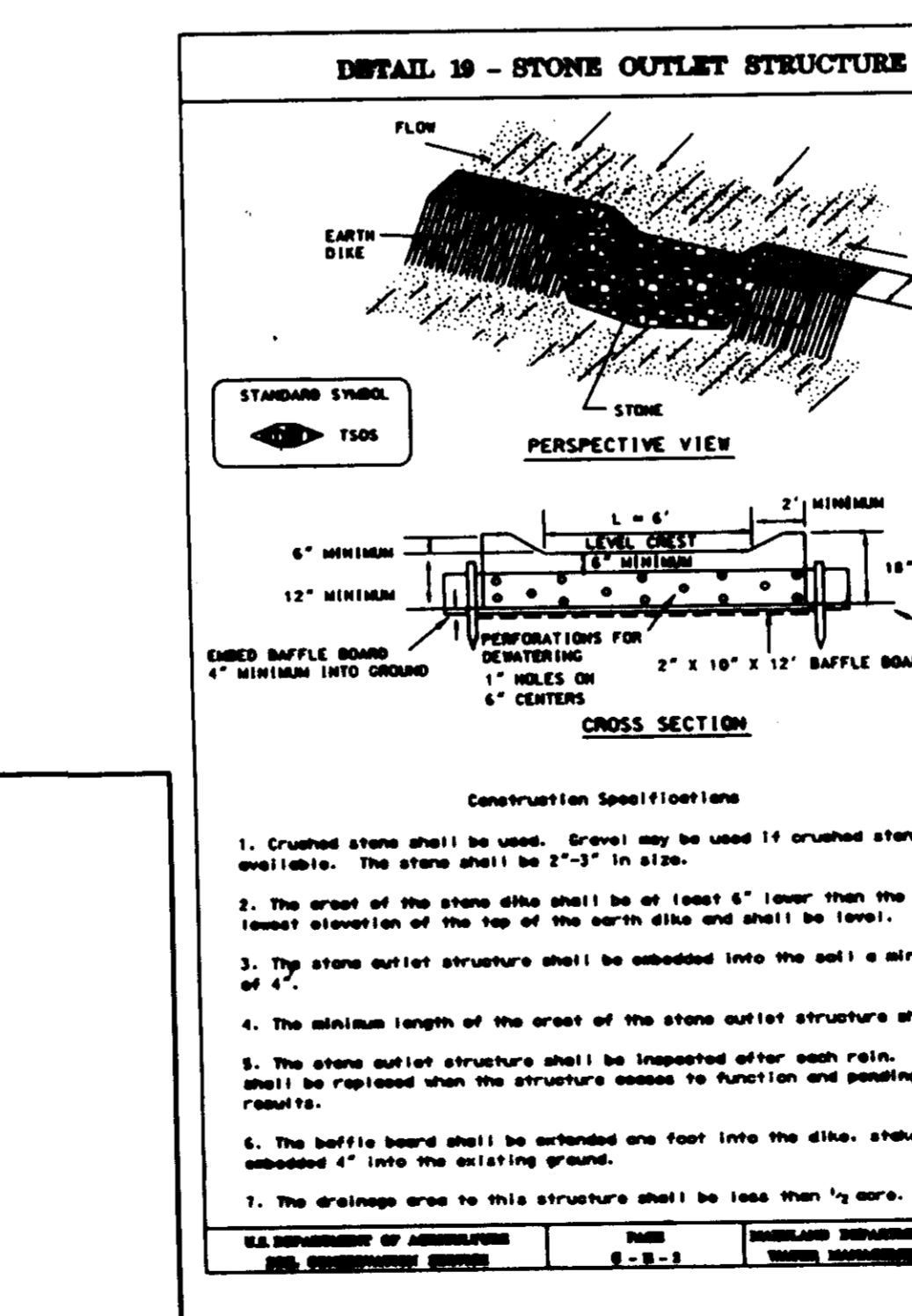
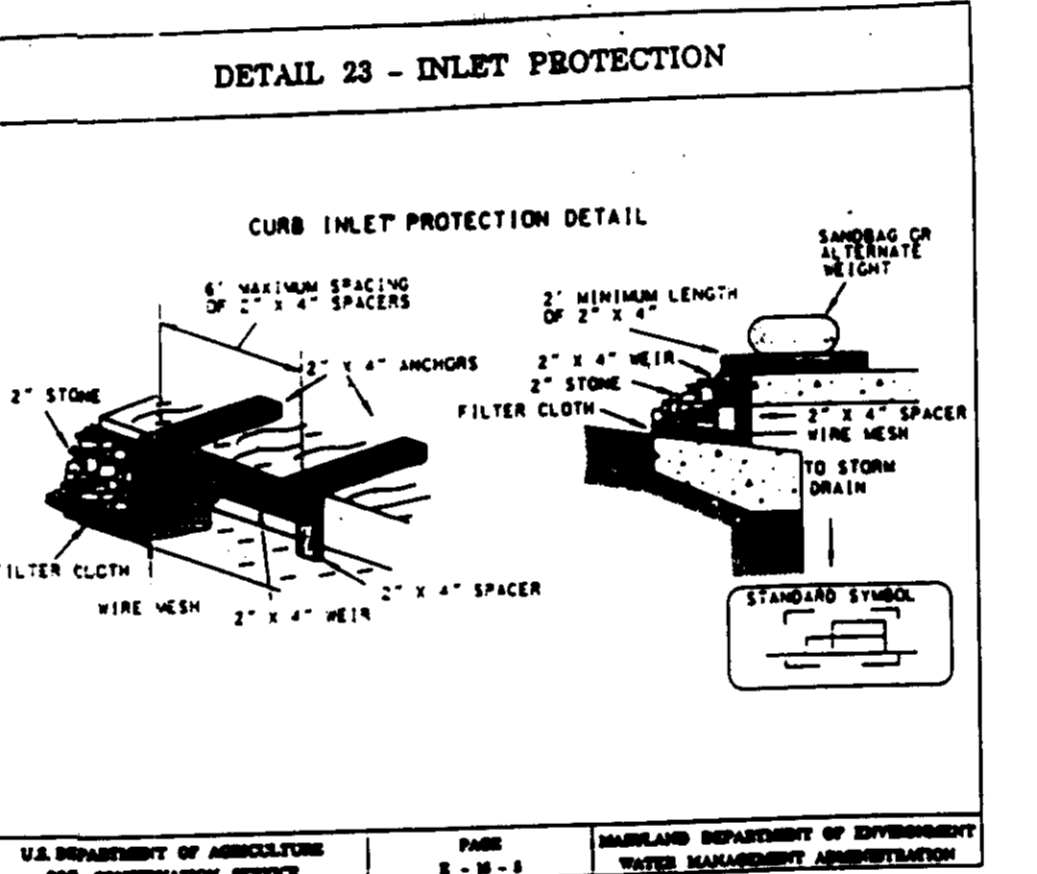
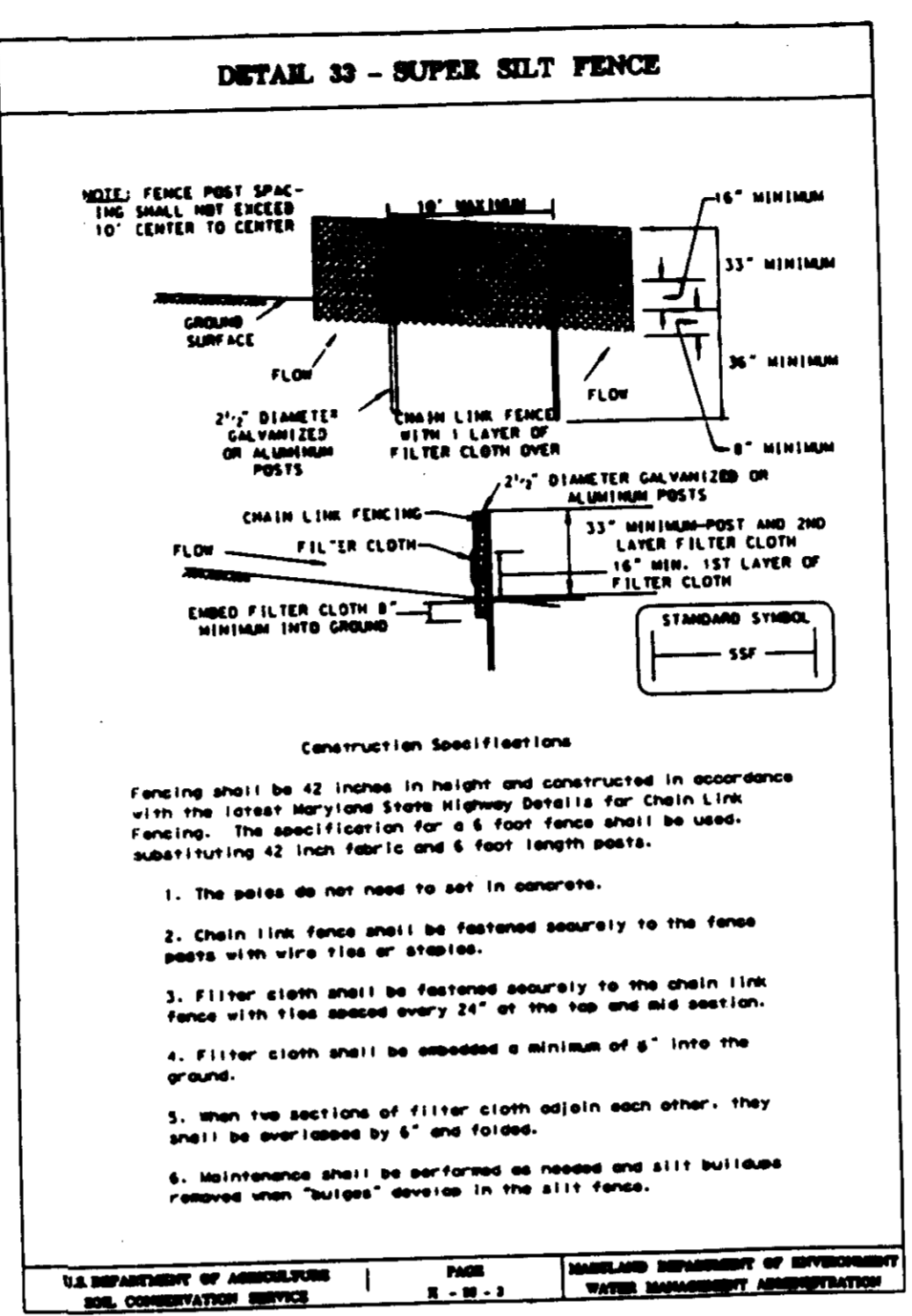
ENGINEER'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE SOLUTION TO AN EROSION PROBLEM AS BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 SIGNATURE OF ENGINEER: *[Signature]* DATE: 5/15/95

DEVELOPER'S CERTIFICATE
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT I HAVE A CERTIFICATE OF ATTENDANCE AT A CONFERENCE OF THE ENVIRONMENT APPROVED THROUGH PROGRAM FOR THE CONTROL OF SOIL EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERMITTED CHANGES TO THESE PLANS AS THEY ARE NECESSARY.
 SIGNATURE OF DEVELOPER: *[Signature]* DATE: 5/15/95



Sediment Trap Schedule

Trap No.	Area	Disturbance	Trap Type
1	Area 1	Disturbance 1	Trap Type 1
2	Area 2	Disturbance 2	Trap Type 2



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

Sediment and Erosion Control Details and Notes
 Centre 9500 Parcels P & Q
 Lyndwood Manor Lot 179
 1st Election District
 Howard County, Maryland

DESIGNED: T.D./E.S.
 DRAWN: W.J./S.D.
 CHECKED: B.D.B.
 DATE: 2/95

SCALE: AS SHOWN
 DRAWING: 6 of 20
 JOB NO.: 95-006.4
 FILE NO.:

OWNER: 100 INVESTMENT LIMITED PARTNERSHIP
 8835-P COLUMBIA 100 PARKWAY
 COLUMBIA, MARYLAND 21045

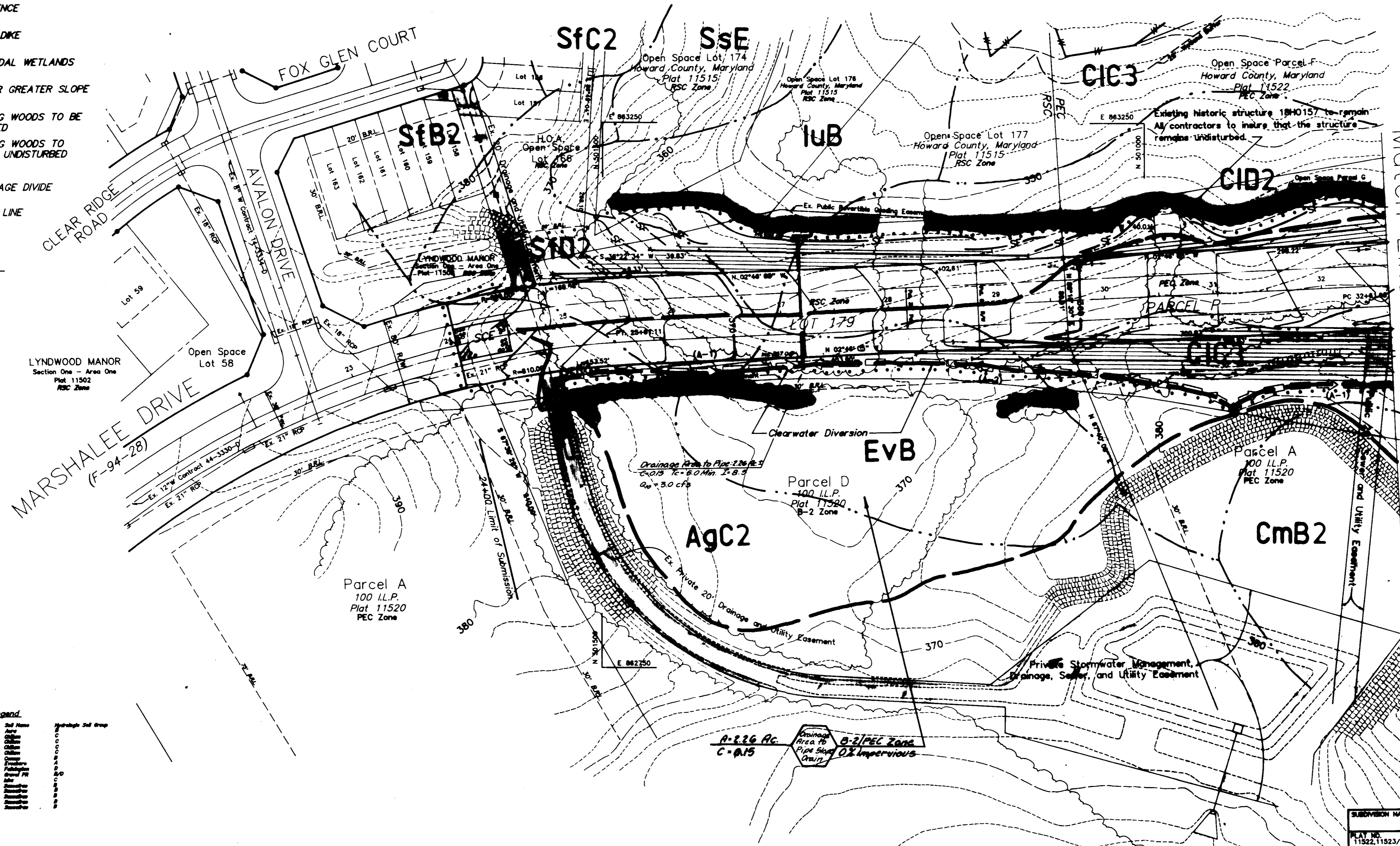
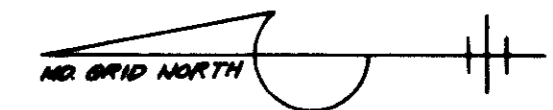
DEVELOPER: RANMAKER/WILLIAM L.L.C.
 5111 AVOCADO AVENUE
 ELLICOTT CITY, MARYLAND 21043

SDP-45-77

LEGEND

- EXISTING CONTOUR (2' INTERVAL)
- PROPOSED CONTOUR (2' INTERVAL)
- STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- SF— SILT FENCE
- EARTH DIKE
- W— NON-TIDAL WETLANDS
- 25% OR GREATER SLOPE
- EXISTING WOODS TO BE REMOVED
- EXISTING WOODS TO REMAIN UNDISTURBED
- DRAINAGE DIVIDE
- SOILS LINE

AREA SUBAREA ZONING
C FACTOR % IMP.



Match Line Sheet 8

Soils Legend

Soil Symbol	Soil Name	Drainage Class
	CLAY	1
	SAND	2
	CLAY	3
	SAND	4
	CLAY	5
	SAND	6
	CLAY	7
	SAND	8
	CLAY	9
	SAND	10
	CLAY	11
	SAND	12
	CLAY	13
	SAND	14
	CLAY	15
	SAND	16
	CLAY	17
	SAND	18
	CLAY	19
	SAND	20

SUBDIVISION NAME CENTRE 9500/ LYNDWOOD MANOR		SECTION/AREA 1/1	PARCEL NO. P, Q, 179
PLAT NO. 11522, 11523/ 11515	BLOCK NO. TYPE 10 PEC-2/ RSC	TAX MAP NO. 37	ELECTION DISTRICT 1
WATER CODE		SEWER CODE	

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 4/10/95
DIRECTOR DATE

[Signature] 4/10/95
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

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

[Signature] 4/10/95
DIRECTOR DATE

[Signature] 5/31/95
DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT DATE

ENGINEER'S CERTIFICATE

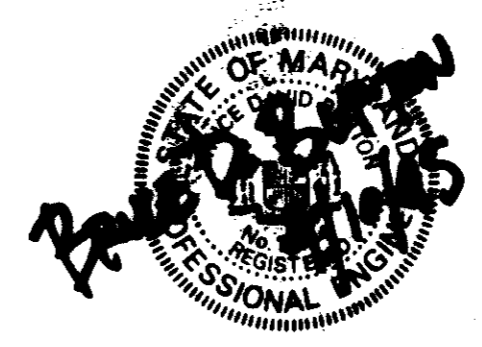
"I HEREBY CERTIFY THAT THESE EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THESE PARCELS AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

[Signature] 4/10/95
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 PERMITS, CONSTRUCTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

[Signature] 2/20/95
DATE

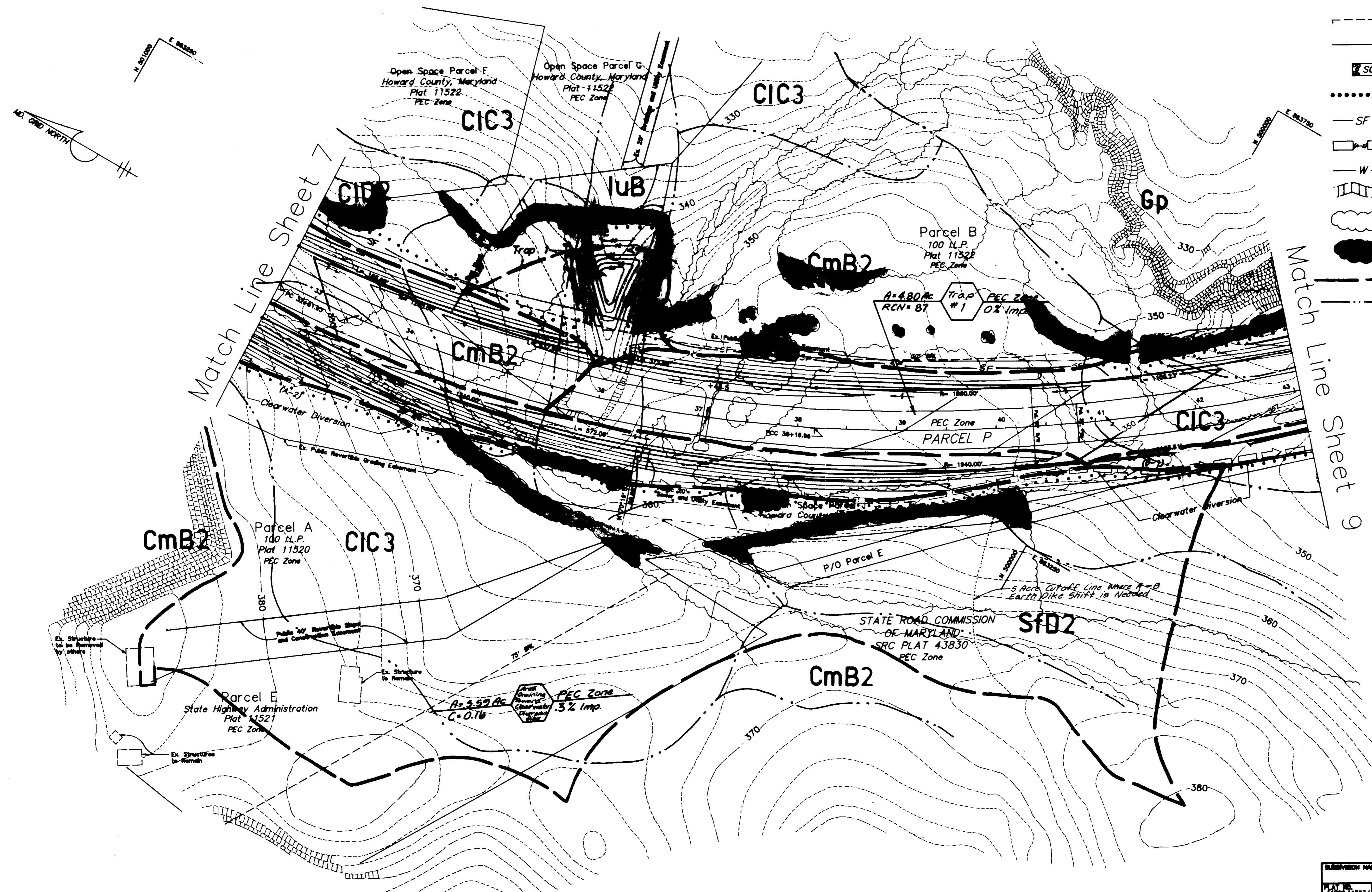


LDE, INC.
8835 Columbia 100 Parkway, Unit N, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-0681 (Fax)

DESIGNED T.D./E.S.	DRAINAGE AREA MAP 24+00 to 32+61.93 Centre 9500 Parcels P & Q Lyndwood Manor Lot 179 1st Election District Howard County, Maryland	SCALE 1"=50'
DRAWN W.J./S.D.		DRAWING 7 of 20
CHECKED B.D.B.		JOB NO. 95-006.4
DATE 2/95		FILE NO.
OWNER: 100 INVESTMENT LIMITED PARTNERSHIP 8835-P COLUMBIA 100 PARKWAY COLUMBIA, MARYLAND 21046		DEVELOPER: HARRINGTON/ELLISH L.L.C. 5111 ANNOVA AVENUE ELLSBURY CITY, MARYLAND 21043

LEGEND

- EXISTING CONTOUR (2' INTERVAL)
- PROPOSED CONTOUR (2' INTERVAL)
- [Symbol] SCE STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- SF- SILT FENCE
- [Symbol] EARTH DIKE
- W- NON-TIDAL WETLANDS
- [Symbol] 25% OR GREATER SLOPE
- [Symbol] EXISTING WOODS TO BE REMOVED
- [Symbol] EXISTING WOODS TO REMAIN UNDISTURBED
- DRAINAGE DIVIDE
- SOILS LINE



Match Line Sheet 7

Match Line Sheet 9

SUBDIVISION NAME	CENTRE 9500/ LYNDWOOD MANOR	SECTION/AREA	PARCELS P & Q
PLAT NO.	11822, 11823, 11819	BLOCK NO.	10
PLAT DATE	11/82	TAX MAP NO.	37
WATER CODE		SECTION DISTRICT	1
		OWNER TRACT	0001.02

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 [Signature] 4/10/95
 [Signature] 4/10/95
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

NATURAL RESOURCES CONSERVATION SERVICE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 4/10/95
 [Signature] 5/31/95
 DIRECTOR

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT

ENGINEER'S CERTIFICATE
 I HEREBY CERTIFY THAT THE PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE. THE PLAN WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 [Signature] 4/10/95
 SIGNATURE OF ENGINEER

DEVELOPER'S CERTIFICATE
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY NECESSARY PERMITS, LICENSES, OR THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT AND GENERAL SERVICES TRAINING PROGRAM FOR THE CONSTRUCTION OF EROSION CONTROL MEASURES. I ALSO AUTHORIZE PERSONS OBTAINING INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE NECESSARY.

DEVELOPER'S CERTIFICATE
 [Signature] 2/20/95
 SIGNATURE OF DEVELOPER

Note: For Hydraulic Soil Groupings of Soil Types, Refer to Sheet 7.



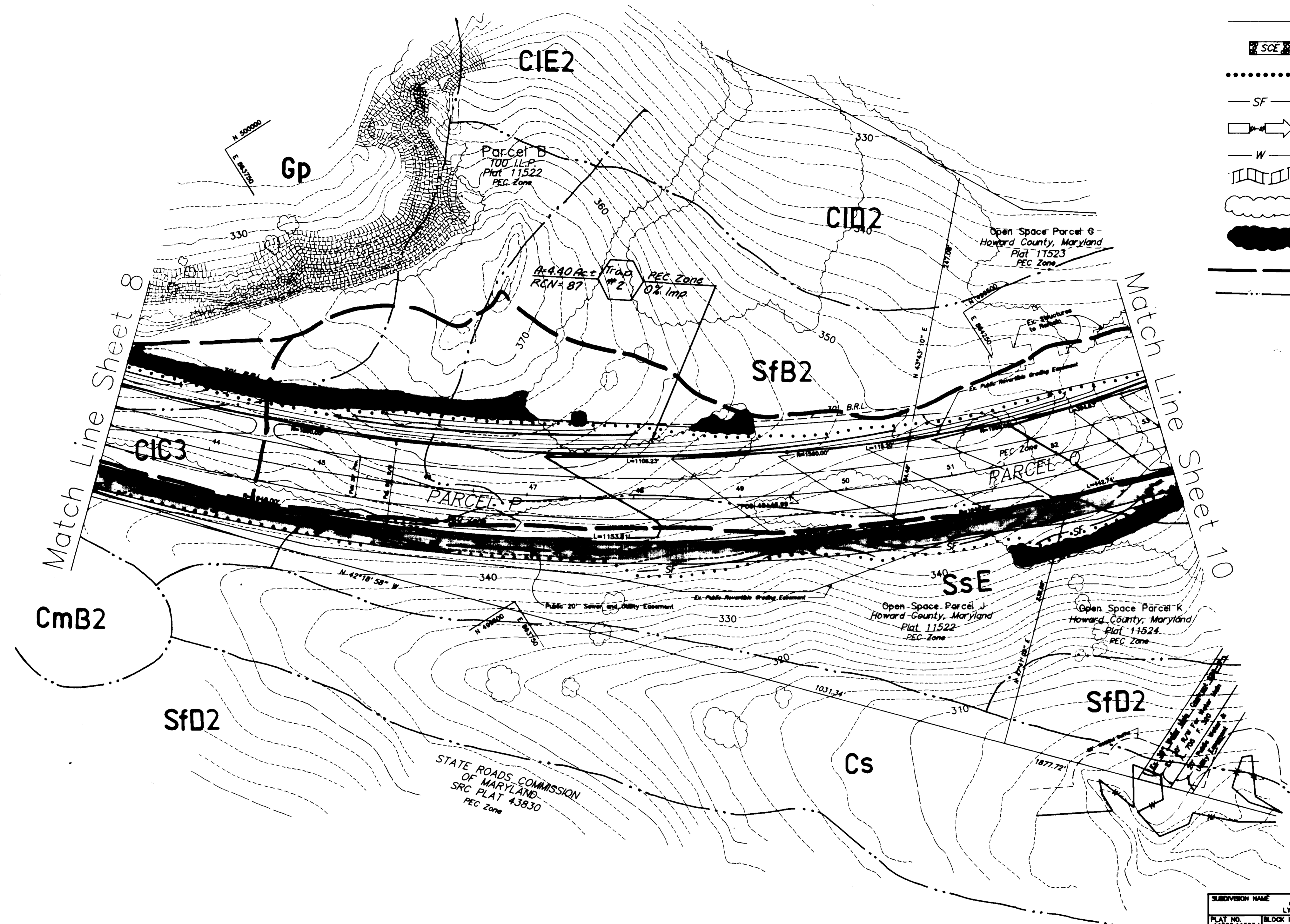
LDE, INC.
 8835 Columbia 100 Parkway, Unit N, Columbia, MD. 21045
 (410) 715-1070 (301) 596-3424 (410) 715-0681 (Fax)

DESIGNED	T.D./E.S.	DRAINAGE AREA MAP	32+61.93 to 43+10	SCALE	1"=50'
DRAWN	W.J./S.D.	Centre 9500 Parcels P & Q	Lyndwood Manor Lot 179	DRAWING	8 of 20
CHECKED	B.D.B.	1st Election District	Howard County, Maryland	JOB NO.	95-006.4
DATE	2/95	OWNER:	100 INVESTMENT LIMITED PARTNERSHIP 8511 AVONDA PARKWAY COLUMBIA, MARYLAND 21045	DEVELOPER:	RAMBER, WELLMAN LLC 8111 AVONDA PARKWAY BLIHOYT CITY, MARYLAND 21043

FILE NO. SDP-95-77

LEGEND

- EXISTING CONTOUR (2' INTERVAL)
- PROPOSED CONTOUR (2' INTERVAL)
- SCE STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- SF — SILT FENCE
- EARTH DIKE
- W — NON-TIDAL WETLANDS
- 25% OR GREATER SLOPE
- EXISTING WOODS TO BE REMOVED
- EXISTING WOODS TO REMAIN UNDISTURBED
- DRAINAGE DIVIDE
- SOILS LINE



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR: *[Signature]* DATE: 4/10/15
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH: *[Signature]* DATE: 4/10/15

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
 NATURAL RESOURCES CONSERVATION SERVICE DATE: _____

ENGINEER'S CERTIFICATE
 "I HEREBY CERTIFY THAT THE PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE 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: *[Signature]* DATE: 4/10/15

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 4/10/15
 CHIEF, BUREAU OF PUBLIC WORKS: *[Signature]* DATE: 5/31/15

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SOIL CONSERVATION DISTRICT 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 AS A REQUIREMENT OF THE HOWARD SOIL CONSERVATION DISTRICT. I ALSO AUTHORIZE PERMITS TO BE OBTAINED FROM THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE NECESSARY."
 SIGNATURE OF DEVELOPER: *[Signature]* DATE: 2/20/15

Note: For Hydraulic Soil Grouping of Soil Types, Refer to Sheet 7.

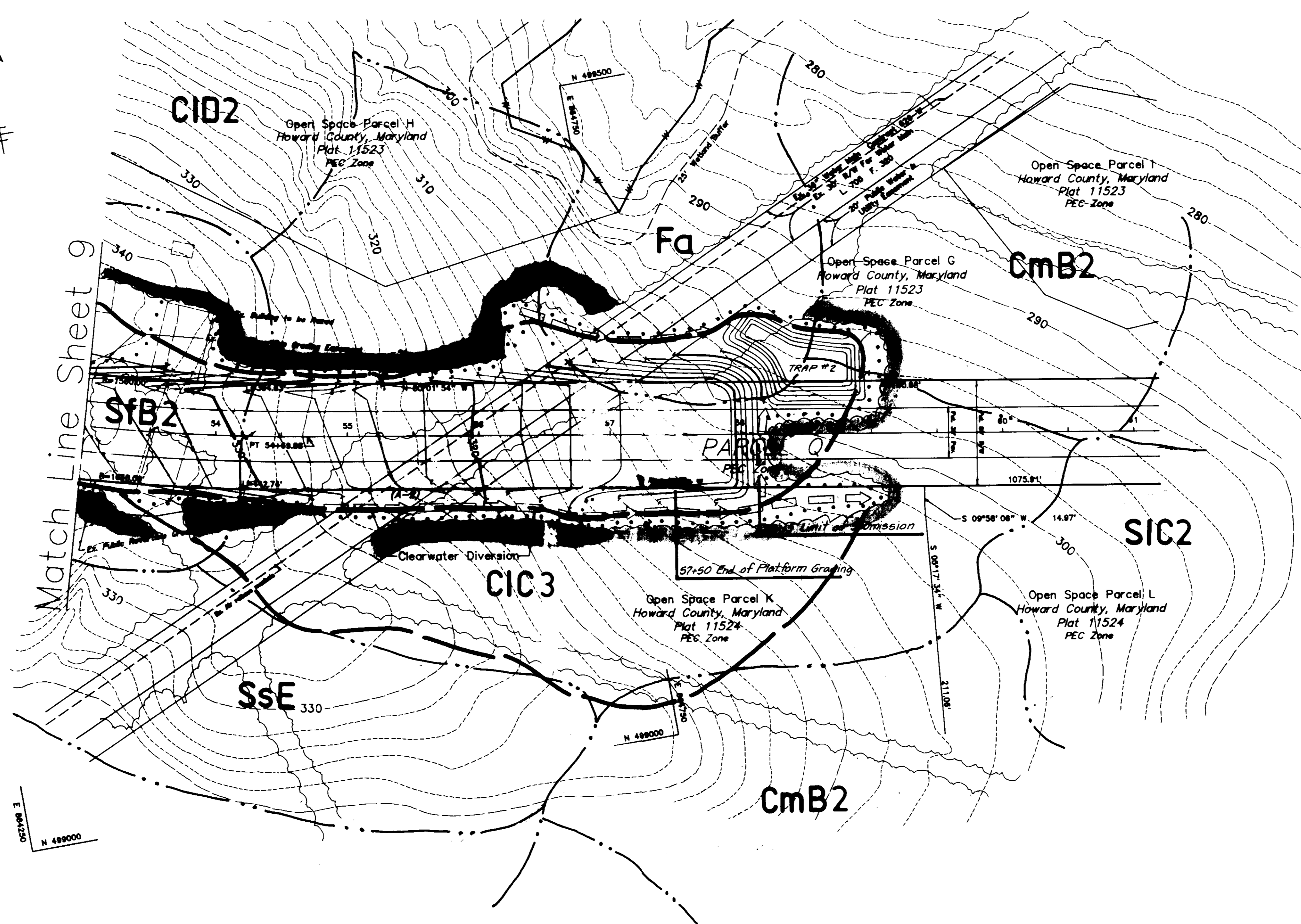
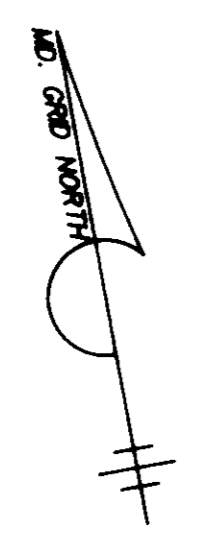


SUBDIVISION NAME	CENTRE 9500/ LYNDWOOD MANOR	SECTION/AREA	1/1	PARCEL NO. P & Q/ 179
PLAT NO.	BLOCK NO.	ZONE	TAX MAP NO.	ELECTION DISTRICT
11522, 11523/ 11518	10	REC-2/ RES	37	1
WATER CODE	SEWER CODE			
	8001.02			

LDE, INC. 8835 Columbia 100 Parkway, Unit N, Columbia, MD. 21045 (410) 715-1070 (301) 596-3424 (410) 715-0681 (Fax)		
DESIGNED	DRAINAGE AREA MAP	SCALE
T.D./E.S.	43+10 to 53+00	1"=50'
DRAWN	Centre 9500 Parcels P & Q	DRAWING
W.J./S.D.	Lyndwood Manor Lot 179	9 of 20
CHECKED	1st Election District	JOB NO.
B.D.B.	Howard County, Maryland	95-006.4
DATE	OWNER: 100 INVESTMENT LIMITED PARTNERSHIP 8835-P COLUMBIA 100 PARKWAY COLUMBIA, MARYLAND 21045	DEVELOPER: RAINBOW HILLMAN LLC 3111 AVOCADO AVENUE ELLICOTT CITY, MARYLAND 21043
2/95		FILE NO.

LEGEND

- EXISTING CONTOUR (2' INTERVAL)
- PROPOSED CONTOUR (2' INTERVAL)
- SCE STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- SF — SILT FENCE
- EARTH DIKE
- W — NON-TIDAL WETLANDS
- 25% OR GREATER SLOPE
- EXISTING WOODS TO BE REMOVED
- EXISTING WOODS TO REMAIN UNDISTURBED
- DRAINAGE DIVIDE
- SOILS LINE



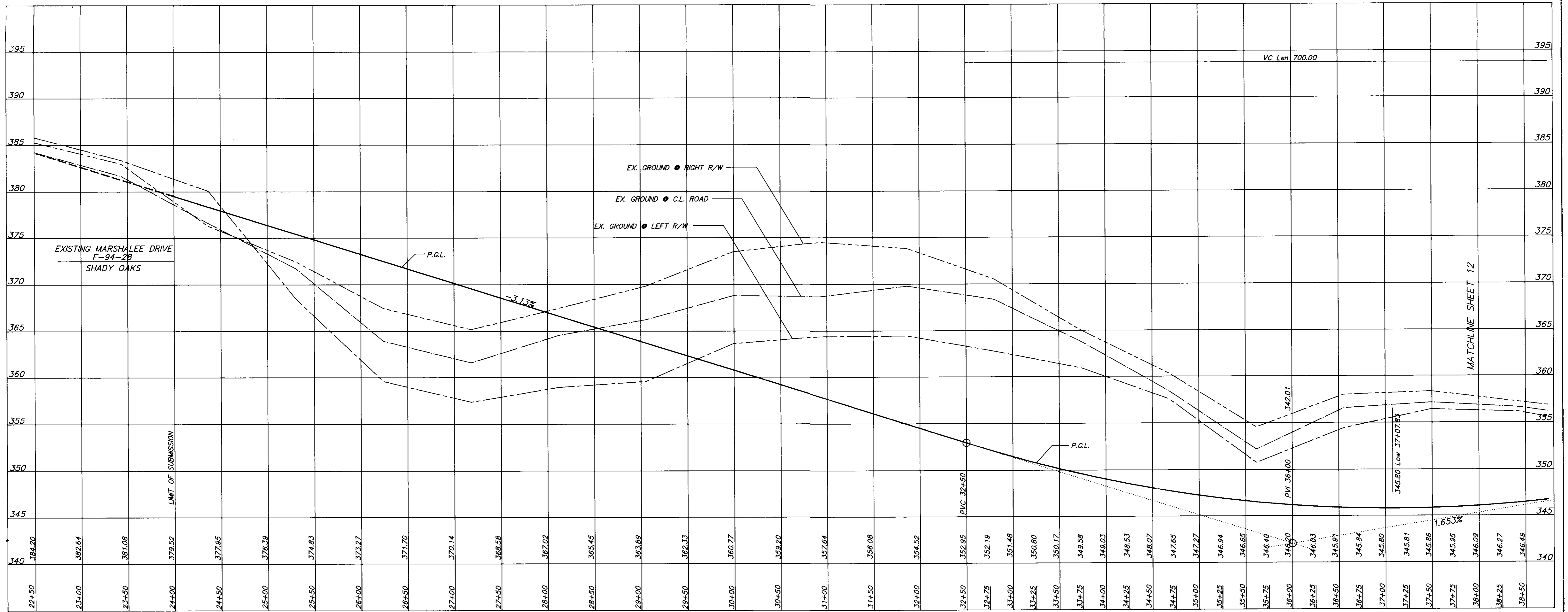
Note: For Hydraulic Soil Groupings of Soil Types, Refer to Sheet 7.

SUBDIVISION NAME CENTRE 9500/ LYNDWOOD MANOR		SECTION/AREA 1/1	PARCEL NO. P 8, Q/ 179
PLAN NO. 11522, 11523/ 11515	BLOCK NO. 10	TAX MAP NO. 37	ELECTION DISTRICT 1
WATER CODE		SEWER CODE	

LDE, INC.		
8835 Columbia 100 Parkway, Unit N, Columbia, MD. 21045 (410) 715-1070 (301) 596-3424 (410) 715-0681 (Fax)		
DESIGNED T.D./E.S.	DRAINAGE AREA MAP 53+00 to 57+50 Centre 9500 Parcels P & Q Lyndwood Manor Lot 179 1st Election District Howard County, Maryland	SCALE 1"=50'
DRAWN W.J./S.D.		DRAWING 10 of 20
CHECKED B.D.B.		JOB NO. 95-006.4
DATE 2/95	OWNER: 100 INVESTMENT LIMITED PARTNERSHIP 8835-P COLUMBIA 100 PARKWAY COLUMBIA, MARYLAND 21045	DEVELOPER: BARRINGER/WILLIAMS L.L.C. 5111 ANCOA AVENUE ELLCOTT CITY, MARYLAND 21043
		FILE NO.



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING DATE: 4/5/95	THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS. NATURAL RESOURCES CONSERVATION SERVICE DATE:	ENGINEER'S CERTIFICATE I HEREBY CERTIFY THAT THIS DRAINAGE AREA MAP AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE 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: 4/10/95
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DIRECTOR DATE: 4/1/95	THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. HOWARD SOIL CONSERVATION DISTRICT DATE:	DEVELOPER'S CERTIFICATE I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY NECESSARY PERMITS OBTAINED IN THE CONSTRUCTION PROJECT WILL HAVE A PERMITS OF ATTENDANCE AT A REPRESENTATIVE OF THE HOWARD SOIL CONSERVATION DISTRICT FOR THE CONTROL OF EROSION AND SEDIMENT CONTROL MEASURES. I ALSO AUTHORIZE PUBLIC ENGINEERS, INSPECTORS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DATE: 4/10/95



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR: *[Signature]* 6/5/95
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH: *[Signature]* 6/5/95

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
 NATURAL RESOURCES CONSERVATION SERVICE: _____ DATE _____

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* 6/1/95
 CHIEF, BUREAU OF ENGINEERING: *[Signature]* 5/31/95

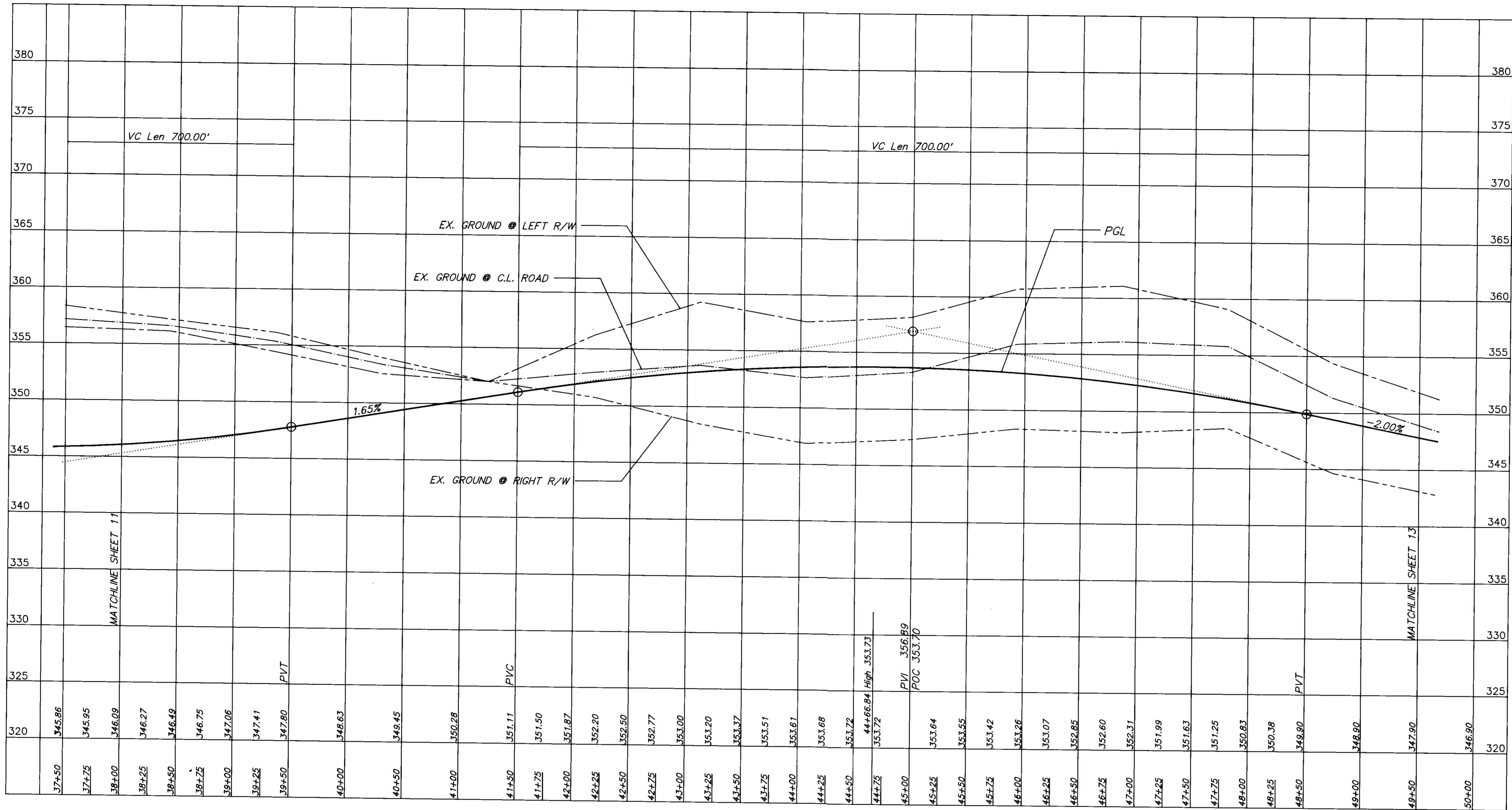
ENGINEER'S CERTIFICATE
 "I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."
 SIGNATURE OF ENGINEER: *[Signature]* 4/10/95

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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEMAND NECESSARY."
 SIGNATURE OF DEVELOPER: *[Signature]* 4/10/95

SUBDIVISION NAME CENTRE 9500/ LYNDWOOD MANOR		SECTION/AREA 1/1	PARCEL NO. P & Q/ 179
PLAT NO. 11522, 11523/ 11515	BLOCK NO. 10	TAX MAP NO. PECB-2/ RSC	ELECTION DISTRICT 37
WATER CODE		SEWER CODE	

LDE, INC.			
8835 Columbia 100 Parkway, Unit N, Columbia, MD. 21045 (410) 715-1070 (301) 596-3424 (410) 715-0681 (Fax)			
DESIGNED D.P.W.	PROFILE 24+00 to 38+00		SCALE 1"=50' H 1"=5' V
DRAWN L.D.E.	Centre 9500 Parcels P & Q Lyndwood Manor Lot 179		DRAWING 11 of 20
CHECKED B.D.B.	1st Election District Howard County, Maryland		JOB NO. 95-006.4
DATE 2/95	OWNER: 100 INVESTMENT LIMITED PARTNERSHIP 8835-P COLUMBIA 100 PARKWAY COLUMBIA, MARYLAND 21045	DEVELOPER: RAMMAKER/KILLIAN L.L.C. 5111 AVOCA AVENUE ELLICOTT CITY, MARYLAND 21043	FILE NO.

[Handwritten Signature]
 4/10/95



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR: *[Signature]* 4/13/95
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 DIRECTOR: *[Signature]* 5/31/95
 CHIEF, BUREAU OF ENGINEERING

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

NATURAL RESOURCES CONSERVATION SERVICE _____ DATE _____

HOWARD SOIL CONSERVATION DISTRICT _____ DATE _____

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: *Bruce D. Burton* 4/10/95

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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."
 SIGNATURE OF DEVELOPER: _____ DATE: _____

SUBDIVISION NAME CENTRE 9500/ LYNDWOOD MANOR		SECTION/AREA 1/1	PARCEL NO. P & Q/ 179
PLAT NO. 11522, 11523/ 11515	BLOCK NO. 10	ZONE PECB-2/ RSC	TAX MAP NO. 37
ELECTION DISTRICT 1		CENSUS TRACT 6001.02	
WATER CODE		SEWER CODE	

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

DESIGNED: D.P.W.
 DRAWN: L.D.E.
 CHECKED: B.D.B.
 DATE: 2/95

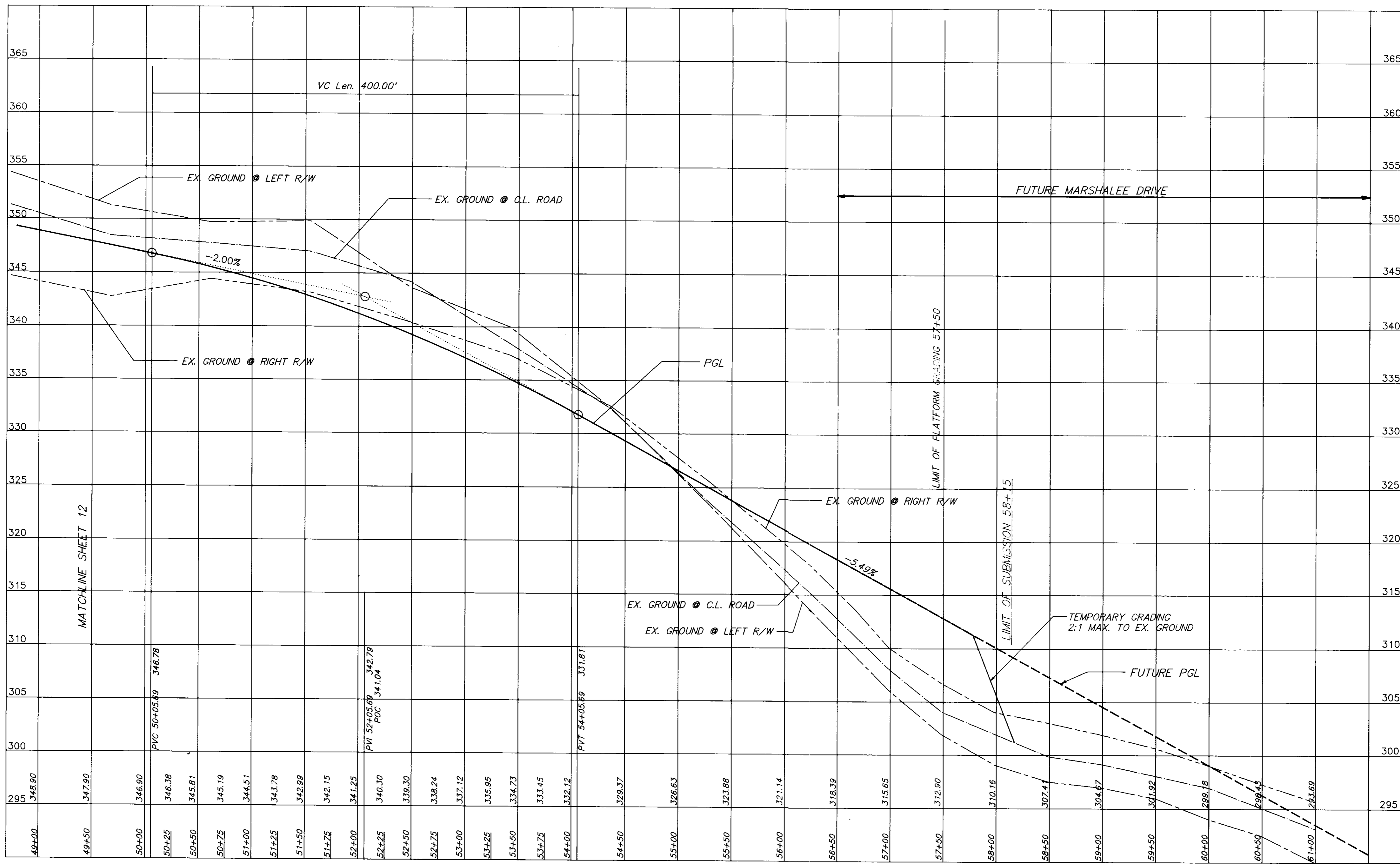
PROFILE
 38+00 to 49+50
 Centre 9500 Parcels P & Q
 Lyndwood Manor Lot 179
 1st Election District
 Howard County, Maryland

OWNER: 100 INVESTMENT LIMITED PARTNERSHIP
 8835-P COLUMBIA 100 PARKWAY
 COLUMBIA, MARYLAND 21045

DEVELOPER: RANMAKER/KILLIAN L.L.C.
 5111 AVODCA AVENUE
 ELLICOTT CITY, MARYLAND 21043

SCALE: 1"=50' H.
 1"=5' V.
 DRAWING: 12 of 20
 JOB NO.: 95-006.4
 FILE NO.:

Bruce D. Burton
 4/10/95



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 [Signature] 4/10/95
 DIRECTOR DATE
 [Signature] 4/10/95
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
 [Signature] DATE
 NATURAL RESOURCES CONSERVATION SERVICE DATE
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 4/10/95
 DIRECTOR DATE
 [Signature] 5/31/95
 CHIEF, BUREAU OF ENGINEERING DATE
 HOWARD SOIL CONSERVATION DISTRICT DATE

ENGINEER'S CERTIFICATE
 "I HEREBY CERTIFY THAT THE 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] 4/10/95
 SIGNATURE OF ENGINEER DATE

DEVELOPER'S CERTIFICATE
 "I HEREBY 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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."
 [Signature] DATE
 SIGNATURE OF DEVELOPER DATE

SUBDIVISION NAME		CENTRE 9500/ LYNWOOD MANOR	SECTION/AREA	PARCEL/NO.
PLAT NO.	BLOCK NO.	ZONE	TAX MAP NO.	ELECTION DISTRICT
11522, 11523/ 11515	10	PECB-2/ RSC	37	1
WATER CODE			SEWER CODE	
				CENSUS TRACT
				6001.02

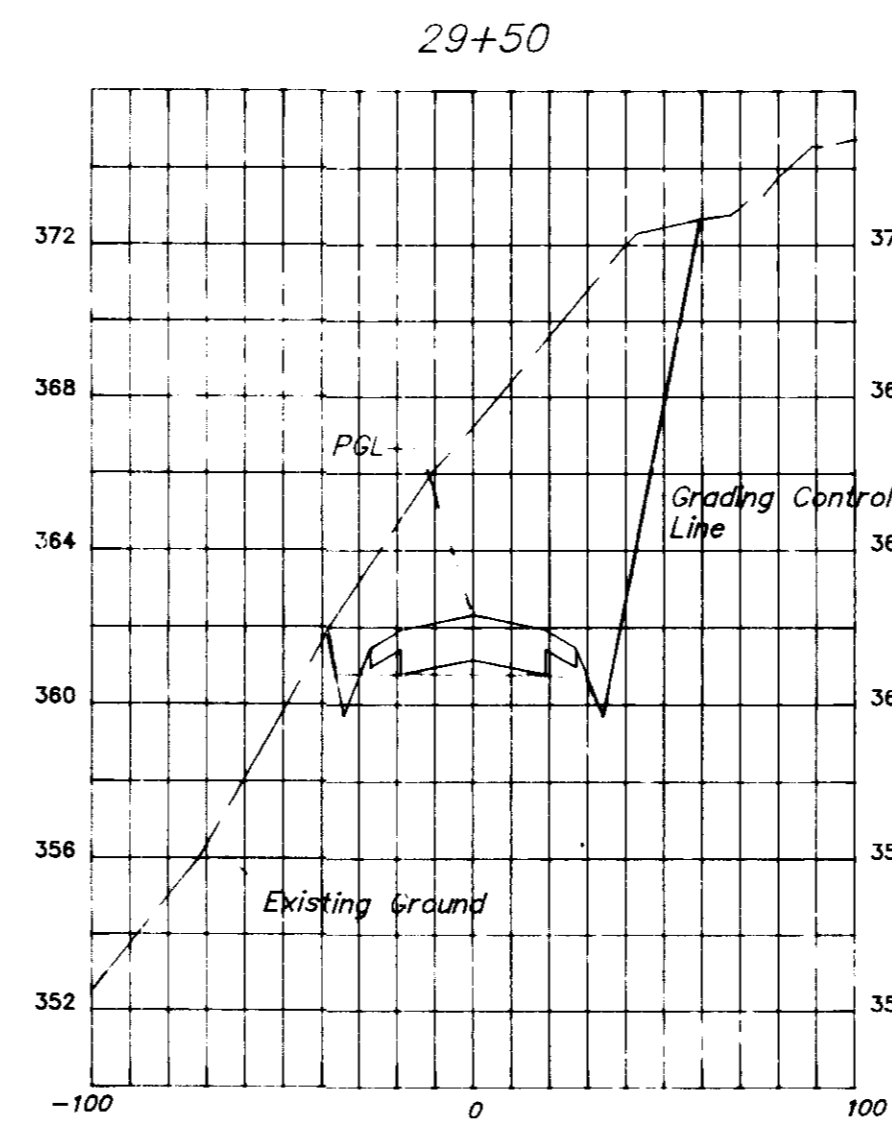
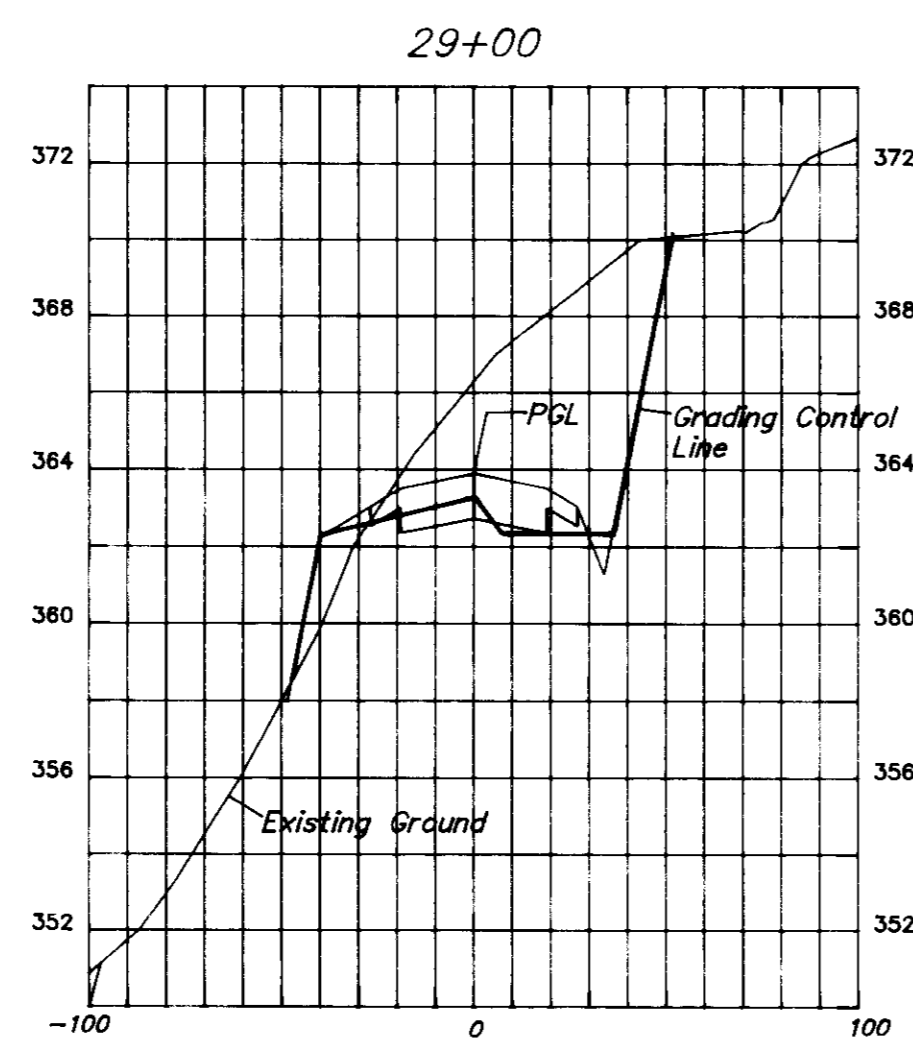
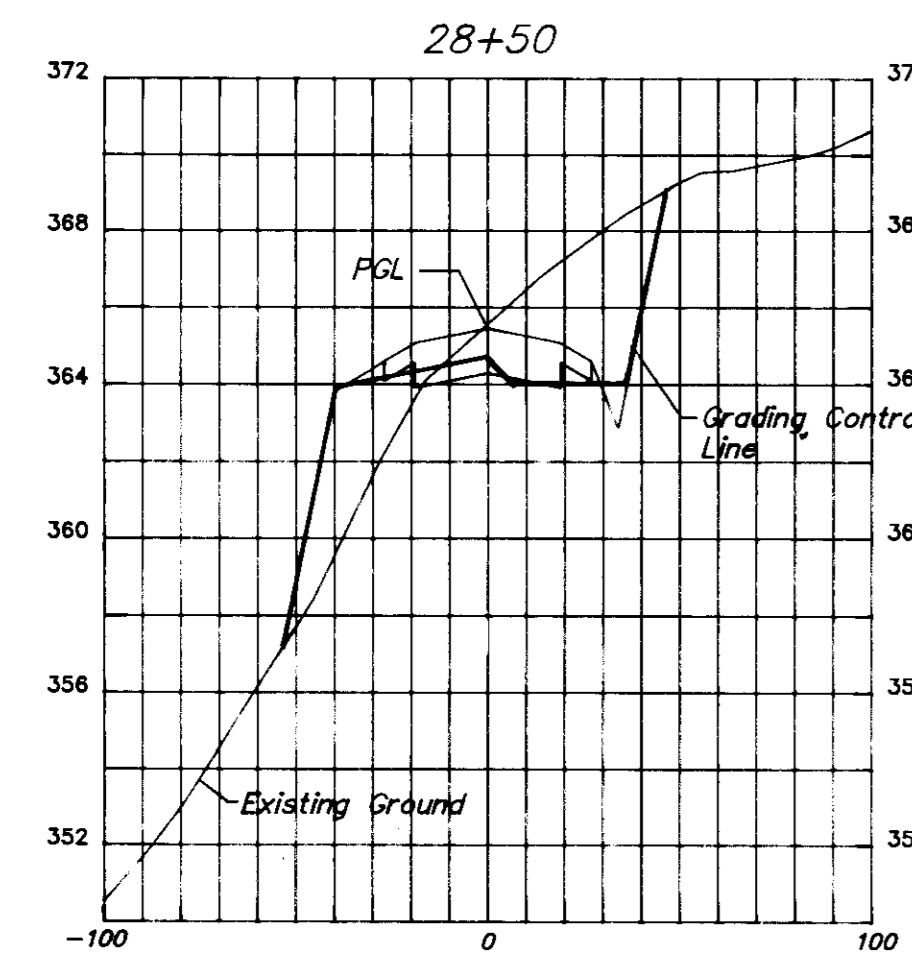
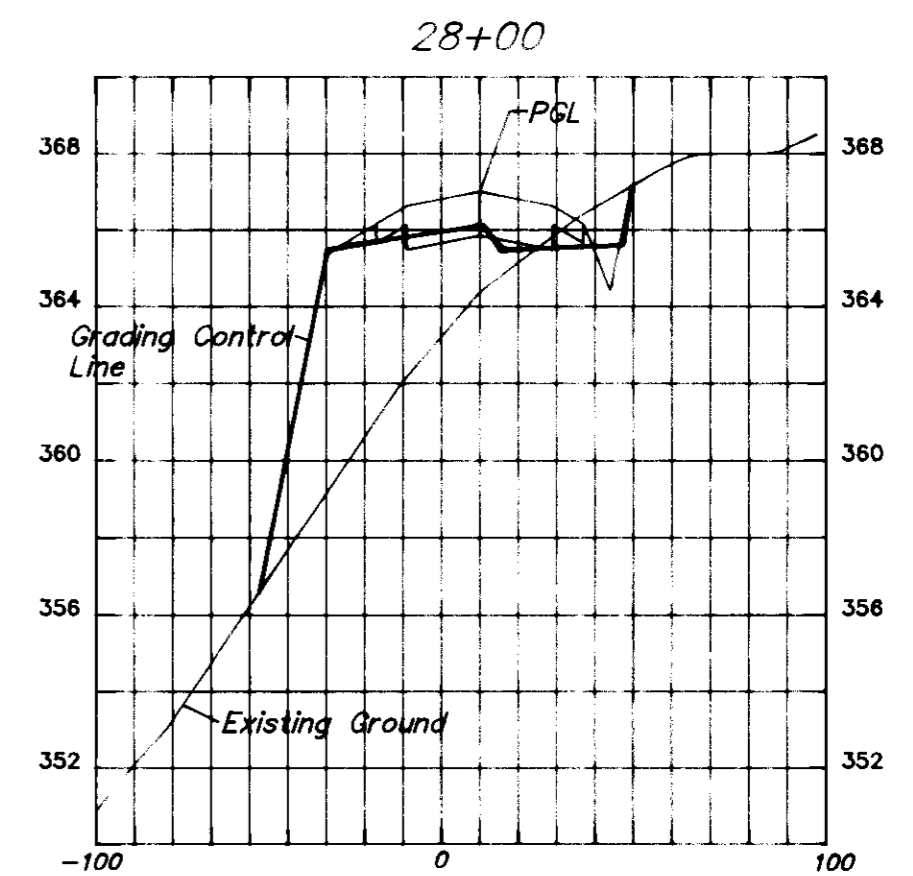
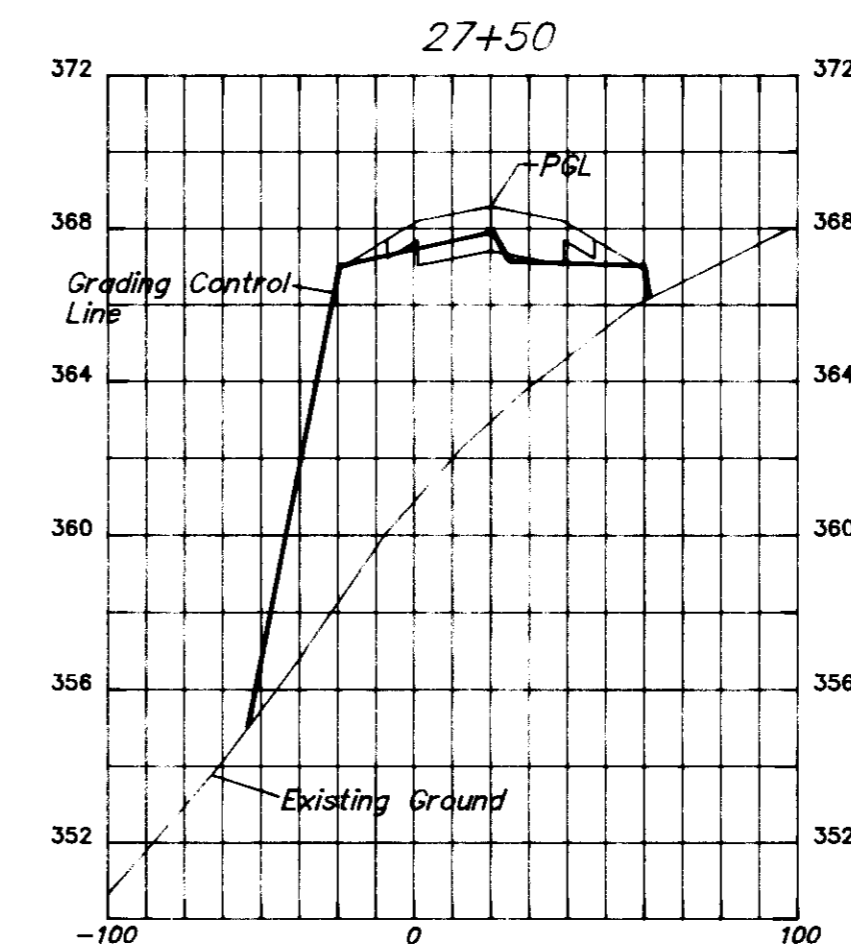
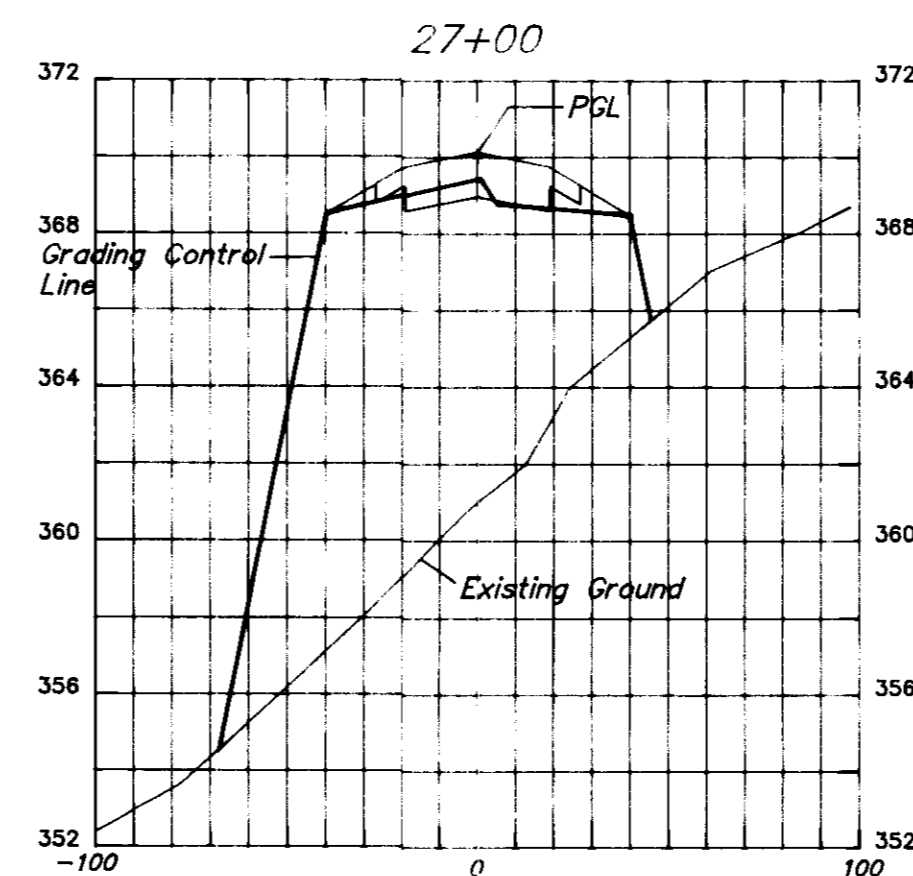
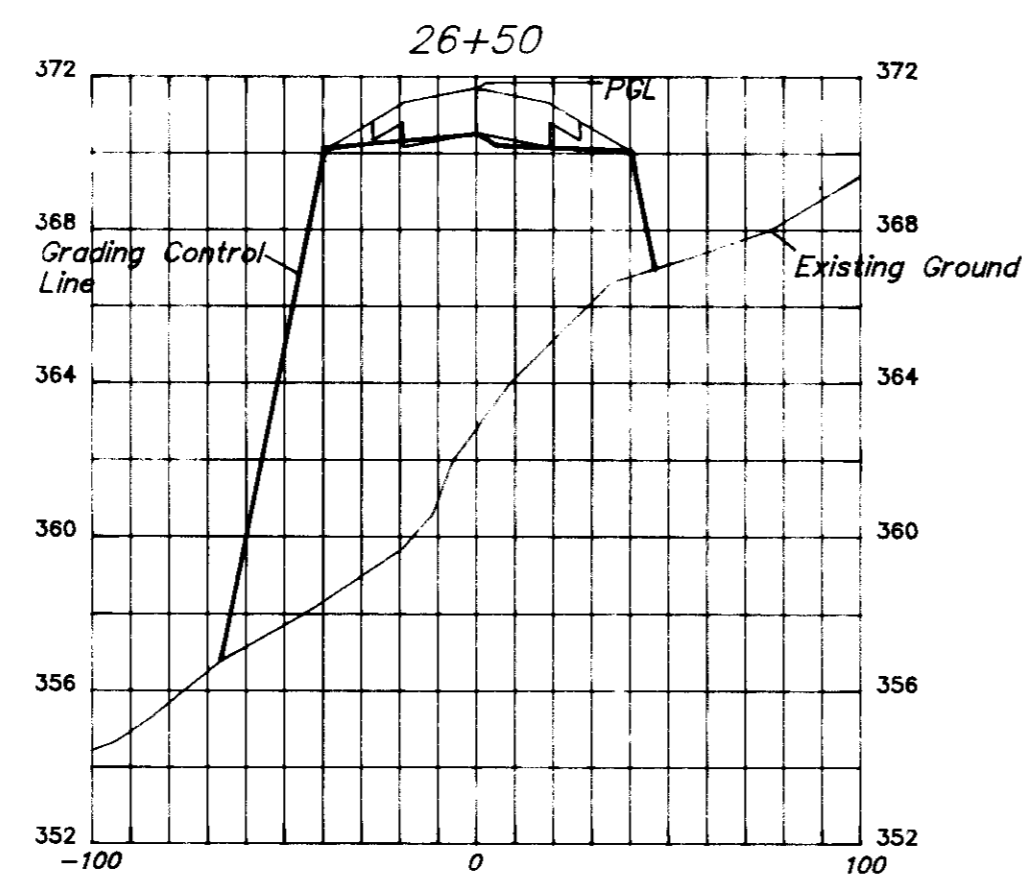
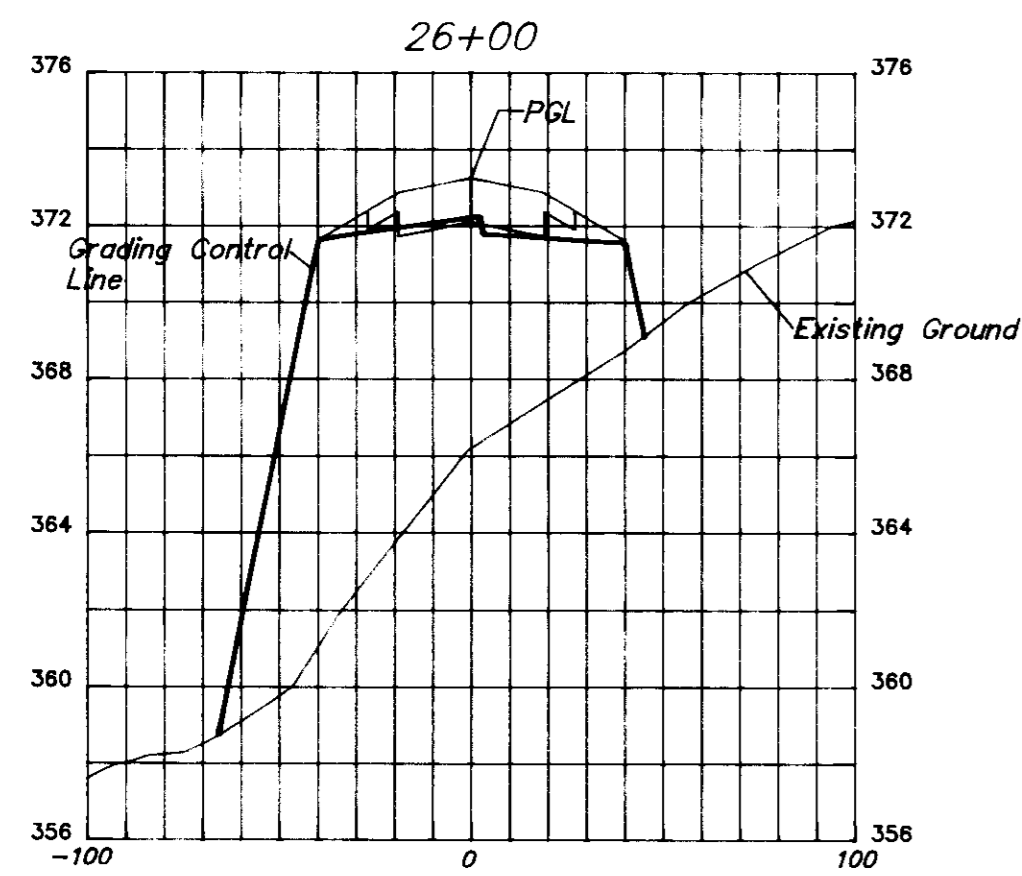
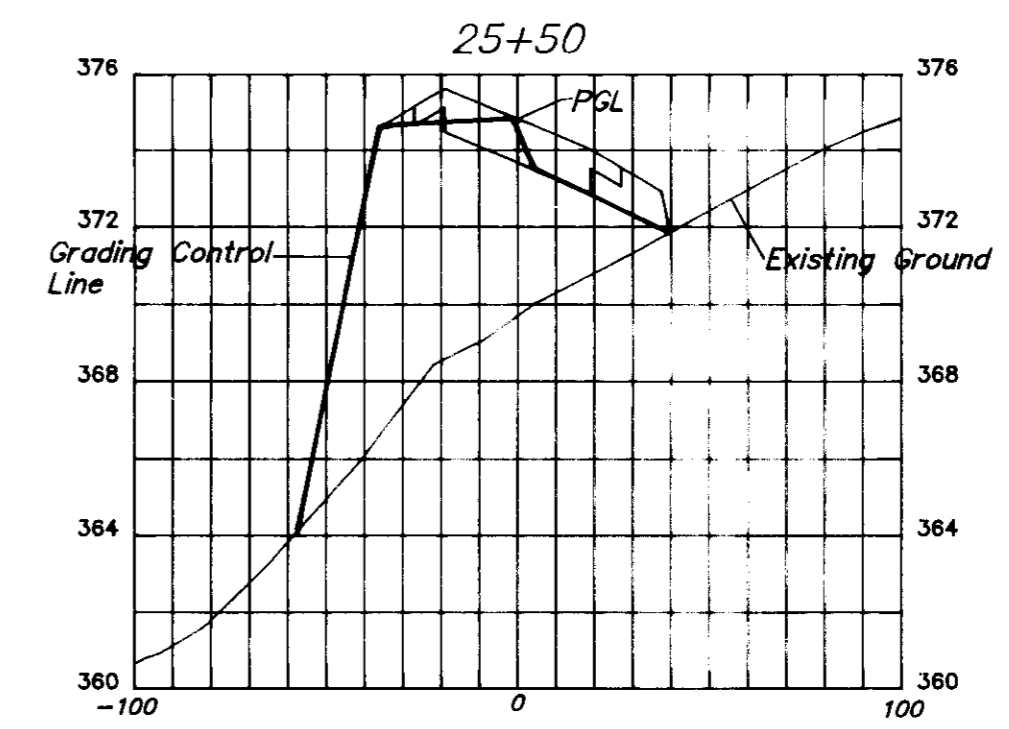
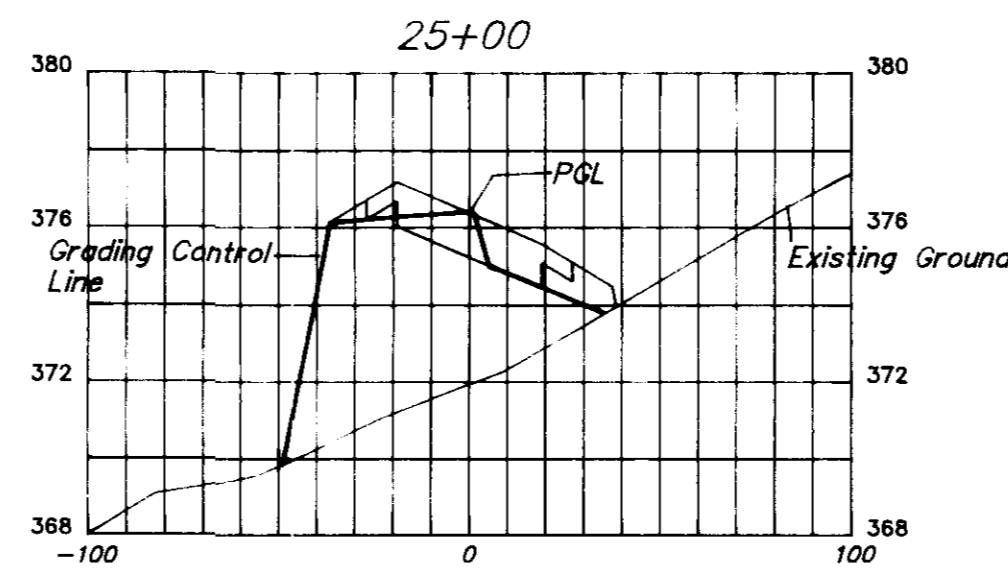
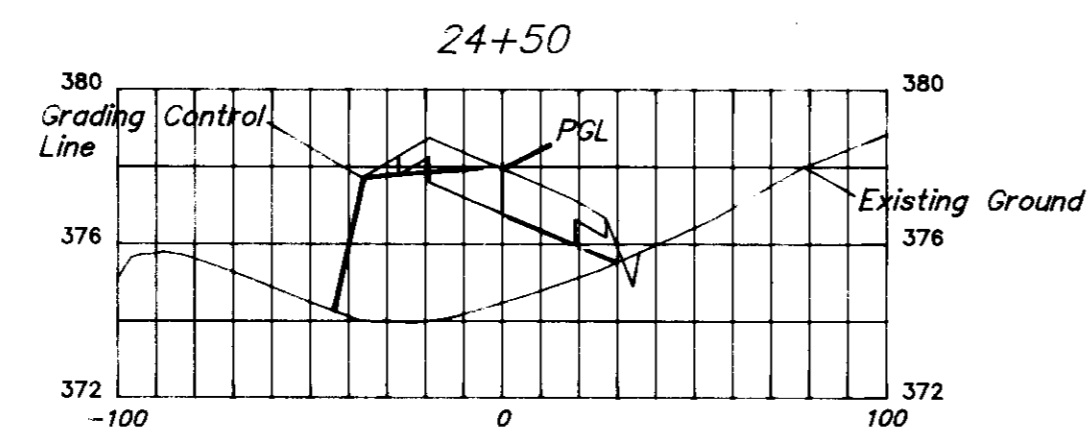
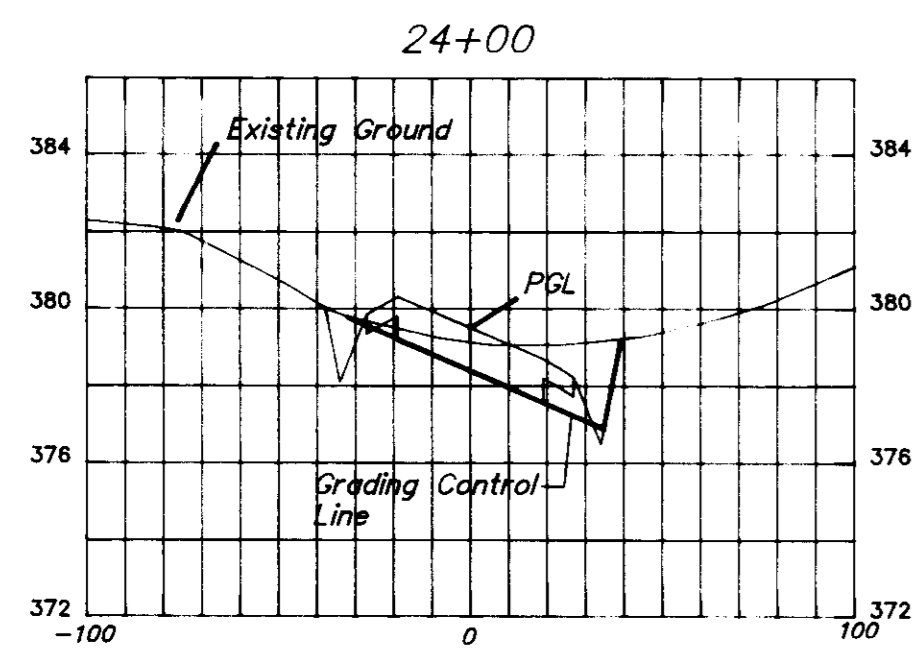
LDE, INC.
 8835 Columbia 100 Parkway, Unit N, Columbia, MD. 21045
 (410) 715-1070 (301) 596-3424 (410) 715-0681 (Fax)

DESIGNED	D.P.W.	PROFILE	SCALE
DRAWN	L.D.E.	49+50 to 57+50	1"=50' H.
CHECKED	B.D.B.	Centre 9500 Parcels P & Q	1"=5' V.
DATE	2/95	Lyndwood Manor Lot 179	DRAWING
		1st Election District	13 of 20
		Howard County, Maryland	JOB NO.
			95-006.4
			FILE NO.

OWNER: 100 INVESTMENT LIMITED PARTNERSHIP
 8835-P COLUMBIA 100 PARKWAY
 COLUMBIA, MARYLAND 21045

DEVELOPER: RAMAKER/KILLIAN L.L.C.
 5111 AVOCA AVENUE
 ELLICOTT CITY, MARYLAND 21043

APPROVED
 [Signature] 4/10/95
 [Signature] 4/10/95



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[Signature] 6/5/95
 DIRECTOR DATE
[Signature] 6/5/95
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
 NATURAL RESOURCE CONSERVATION DISTRICT DATE

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] 8/10/95
 SIGNATURE OF ENGINEER DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 6/1/95
 DIRECTOR DATE
[Signature] 5/31/95
 CHIEF, BUREAU OF ENGINEERING DATE

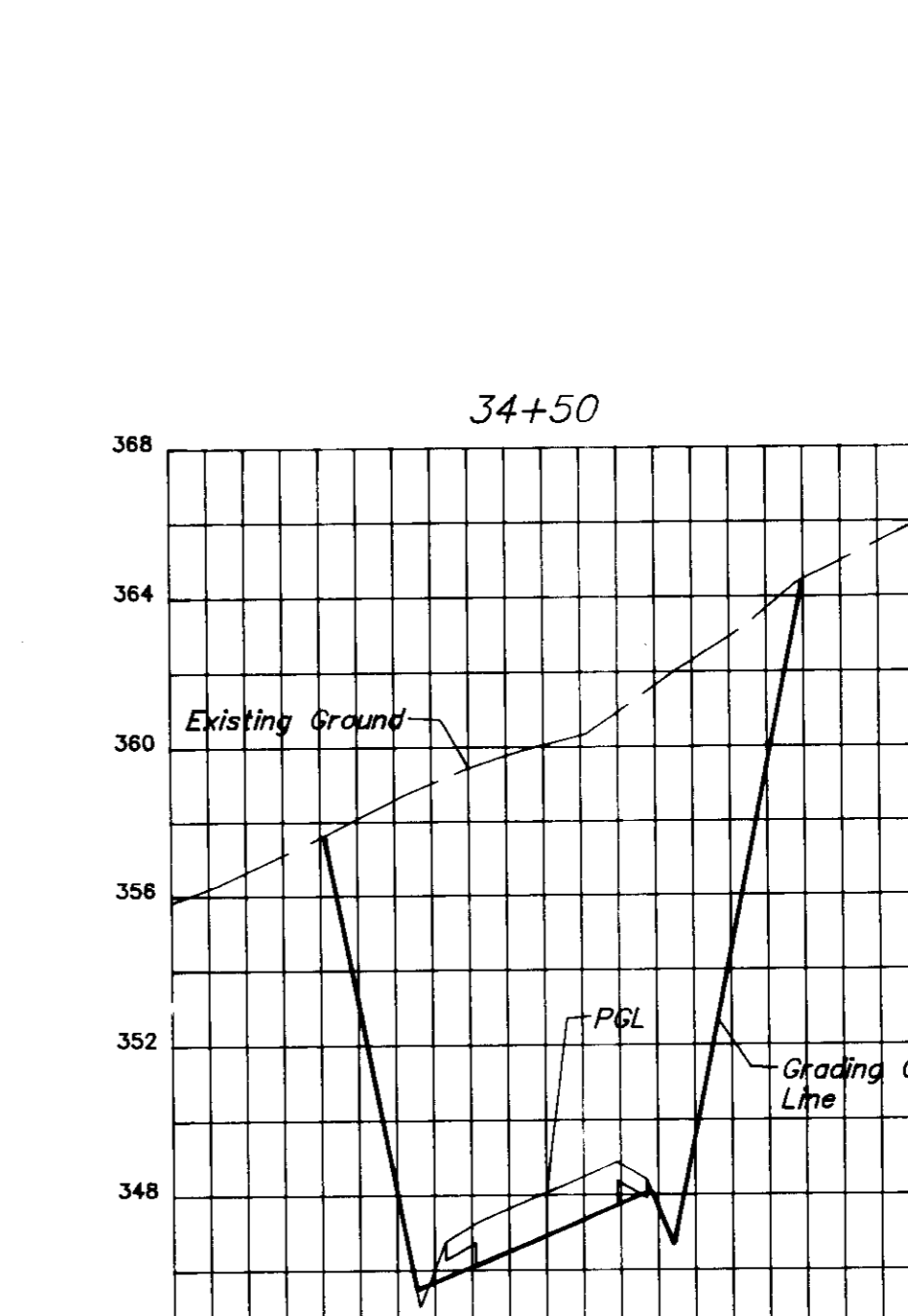
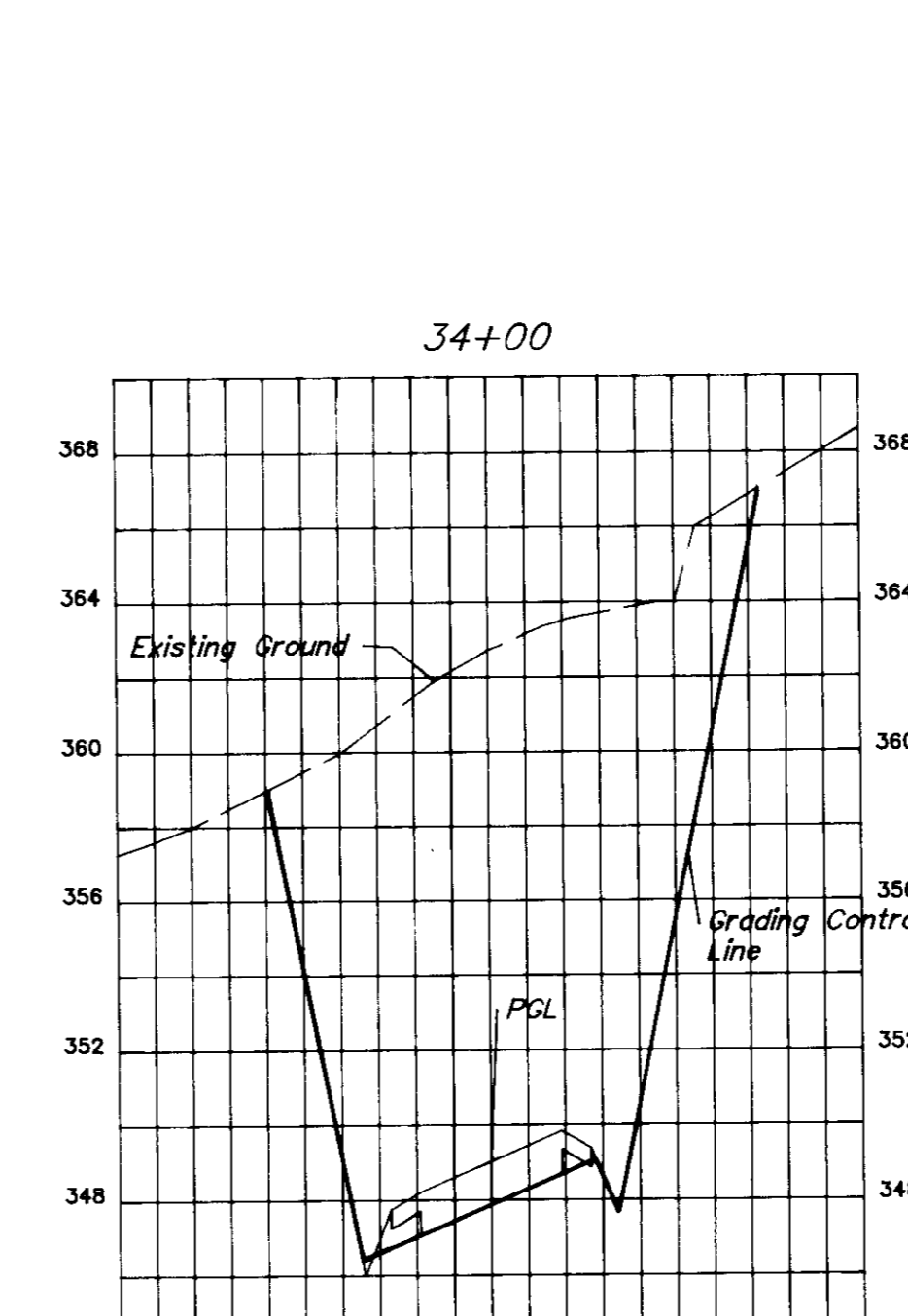
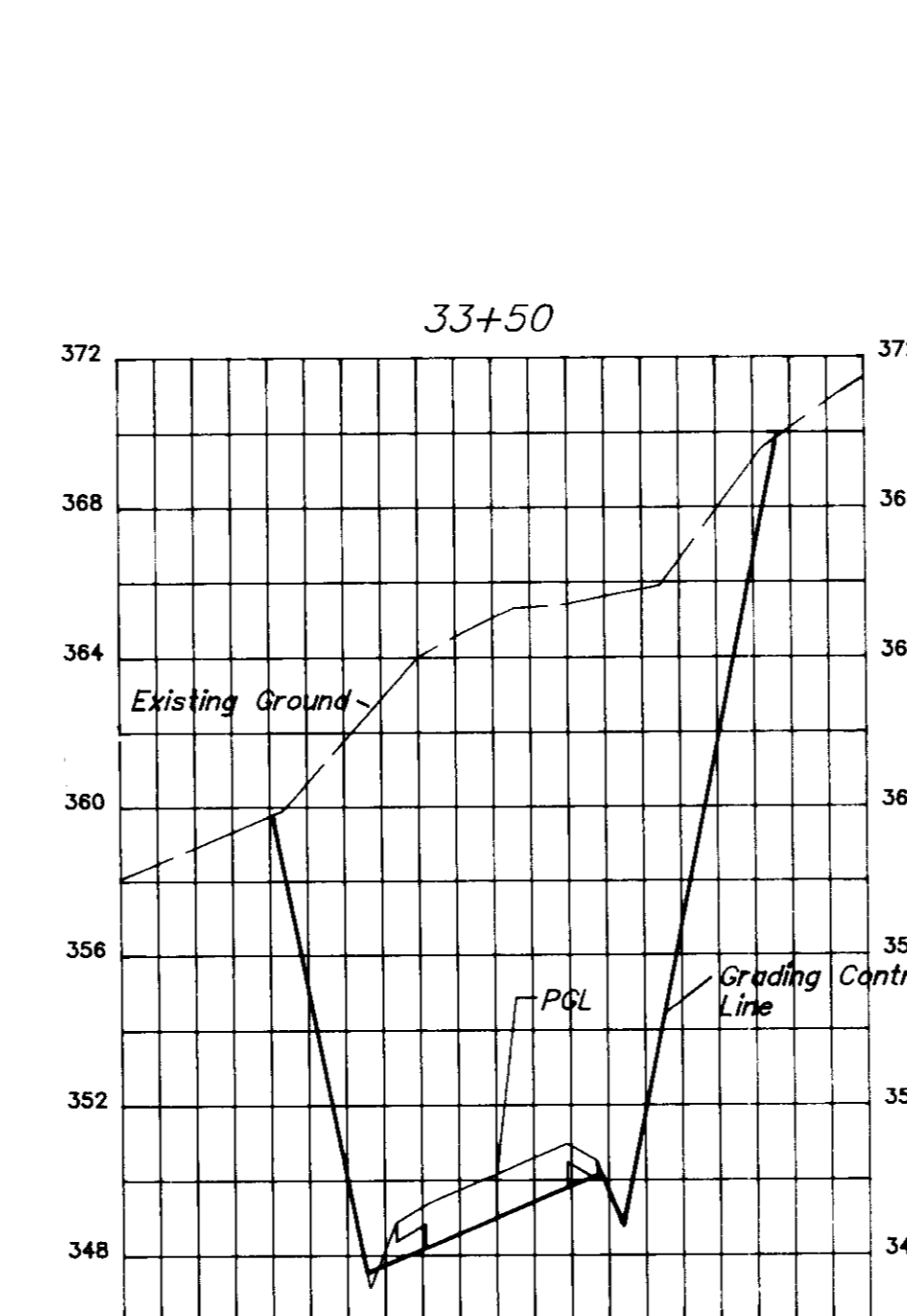
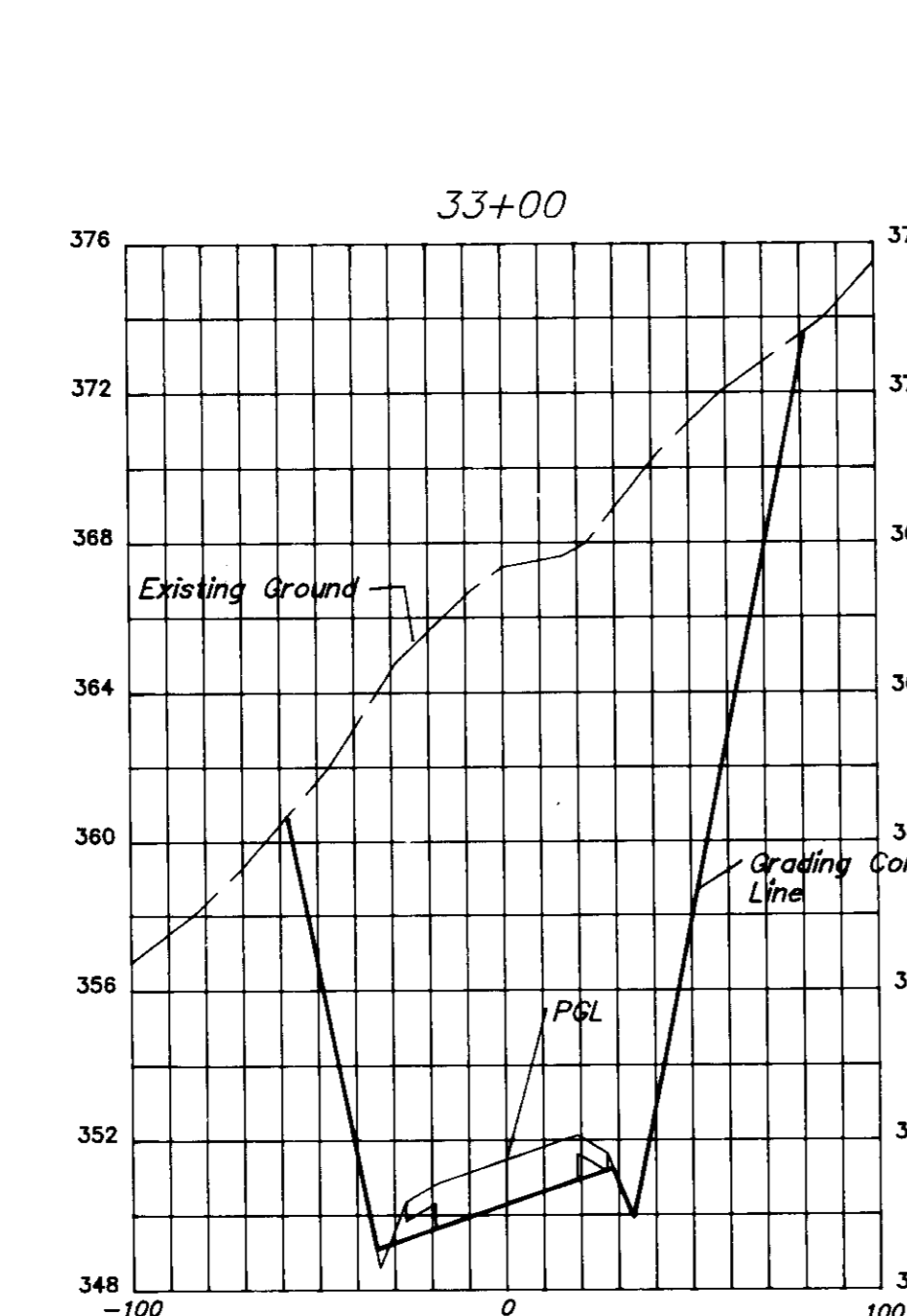
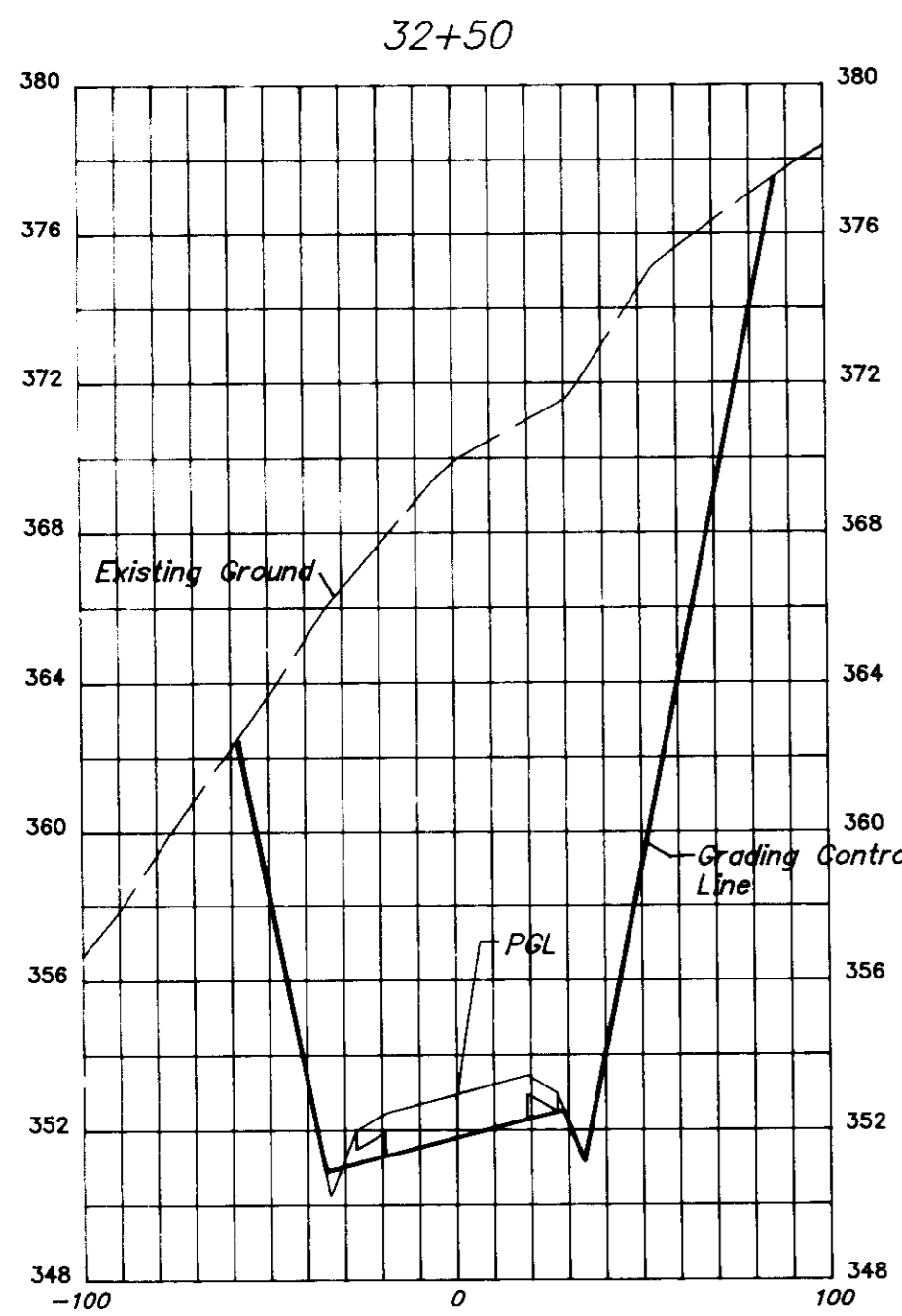
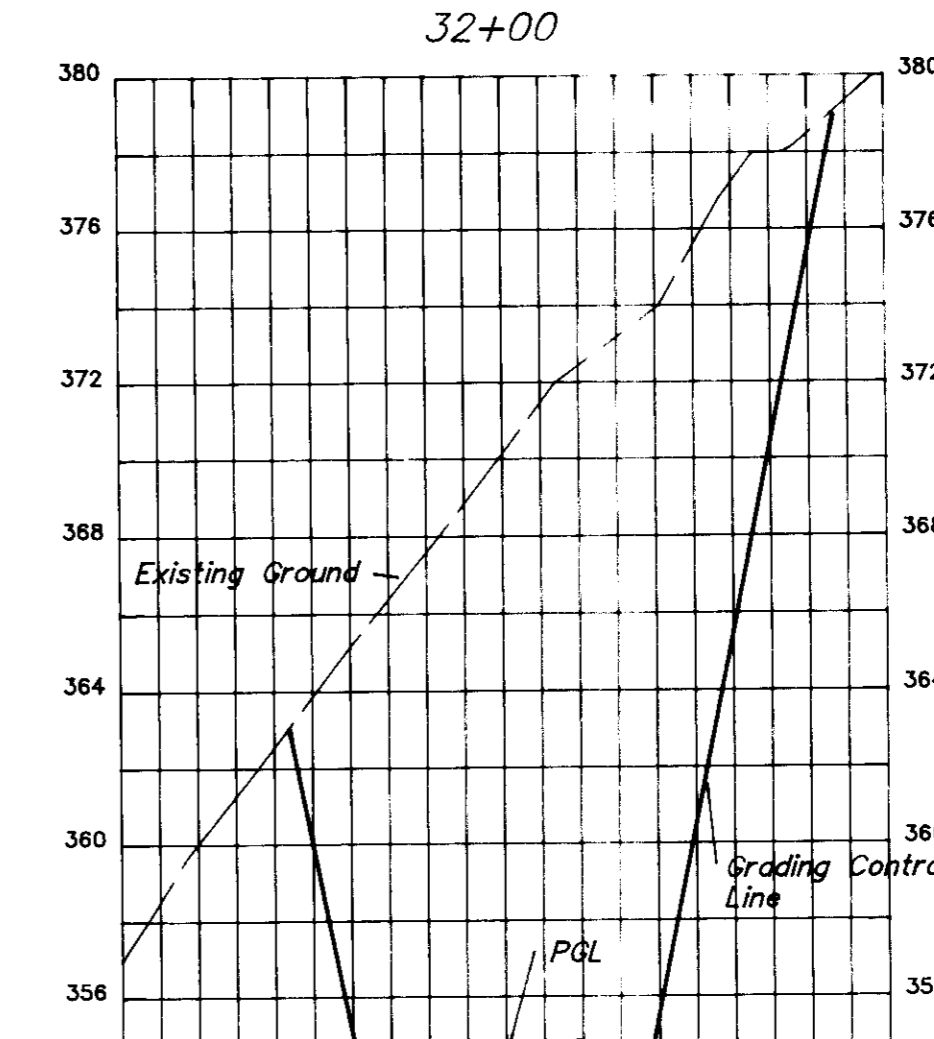
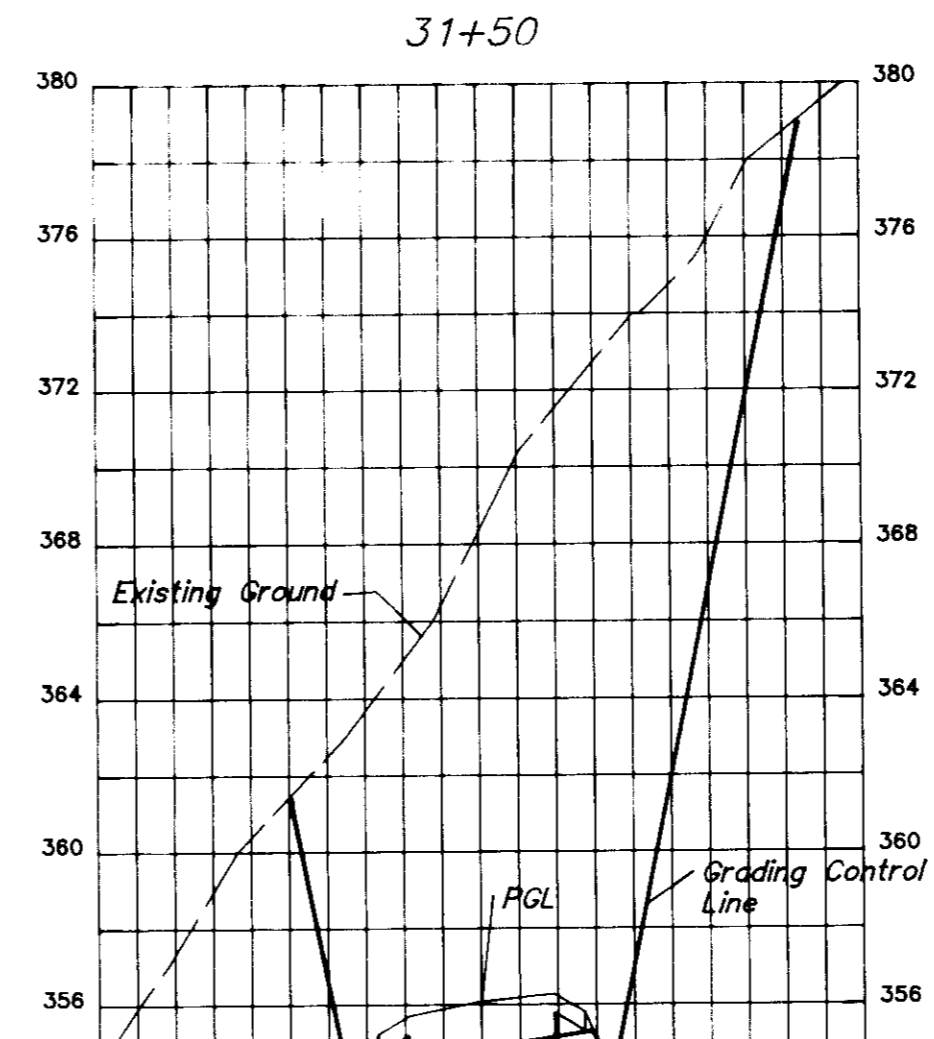
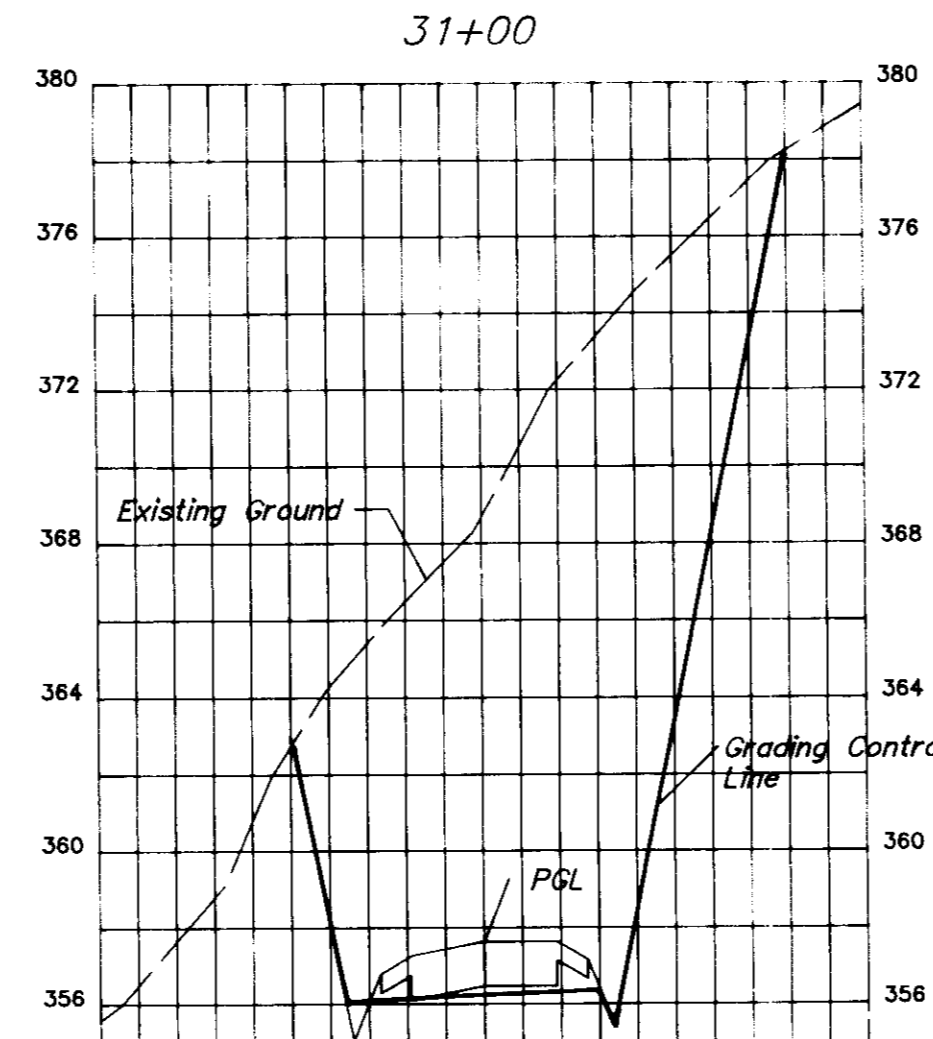
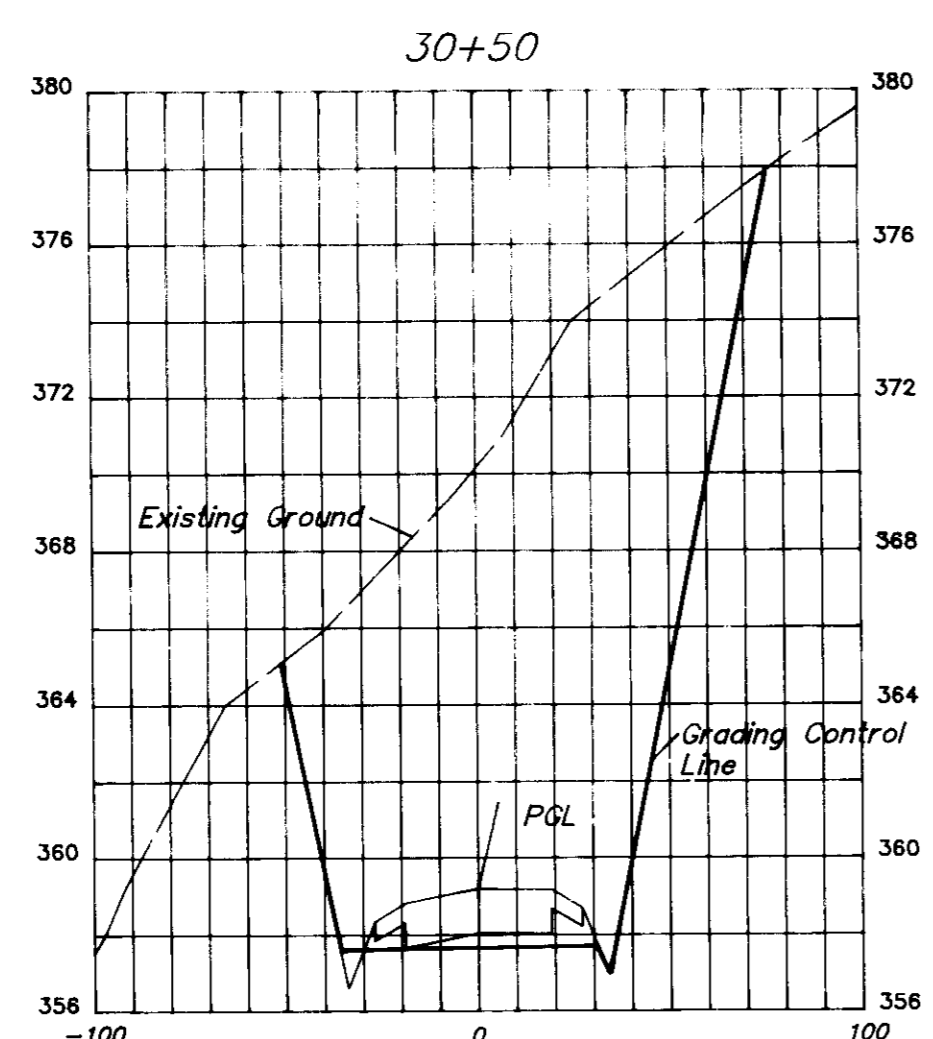
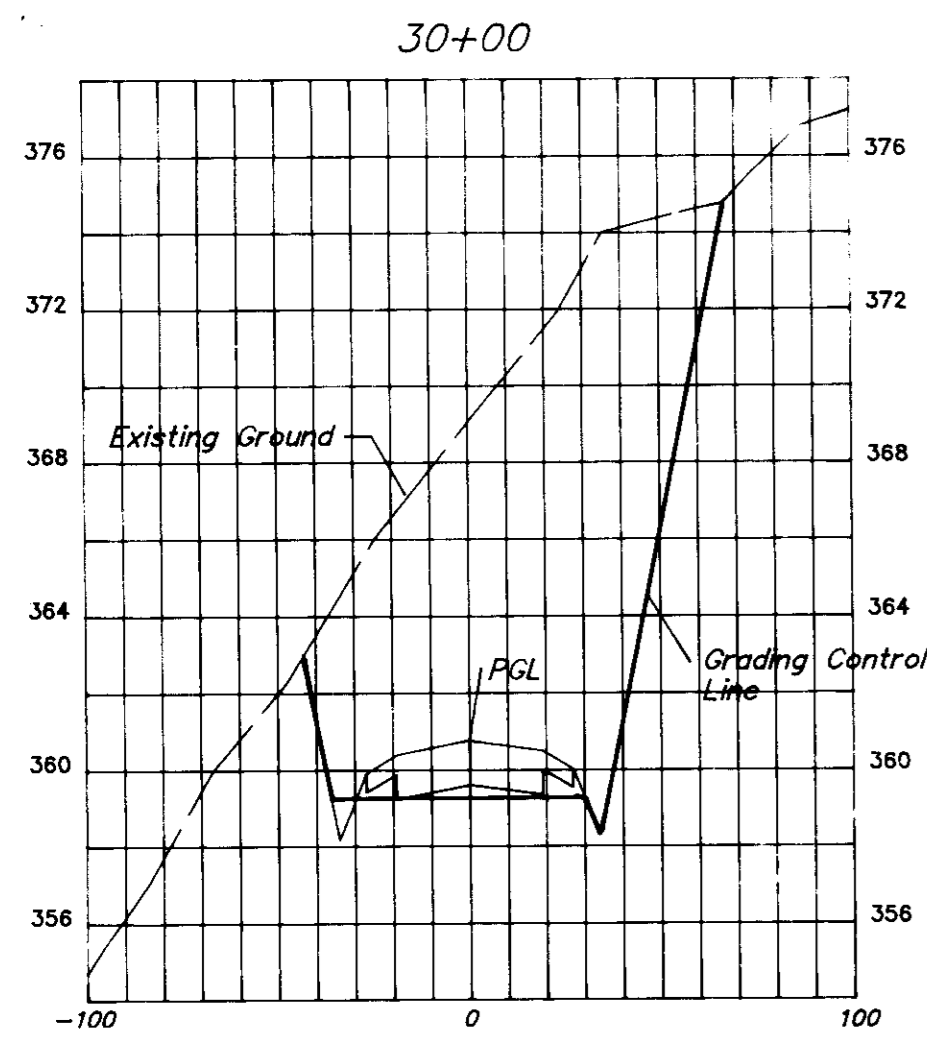
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SOIL CONSERVATION DISTRICT DATE

DEVELOPER'S CERTIFICATE
 "I HEREBY 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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."
[Signature] 8/10/95
 SIGNATURE OF DEVELOPER DATE

SUBDIVISION NAME CENTRE 9500/ LYNDWOOD MANOR		SECTION/AREA P & Q	PARCEL NO. 179
PLAT NO. 11522, 11523/ 11515	BLOCK NO. 10	ZONE PECB-2/ RSC	TAX MAP NO. 37
WATER CODE		ELECTION DISTRICT 1	CENSUS TRACT 6001.02
		SEWER CODE	

LDE, INC. 8835 Columbia 100 Parkway, Unit N, Columbia, MD. 21045 (410) 715-1070 (301) 596-3424 (410) 715-0681 (Fax)		
DESIGNED DPW	CROSS SECTIONS 24+00 to 29+50 Centre 9500 Parcels P & Q Lyndwood Manor Lot 179 1st Election District Howard County, Maryland	SCALE 1" = 5' V. 1" = 50' H.
DRAWN CADD		DRAWING 14 of 20
CHECKED B.D.B.		JOB NO. 95-006.4
DATE 4/95		FILE NO. SDP 95-77
OWNER: 100 INVESTMENT LIMITED PARTNERSHIP 8835-P COLUMBIA 100 PARKWAY COLUMBIA, MARYLAND 21045		DEVELOPER: RAMMAKER/KOLLIAN LLC. 5111 AVOCA AVENUE ELLCOTT CITY, MARYLAND 21043

[Signature] 8/10/95



SUBDIVISION NAME		CENTRE 9500/ LYNDWOOD MANOR		SECTION/AREA	1/1	PARCEL/NO.	P 8, Q 172
PLAT NO.	BLOCK NO.	ZONE	TAX MAP NO.	ELECTION DISTRICT	CENSUS TRACT		
11522, 11523/ 11515	10	PEC-B-2/ RSC	37	1	6001.02		
WATER CODE				SEWER CODE			

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[Signature] 4/10/95
 DIRECTOR
 CHEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
 NATURAL RESOURCE CONSERVATION DISTRICT _____ DATE _____

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. BURTON 4/10/95
 SIGNATURE OF ENGINEER DATE

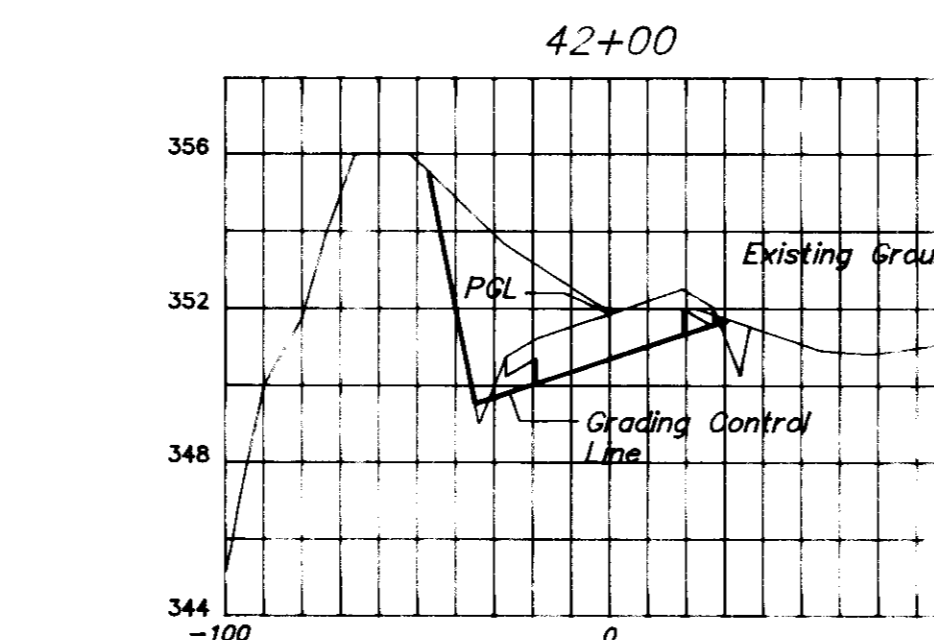
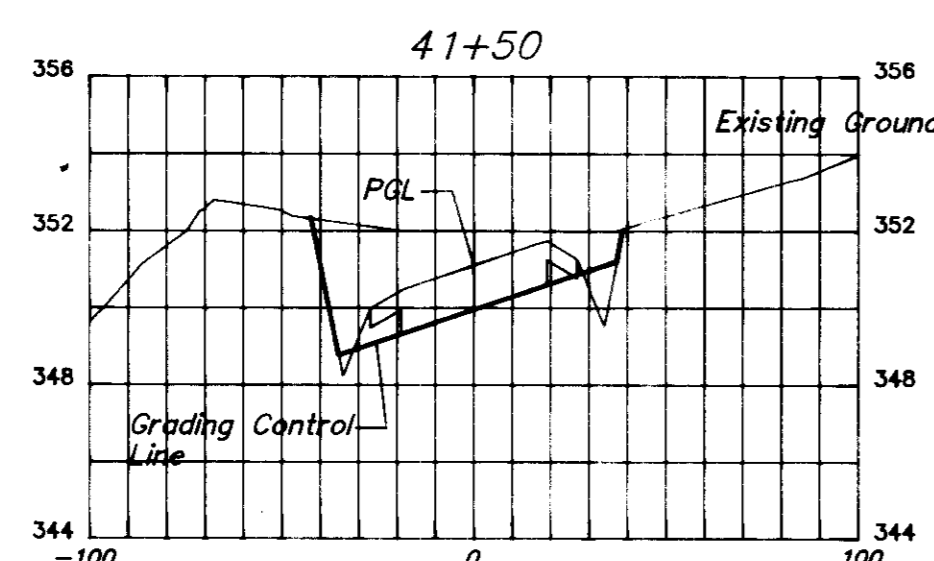
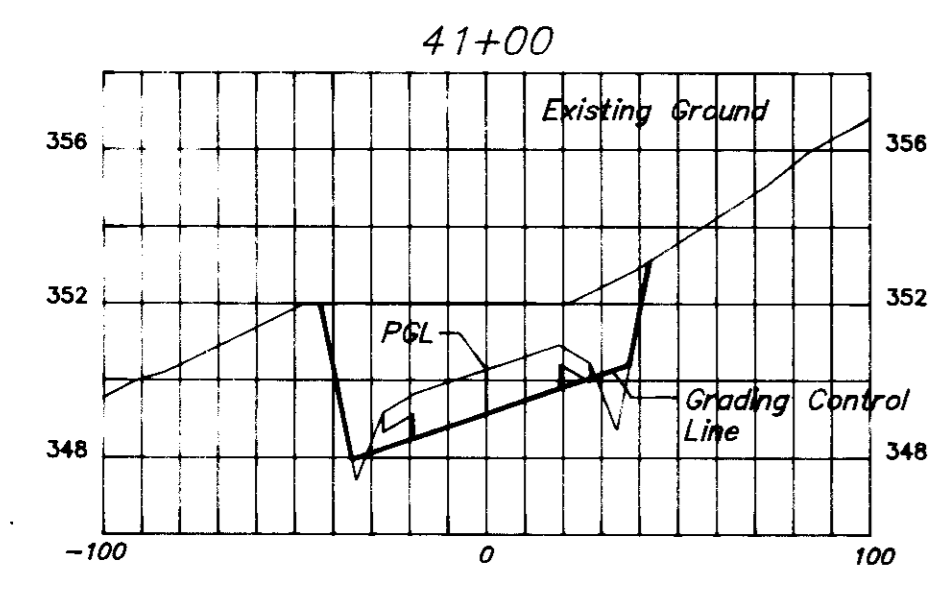
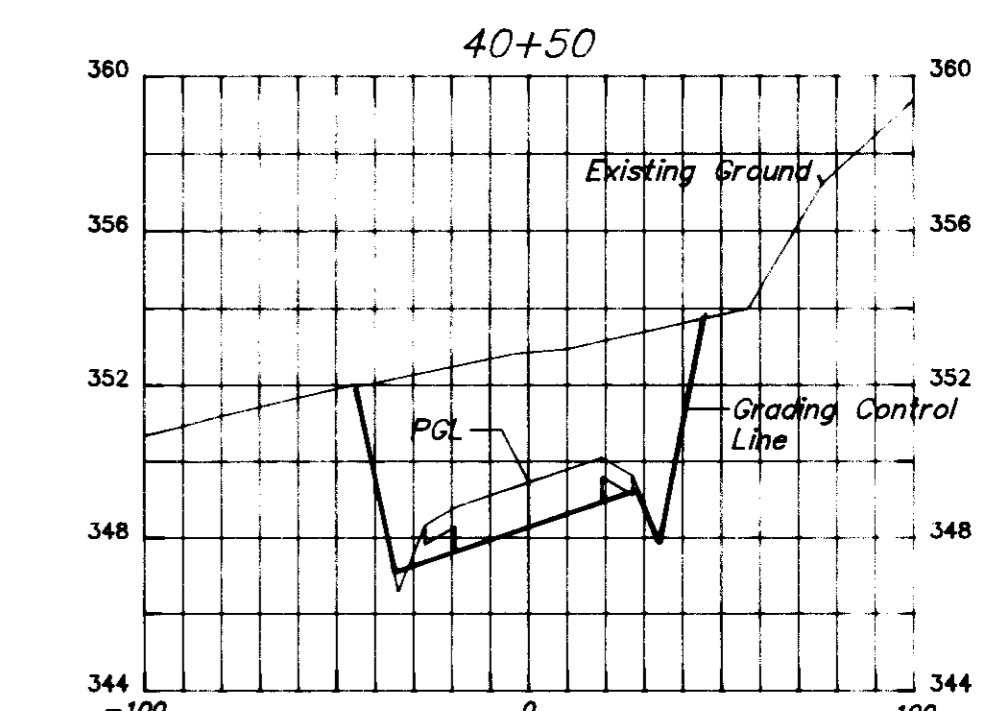
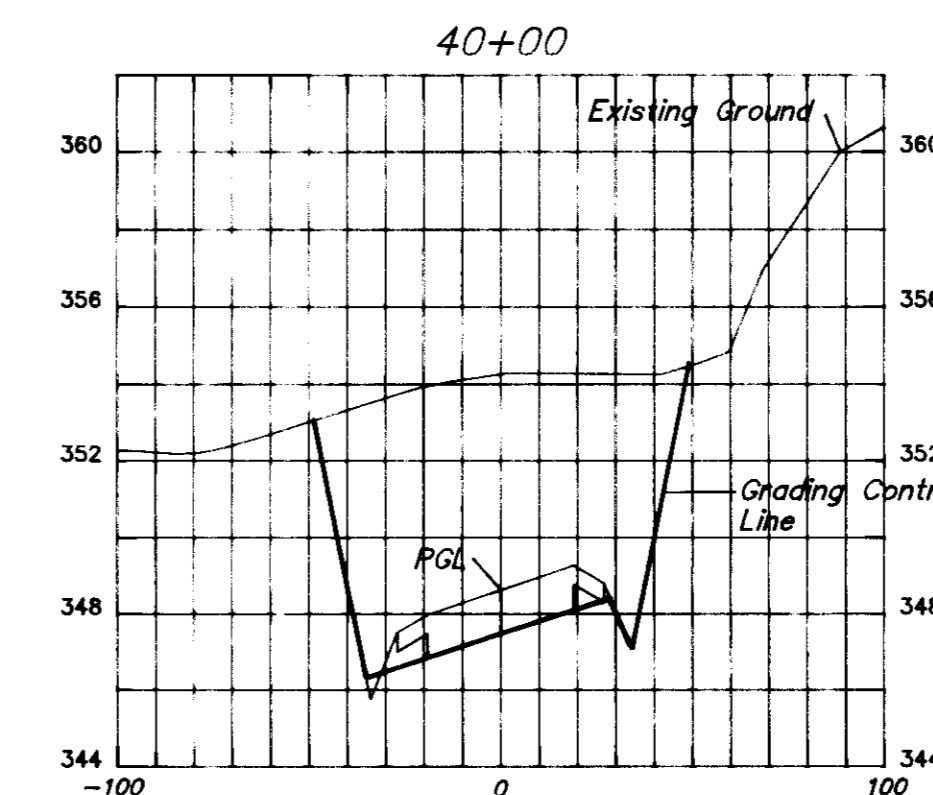
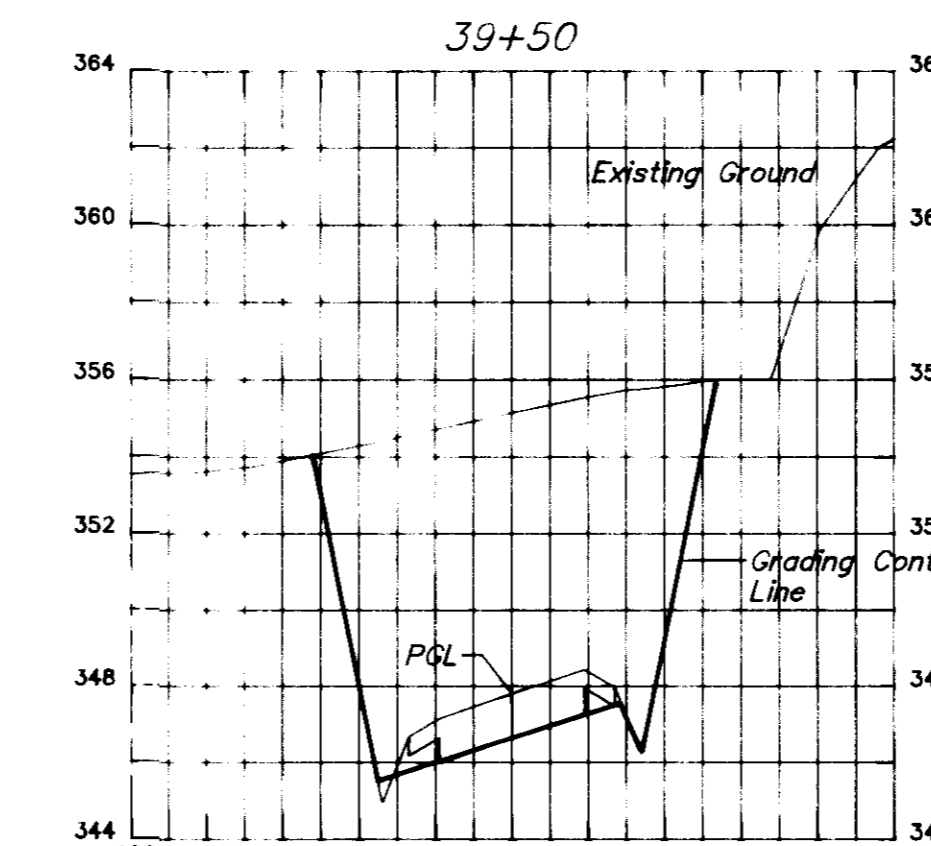
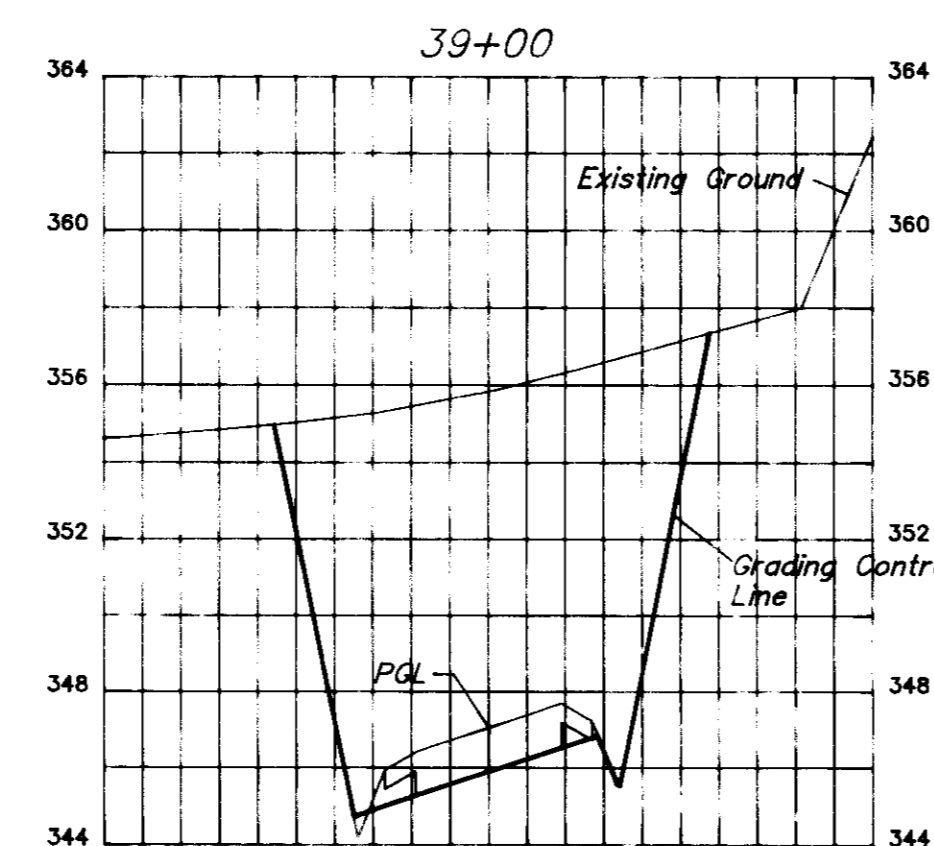
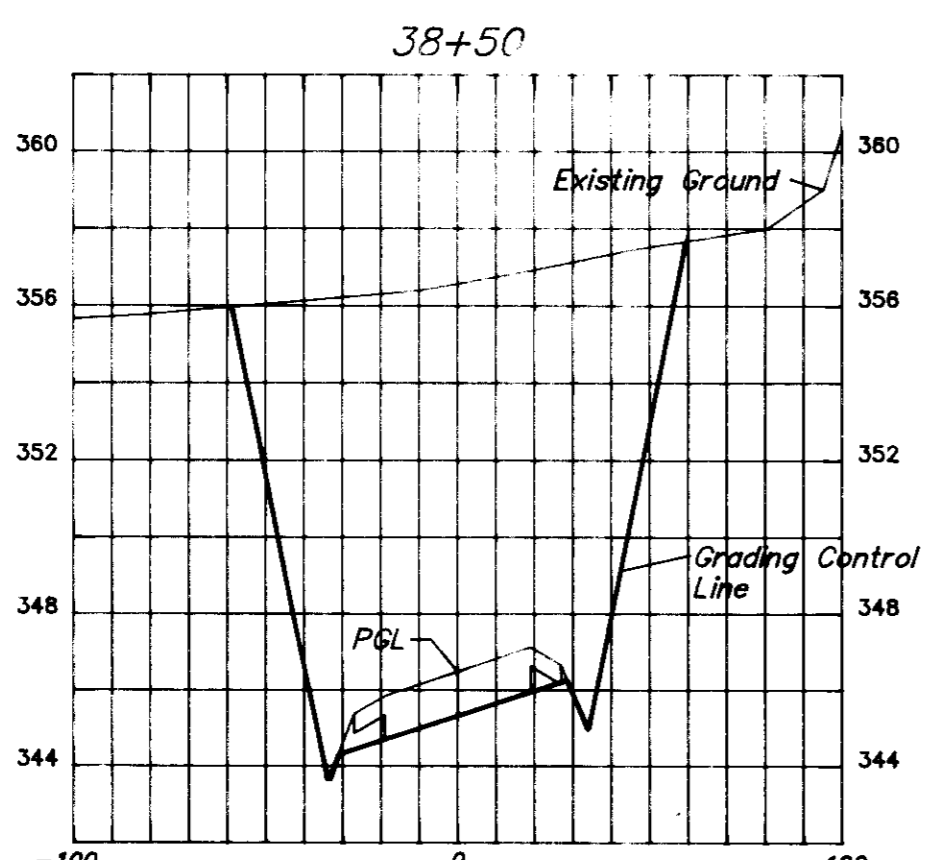
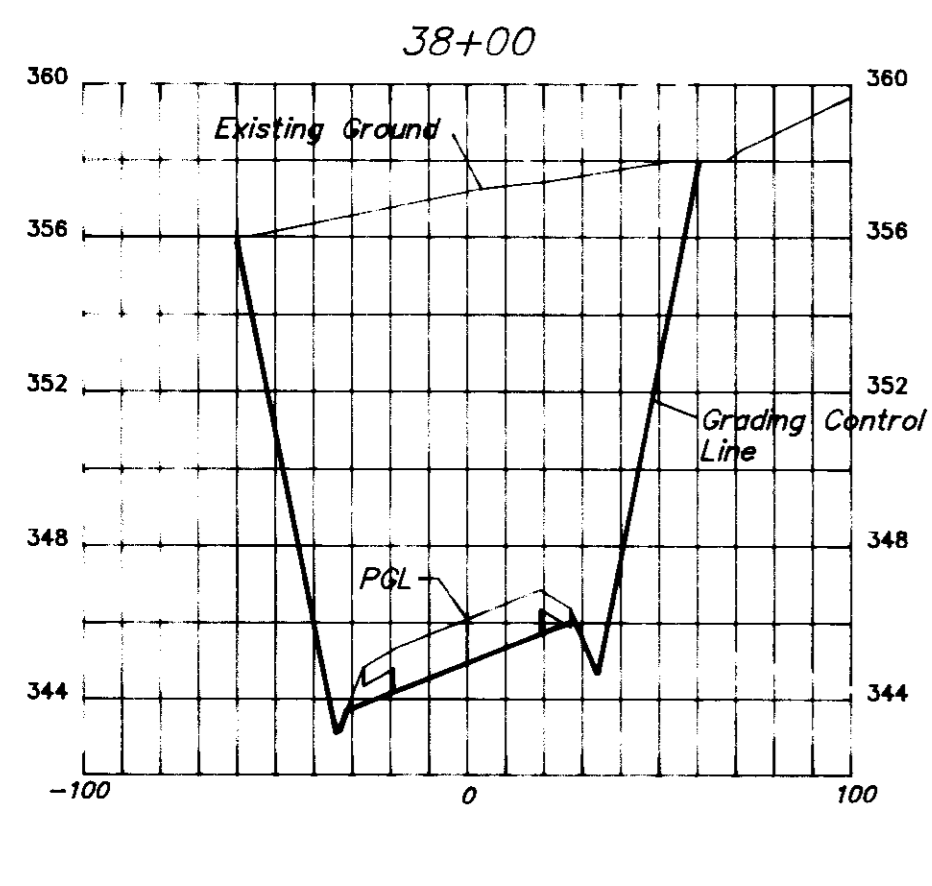
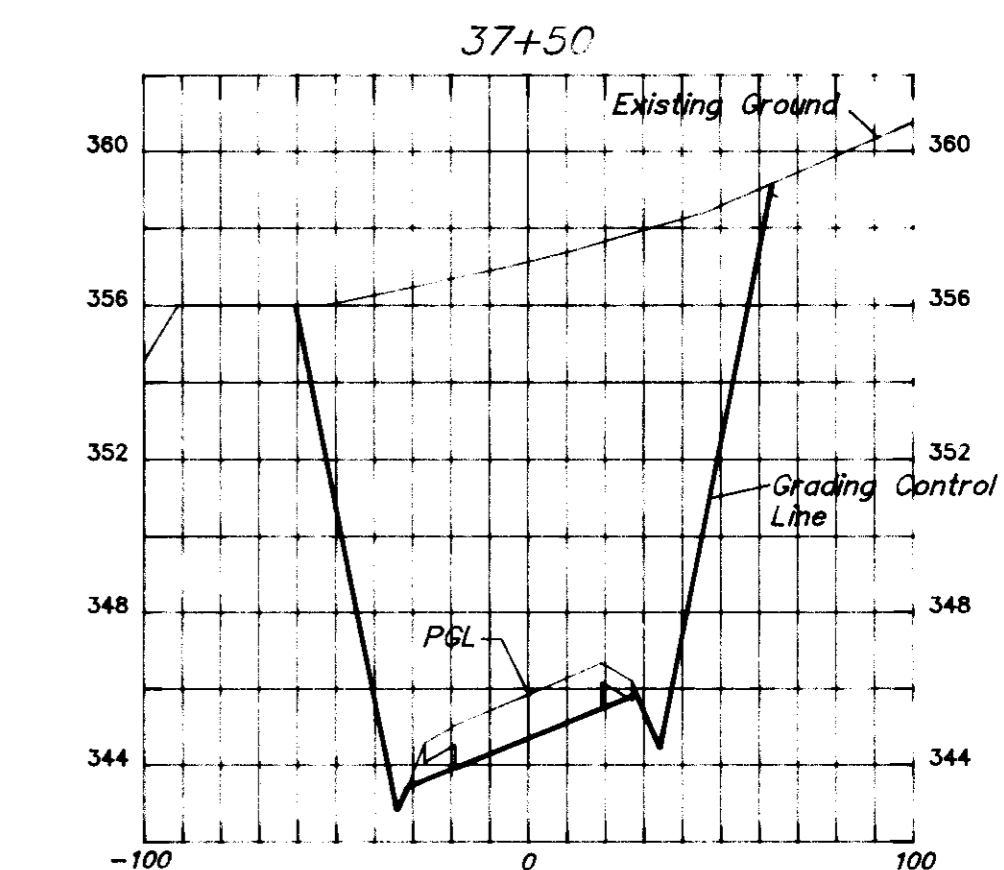
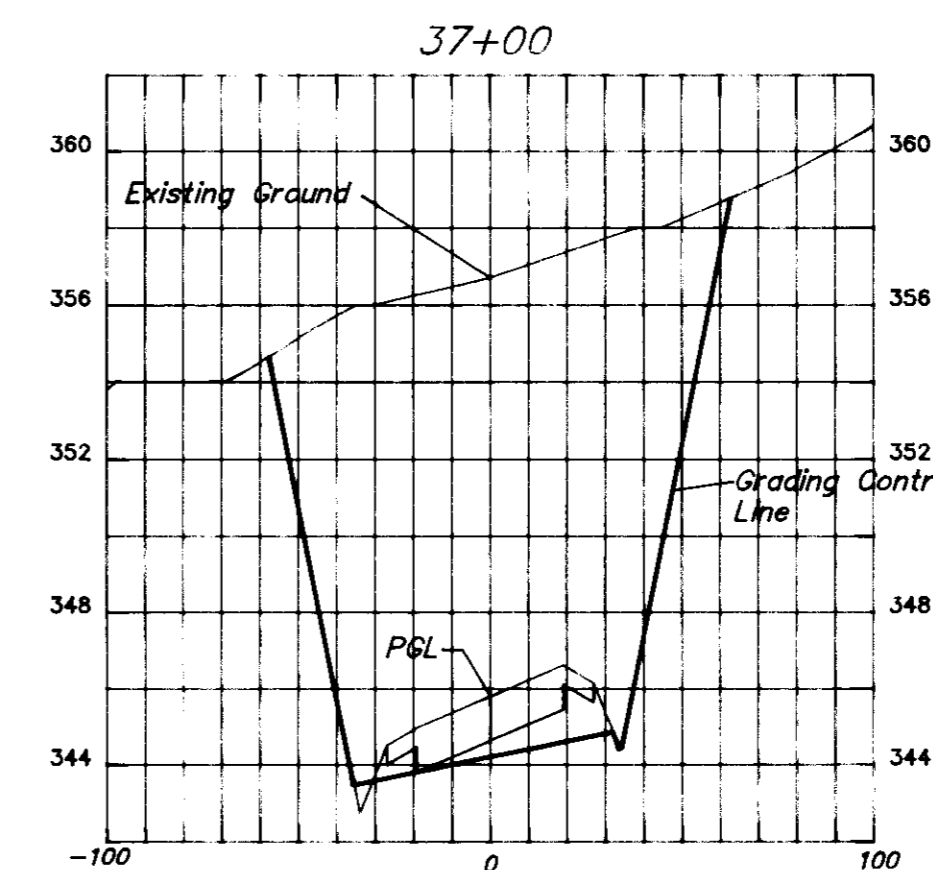
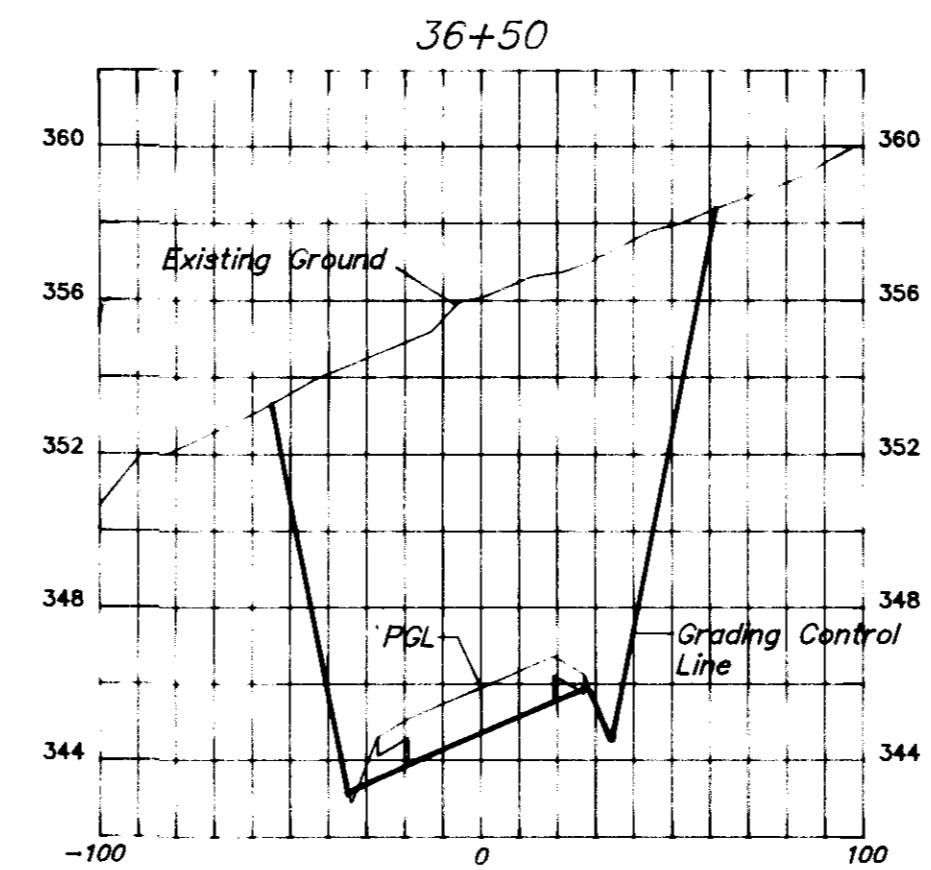
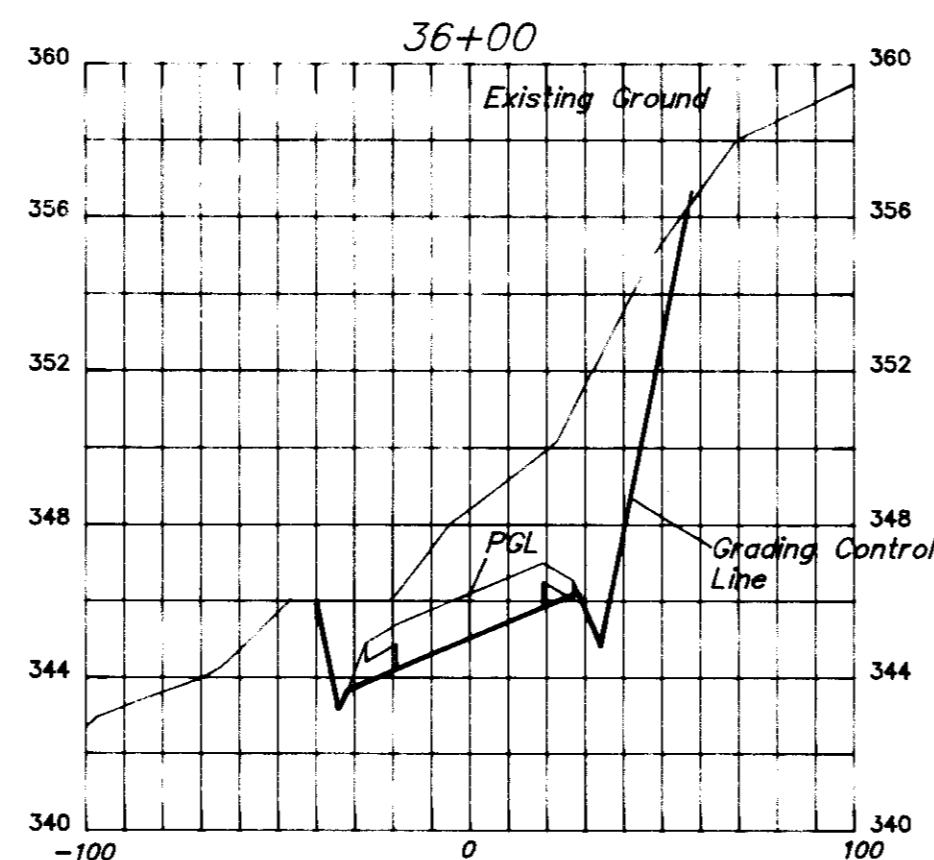
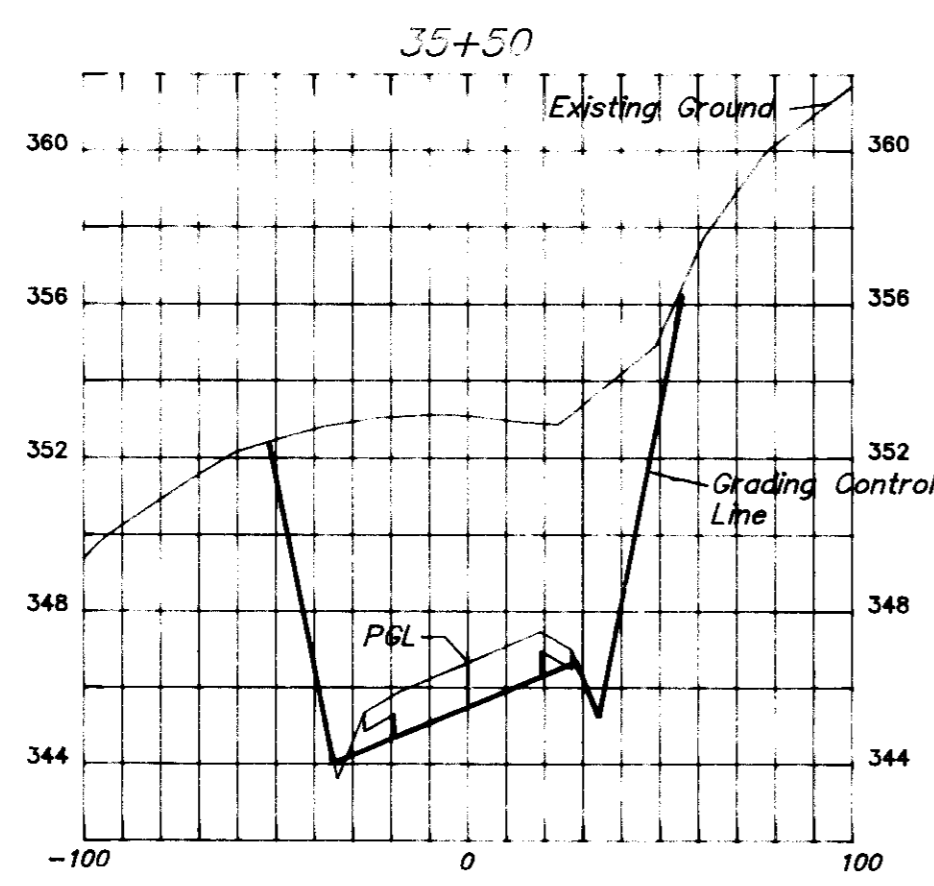
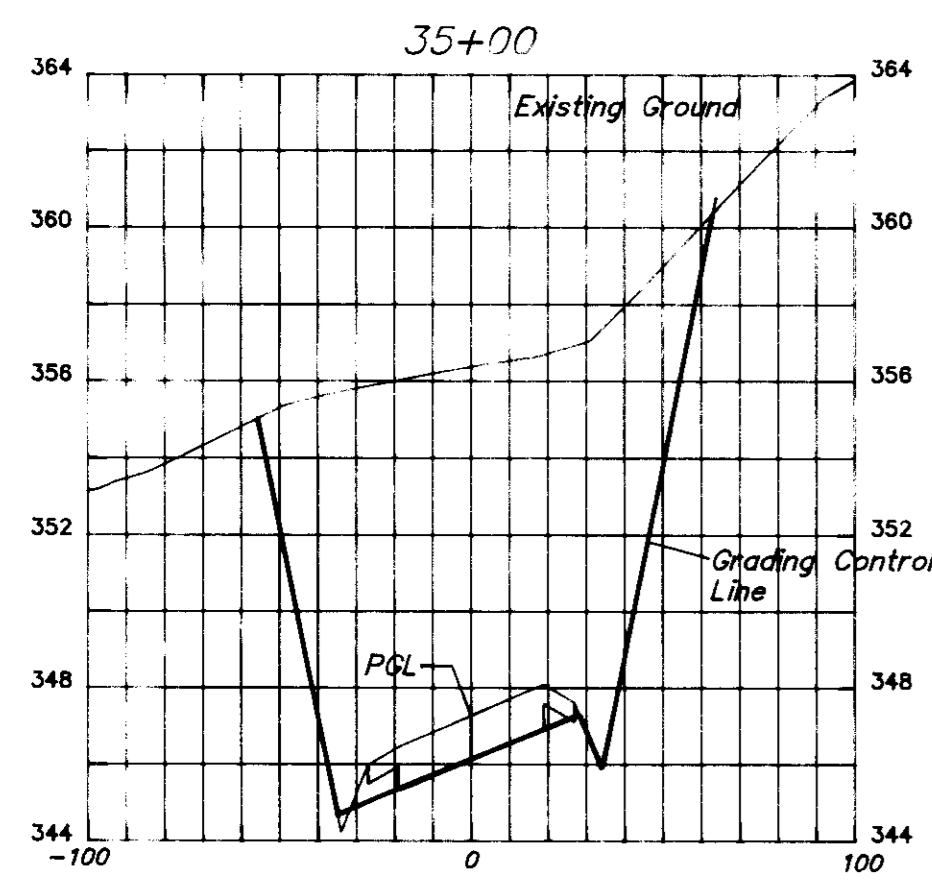
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 4/1/95
 DIRECTOR
 CHIEF, BUREAU OF ENGINEERING AND DESIGN

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SOIL CONSERVATION DISTRICT _____ 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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."
[Signature] 4/10/95
 SIGNATURE OF DEVELOPER DATE

BRUCE D. BURTON
 4/10/95

LDE, INC. 8835 Columbia 100 Parkway, Unit N, Columbia, MD. 21045 (410) 715-1070 (301) 596-3424 (410) 715-0681 (Fax)		
DESIGNED	CROSS SECTIONS 30+00 to 34+50 Centre 9500 Parcels P & Q Lyndwood Manor Lot 179 1st Election District Howard County, Maryland	
DRAWN	SCALE 1" = 5' V. 1" = 50' H	
CHECKED	DRAWING 15 of 20	
DATE	JOB NO. 95-006.4	
4/95	OWNER: 100 INVESTMENT LIMITED PARTNERSHIP 8835-P COLUMBIA 100 PARKWAY COLUMBIA, MARYLAND 21045	DEVELOPER: RAMMAGER/KULLIAN LLC 5111 AVOCA AVENUE ELLICOTT CITY, MARYLAND 21043
	FILE NO. SDP 95-77	



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR: *[Signature]* DATE: 6/10/95
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 6/1/95
 CHIEF, BUREAU OF ENGINEERING

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
 NATURAL RESOURCE CONSERVATION DISTRICT DATE: _____

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SOIL CONSERVATION DISTRICT DATE: _____

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: *[Signature]* DATE: 4/10/95

DEVELOPER'S CERTIFICATE
 "I HEREBY 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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."
 SIGNATURE OF DEVELOPER: *[Signature]* DATE: 4/10/95

SUBDIVISION NAME	CENTRE 9500/ LYNDWOOD MANOR	SECTION/AREA	PARCEL NO.	P & Q
PLAT NO.	BLOCK NO. 1152, 1152A, 11515	ZONE 10	TAX MAP NO. PGB-2/ 37	ELECTION DISTRICT 6081.02
WATER CODE	SEWER CODE			

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

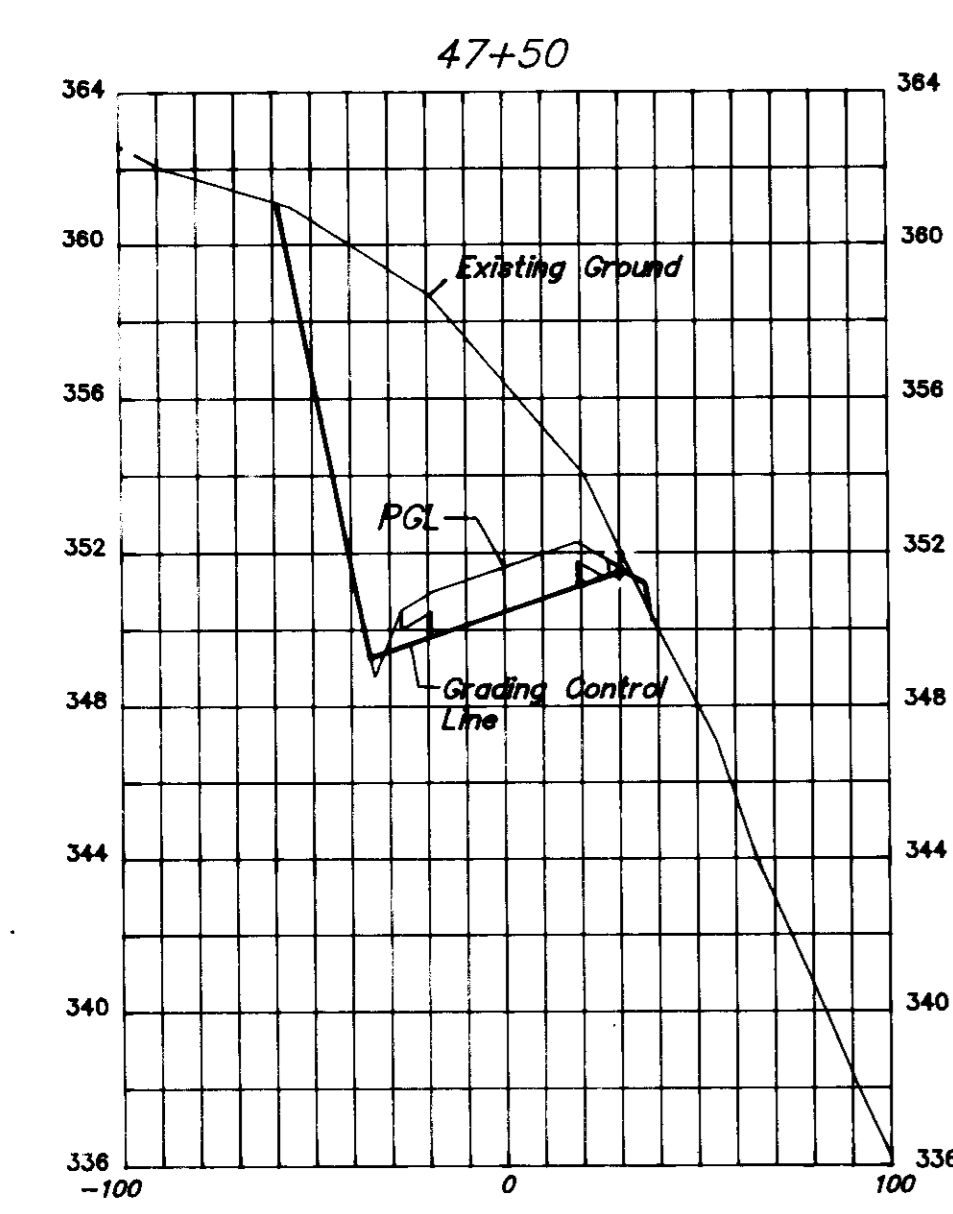
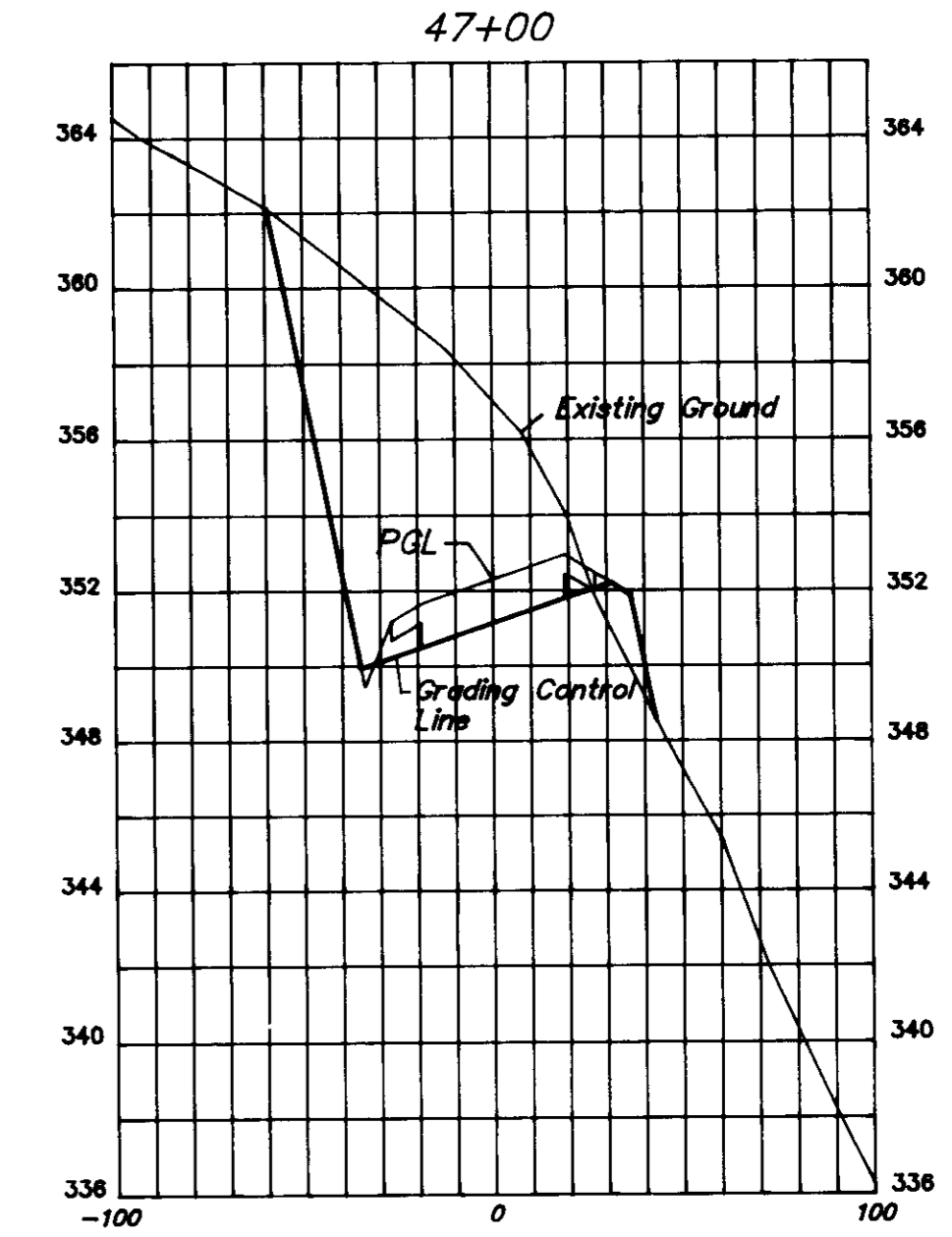
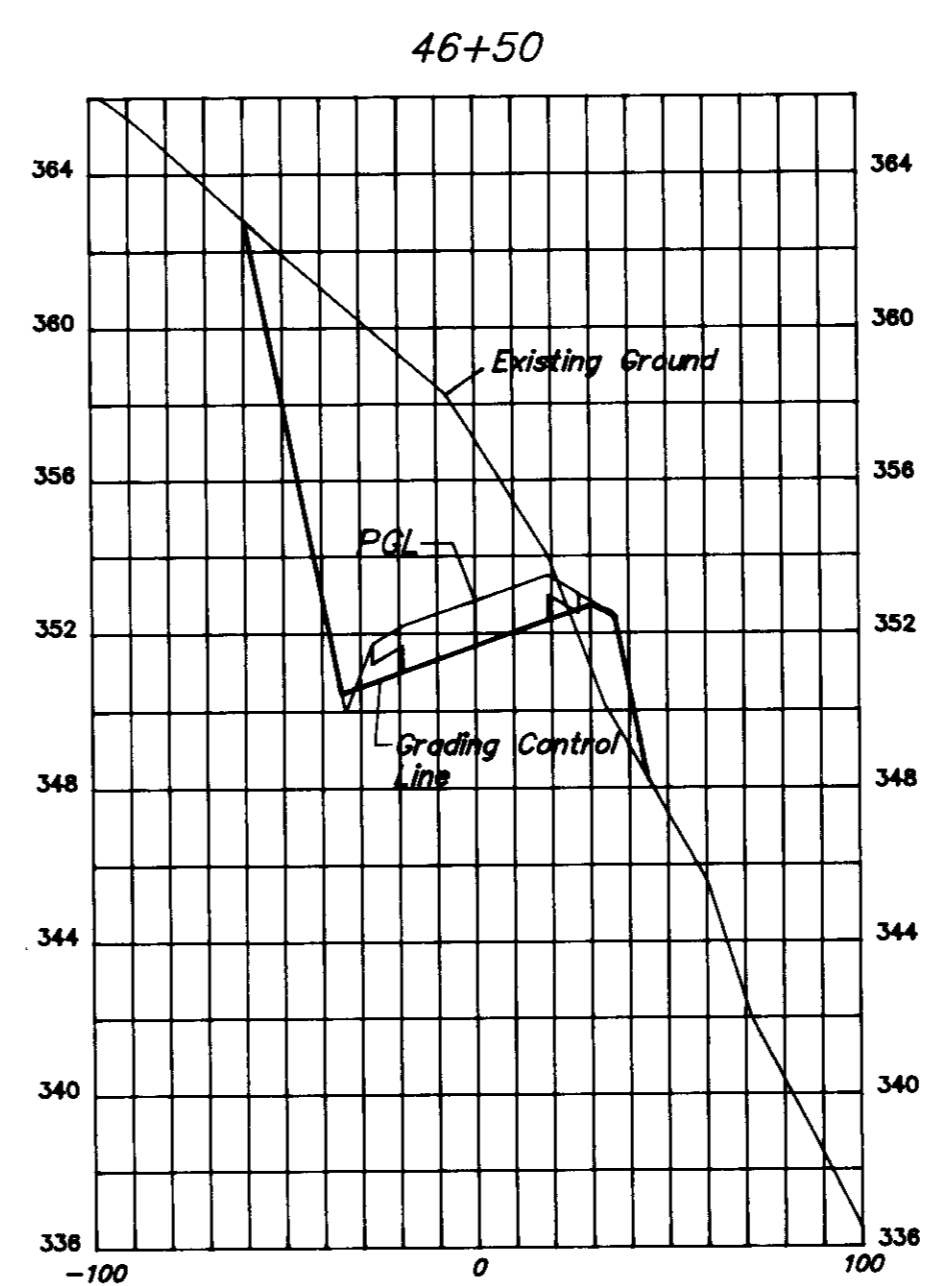
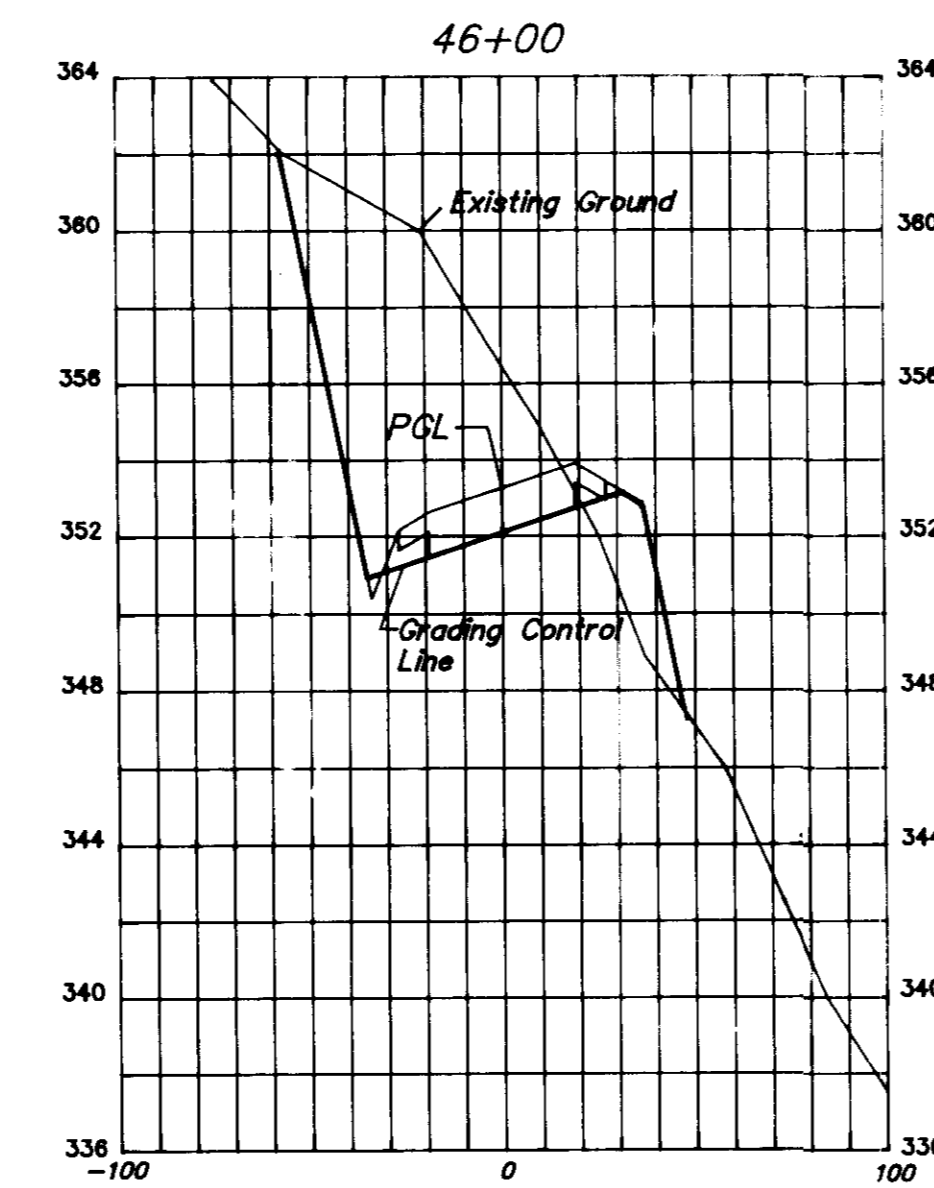
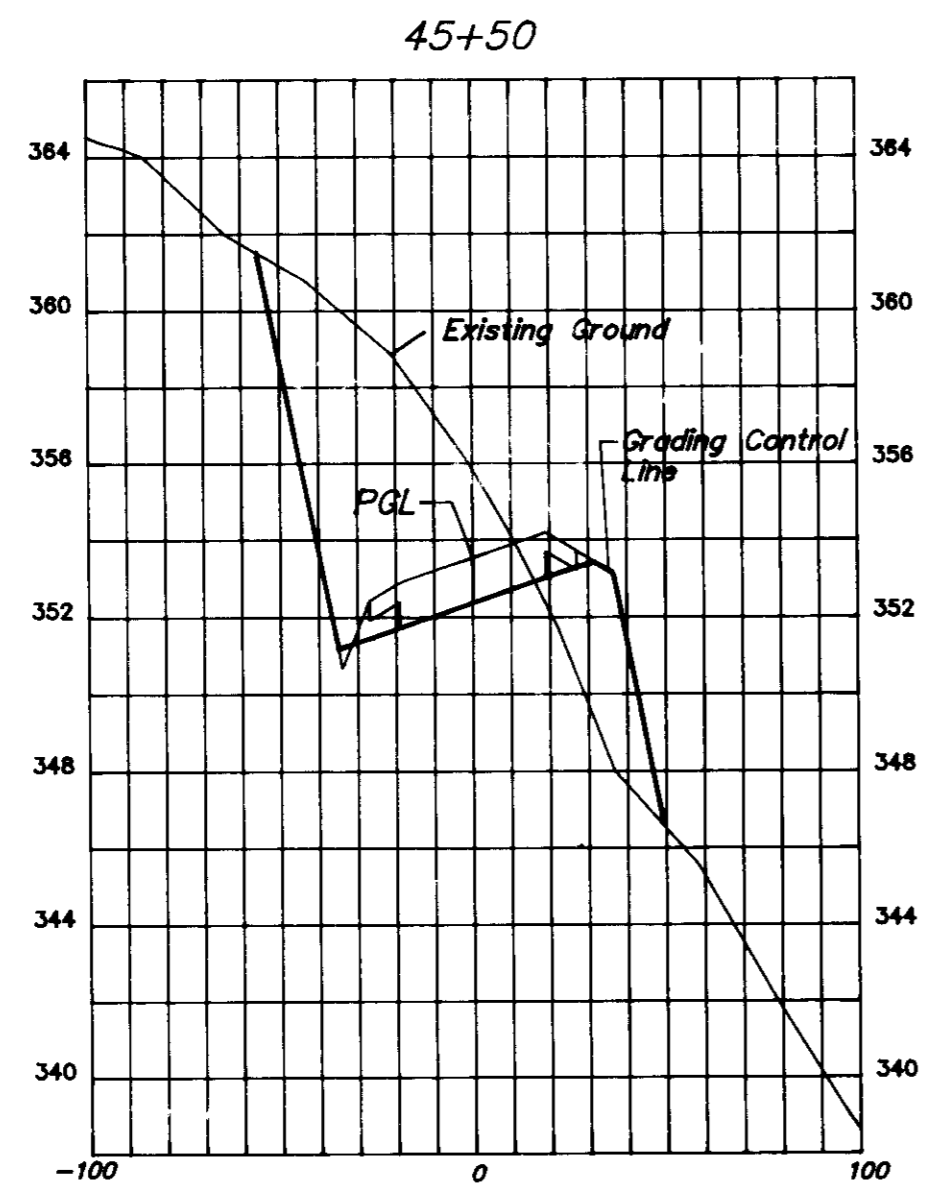
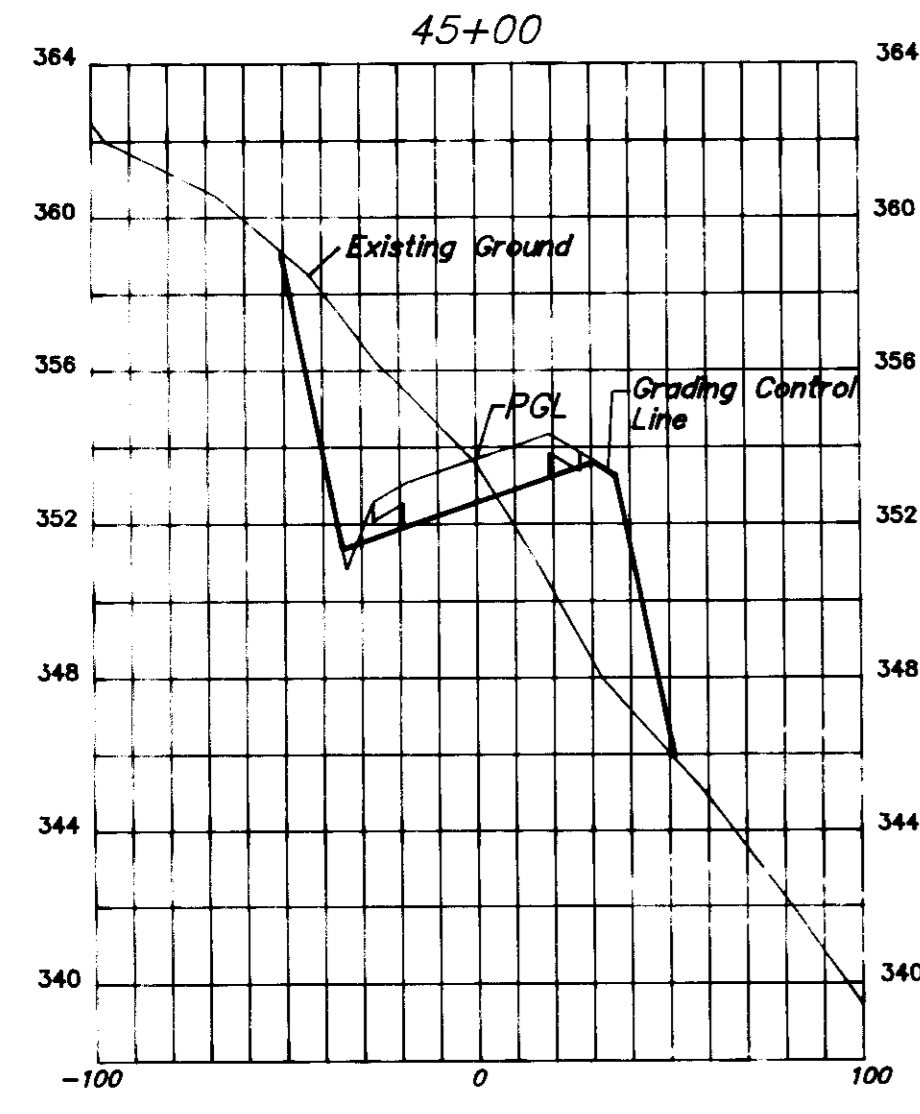
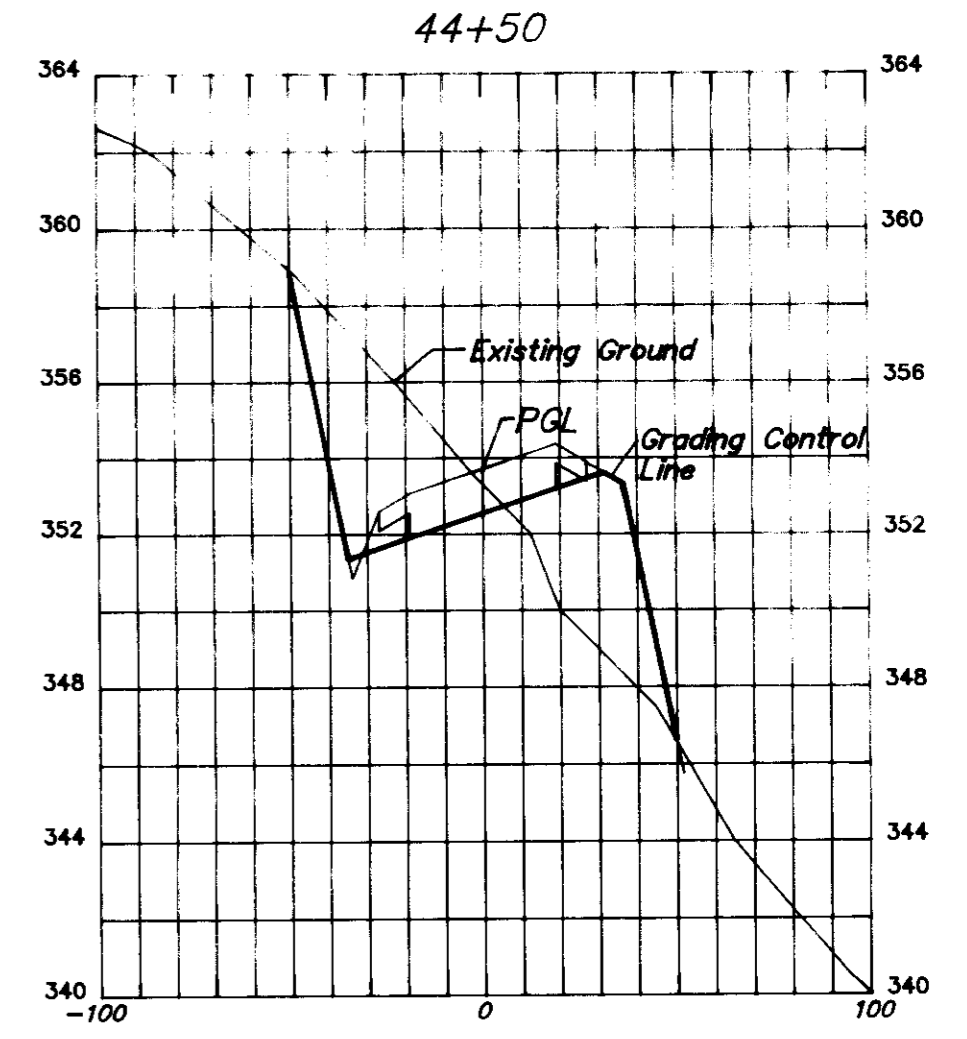
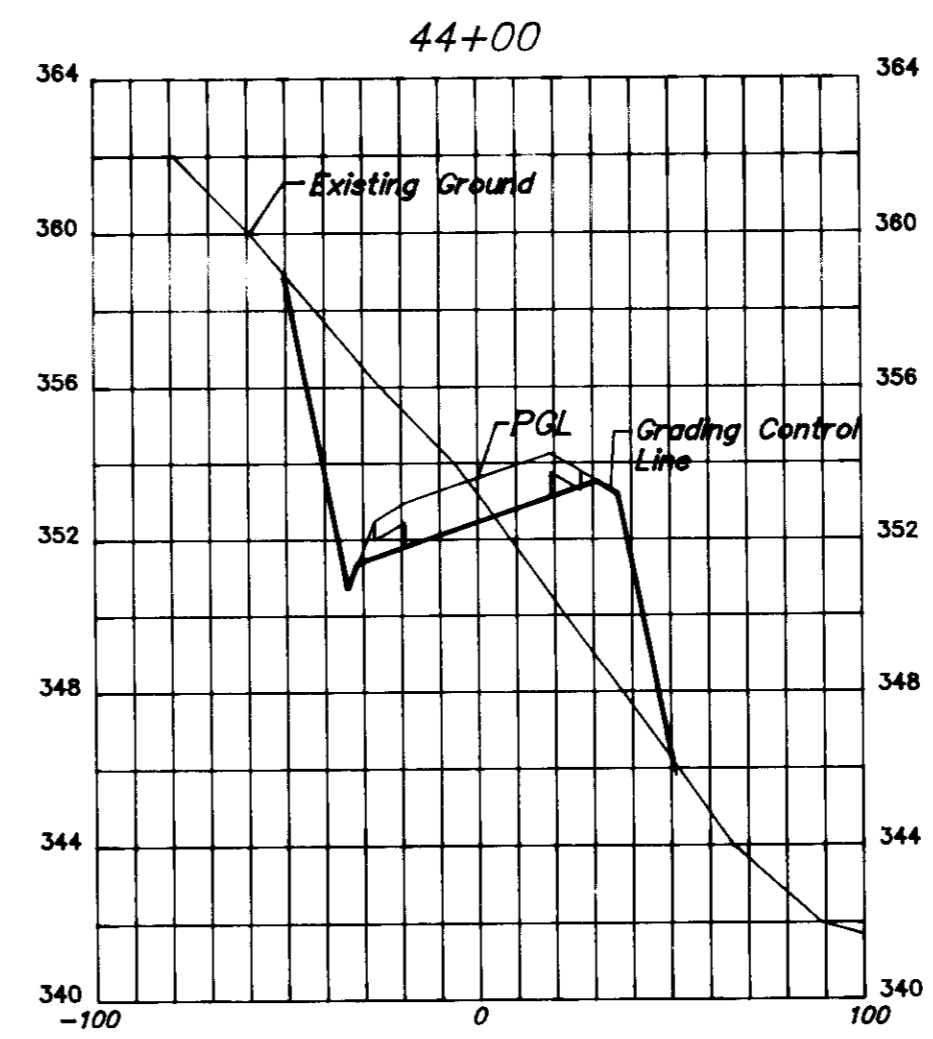
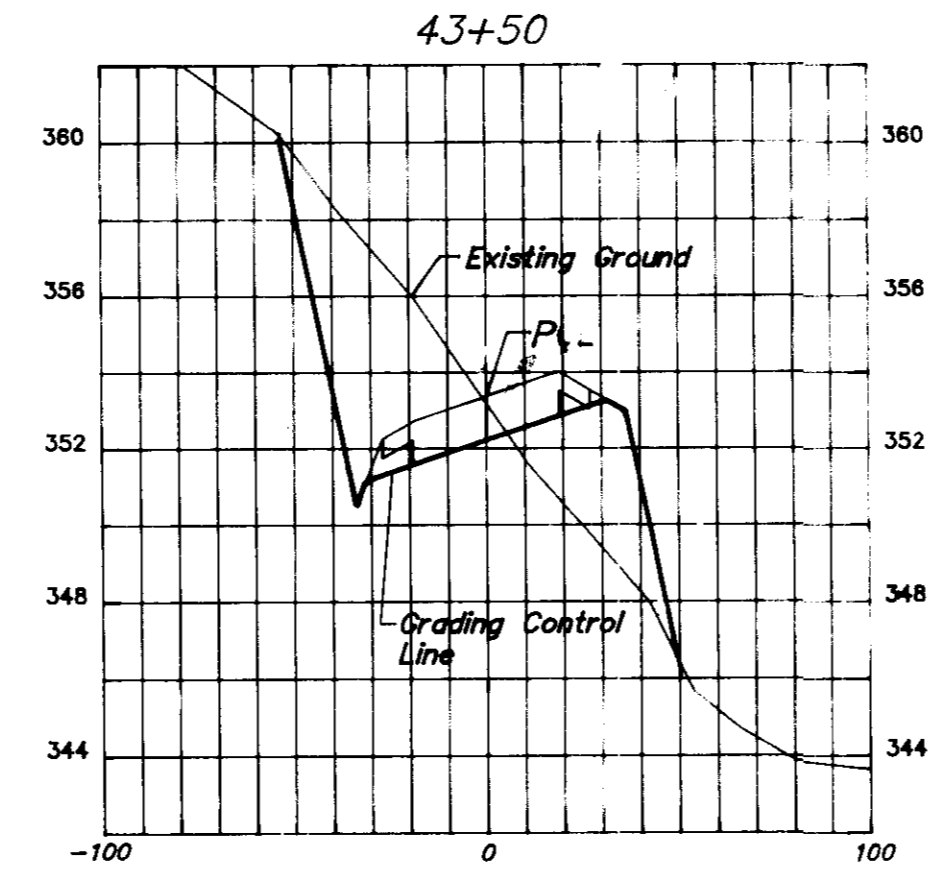
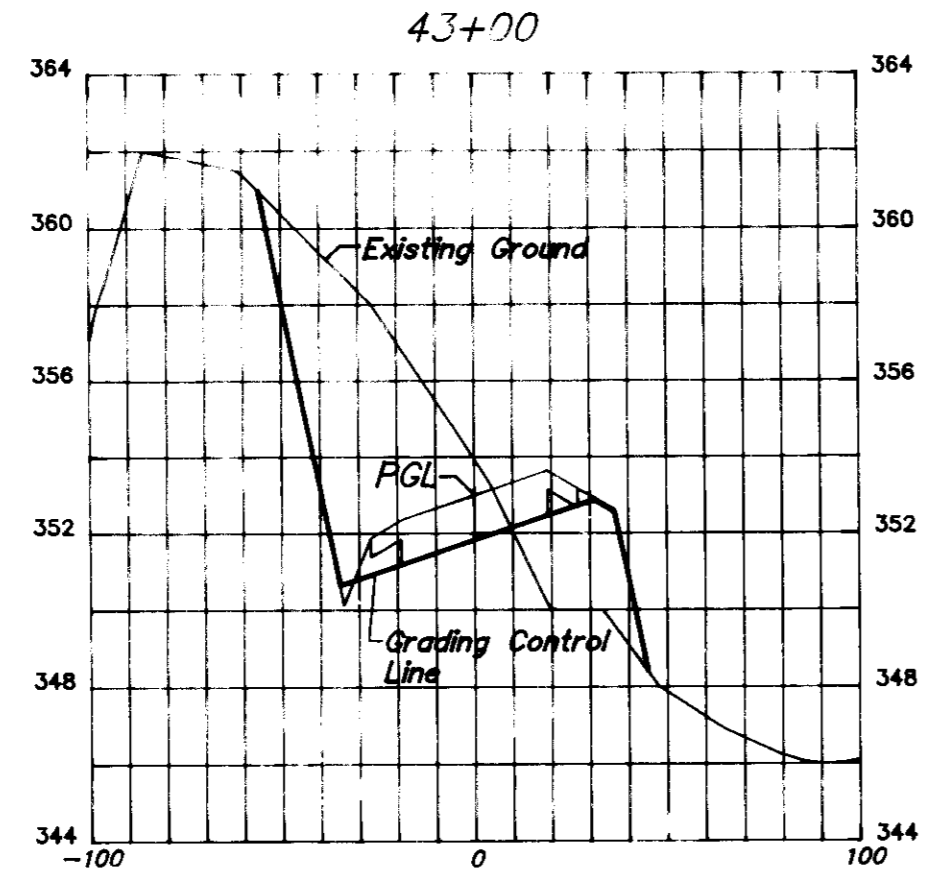
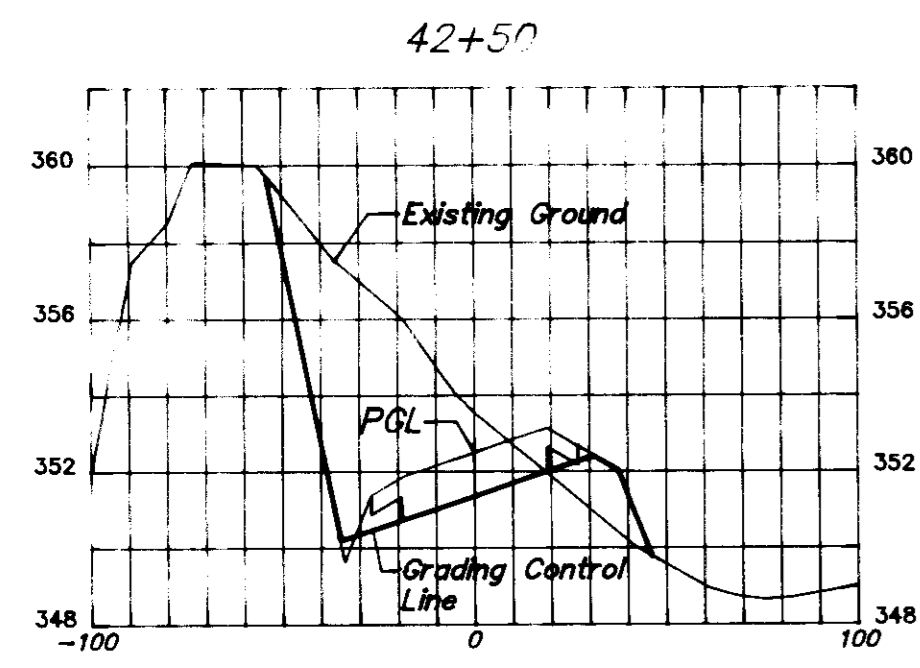
DESIGNED: DPW
 DRAWN: CADD
 CHECKED: B.D.B.
 DATE: 4/95

CROSS SECTIONS
 35+00 to 42+00
 Centre 9500 Parcels P & Q
 Lyndwood Manor Lot 179
 1st Election District
 Howard County, Maryland

SCALE: 1" = 5' V, 1" = 50' H
 DRAWING: 16 of 20
 JOB NO.: 95-006.4
 FILE NO.: SDP 95-77

OWNER: 100 INVESTMENT LIMITED PARTNERSHIP 8835-P COLUMBIA 100 PARKWAY COLUMBIA, MARYLAND 21045
 DEVELOPER: RAMMAKER/OLLIAN L.L.C. 5111 AVOCA AVENUE ELLICOTT CITY, MARYLAND 21043

[Handwritten Signature]
 BRUCE D. BURTON
 4/10/95



SUBDIVISION NAME CENTRE 9500/ LYNDWOOD MANOR		SECTION/AREA P & Q	PARCEL/NO. P 8, Q 179
PLAT NO. 11522, 11523/ 11515	BLOCK NO. 10	ZONE PECB-2/ RSC	TAX MAP NO. 37
ELECTION DISTRICT 1		CENSUS TRACT 6001.02	SEWER CODE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR
 DENISE J. M. WYLLIE
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH
 DATE: 6/15/95

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
 NATURAL RESOURCE CONSERVATION DISTRICT
 DATE: 6/15/95

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: BRUCE D. BURTON
 DATE: 6/10/95

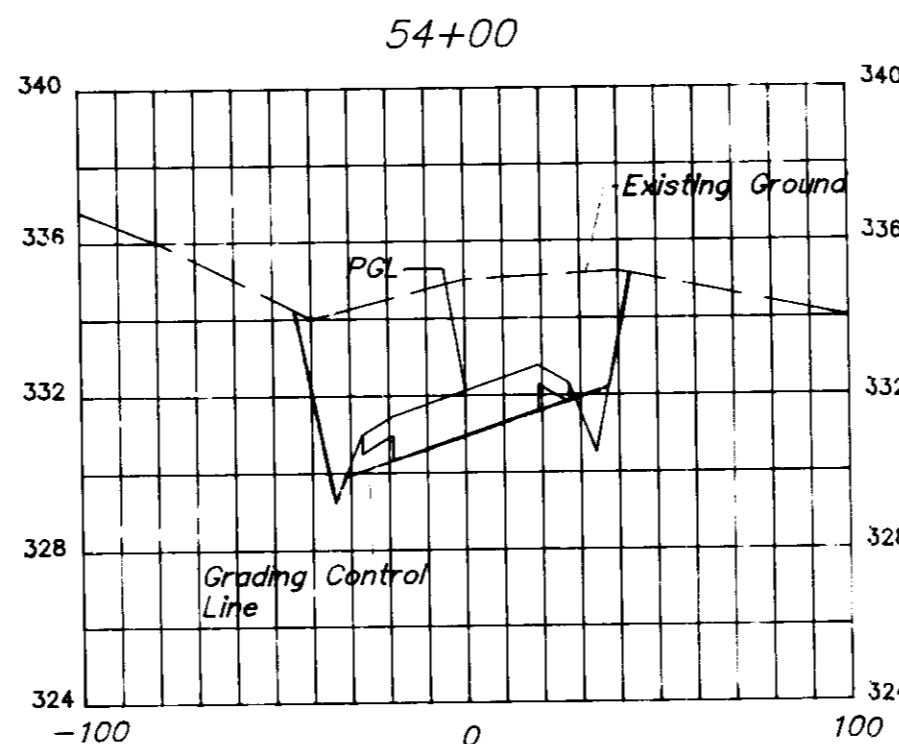
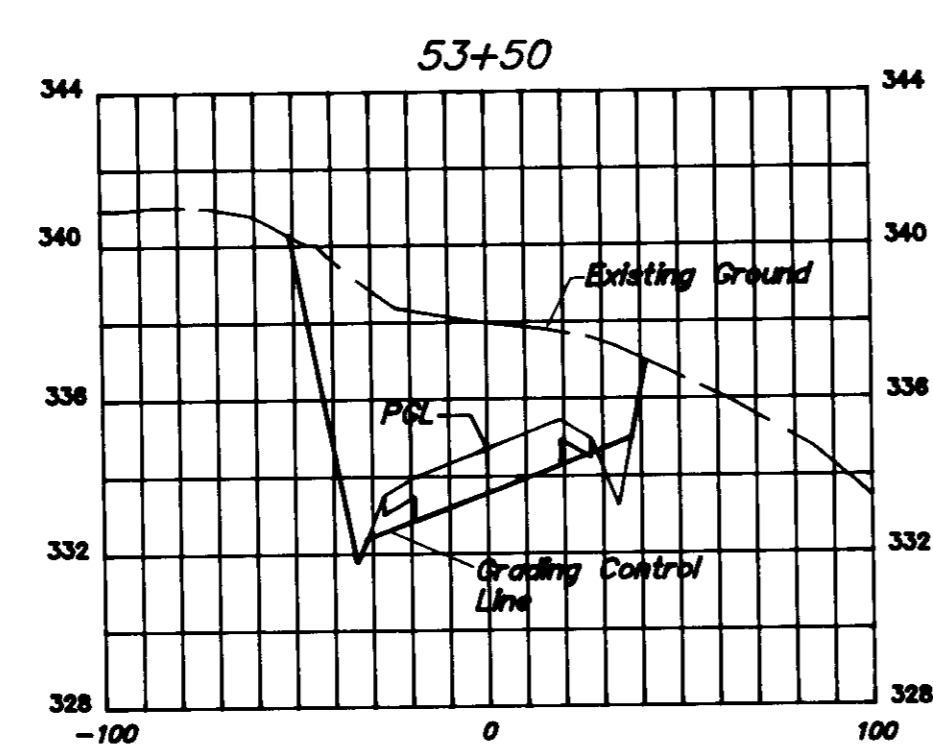
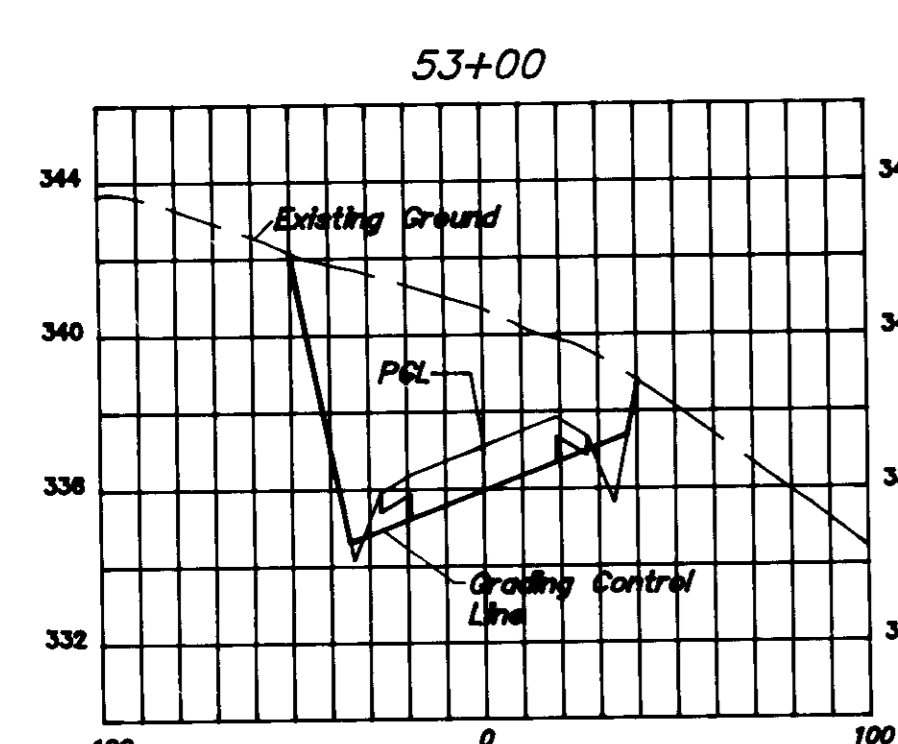
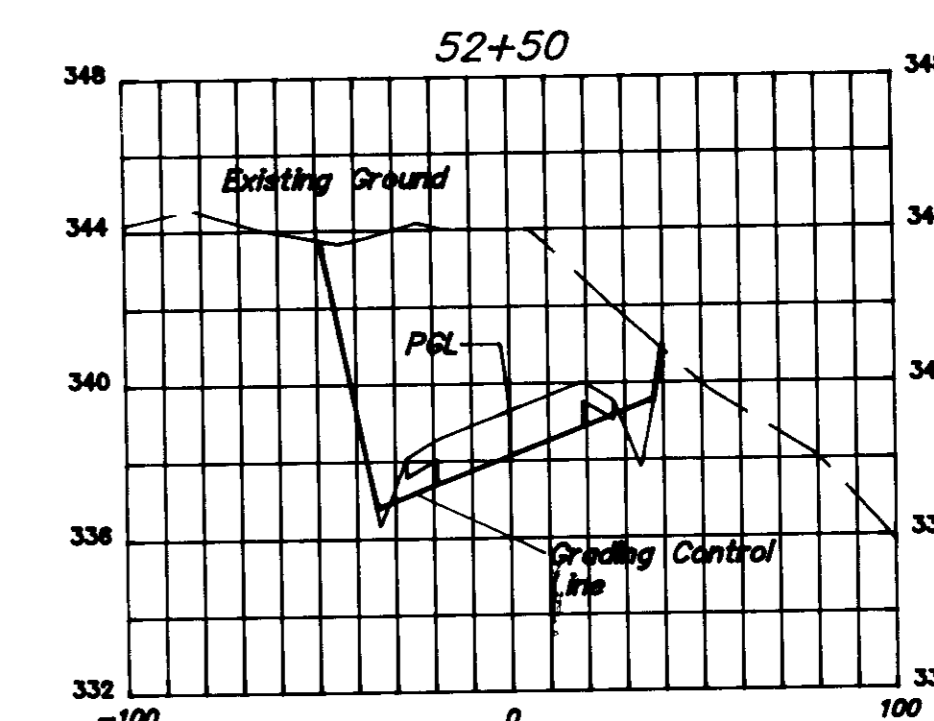
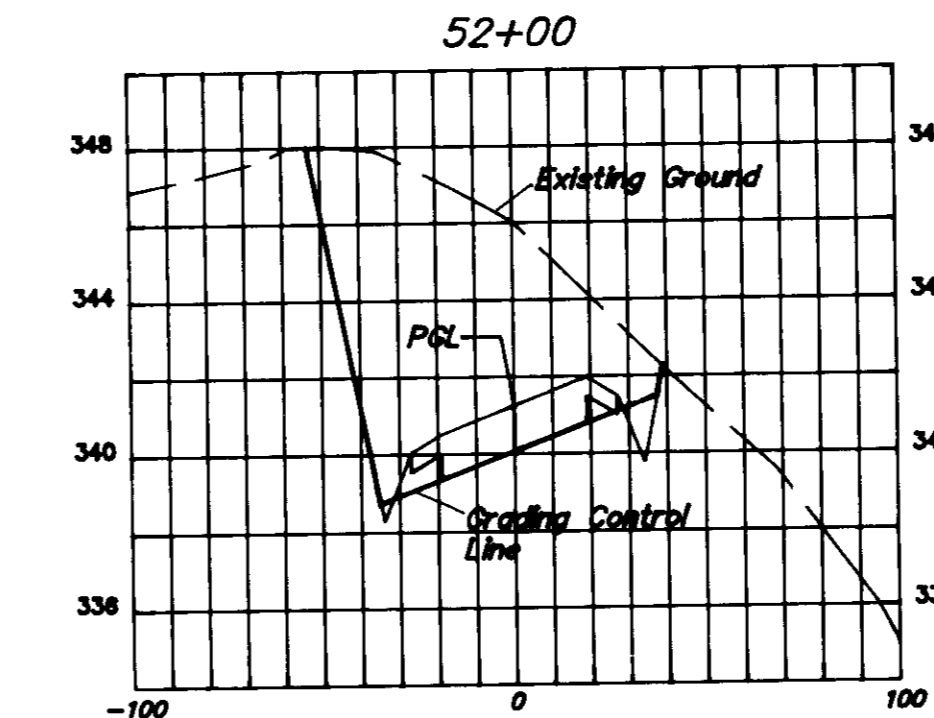
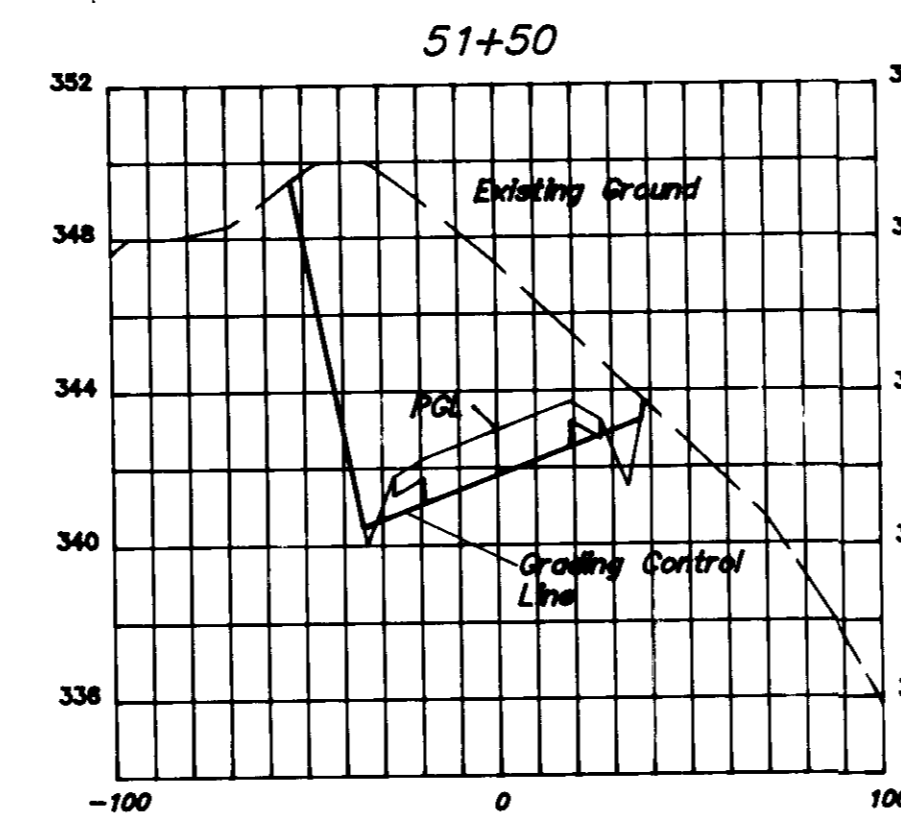
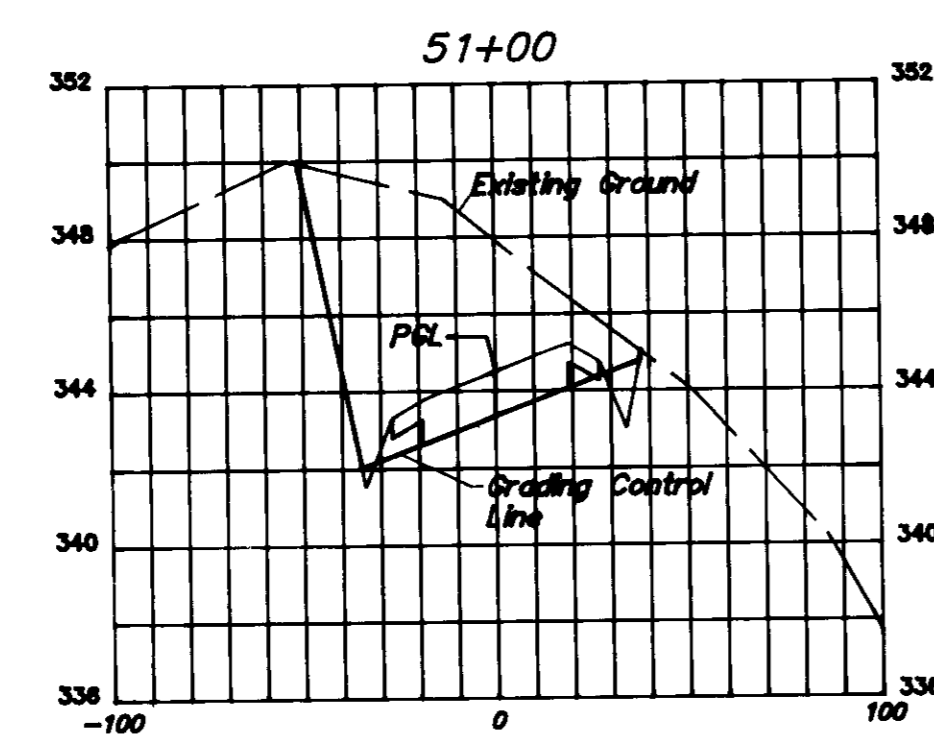
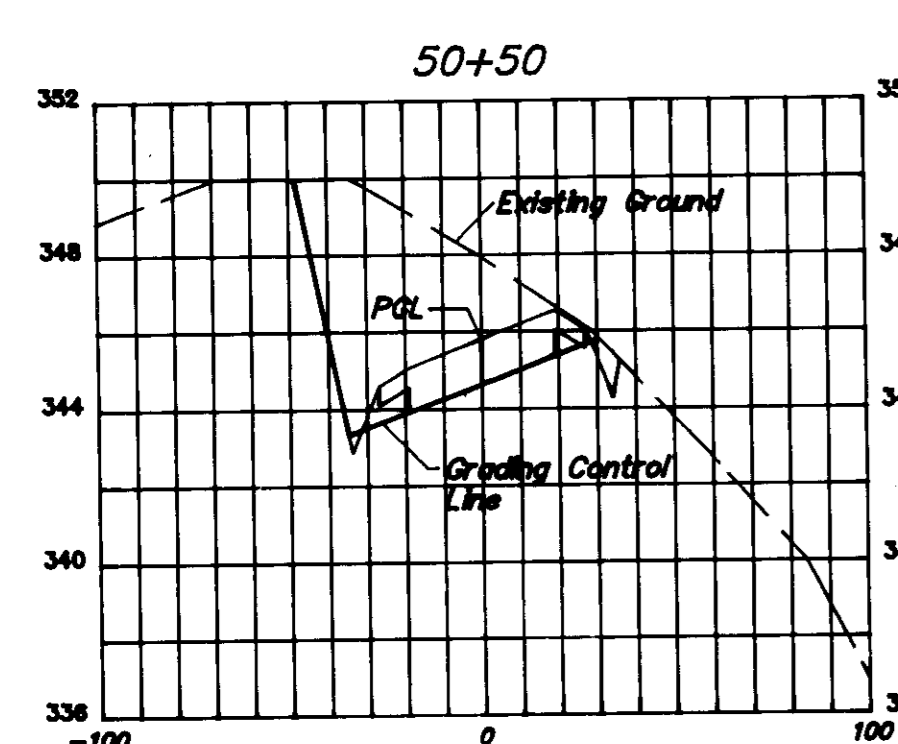
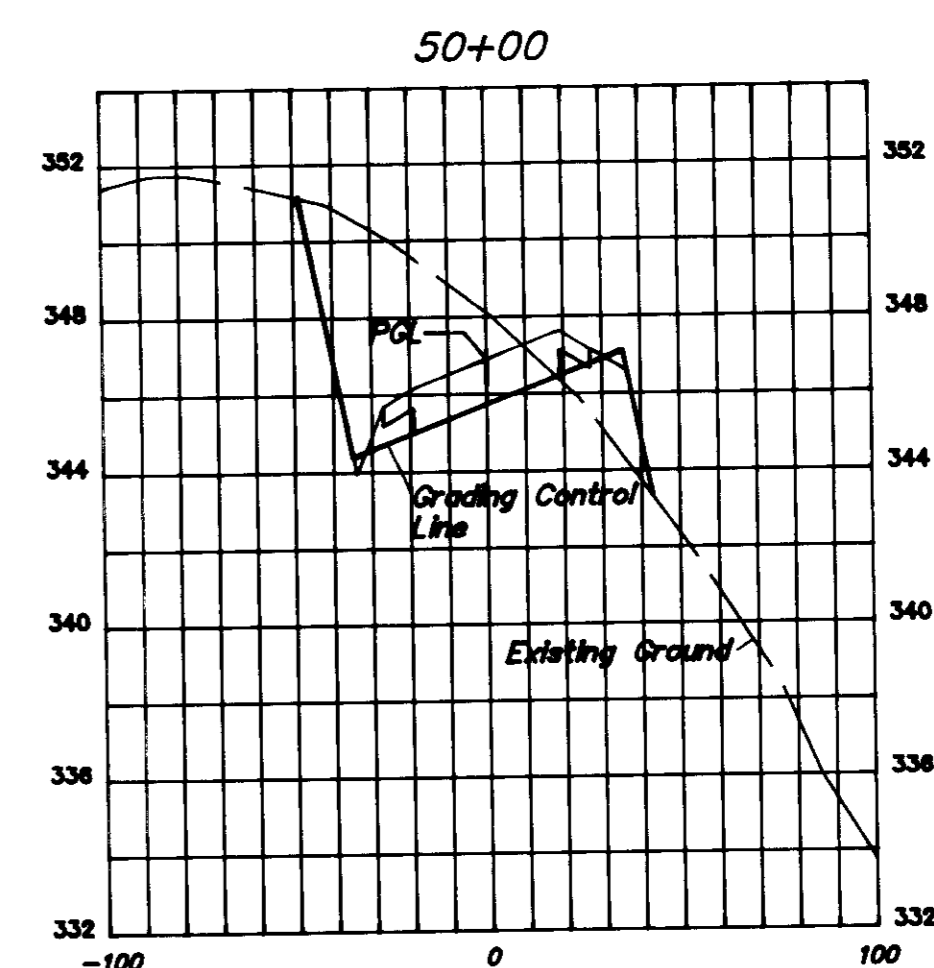
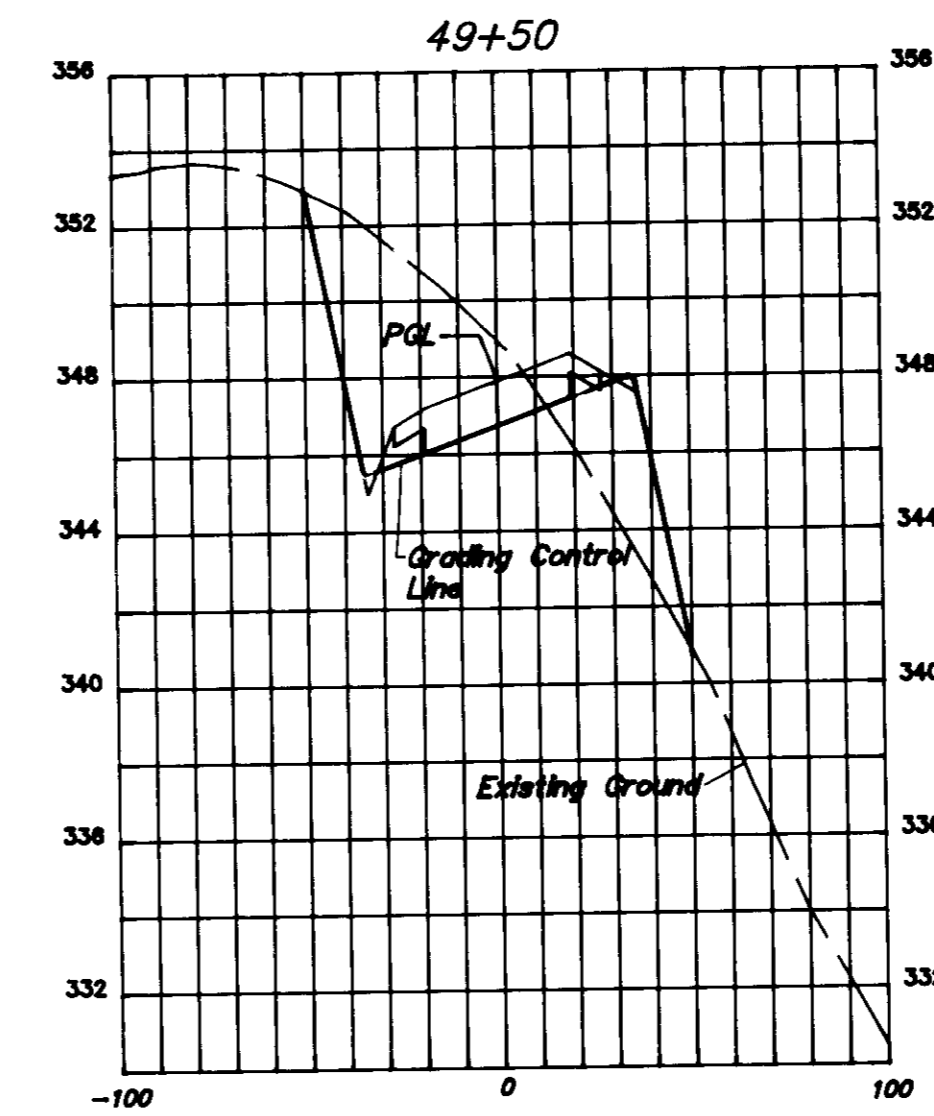
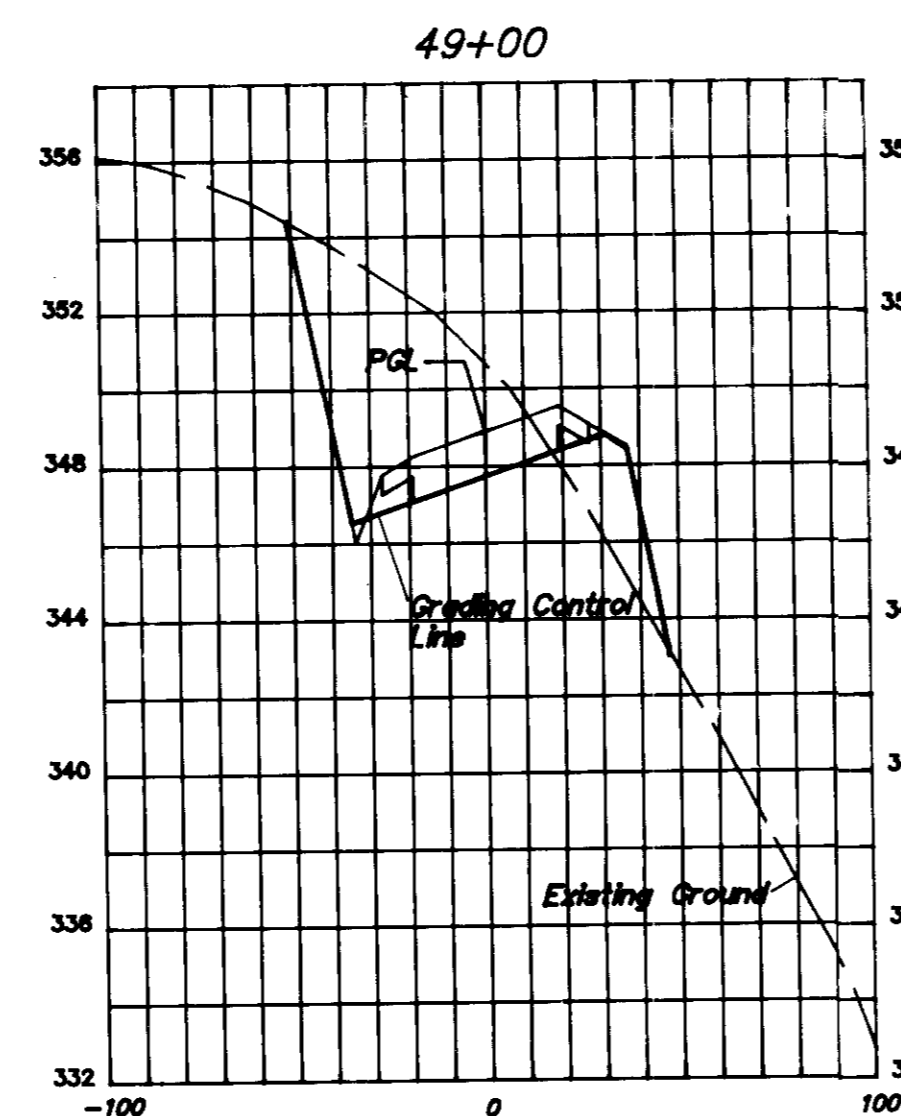
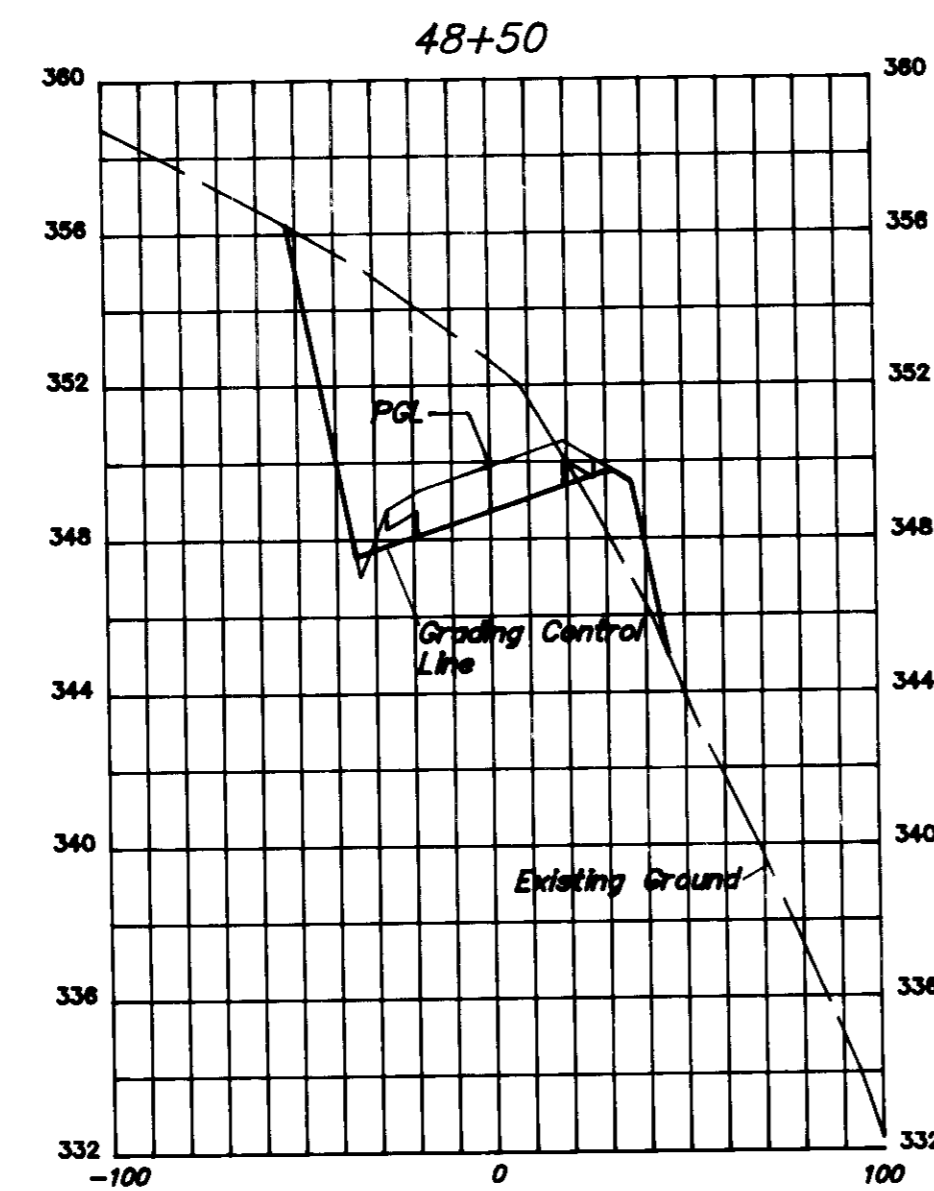
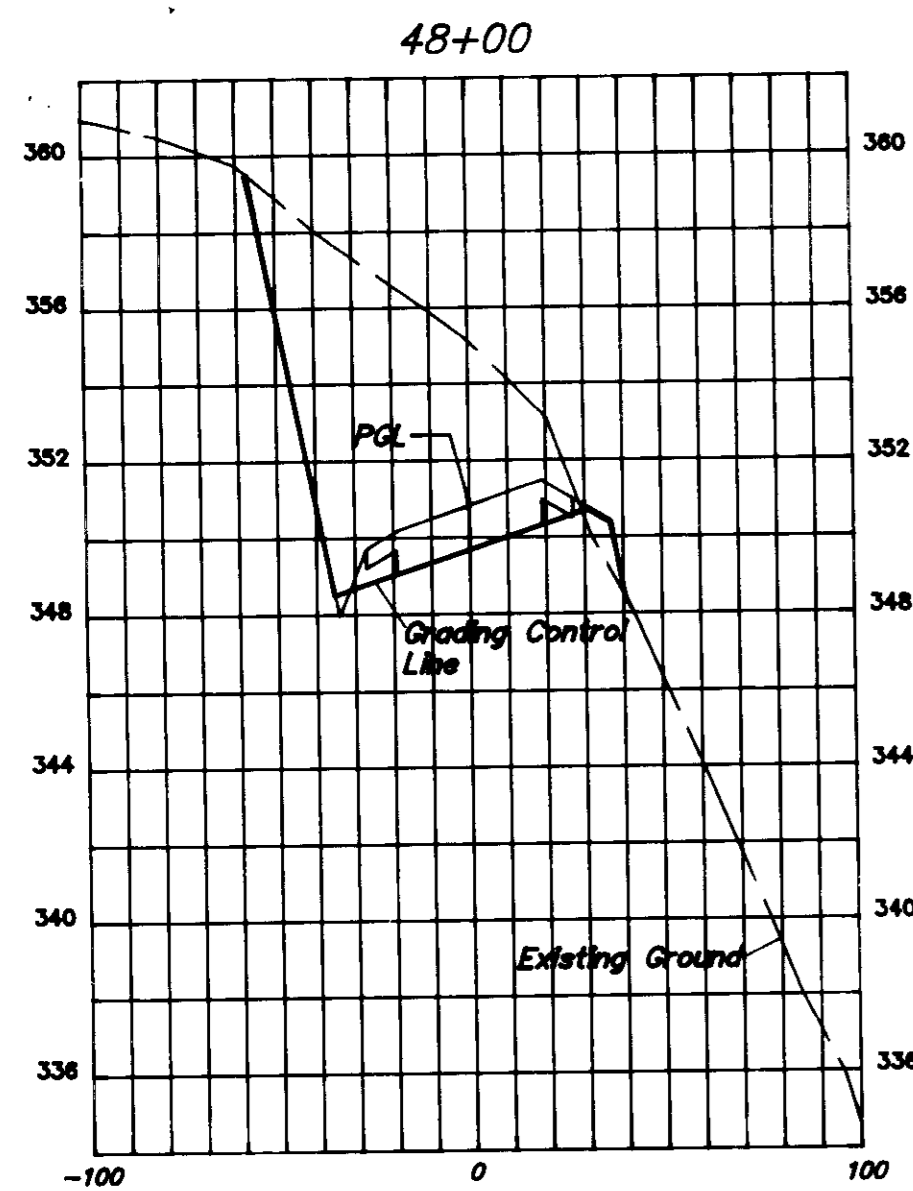
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR
 JAMES P. LEE
 DATE: 6/1/95

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SOIL CONSERVATION DISTRICT
 DATE: 5/31/95

DEVELOPER'S CERTIFICATE
 "I HEREBY 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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."
 SIGNATURE OF DEVELOPER: LEON E. JONES
 DATE: 7/10/95

BRUCE D. BURTON
 6/10/95

DESIGNED DPW			DRAWING 17 of 20
DRAWN CADD			
CHECKED B.D.B.			
DATE 4/95	OWNER: 100 INVESTMENT LIMITED PARTNERSHIP 8835-P COLUMBIA 100 PARKWAY COLUMBIA, MARYLAND 21045	DEVELOPER: RAMANATHAN MULLAN L.L.C. 3111 AVONCA AVENUE ELLICOTT CITY, MARYLAND 21043	FILE NO. SDP 95-77



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR: *[Signature]* 4/2/95
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 6/1/95
[Signature] 5/31/95
 DIRECTOR OF SDP

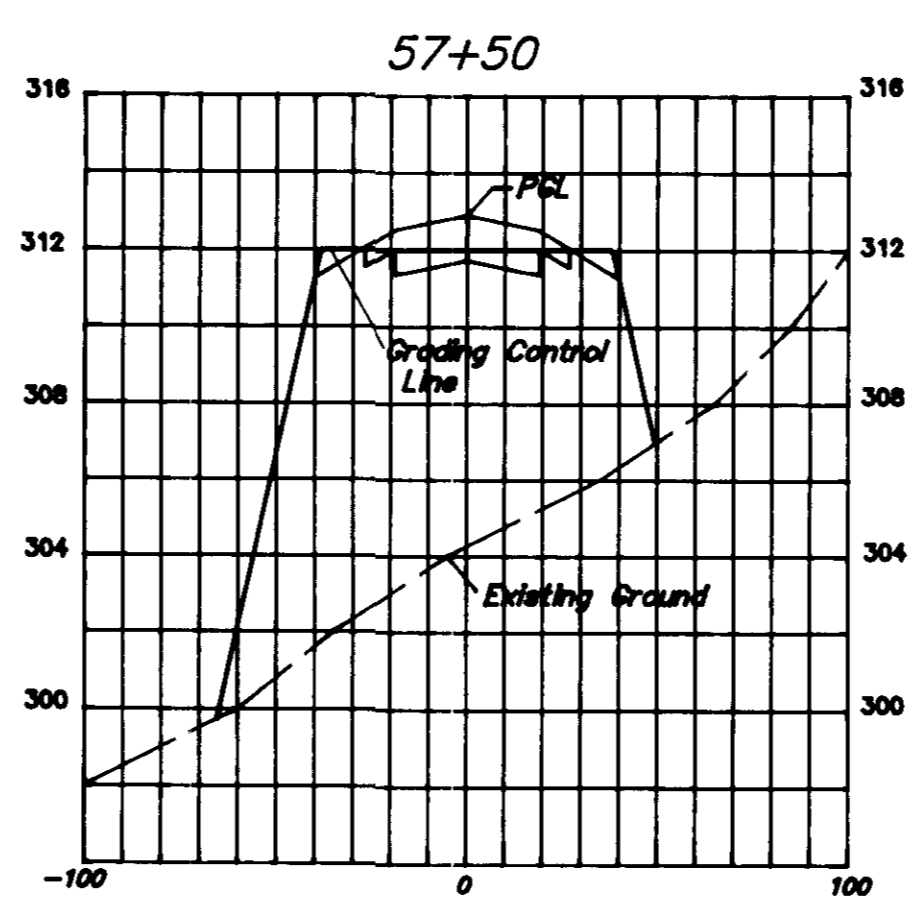
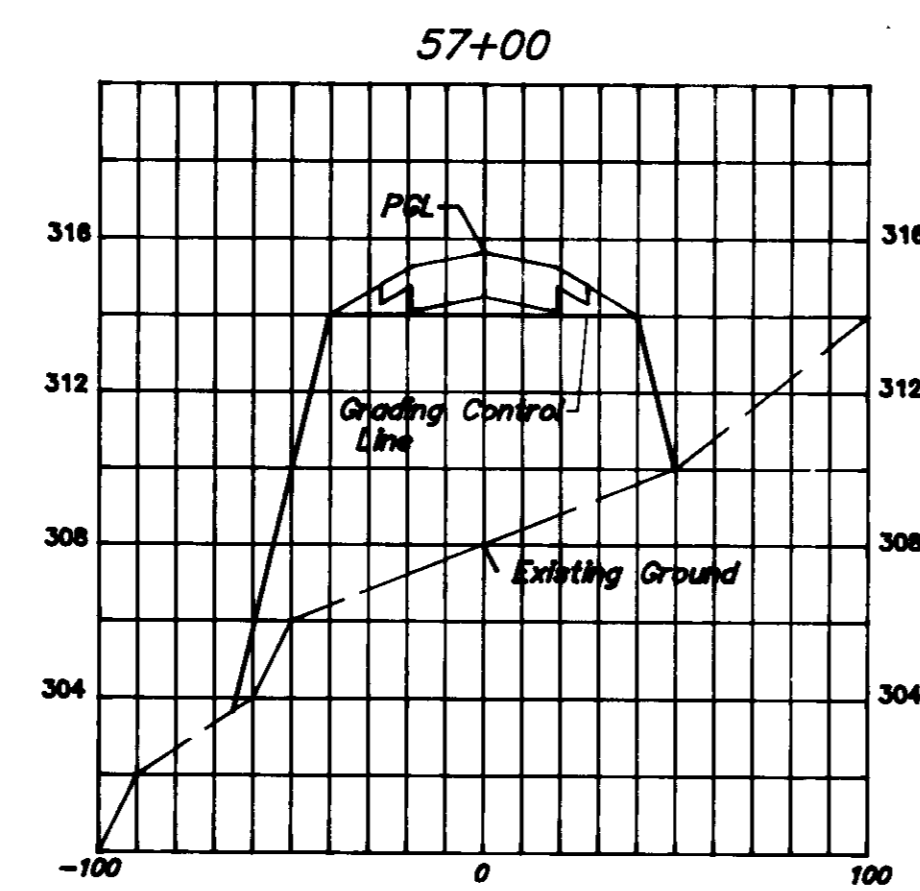
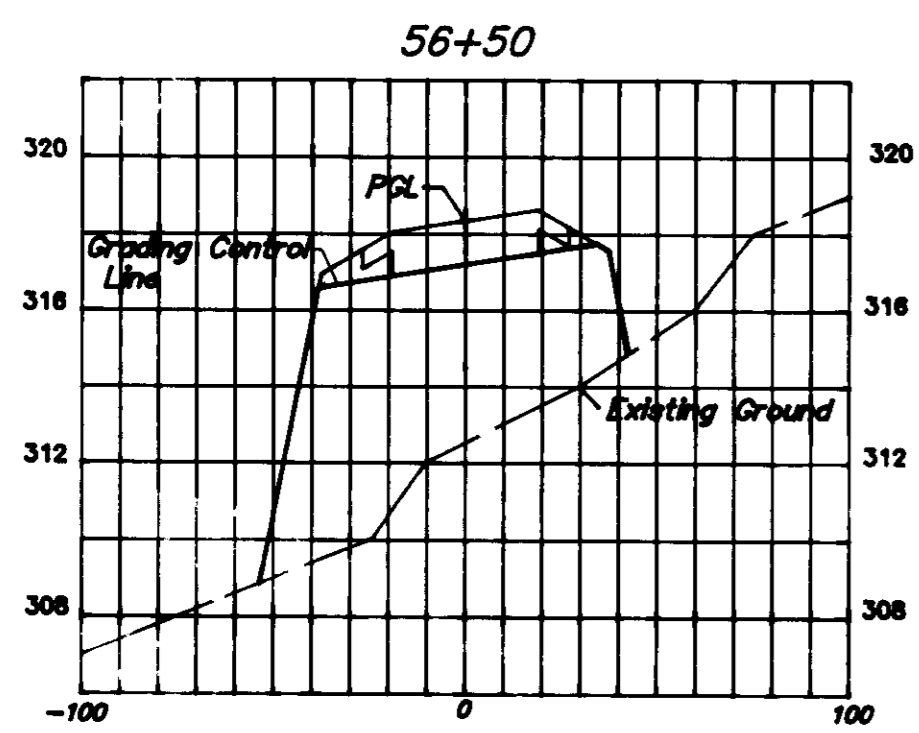
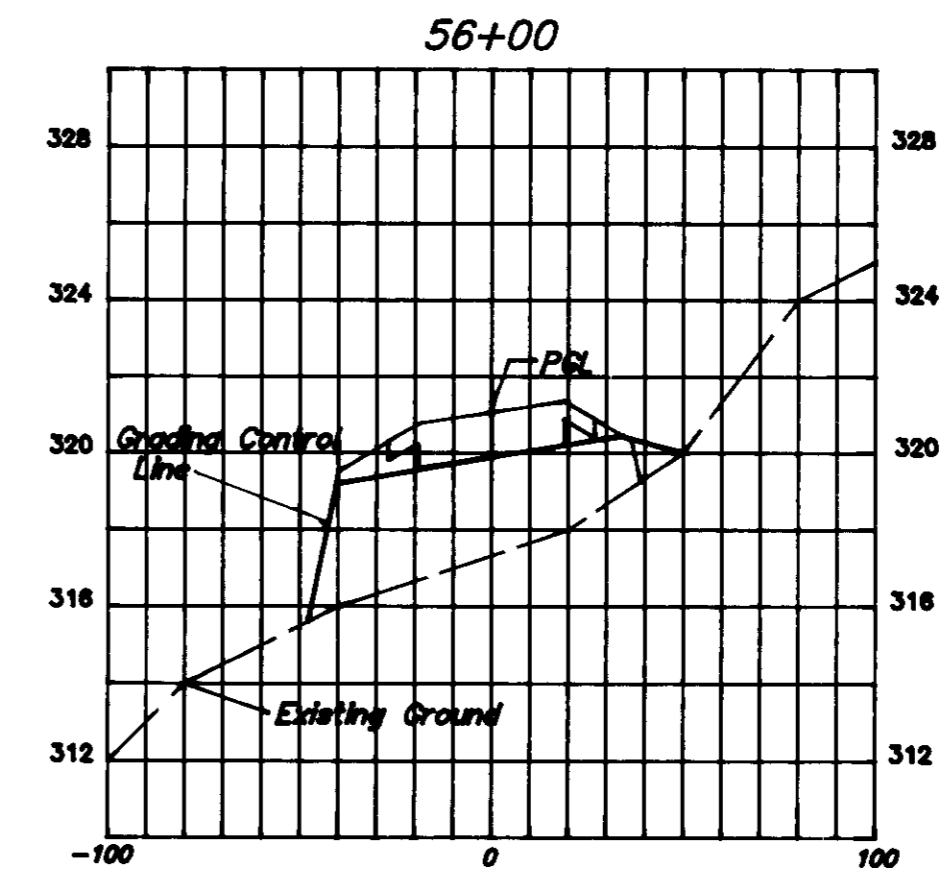
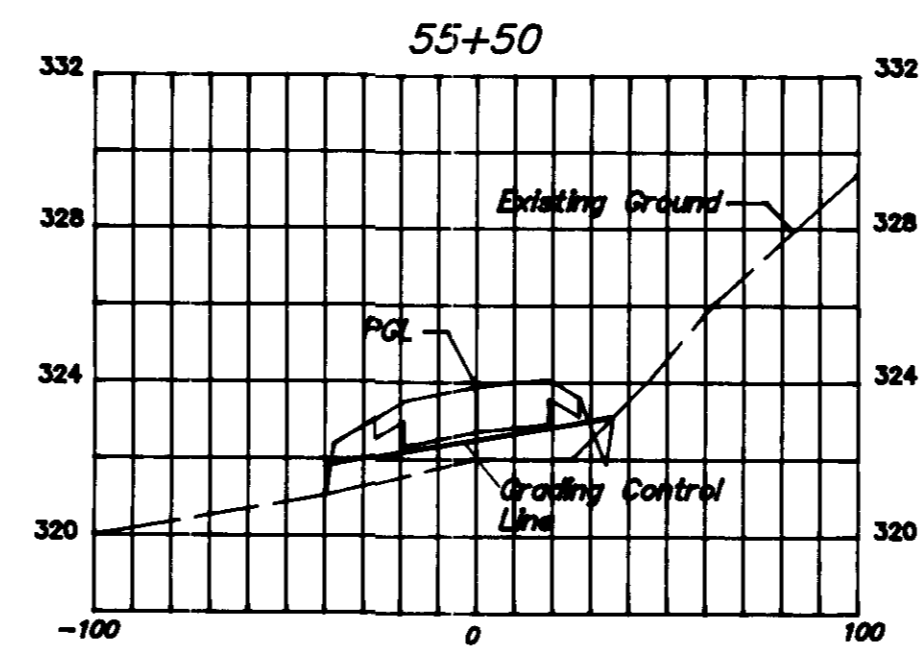
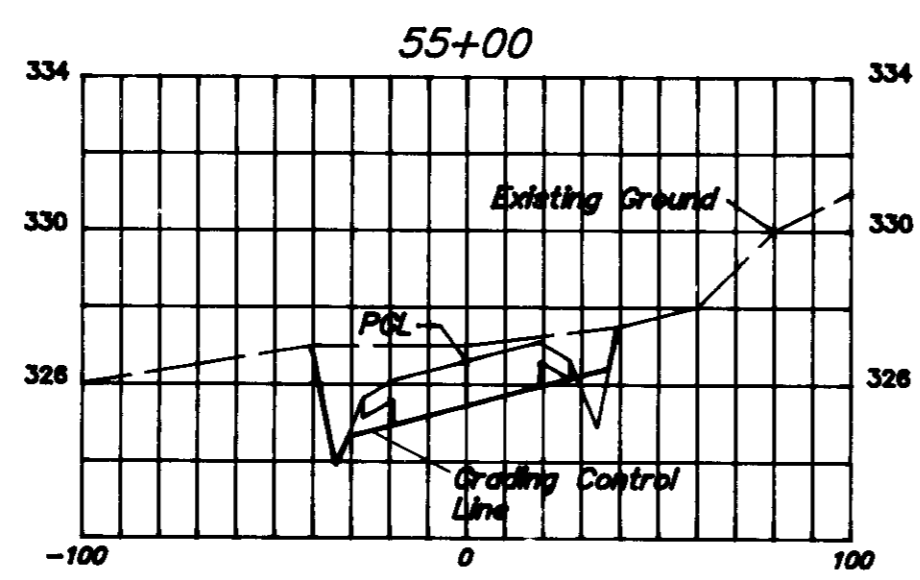
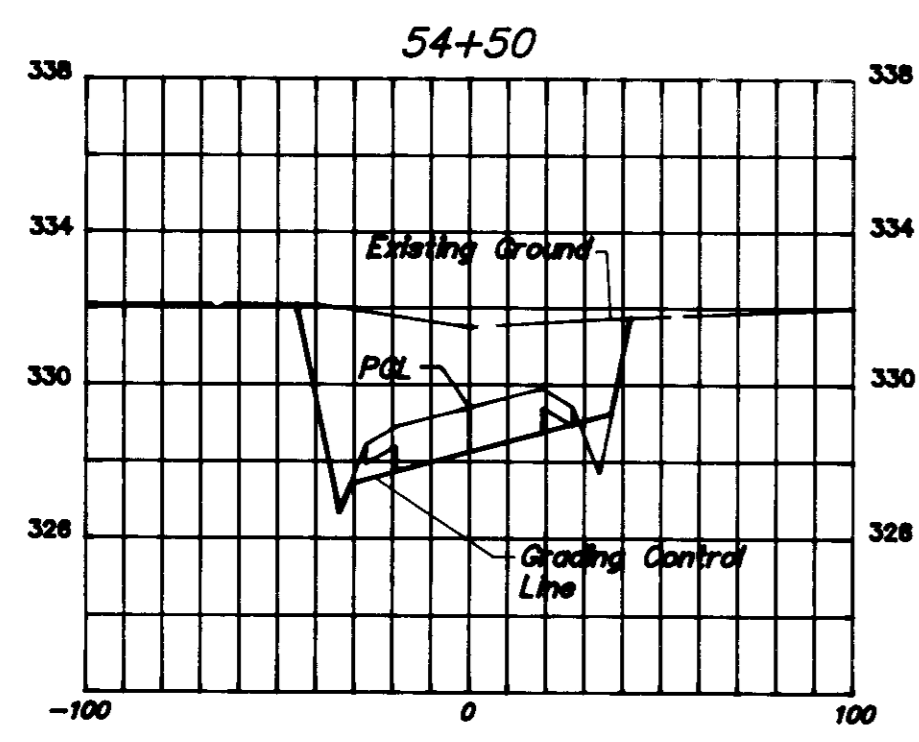
THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
 NATURAL RESOURCE CONSERVATION DISTRICT
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SOIL CONSERVATION DISTRICT

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. BURTON 4/10/95
 SIGNATURE OF ENGINEER DATE
DEVELOPER'S CERTIFICATE
 "I HEREBY 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 EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."
[Signature] 4/10/95
 SIGNATURE OF DEVELOPER DATE

SUBDIVISION NAME CENTRE 9500/ LYNDWOOD MANOR		SECTION/AREA P & Q	PARCEL NO. P. 179
PLAT NO. 11522/1523/ 11515	BLOCK NO. 10	ZONE REC-B-2/ RSC	TAX MAP NO. 37
WATER CODE		ELECTION DISTRICT 1	CENSUS TRACT 8001.02
SEWER CODE			

LDE, INC. 8835 Columbia 100 Parkway, Unit N, Columbia, MD. 21045 (410) 715-1070 (301) 596-3424 (410) 715-0681 (Fax)			
DESIGNED DPW	CROSS SECTIONS 48+00 to 54+00 Centre 9500 Parcels P & Q Lyndwood Manor Lot 179 1st Election District Howard County, Maryland		SCALE 1" = 5' V. 1" = 50' H.
DRAWN CADD			DRAWING 18 of 20
CHECKED B.D.B.			JOB NO. 95-006.4
DATE 4/95	OWNER: 100 INVESTMENT LIMITED PARTNERSHIP 8835-P COLUMBIA 100 PARKWAY COLUMBIA, MARYLAND 21045	DEVELOPER: RAMMAYER/KOLLIAN L.L.C. 5111 AVOCA AVENUE ELLCOTT CITY, MARYLAND 21043	FILE NO. SDP 95-77

[Handwritten Signature]
 BRUCE D. BURTON
 4/10/95



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[Signature] 4/10/95
 DIRECTOR DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
 NATURAL RESOURCE CONSERVATION DISTRICT DATE

ENGINEER'S CERTIFICATE
 "I HEREBY CERTIFY THAT THE 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] 4/10/95
 SIGNATURE OF ENGINEER DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 5/31/95
 DIRECTOR DATE

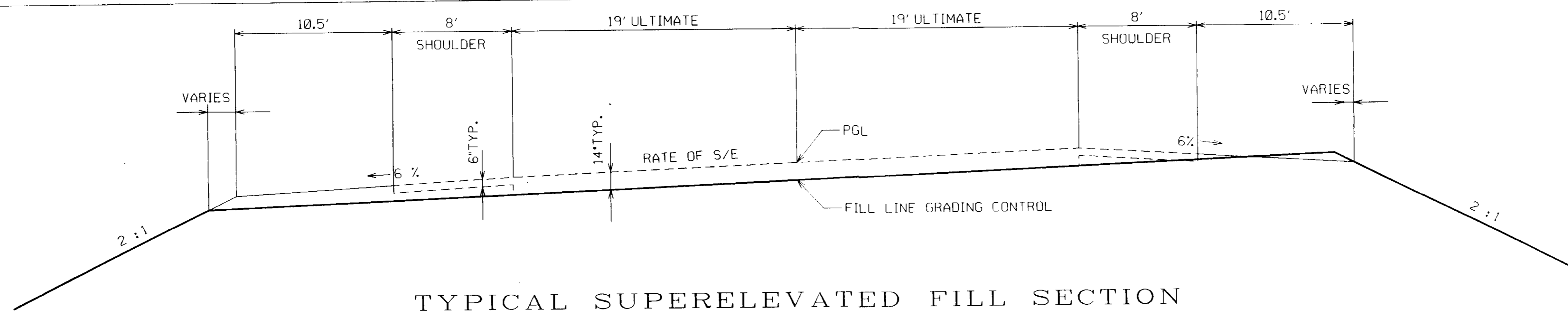
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SOIL CONSERVATION DISTRICT DATE

DEVELOPER'S CERTIFICATE
 "I HEREBY 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 REQUIRED CONSTRUCTION INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."
[Signature] 4/10/95
 SIGNATURE OF DEVELOPER DATE

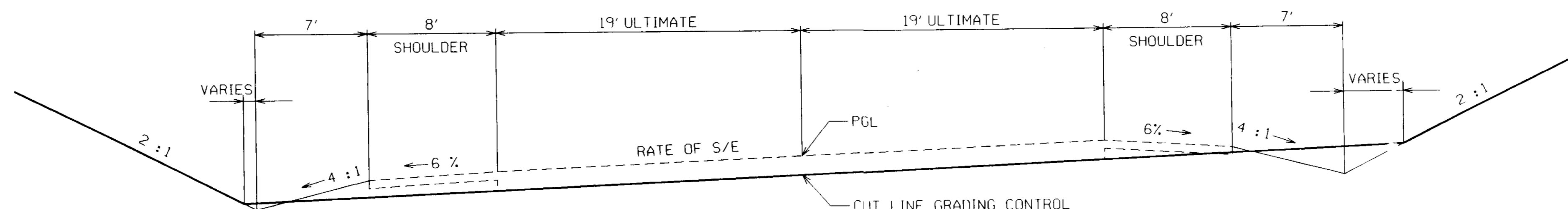
SUBDIVISION NAME CENTRE 9500/ LYNDWOOD MANOR		SECTION/AREA 1/1	PARCEL NO. P 18 Q
PLAT NO. 11522, 11523/ 11515	BLOCK NO. 10	TAX MAP NO. REC-2/ RSC	ELECTION DISTRICT 37
WATER CODE		1	CENSUS TRACT 8001.02
SEWER CODE			

LDE, INC. 8835 Columbia 100 Parkway, Unit N, Columbia, MD. 21045 (410) 715-1070 (301) 596-3424 (410) 715-0681 (Fax)		
DESIGNED DPW	CROSS SECTIONS 54+50 to 57+50 Centre 9500 Parcels P & Q Lyndwood Manor Lot 179 1st Election District Howard County, Maryland	SCALE 1" = 5' V. 1" = 50' H.
DRAWN CADD		DRAWING 19 of 20
CHECKED B.D.B.		JOB NO. 95-006.4
DATE 4/95	OWNER: 100 INVESTMENT LIMITED PARTNERSHIP 2830 P COLUMBIA 100 PARKWAY COLUMBIA, MARYLAND 21045	DEVELOPER: BANKWATER/ELLIAM L.L.C. 3111 AVOCIA AVENUE ELLCOTT CITY, MARYLAND 21043
		FILE NO. SDP 95-77

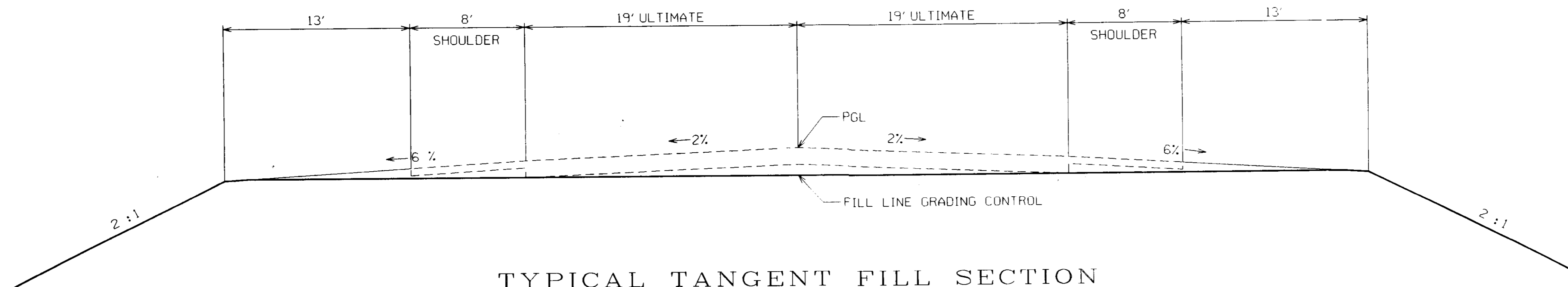
[Signature] 4/10/95
 PROFESSIONAL ENGINEER



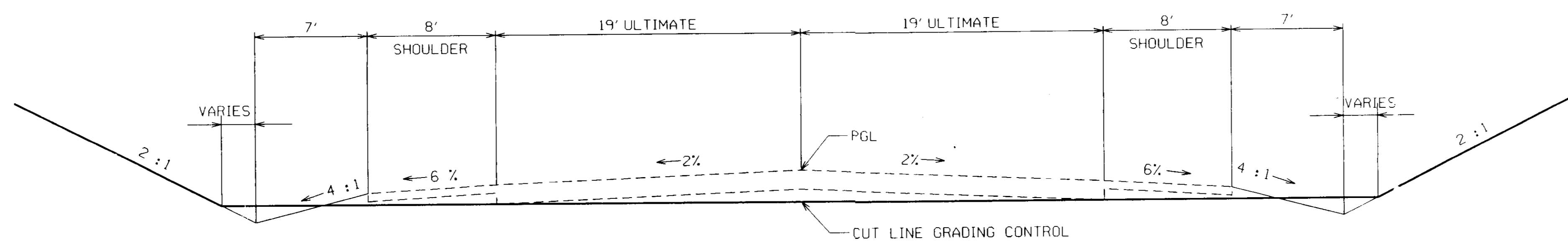
TYPICAL SUPERELEVATED FILL SECTION



TYPICAL SUPERELEVATED CUT SECTION



TYPICAL TANGENT FILL SECTION



TYPICAL TANGENT CUT SECTION

SUBDIVISION NAME		CENTRE 9500/ LYNDWOOD MANOR	SECTION/AREA	PARCEL/NO.
PLAT NO.		11522, 11523/ 11515	TAX MAP NO.	ELECTION DISTRICT
BLOCK NO.		10	37	1
ZONE		PEC-2/ RSC	CENSUS TRACT	
WATER CODE		8001.02		
SEWER CODE				

DESIGNED		DPW	SCALE
DRAWN		CADD	1" = 5' V. 1" = 5' H.
CHECKED		B.D.B.	DRAWING
DATE		4/95	20 of 20
OWNER:		100 INVESTMENT LIMITED PARTNERSHIP 100 PARKWAY COLUMBIA, MARYLAND 21046	JOB NO.
DEVELOPER:		RAMMACH/WILLIAM L.L.C. 8111 AVOCA AVENUE ELLCOTT CITY, MARYLAND 21045	95-006.4
FILE NO.		SDP	
		95-77	

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Joseph R. Reuther
DIRECTOR
DATE: 4/95

Debra V. A. Campbell
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH
DATE: 4/95

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

James P. Lewis
DIRECTOR
DATE: 5/31/95

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

NATURAL RESOURCE CONSERVATION DISTRICT
DATE: 6/95

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT
DATE: 6/95

ENGINEER'S CERTIFICATE

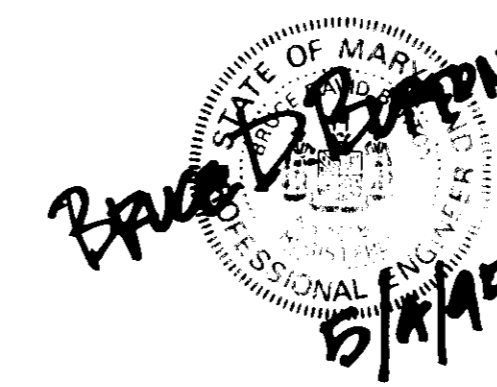
"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS, AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

BRUCE D. BATTEN
SIGNATURE OF ENGINEER
DATE: 5/4/95

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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Scott E. Adams
SIGNATURE OF DEVELOPER
DATE: 5/4/95



SDP-95-77