

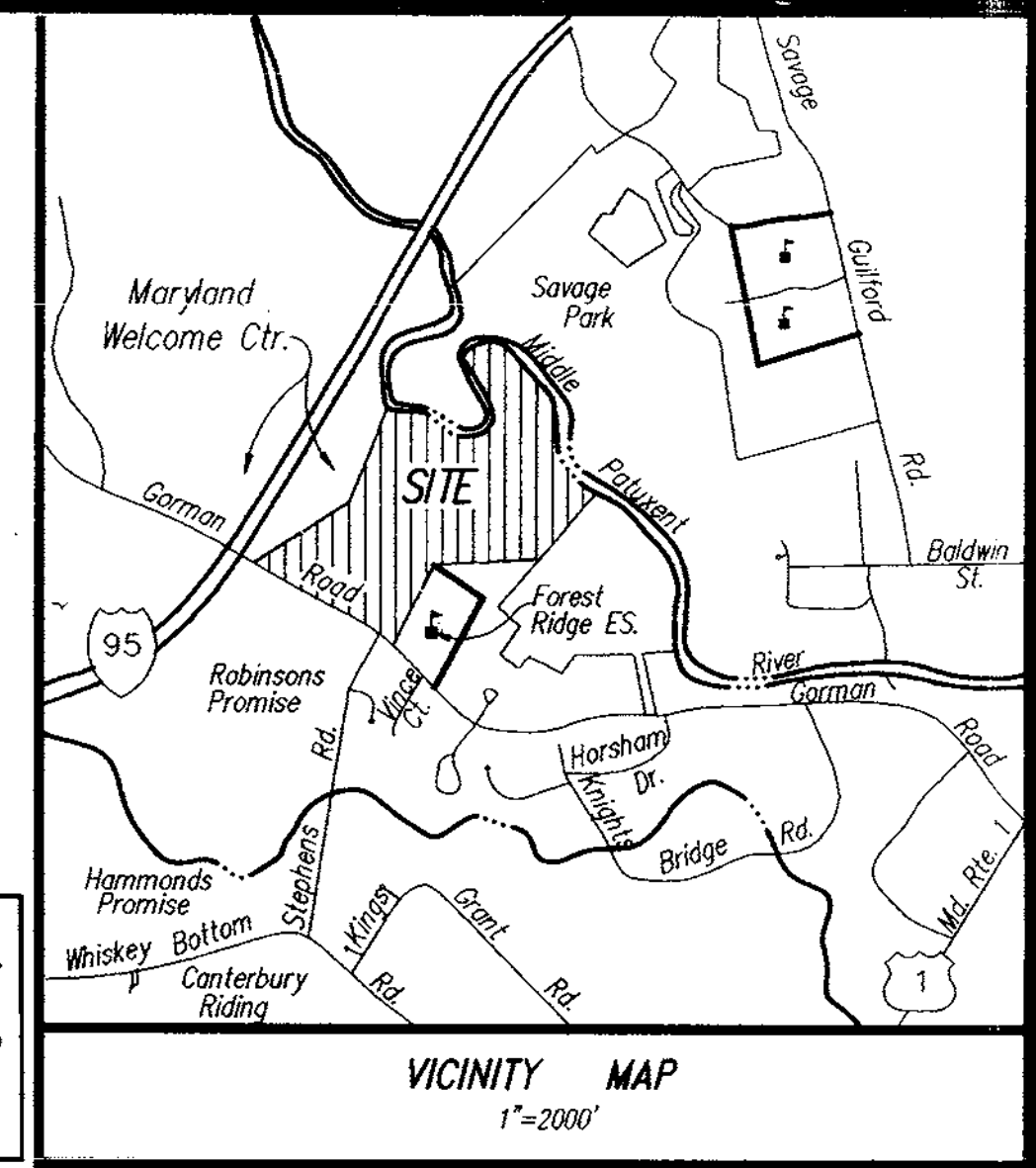
General Notes

- Zoning: RE-D
- The previous Department of Planning and Zoning file numbers: S 00-13, WP 00-88, WP 00-126, WP 01-00, WP 01-07, & WP 01-07
- Wetland, stream, steep slope, and forest cover delineation by Daft, McCune, and Walker.
- This project is in conformance with the latest Howard County standards unless waivers have been approved.
- The Cemetery Inventory Maps do not show any cemeteries within the project limits.
- The Scenic Roads Map does not indicate any scenic roads within or adjacent to the project limits.
- Total Area: 137.5 Acres
Flood Plain Area: 7.13 Acres
Steep Slopes Area: 8.3 Acres
Net Area: 112.1 Acres
Maximum allowable density: 2 units per acre (224)
Proposed density: 2 units per acre (224 units)
- Number of Lots Proposed:
Single Family Detached: 69 lots
Single Family Attached: 37 lots (20 acres)
Total: 106 lots
Open Space: 9 lots
Bulk Parcels: 4 lots (A thru D) (118 Future Units)
- Open Space Requirements:
Total Open Space Required: 34.4 Acres (25% of gross area)
Total Open Space Provided: 97.9 Acres (71% of gross area)
- Recreation Open Space Requirements:
Project Requirements:
SFD: 69 lots x 250 s.f./unit = 17,250 s.f. or 0.40 acres
SFA: 155 units x 200 s.f./unit = 31,000 s.f. or 0.71 Acres (as Proposed Units & 118 Future Units)
Total Required: 0.57 Acres
Total Recreation Open Space Provided: 1.11 Acres
- Parking Requirements:
Total Parking Required: 106 units x 2 spaces/unit = 212 Spaces
Total Parking Provided:
Garages: 212 Spaces (2 ea. SFD & 2ea SFA)
Surface: 29 Spaces
Total: 241 Spaces
- Topography indicated was taken from aerial topography prepared during the summer of 1998 for Daft, McCune, and Walker.
- Existing utilities were taken from available Howard County records.
- This property is within the Metropolitan District.
- Public water and sewer to be utilized:
Existing Water Contract Number: 257-W
Existing Sewer Contract Number: 720-S
- Horizontal and vertical datum is based on Howard County Stations 21941003 and 21941004.
- Sediment and erosion control measures will be included with Final Plans and Site Development Plans.
- See Conceptual Grading Plan for stormwater management locations.
- The 100-year flood plain information was taken from available records at Development Engineering Division of the Department of Planning and Zoning.
- Traffic Study was prepared and submitted as part of the sketch plan.
- Street trees will be provided per the subdivision regulations at the Final Plan stage.
- Noise study is by Century Engineering, Inc. The findings of the report are that mitigation of the existing 65 dBA noise contour is not required.

PRELIMINARY PLAN

STONE LAKE

Sheets 1, 9 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed areas on Open Space Lots 109 and 112 due to the grading around the quarry required by the Howard Soil Conservation District.



Minimum Lot Size Chart

Lot No.	Green Area	Pipestream Area	Net Lot Area
20	10,150 sf.	347.5 sf.	9,802.5 sf.
21	11,750 sf.	457.5 sf.	11,292.5 sf.
22	12,575 sf.	405.0 sf.	12,170.0 sf.
23	12,700 sf.	77.5 sf.	12,622.5 sf.

SHEET INDEX

- COVER SHEET
- PRELIMINARY PLAN (ZERO LOT LINE LOTS 53-69)
- PRELIMINARY PLAN (SF LOTS 1-10 & 45-69)
- PRELIMINARY PLAN (SF LOTS 11-17 & 25-44)
- PRELIMINARY PLAN (SF LOTS 18-24)
- PRELIMINARY PLAN (TH LOTS 70-106)
- PRELIMINARY PLAN (BULK PARCEL B)
- PRELIMINARY PLAN (BULK PARCELS A, C & D)
- GRADING PLAN (Zero Lot Line Lots 53-69)
- GRADING PLAN (SF LOTS 1-10 & 45-69)
- GRADING PLAN (SF LOTS 11-17 & 25-44)
- GRADING PLAN (SF LOTS 18-24)
- GRADING PLAN (TH LOTS 70-106)
- GRADING PLAN (BULK PARCEL B)
- GRADING PLAN (BULK PARCELS A, C, & D)
- Preliminary Landscape Concept Plan
- Thru 23, Forest Conservation Plans

LEGEND

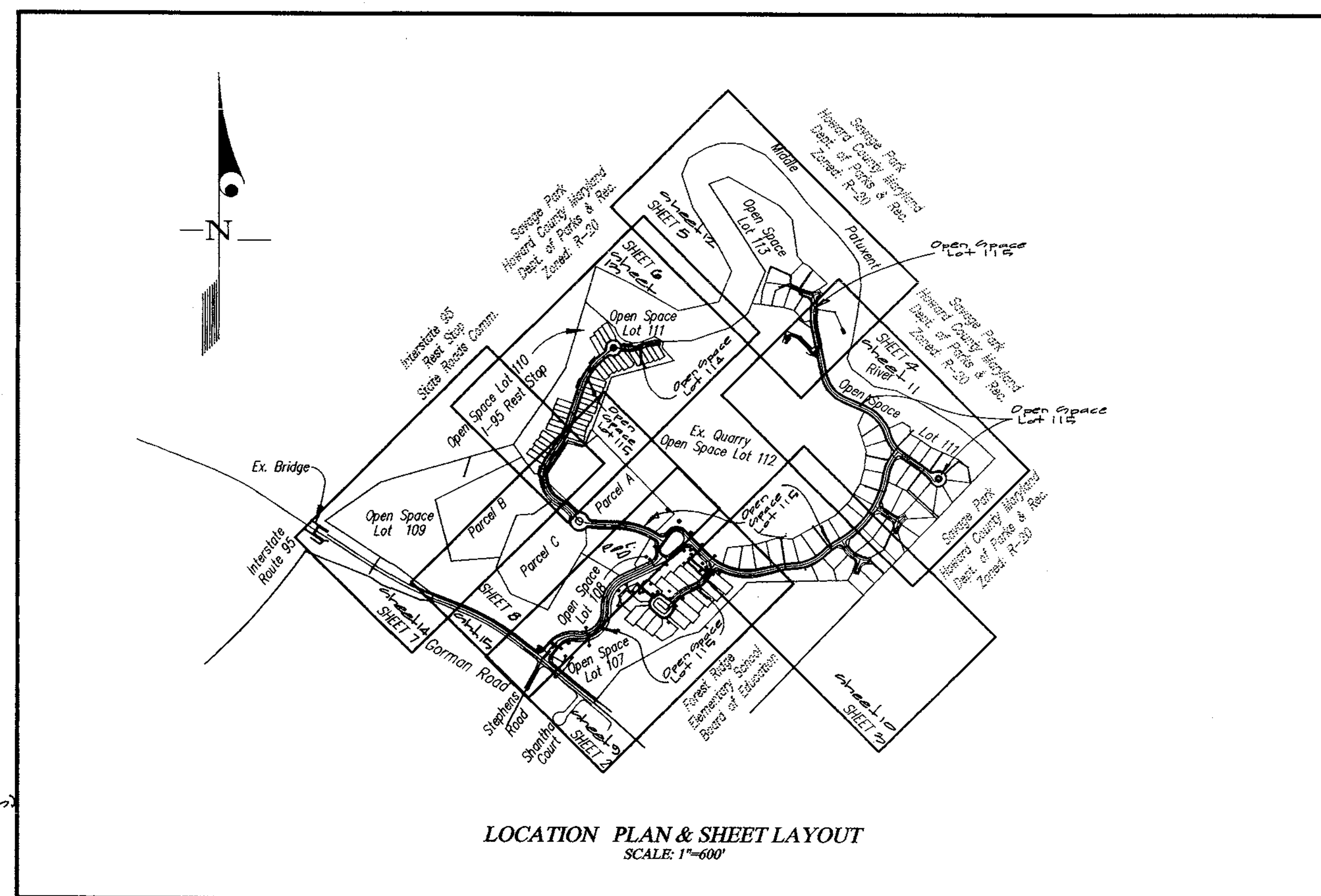
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DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY

David Katz
PLANNING DIRECTOR

2/14/02
DATE

- STEEP SLOPES (25% OR GREATER)
- STREAM BUFFER
- WETLAND BUFFER
- 100 YR FLOOD PLAIN
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING TREE LINE
- LIMIT OF SUBMISSION
- LIMIT OF DISTURBANCE
- PROPOSED SIDEWALK
- EXISTING PAVING
- RECREATION FACILITY
- structure setback Line

On April 9, 2001, WP 01-04, waiver of sections 16.116(b)(1) and (2) was granted which prohibits grading and clearing on steep slopes over 25% and greater than 25,000 square feet in contiguous steep slopes subject to three conditions. The approval of the waiver allows grading on steep slopes on Lots 23 and 24.



- On August 11, 2000, WP 00-126; waiver of Section 16.144 (c)(2) and 16.144(3) was granted which requires that a Developer submit additional information to the SRC within 45 days of receiving notices to do so or the plan will be denied, subject to one condition in the approval letter.
- On August 11, 2000, WP 00-88; waiver of Section 16.116 b(1) and (2) was granted which prohibits grading or clearing on steep slopes over 25% if the contiguous area is more than 20,000 square feet; and section 16.116(c), was granted, which prohibits grading or clearing in wetlands, wetland buffers, streams, stream buffers and floodplains, subject to five conditions in the approval letter.
- Minimum distances between SFA Buildings:
A. Face to Face: 30'
B. Face to side/rear to side: 30'
C. Side to side: 15'
D. Rear to rear: 60'
E. Rear to face: 100'
- Minimum lot size requirement:
A. Single family detached dwellings: 6000 sq. ft.
B. Zero lot line dwellings: 4000 sq. ft.
- Minimum lot width at BRL:
A. Single family detached dwellings: 50'
B. Zero lot line dwellings: 40'
- Minimum distances from project boundaries:
(1) structures & uses in SFA: 75'
(2) Structures in SFD: 30'
- Minimum Distances from lot lines - Structures & uses in all development projects except SFA:
(1) Side: 75'
Except zero lot line dwellings: 0' (Must be at least 15' from adjoining lots)
(2) Rear: 30'
- Landscaping for this project will be addressed at Final Plan Stage according to the alternative compliance portion of The Landscape Manual (Chapter VI).
- Recreational facilities may include any one or more of the following:
- tennis court(s)
- picnic pavilion
- boat dock
- putting green
- activity area
- All Roads in this Development are private.
- On January 16, 2000, WP 01-00; Waiver of section 16.116(a)(2) was granted which requires all lots to have frontage on a public road; and section 16.116(a)(4) which limits the length of a private road for SFA units to 200', subject to one condition in the approval letter.
- There are 118 tentative housing unit allocations reserved for the SFA units on bulk parcels A, B, C and D, as shown on the sketch plan (01-01-109) and in accordance with section 16.116(a)(2)(ii) of the subdivision regulations. The deadline to submit a preliminary plan for those parcels will be established when they are recorded on a plat.

Open Space lots 114 and 115 are for the purposes of common ingress/egress and utility construction and maintenance. A coincident easement for ingress/egress, public water & sewer construction and maintenance, and various public utilities (gas, telephone, electric, etc.) construction and maintenance will be granted as part of the final plat process.

Trash, mail and school bus services will be provided to each lot within the development. Trash services will be provided by the Howard County Refuse Collection Contractor. Mail services will be provided by the United States Postal Service. School bus service will be provided by the Howard County School Bus Contractor.

Development of Stone Lake under the current Forest Conservation Act requires the clearing of approximately 12.25 acres of forest, and reforestation of approximately 7.86 acres. Approximately 354 acres of additional forest retention credit has been derived from development of Emerson Section 1 (P-01-140) and will be used to partially offset the reforestation requirement for Stone Lake. The remaining 4.32-acre reforestation requirement will be satisfied on-site at the location shown herein.



Land Use	Acres
Residential	91.2
SFD 17.5	Acres
SFA 20.0	Acres
Roadway 12.3	Acres
Bulk Parcels 15.4	Acres
Open Space	22.0
Total	137.5

GLW GUTSCHICK LITTLE & WEBER, P.A.

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3900 NATIONAL DRIVE - SUITE 250 - BIRKBECKVILLE OFFICE PARK
BIRKBECKVILLE, MARYLAND 20966
TEL: 301-421-4024 FAX: 301-421-4186

OWNER:
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATENT PARKWAY
COLUMBIA, MD 21044
PH: 410-992-6084
ATTN: MR. JOE NECKER

COVER SHEET

STONE LAKE
LBER 572 F010 430

Lots 1 thru 100 and Open Space Lots 107 thru 115
Parcel A thru D
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
AS SHOWN	R-ED	99140
DATE	TAX MAP - GRID	SHEET
January, 2002	47-9/10 Plo Parcel 001	1 OF 23

DATE	REVISION	BY	APP'R.
2/14/02	Add grading around quarry & berm adj. to Gorman @ 25'		

DRAWINGS\99140\PRELIM\99140P1.DWG
DES. ORN. CHK. [Signature]

ELECTION DISTRICT No. 6

Stone Lake Drive CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	159.70	155.00'	87.75'	152.73'	N 68°47'14" E	59°01'59"
2	275.10	155.00'	190.36'	240.39'	N 47°27'28" E	101°41'31"
3	237.35	200.00'	134.89'	223.67'	N 30°36'36" E	67°59'47"
4	88.37	160.00'	45.34'	87.25'	N 48°47'07" E	31°38'45"

Boulder Ridge CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	308.30'	490.00'	159.45'	303.24'	S 70°28'32" E	36°03'50"

Weathered Stone Way CENTERLINE CURVE TABLE

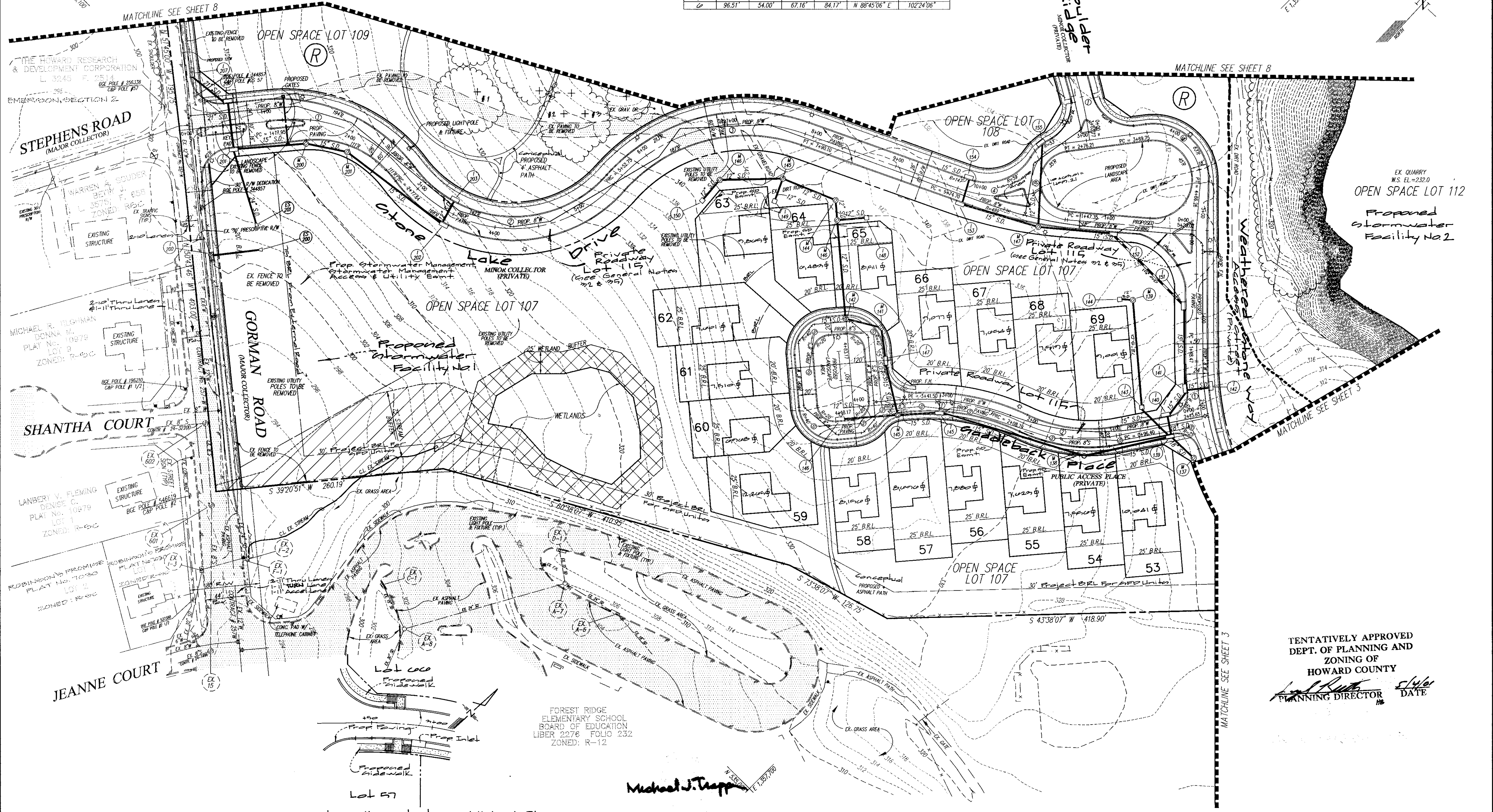
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	355.95'	350.00'	195.08'	340.80'	N 74°17'04" W	58°01'09"

Gaddleback Place CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	112.39'	175.00'	58.21'	110.47'	S 52°15'07" W	36°47'51"
2	132.72'	250.00'	67.96'	131.16'	S 55°26'23" W	30°24'58"

Stone Lake Drive CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
5	128.86'	44.00'	411.56'	87.50'	N 46°20'48" W	167°47'44"
6	96.51'	54.00'	67.16'	84.17'	N 88°45'06" E	102°24'06"



Sidewalk Detail ~ Gaddleback Place
scale: 1"=20'

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY
PLANNING DIRECTOR
DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
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PREPARED FOR:
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COLUMBIA, MD 21044
PH: 410-992-6084
ATTN: MR. JOE NECKER

PRELIMINARY PLAN
STONE LAKE
LIBER 572 FOLIO 430
Lots 1 thru 100 and Open Space Lots 107 thru 115
Parcels A thru D
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND

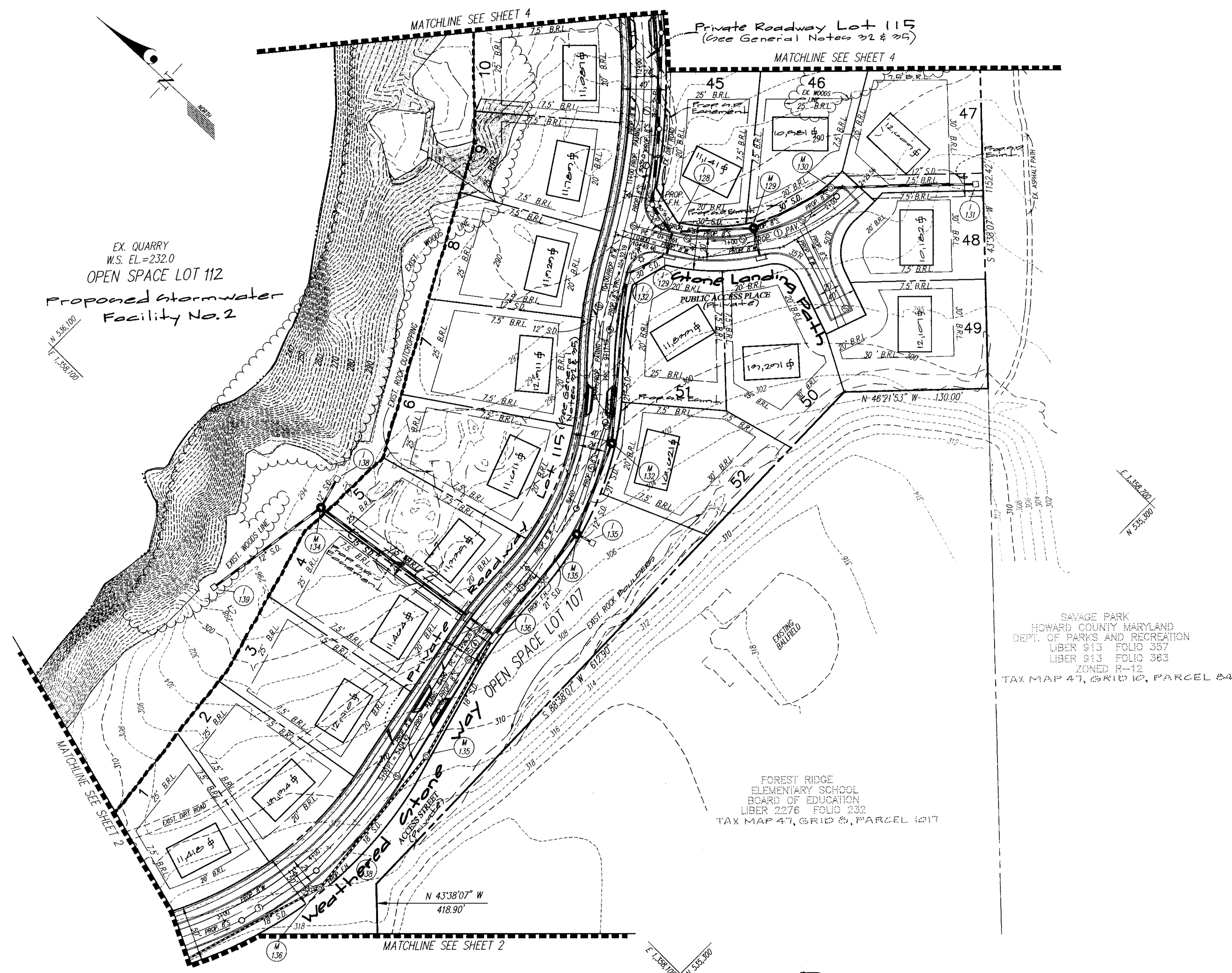
SCALE	ZONING	G. L. W. FILE NO.
1"=50'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
March 2001	47 - 9/10 9/6 Parcel 100	2 OF 29

Weathered Stone Way ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
3	355.95'	350.00'	195.08'	340.80'	N 74°17'04" W	58°16'09"
4	80.74'	375.00'	40.52'	80.58'	S 82°44'56" W	12°20'08"
5	210.20'	275.00'	110.53'	205.12'	S 67°01'09" W	43°47'42"
6	115.00'	400.00'	57.92'	114.61'	S 35°21'29" W	16°28'22"
7	512.42'	550.00'	276.50'	494.09'	S 34°54'21" W	53°22'50"

Stone Landing Path ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	189.95'	175.00'	105.54'	180.76'	S 61°17'58" E	62°11'21"



EX. QUARRY
W.S. EL.=232.0
OPEN SPACE LOT 112
Proposed Stormwater
Facility No. 2

SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS AND RECREATION
LIBER 913 FOLIO 357
LIBER 913 FOLIO 363
ZONED R-12
TAX MAP 47, GRID C, PARCEL 84

FOREST RIDGE
ELEMENTARY SCHOOL
BOARD OF EDUCATION
LIBER 2276 FOLIO 232
TAX MAP 47, GRID D, PARCEL 1017

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY
Michael J. Trappan 5/16/01
PLANNING DIRECTOR DATE

Michael J. Trappan

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
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BURLINGAME, MARYLAND 20866
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APP'R.

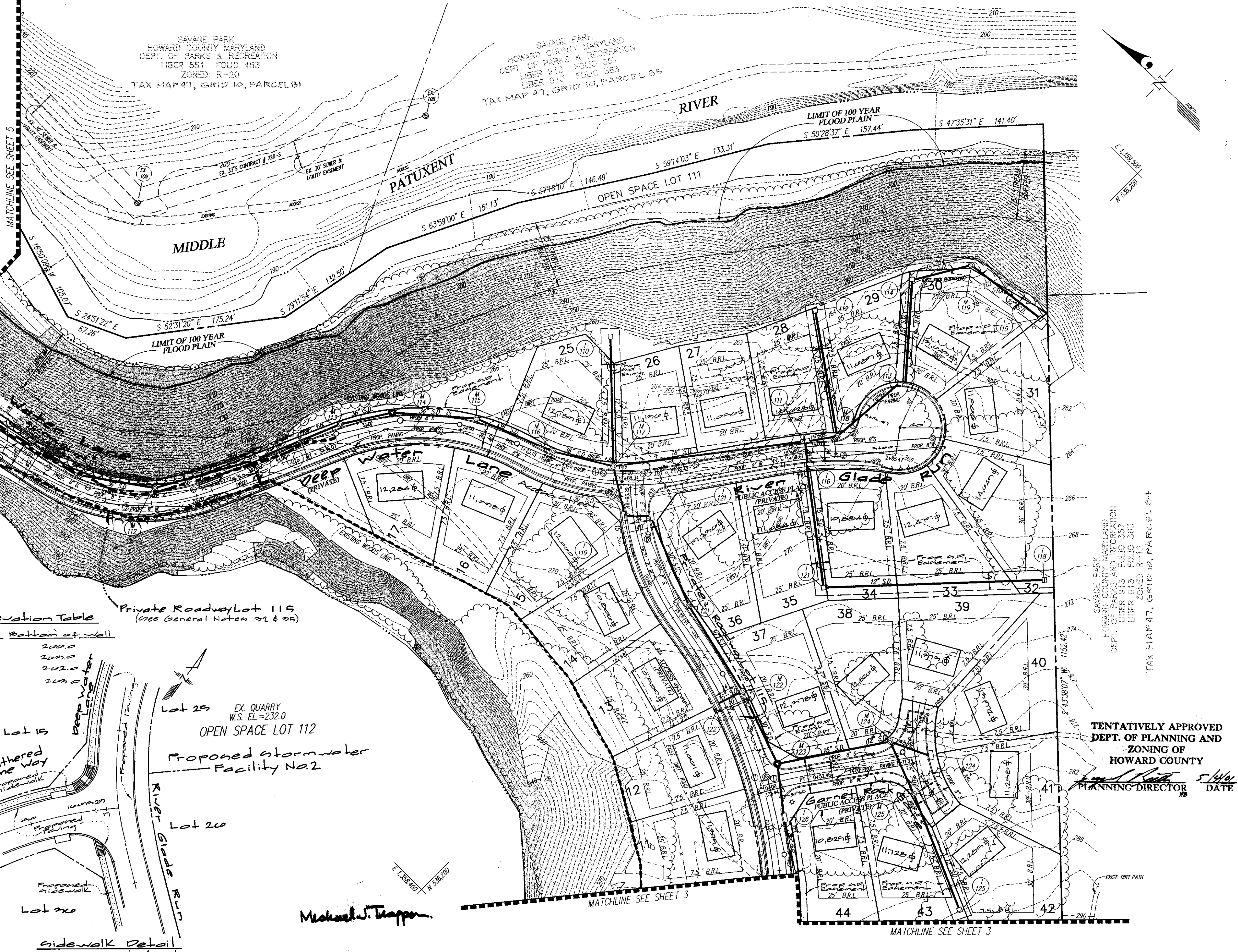
PREPARED FOR
OWNER:
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044
PH: 410-992-6084
ATTN: MR. JOE NECKER

PRELIMINARY PLAN
STONE LAKE
LIBER 572 FOLIO 430
Lots 1 thru 100 and Open Space Lots 107 thru 115
Parcel A thru D
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1"=50'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
March 2001	47 - 9/10	3 OF 27

Guard Rail Location Table

Road	Right Location	Left Location
Court 'D'	Sta. 2150 To Sta. 2171	Sta. 2125 To Sta. 2150
	Sta. 2150 To Sta. 2171	Sta. 2125 To Sta. 2150



Retaining Wall Elevation Table

Location	Top of Wall	Bottom of Wall
0+10	200.4	200.0
0+45	200.0	200.0
0+72	204.8	202.0
7+00	209.4	209.0

Weathered Gtone Way ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
7	512.42	550.00	276.50	494.09	S 34°54'13" W	53°22'50"
8	148.68	250.00	76.61	146.50	S 25°15'04" W	34°04'29"

Garnet Rock Gate ~ CENTERLINE CURVE TABLE

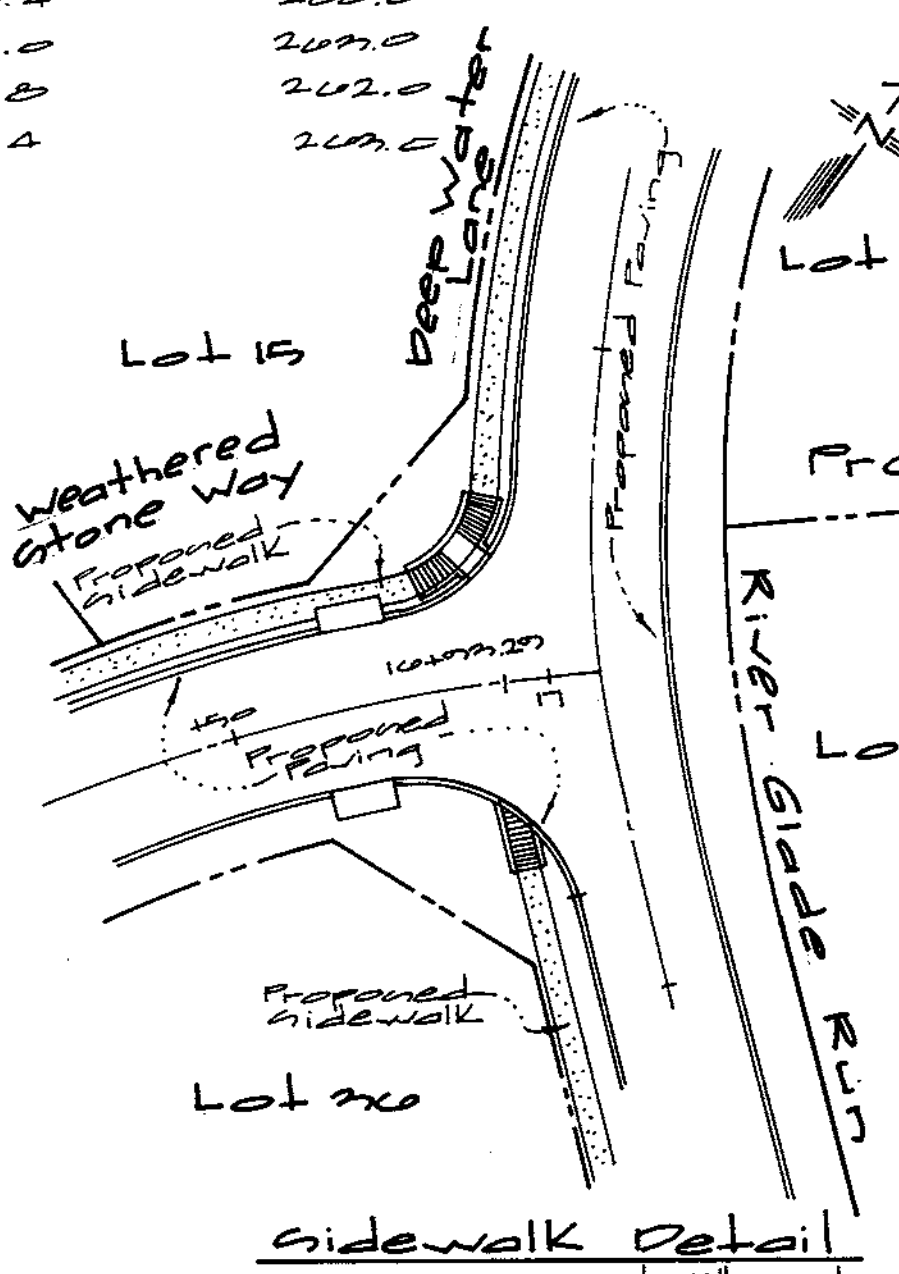
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	52.45	500.00	26.25	52.42	S 57°53'47" E	6°00'36"
2	130.36	140.00	70.34	125.70	S 32°05'34" W	53°21'06"

River Glade Run ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	28.42	219.00	14.23	28.40	S 51°25'46" E	07°26'08"
2	125.86	375.00	63.53	125.27	S 45°31'55" E	19°13'50"

Deep Water Lane ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	190.82	219.00	103.37	121.53	S 31°36'07" E	32°13'08"
2	212.92	240.00	114.04	206.00	S 40°54'27" E	50°49'48"
3	241.28	200.00	63.25	183.66	S 38°59'23" E	54°39'56"



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 BURTONSVILLE, MARYLAND 20866
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DATE	REVISION	BY	APPR.

PREPARED FOR:
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MD 21044
 PH: 410-992-6084
 ATTN: MR. JOE NECKER

PRELIMINARY PLAN
STONE LAKE
 LIBER 572 FOLIO 430
 Lots 1 thru 100 and Open Space Lots 107 thru 115
 Parcel A thru D
 ELECTION DISTRICT No. 6
 HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
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DATE	TAX MAP - GRID	SHEET
March 2001	47 - 9/10	4 OF 29

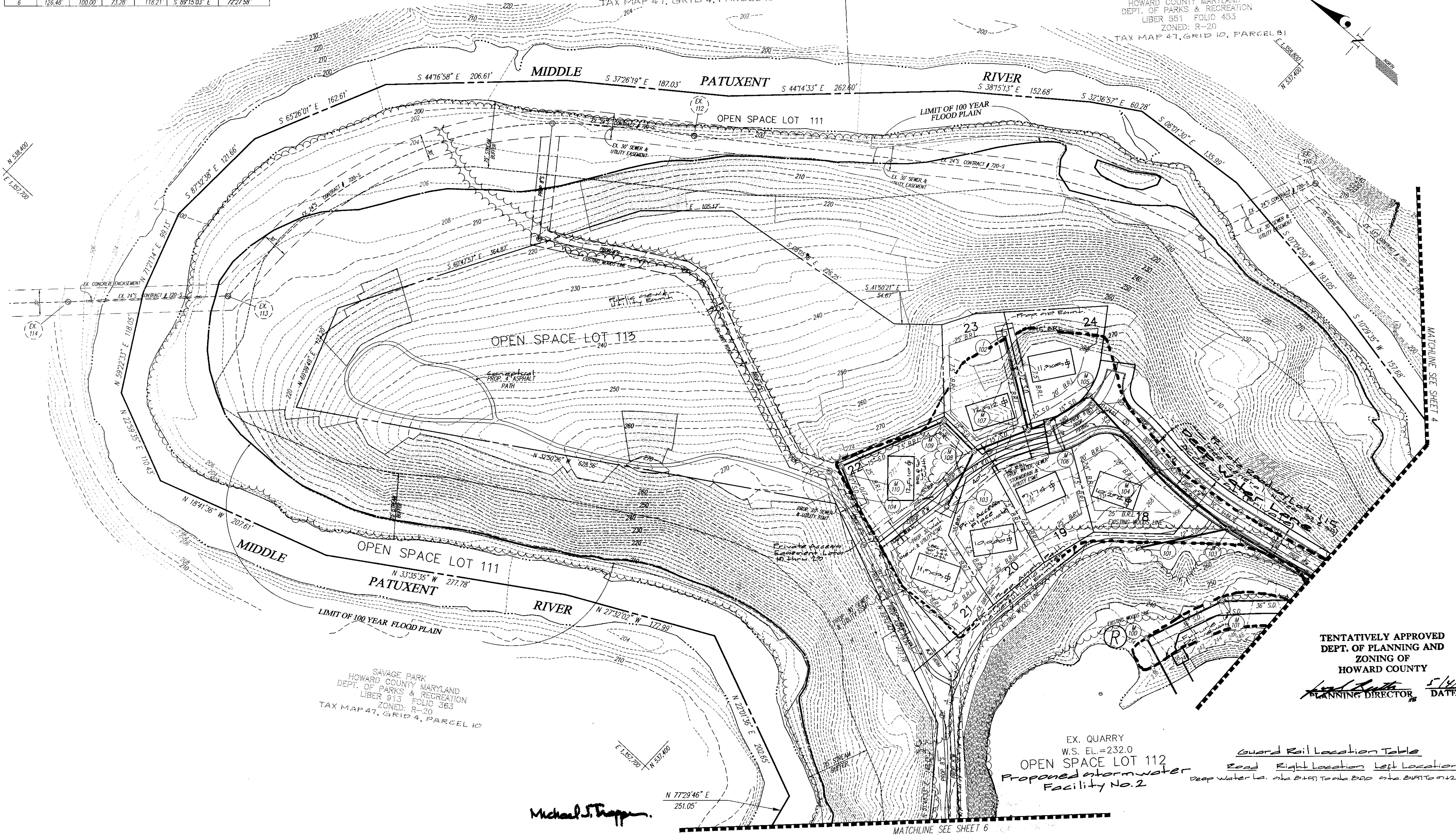
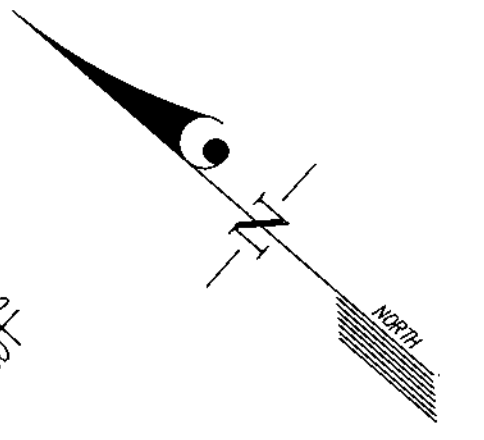
TENTATIVELY APPROVED
 DEPT. OF PLANNING AND ZONING OF
 HOWARD COUNTY
 PLANNING DIRECTOR
 DATE: 5/14/01

Deep Water Lane
CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
4	123.46'	375.00'	62.29'	122.90'	S 02°13'32" E	18°51'46"
5	80.81'	250.00'	40.76'	80.46'	S 02°03'17" E	18°31'16"
6	126.48'	100.00'	73.28'	118.21'	S 89°15'03" E	72°27'58"

SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS & RECREATION
LIBER 913 FOLIO 363
ZONED: R-20
TAX MAP 47, GRID 4, PARCEL 10

SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS & RECREATION
LIBER 551 FOLIO 453
ZONED: R-20
TAX MAP 47, GRID 10, PARCEL B1



TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY

[Signature]
PLANNING DIRECTOR 5/14/01
DATE

SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS & RECREATION
LIBER 913 FOLIO 363
ZONED: R-20
TAX MAP 47, GRID 4, PARCEL 10

EX. QUARRY
W.S. EL.=232.0
OPEN SPACE LOT 112
Proposed stormwater
Facility No. 2

Guard Rail Location Table

Road	Right Location	Left Location
Deep Water La.	Sta. 2147 to Sta. 220	Sta. 2197 to Sta. 225

Michael J. Trapp

GLW GUTSCHICK LITTLE & WEBER, P.A.
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PRELIMINARY PLAN
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LIBER 572 FOLIO 430
Lots 1 thru 100 and Open Space Lots 107 thru 115
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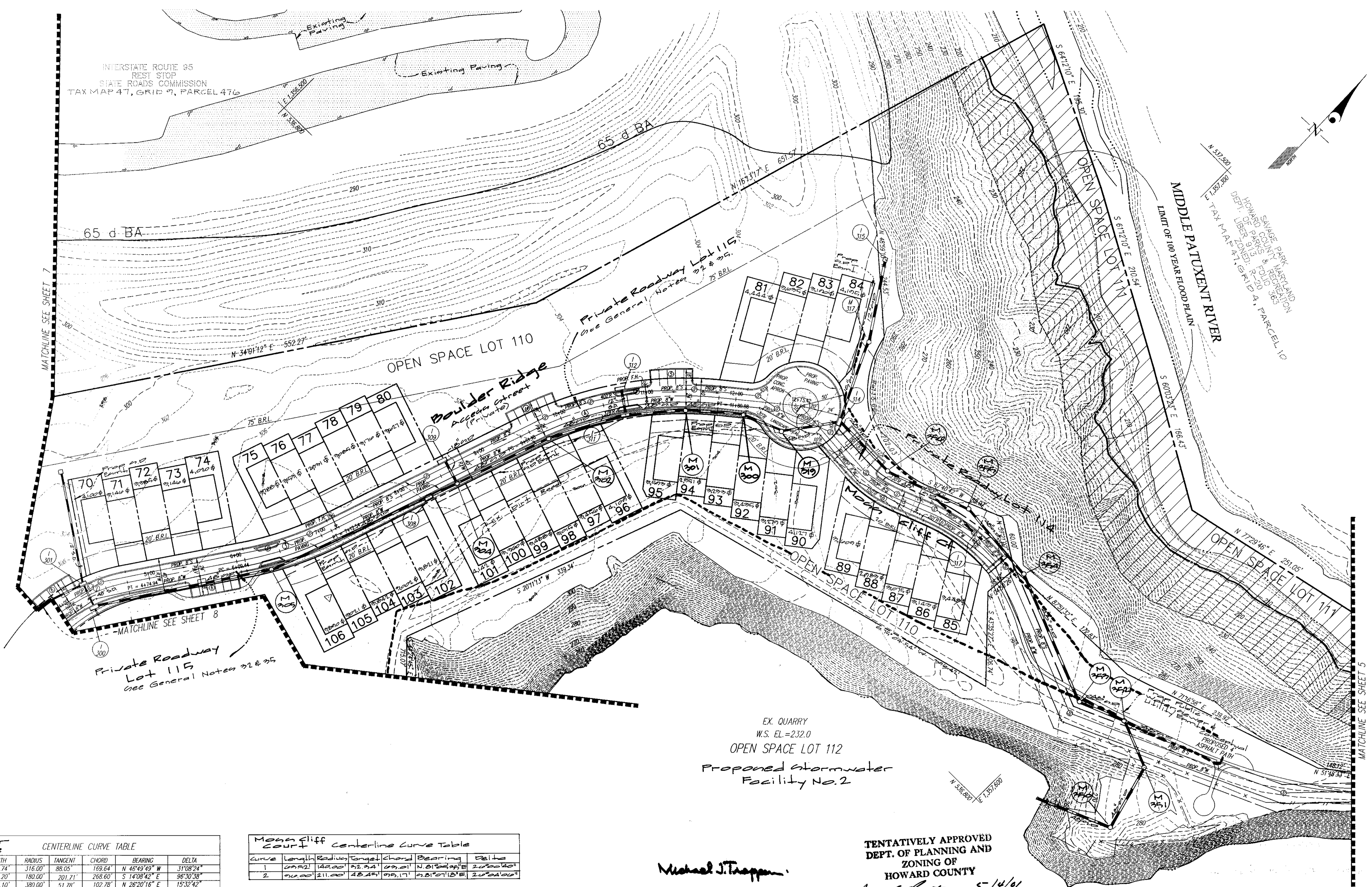
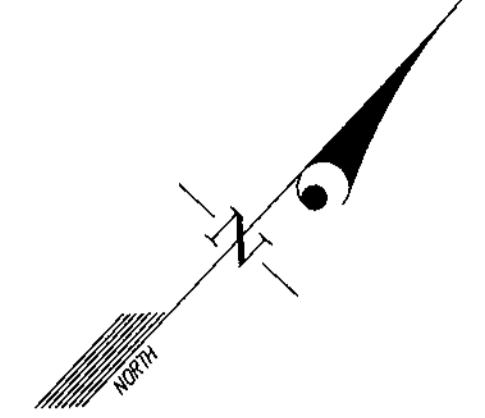
SCALE	ZONING	G. L. W. FILE No.
1"=50'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
March 2001	47 - 9/10 P/B Parcel 107	5 OF 27

\\DRAWINGS\99140\PRELIM\99140pp5.DWG DES. DRN. ROS. CHK.

DATE	REVISION	BY	APP'R.

INTERSTATE ROUTE 95
REST STOP
STATE ROADS COMMISSION
TAX MAP 47, GRID 7, PARCEL 476

SWAGE PARK MARLAND
HOWARD COUNTY & ROCKVILLE
DEPT. OF PUBLIC WORKS
TAX MAP 47, GRID 7, PARCEL 10



EX. QUARRY
W.S. EL. = 232.0
OPEN SPACE LOT 112
Proposed Stormwater
Facility No. 2

Michael J. Trappan

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY
PLANNING DIRECTOR 5-14-01
DATE

Boulder Ridge CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	171.74'	316.00'	88.05'	159.64'	N 46°43'49" W	31°08'24"
2	303.20'	180.00'	201.71'	268.60'	S 14°08'42" E	96°30'38"
3	103.10'	380.00'	51.78'	102.78'	N 26°20'16" E	15°32'42"
4	219.70'	390.00'	112.85'	216.81'	N 34°42'13" E	32°16'35"

Moan Cliff Court CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	69.52'	142.00'	52.54'	59.21'	N 01°26'45" E	20°20'40"
2	69.52'	211.00'	48.49'	59.17'	N 01°07'12" E	20°20'40"

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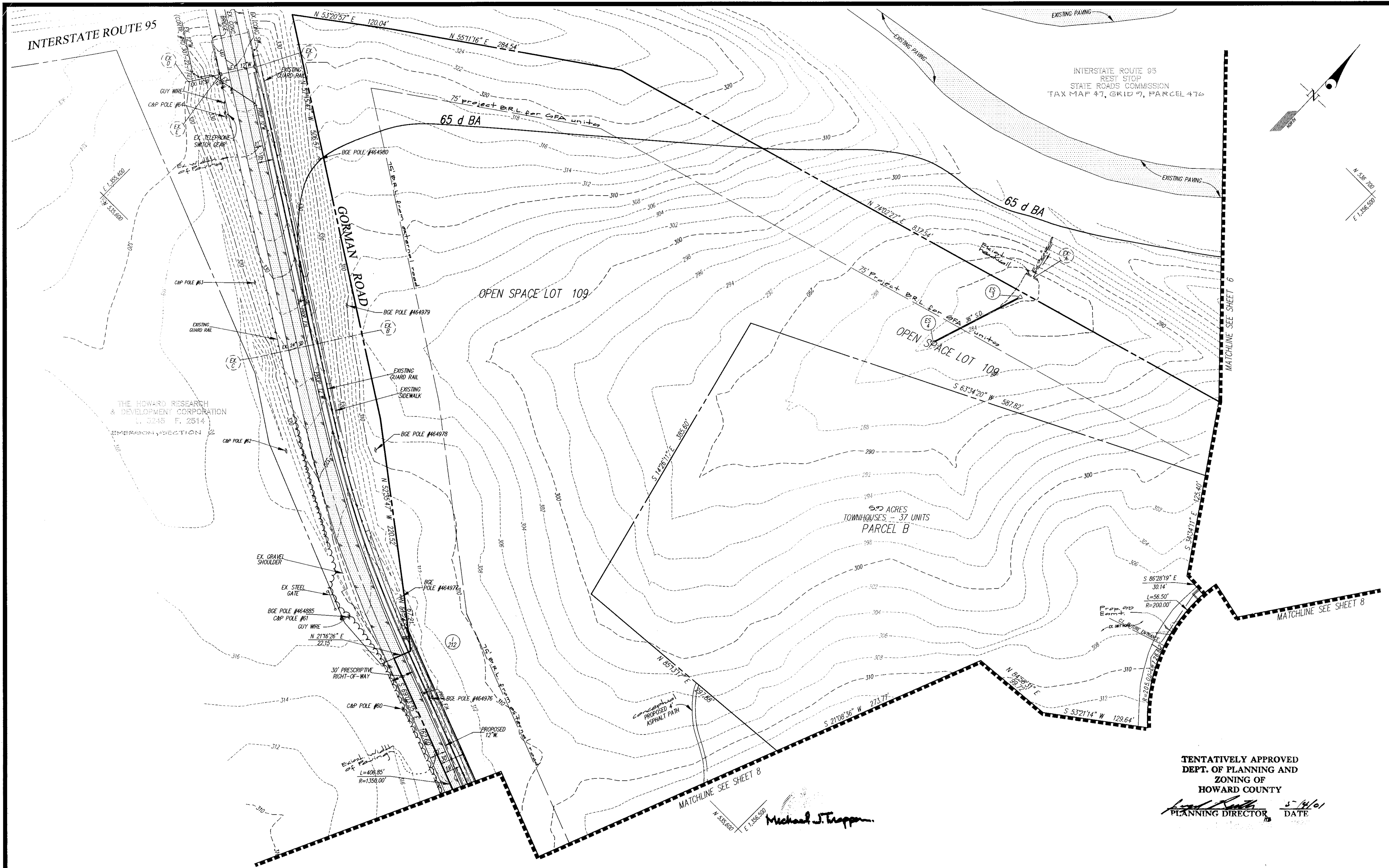
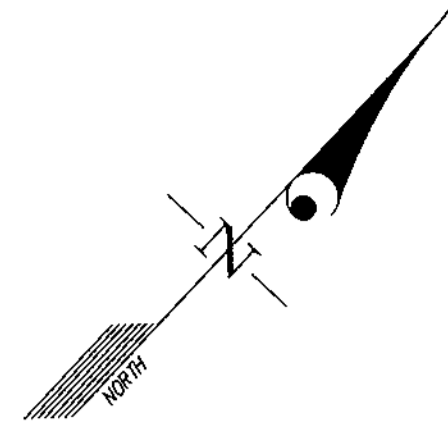
PRELIMINARY PLAN
STONE LAKE
LIBER 572 FOLIO 430
Lots 1 thru 100 and Open Space Lots 107 thru 115
Parcels A thru D
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND

SCALE 1"=50'	ZONING R-ED	G. L. W. FILE No. 99140
DATE March 2001	TAX MAP - GRID 47 - 9/10 Parcel 207	SHEET 6 OF 29

DATE	REVISION	BY	APPR.

INTERSTATE ROUTE 95

INTERSTATE ROUTE 95
REST STOP
STATE ROADS COMMISSION
TAX MAP 47, GRID 7, PARCEL 4746



THE HOWARD RESEARCH
& DEVELOPMENT CORPORATION
L 3248 F. 2514
EMERSON SECTION

6.9 ACRES
TOWNHOUSES - 37 UNITS
PARCEL B

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY

Michael J. Trappan
PLANNING DIRECTOR

5/11/01
DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTOWNSVILLE OFFICE PARK
BURTOWNSVILLE, MARYLAND 20866
TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE REVISION BY APP'R

PREPARED FOR:
OWNER:
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044
PH: 410-992-6027
ATTN: MR. JOE NECKER

PRELIMINARY PLAN

STONE LAKE
LIBER 572 FOLIO 430

Lots 1 thru 100 and Open Space Lots 107 thru 115
Parcels A thru D
ELECTION DISTRICT No. 6 HOWARD COUNTY, MARYLAND

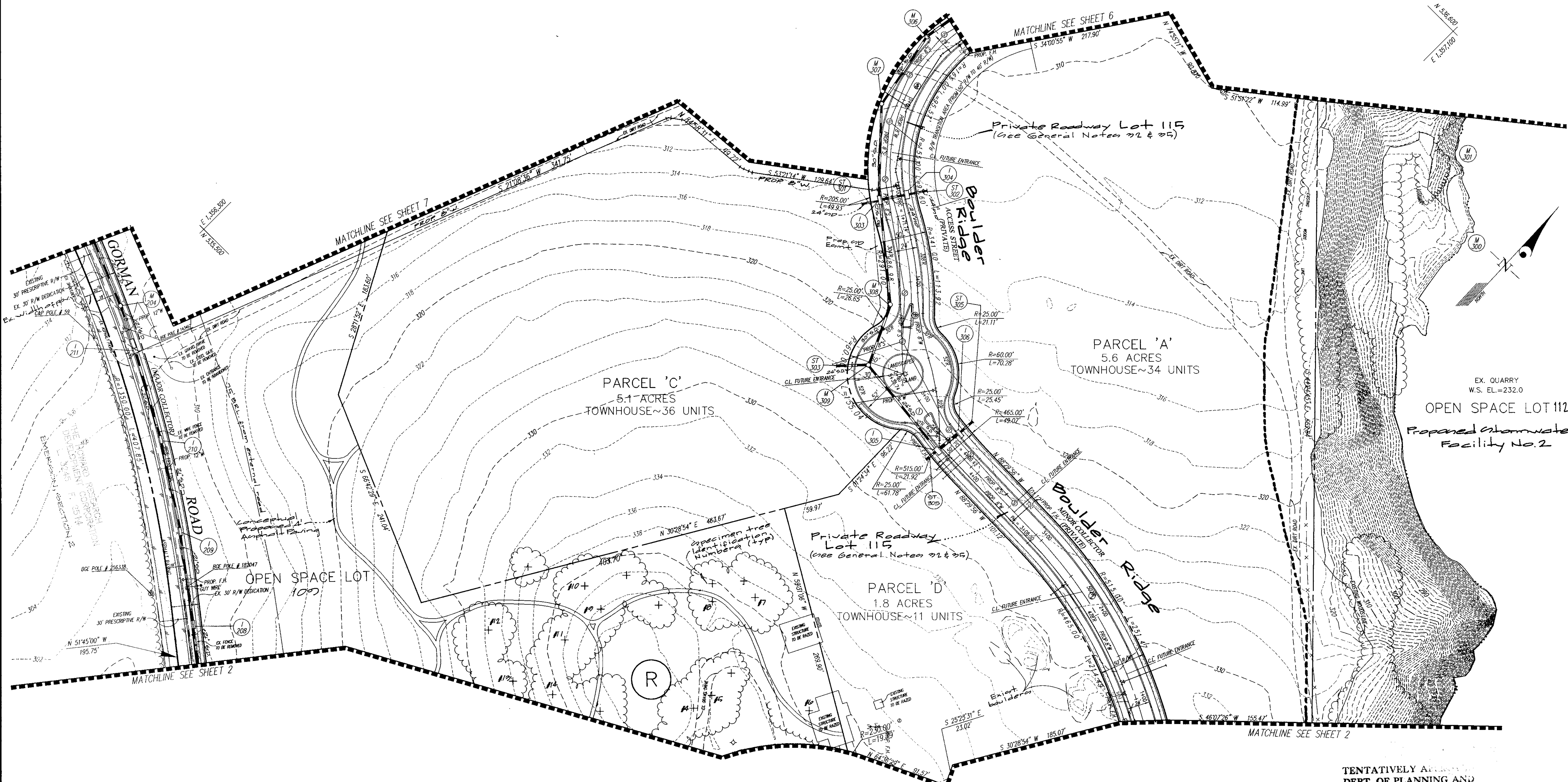
SCALE	ZONING	G. L. W. FILE No.
1"=50'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
March 2001	47 - 9/10	7 OF 27

Boulder Ridge ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	124.51'	490.00'	62.49'	123.98'	S 81°13'52" E	14°32'09"
2	308.30'	490.00'	159.45'	303.24'	S 70°28'26" E	36°03'00"

Boulder Ridge ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
3	171.74'	316.00'	88.05'	169.64'	N 46°49'49" W	31°08'24"
4	303.20'	180.00'	201.71'	268.60'	N 14°08'42" W	98°30'38"



EX. QUARRY
W.S. EL.=232.0
OPEN SPACE LOT 112
Proposed Stormwater
Facility No. 2

Michael J. Tropper

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY
[Signature]
PLANNING DIRECTOR 5/14/01
DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BALT. 410-880-1820 DC/VA. 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APP'R.

PREPARED FOR:
OWNER:
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATRUMENT PARKWAY
COLUMBIA, MD 21044
PH: 410-982-6084
ATTN: MR. JOE NECKER

PRELIMINARY PLAN
STONE LAKE
LIBER 572 FOLIO 430
Lots 1 thru 10 and Open Space Lots 107 thru 115
Parcel A thru D
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1"=50'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
March 2001	47 - 9/10 File Parcel 027	8 OF 27

Stone Lake Drive ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	159.70'	155.00'	87.75'	152.73'	N 68°47'14" E	59°01'59"
2	275.10'	155.00'	190.36'	240.39'	N 47°27'28" E	101°41'31"
3	237.35'	200.00'	134.89'	223.67'	N 30°36'36" E	67°59'47"
4	88.37'	180.00'	45.34'	87.25'	N 48°47'07" E	31°38'45"

Boulder Ridge ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	308.30'	490.00'	159.45'	303.24'	S 70°28'326" E	36°03'500"

Weathered Stone Way ~ CENTERLINE CURVE TABLE

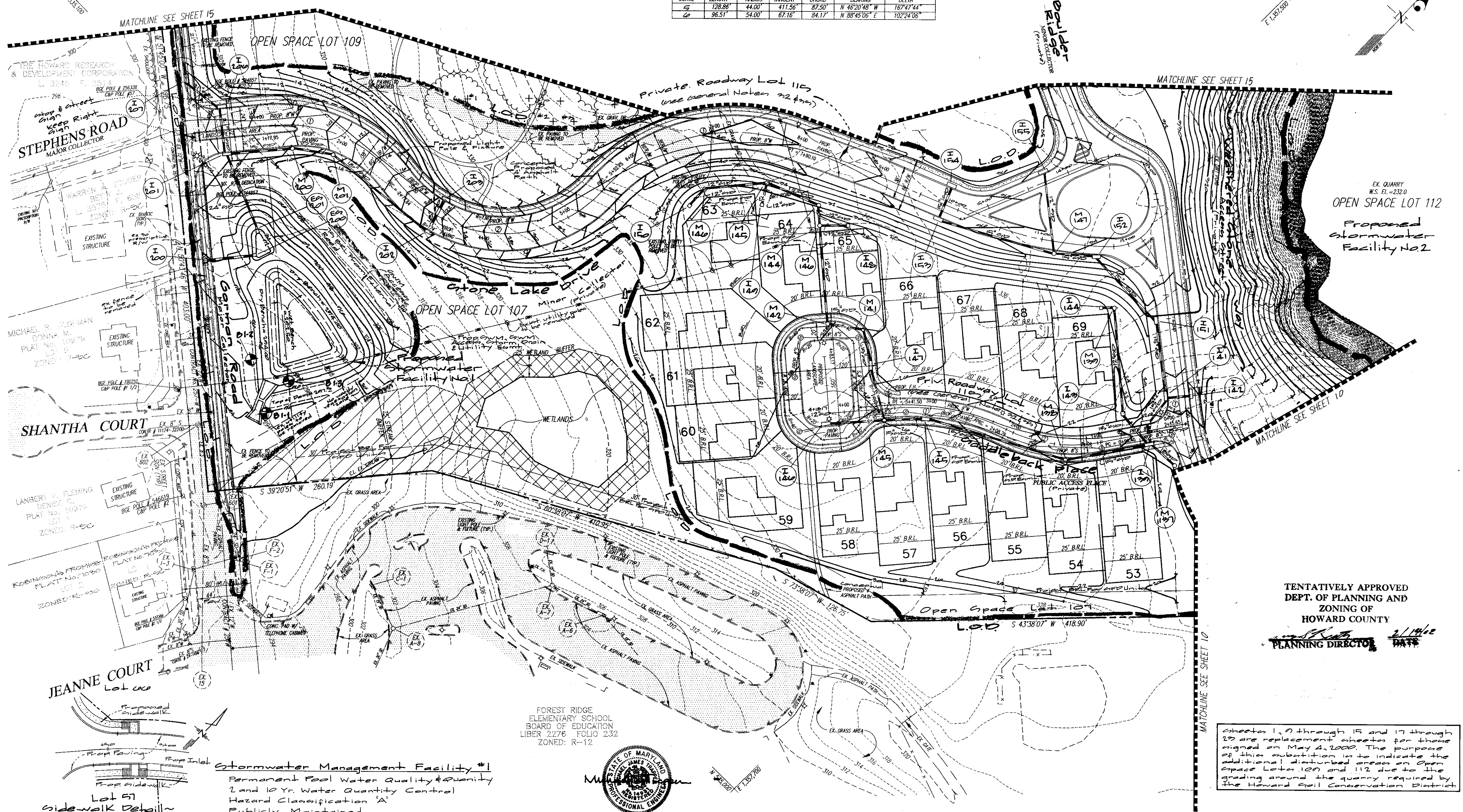
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	355.95'	350.00'	195.08'	340.80'	N 74°17'04" W	58°01'6" S

Saddleback Place ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	112.39'	175.00'	58.21'	110.47'	S 32°15'07" W	36°47'51"
2	132.72'	250.00'	67.96'	131.16'	S 55°26'23" W	30°24'58"

Stone Lake Drive ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
5	128.86'	44.00'	411.56'	87.50'	N 46°20'48" W	167°47'44"
6	96.51'	54.00'	67.16'	84.17'	N 88°45'06" E	102°24'06"



EX. QUARRY
U.S. EL. = 232.0
OPEN SPACE LOT 112
Proposed
Stormwater
Facility No. 2

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY

[Signature]
PLANNING DIRECTOR

Sheets 1, 2 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2002. The purpose of this substitution is to indicate the additional disturbed areas on Open Space Lots 107 and 112 due to the grading around the quarry required by the Howard Soil Conservation District.



FOREST RIDGE
ELEMENTARY SCHOOL
BOARD OF EDUCATION
LIBER 2276 FOLIO 232
ZONED: R-12

Stormwater Management Facility #1
Permanent Pool Water Quality & Quantity
2 and 10 Yr. Water Quantity Control
Hazard Classification 'A'
Publicly Maintained
Owned by H.O.A.

Lot 57
sidewalk Detail
Saddleback Place
Scale: 1" = 2'-0"

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONTOWN, MARYLAND 20866
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-599-2524 FAX: 301-421-4186

DATE	REVISION	BY	APP'R.
2/7/02	Add grading around quarry & berm adj. to German @ NS		

PREPARED FOR:
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATENT PARKWAY
COLUMBIA, MD 21044
PH: 410-992-6084
ATTN: MR. JOE NECKER

GRADING PLAN
STONE LAKE
LIBER 572 FOLIO 430
Lots 1 thru 100 and Open Space Lots 107 thru 115
Parcels A thru B
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1" = 50'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
January, 2002	47 - 9/10 P12 Parcel B-27	9 OF 23

Weathered Stone Way ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
3	355.95	350.00	195.08	340.80	N 74°17'04" W	58°16'09"
4	80.74	375.00	40.52	80.58	S 82°44'56" W	17°20'08"
5	210.20	275.00	110.53	205.12	S 67°01'09" W	43°47'42"
6	115.00	400.00	57.92	114.61	S 35°21'29" W	16°28'22"
7	512.42	550.00	276.50	494.09	S 34°54'21" W	53°22'50"

Stone Landing Path ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	188.95	175.00	105.54	180.76	S 61°17'58" E	62°11'21"



EX. QUARRY
W.S. EL.=232.0
OPEN SPACE LOT 112
Proposed stormwater
Facility No. 2

Priv. Roadway Lot 115
(see General Notes 21 & 26)

SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS AND RECREATION
LIBER 913 FOLIO 357
LIBER 913 FOLIO 363
ZONED R-12
TAX MAP 47, GRID I2, PARCEL B4

FOREST RIDGE
ELEMENTARY SCHOOL
BOARD OF EDUCATION
LIBER 2276 FOLIO 232
TAX MAP 47, GRID 8, PARCEL I07

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY
[Signature] 2/14/12
PLANNING DIRECTOR DATE

Sheets 1, 2 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed areas on Open Space Lots 107 and 112 due to the grading around the quarry required by the Howard Soil Conservation District.



GLW GUTSCHICK LITTLE & WEBER, P.A. CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20886 TEL: 301-421-4024 BALT: 410-580-1800 DC/VA: 301-398-2524 FAX: 301-421-4186	DESIGNED BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i> DATE: 2/17/12	PREPARED FOR: OWNER: THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION 10275 LITTLE PATENT PARKWAY COLUMBIA, MD 21044 PH: 410-992-6084 ATTN: MR. JOE NECKER	GRADING PLAN STONE LAKE LIBER 572 FOLIO 430 Lots 1 thru 100 and Open Space Lots 107 thru 115 Parcels A thru D ELECTION DISTRICT No. 6 HOWARD COUNTY, MARYLAND	SCALE: 1"=50' DATE: January, 2002	ZONING: R-ED TAX MAP - GRID: 47 - 9/10 10 Parcel 897	G. L. W. FILE No. 99140 SHEET 10 OF 23
	PROJECT: Add grading around quarry & berm adj. to Gorman @ 75 REVISION:	BY:	APPR:			

Guard Rail Location Table

Road	Right Location	Left Location
Court J	Sta. B+50 to Sta. B+57	Sta. 4+25 to Sta. 7+50 Sta. B+50 to Sta. B+57

Retaining Wall Elevation Table

Location	Top of Wall	Bottom of Wall
6+18	266.40	266.00
6+45	266.00	266.00
6+72	262.80	262.00
7+00	269.40	269.00

Weathered Stone Way CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
7	512.42'	350.00'	278.50'	494.09'	S 34°54'15" W	53°22'50"
8	148.68'	250.00'	76.61'	146.50'	S 25°15'04" W	34°04'29"

Garnet Rock Gate CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	52.45'	500.00'	26.25'	52.42'	S 57°53'47" E	6°00'36"
2	130.36'	140.00'	70.34'	125.70'	S 32°05'54" W	53°21'06"

River Glade Run CENTERLINE CURVE TABLE

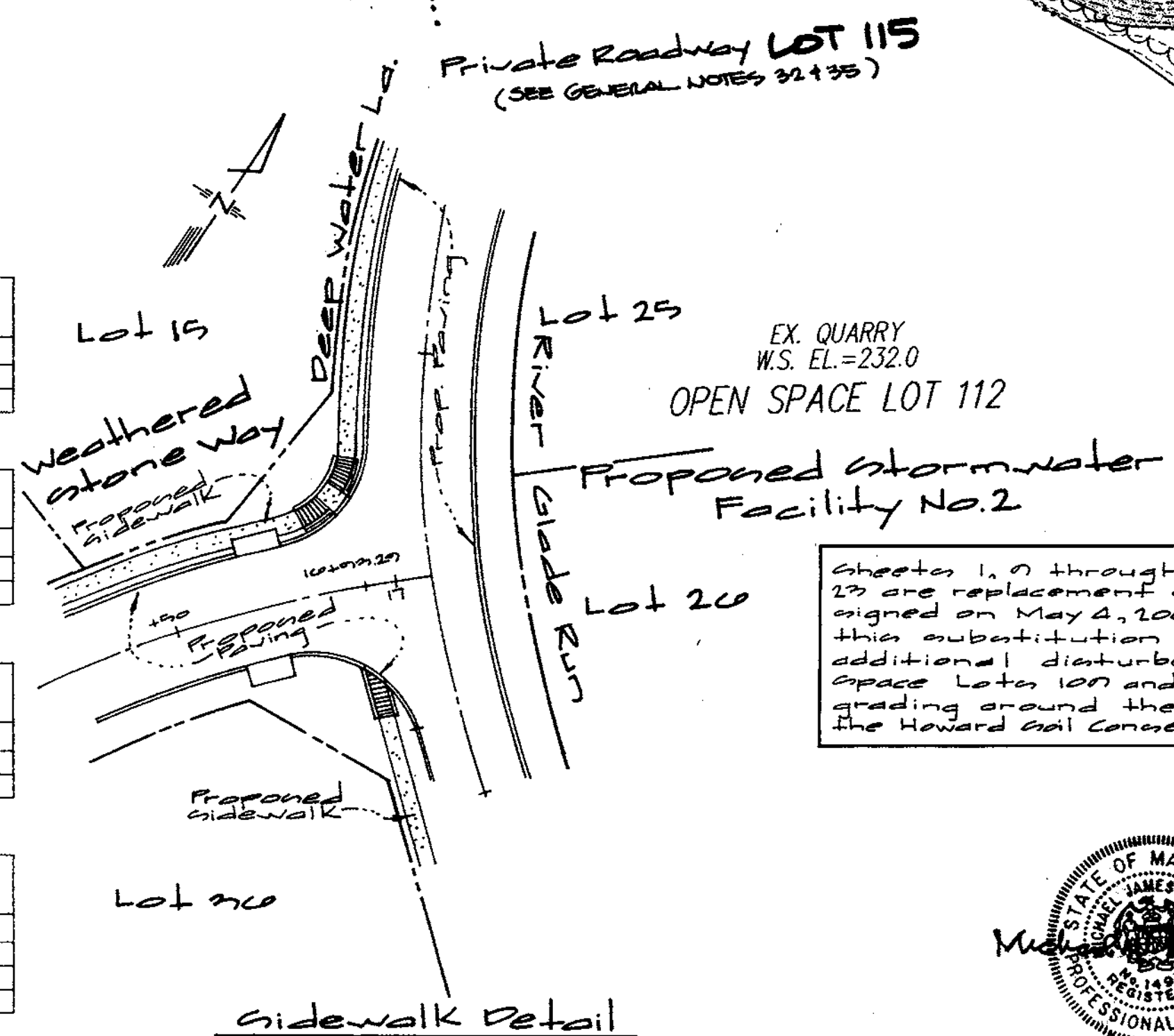
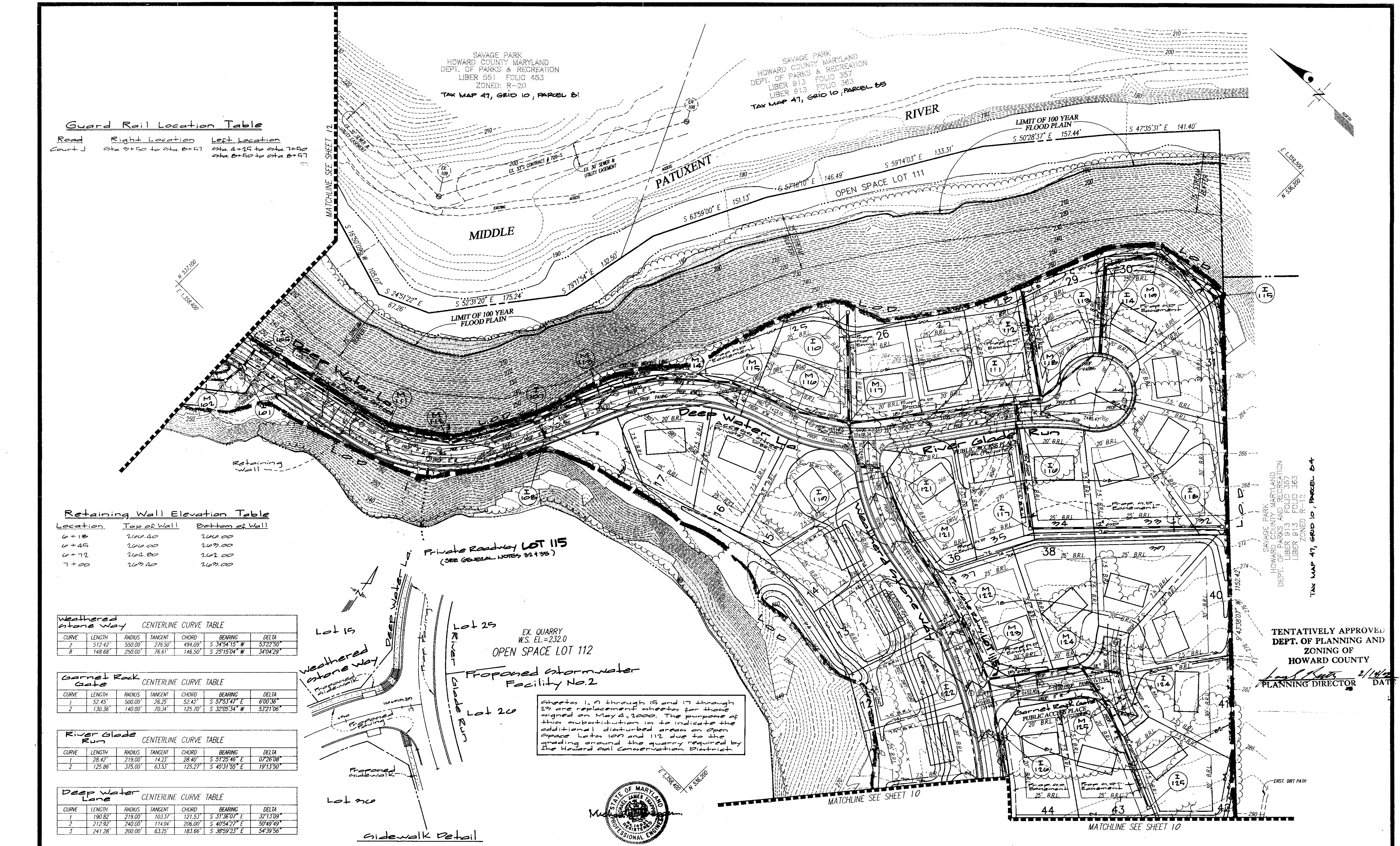
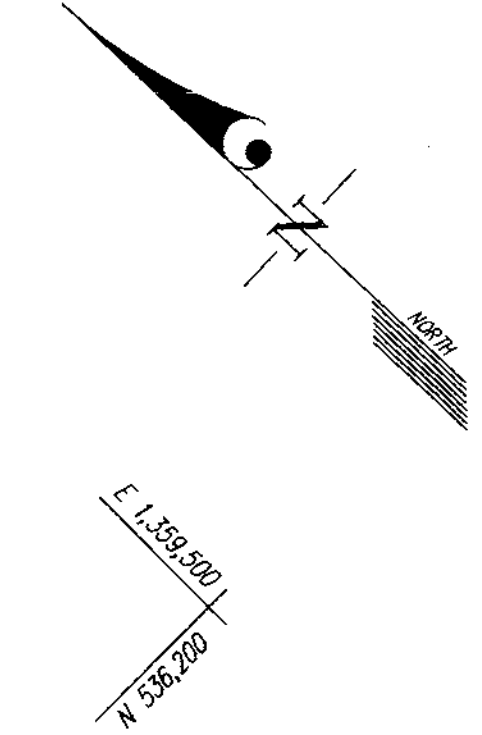
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	28.42'	219.00'	14.23'	28.40'	S 51°25'46" E	07°26'08"
2	125.86'	375.00'	63.53'	125.27'	S 45°31'55" E	19°13'50"

Deep Water Lane CENTERLINE CURVE TABLE

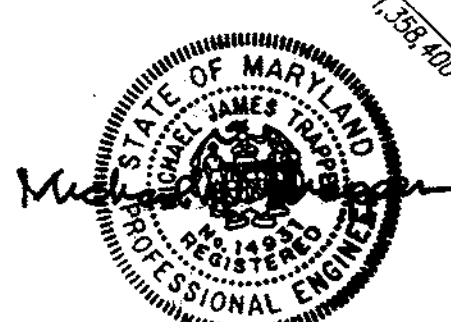
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	190.82'	219.00'	103.37'	121.53'	S 31°38'07" E	32°13'09"
2	212.92'	240.00'	114.04'	206.00'	S 40°54'27" E	50°49'49"
3	241.28'	200.00'	63.25'	183.66'	S 38°59'23" E	54°39'56"

SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS & RECREATION
LIBER 551 FOLIO 453
ZONED: R-20
TAX MAP 47, GRID 10, PARCEL B1

SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS & RECREATION
LIBER 613 FOLIO 357
LIBER 613 FOLIO 363
TAX MAP 47, GRID 10, PARCEL B5



Sheets 1, 2 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed areas on Open Space Lots 107 and 112 due to the grading around the quarry required by the Howard Soil Conservation District.



TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY
PLANNING DIRECTOR
DATE: 2/14/02

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BERTHLEMSVILLE OFFICE PARK
BERTHLEMSVILLE, MARYLAND 20866
TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

PREPARED FOR:
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
11275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044
PH: 410-392-6084
ATTN: MR. JOE NECKER

GRADING PLAN
STONE LAKE
LIBER 572 FOLIO 430
Lots 1 thru 100 and Open Space Lots 107 thru 115
Parcel A thru D
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 6

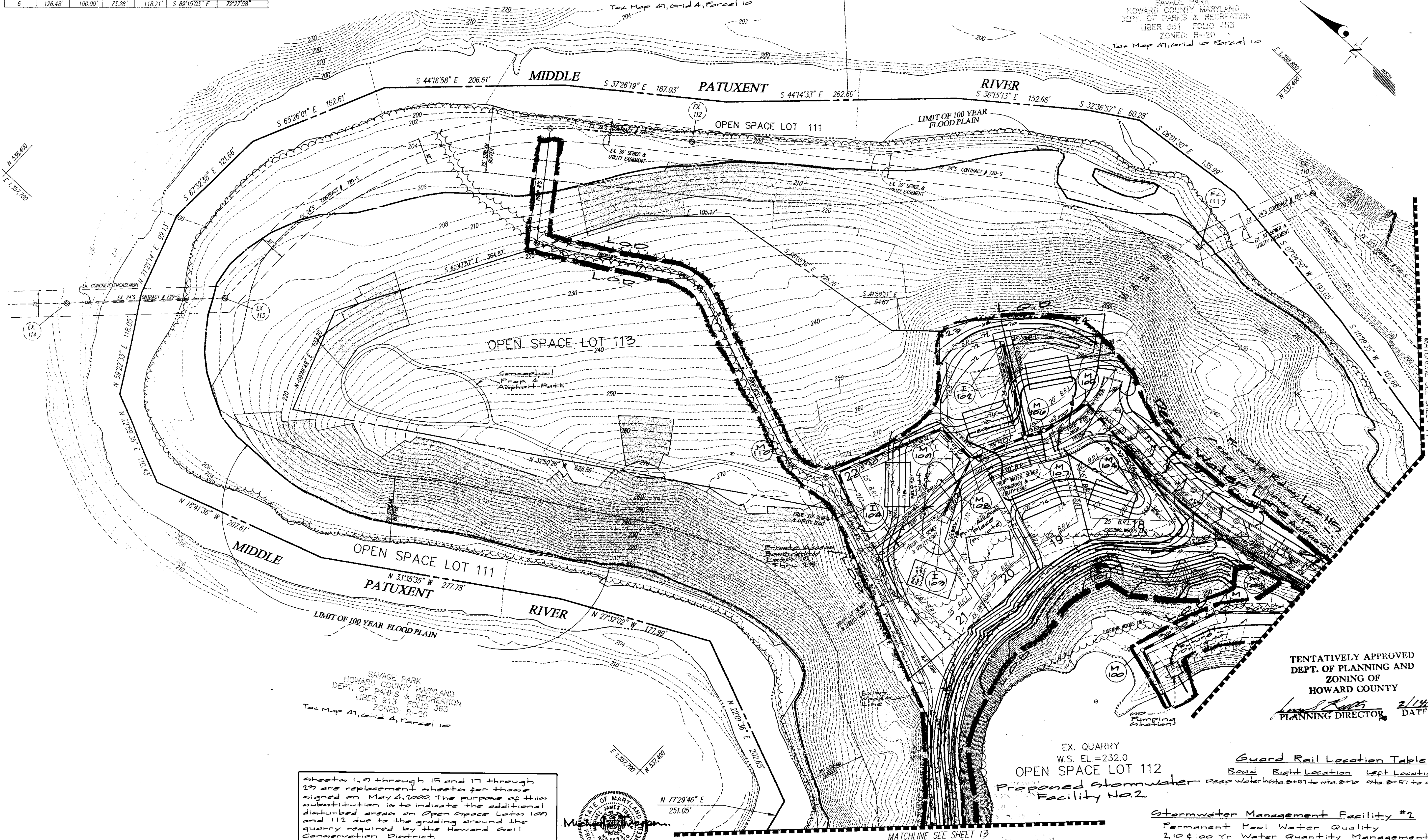
SCALE	ZONING	G. L. W. FILE NO.
1"=50'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
January, 2002	47 - 9/10	11 OF 23

DESIGNER	DATE	REVISION	BY	APP'R.
DRN	2/7/02	Add grading around quarry & berm adj. to Gomen @ 05		

ROAD 'J' CENTERLINE CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
4	123.46'	375.00'	62.29'	122.90'	S 02°13'52" E	18°51'46"
5	80.81'	250.00'	40.76'	80.46'	S 02°03'17" E	18°31'16"
6	126.48'	100.00'	73.28'	118.21'	S 89°15'03" E	72°27'58"

SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS & RECREATION
LIBER 913 FOLIO 363
ZONED: R-20
Tax Map 47, Grid A, Parcel 10

SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS & RECREATION
LIBER 551 FOLIO 453
ZONED: R-20
Tax Map 47, Grid 10 Parcel 10



SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS & RECREATION
LIBER 913 FOLIO 363
ZONED: R-20
Tax Map 47, Grid A, Parcel 10

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY
[Signature] 2/14/02
PLANNING DIRECTOR DATE

Sheets 1, 9 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed areas on Open Space Lots 109 and 112 due to the grading around the quarry required by the Howard Soil Conservation District.



EX. QUARRY
W.S. EL.=232.0
OPEN SPACE LOT 112
Proposed Stormwater Deep Water Retention Facility No. 2

Guard Rail Location Table
Road Right Location Left Location
Sta 0+57 to Sta. 0+70 Sta 0+57 to Sta. 0+15

Stormwater Management Facility #2
Permanent Pool Water Quality
2,10 @ 100 Yr. Water Quantity Management
Hazard Classification 'B'
Owned and Maintained by H.O.A.

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3809 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866
TEL: 301-471-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APPR.
2/7/02	Add grading around quarry & berm adj. to Gorman @ 05		

PREPARED FOR:
OWNER:
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044
PH: 410-992-6084
ATTN: MR. JOE NECKER

GRADING PLAN
STONE LAKE
LIBER 572 FOLIO 430
Lots 1 thru 100 and Open Space Lots 107 thru 116
Parcel A thru D
ELECTION DISTRICT No. 6

SCALE	ZONING	G. L. W. FILE No.
1"=50'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
January, 2002	47 - 9/10 Parcel 10	12 OF 29

INTERSTATE ROUTE 95
REST STOP
STATE ROADS COMMISSION
TAX MAP 47, GRID 9, PARCEL 476

MIDDLE PATUXENT RIVER
LIMIT OF 100 YEAR FLOOD PLAIN

TENTATIVELY APPROVED
DEPT. OF PLANNING AND ZONING OF
HOWARD COUNTY
PLANNING DIRECTOR

EX. QUARRY
W.S. EL.=232.0
OPEN SPACE LOT 112
Proposed stormwater
Facility No.2

Boulder Ridge CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	171.74'	316.00'	88.05'	169.64'	N 46°49'49" W	31°08'24"
2	301.20'	180.00'	201.71'	268.60'	S 14°08'42" E	96°30'38"
3	103.10'	380.00'	51.78'	102.78'	N 26°20'16" E	15°32'42"
4	219.70'	390.00'	112.85'	216.81'	N 34°42'13" E	32°16'35"

Mass Cliff Court CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	68.52'	100.00'	32.32'	58.21'	N 61°03'56" E	28°00'00"
2	100.00'	211.00'	48.45'	95.17'	N 21°07'15" E	20°00'00"

Sheets 1, 9 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed areas on Open Space Lots 109 and 112 due to the grading around the quarry required by the Howard Soil Conservation District.



GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 200 - BURTONTVILLE OFFICE PARK
BURTONTVILLE, MARYLAND, 20866
TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

PREPARED FOR:
OWNER:
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044
PH: 410-992-6084
ATTN: MR. JOE NECKER

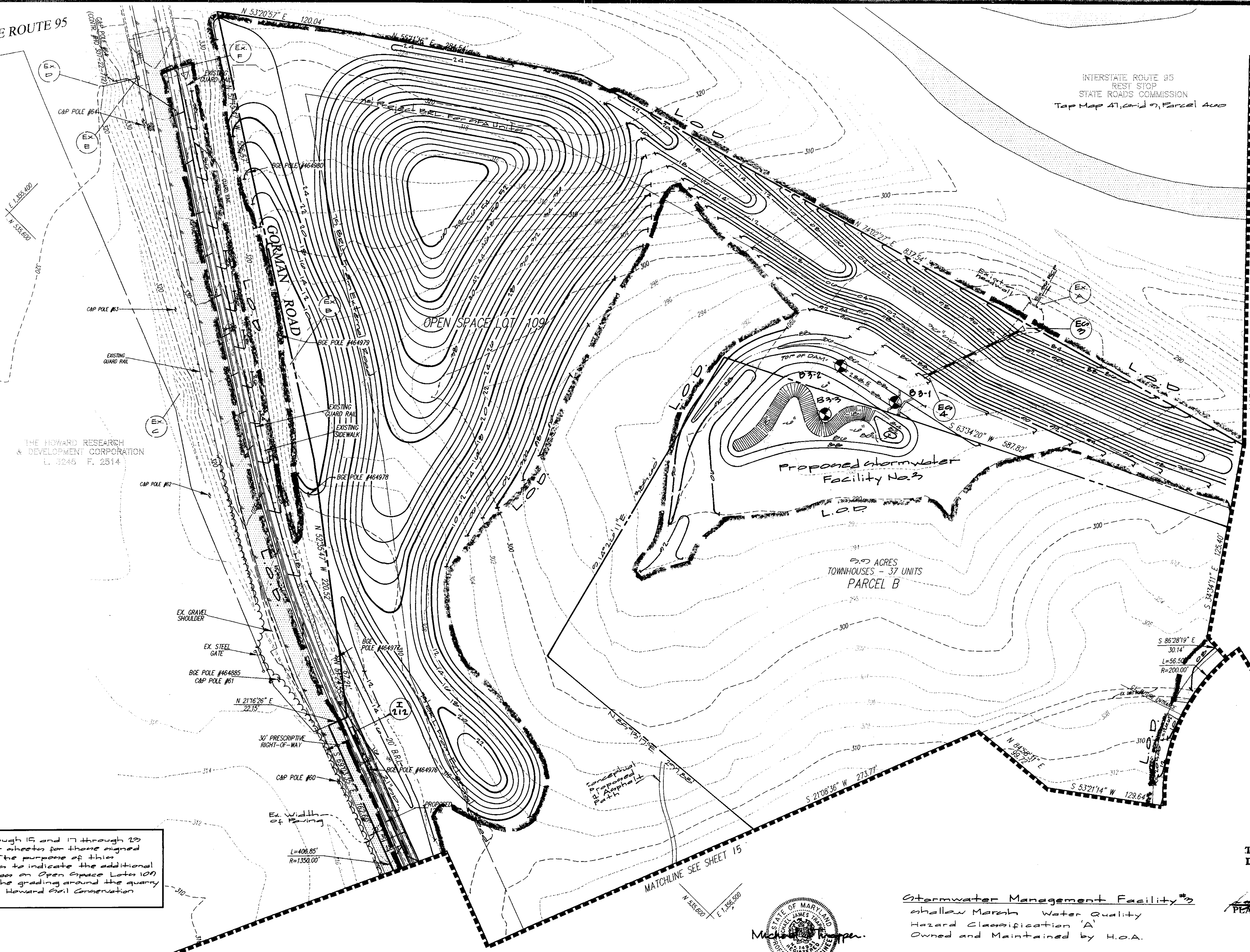
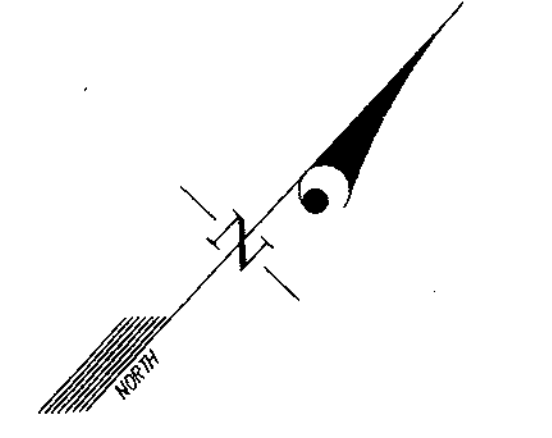
GRADING PLAN
STONE LAKE
LIBER 572 FOLIO 430
Lots 1 thru 100 and Open Space Lots 107 thru 115
Parcel A thru D
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE NO.
1"=50'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
January, 2002	47-9/10 P/O Parcel 476	13 OF 23

DESIGN: DRN. CHK: TOR DATE: 2/7/02
REVISION: Add grading around quarry & berm adj. to German @ 05
BY: APPR:

INTERSTATE ROUTE 95

INTERSTATE ROUTE 85
REST STOP
STATE ROADS COMMISSION
Tap Map 47, Grid 9, Parcel 400



THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
L. 3245 F. 2514

Proposed Stormwater Facility No. 3

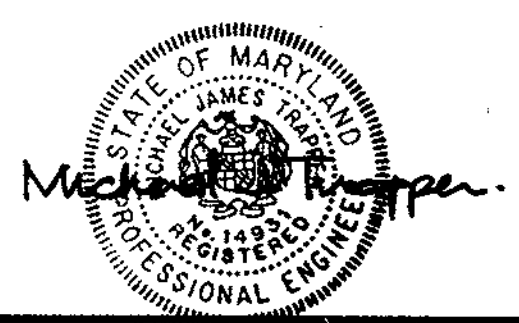
9.9 ACRES
TOWNHOUSES - 37 UNITS
PARCEL B

Sheets 1, 9 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed areas on Open Space Lots 109 and 112 due to the grading around the quarry required by the Howard Soil Conservation District.

TENTATIVELY APPROVED
DEPT. OF PLANNING AND ZONING OF
HOWARD COUNTY

PLANNING DIRECTOR 2/14/02 DATE

Stormwater Management Facility #3
shallow Marsh Water Quality
Hazard Classification 'A'
Owned and Maintained by H.O.A.



GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-999-2524 FAX: 301-421-4186

DESIGNER	CHKD BY	DATE	REVISION	BY	APP'R.
		2/7/02	Add grading around quarry & berm add to Gorman @ 05		

PREPARED FOR:
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATENT PARKWAY
COLUMBIA, MD 21044
PH: 410-992-6027
ATTN: MR. JOE HECKER

GRADING PLAN
STONE LAKE
LIBER 572 FOLIO 430
Lots 1 thru 106 and Open Space Lots 107 thru 115
Parcel A thru D
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND

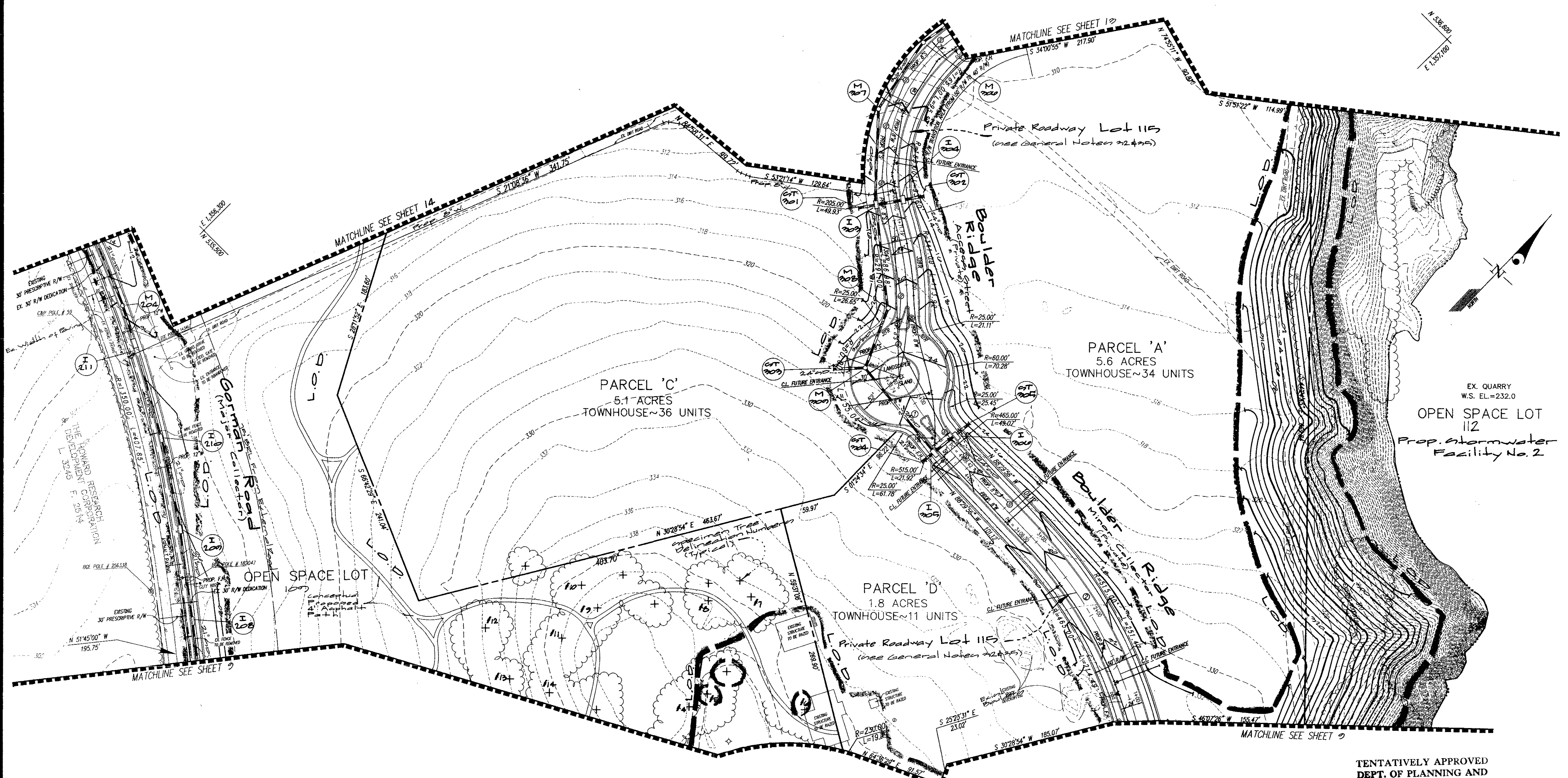
SCALE	ZONING	G. L. W. FILE No.
1"=50'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
January, 2002	47 - 9/10	14 OF 23

Boulder Ridge ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
1	124.31	490.00	62.49	123.98	S 81°13'52" E	14°32'09"
2	308.30	490.00	159.45	303.24	S 70°28'26" E	36°03'00"

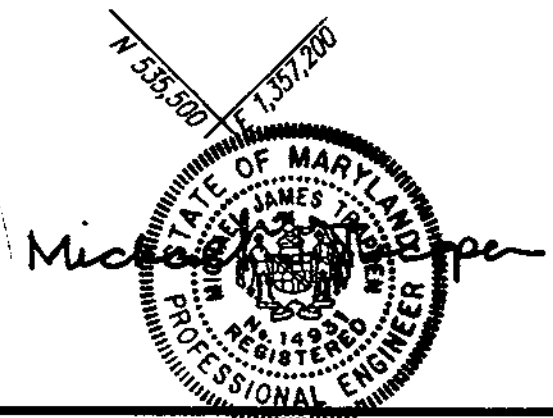
Boulder Ridge ~ CENTERLINE CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
3	171.74	316.00	88.05	169.64	N 46°49'49" W	31°08'24"
4	303.20	180.00	201.71	268.60	N 14°08'42" W	98°30'38"



TENTATIVELY APPROVED
 DEPT. OF PLANNING AND ZONING OF
 HOWARD COUNTY
 [Signature] 2/14/02
 PLANNING DIRECTOR DATE

Sheets 1, 7 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed areas on Open Space Lots 100 and 112 due to the grading around the quarry required by the Howard Soil Conservation District.



GLW GUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3903 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DES.	DRN.	ROS.	CHKD.	DATE	REVISION	BY	APPR.
				2/17/02	Add grading around quarry & berm adj. to German @ 03		

PREPARED FOR:
 OWNER:
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
 10275 LITTLE PATENT PARKWAY
 COLUMBIA, MD 21044
 PH: 410-392-6084
 ATTN: MR. JOE NECKER

GRADING PLAN
STONE LAKE
 LIBER 572 FOLIO 430
 Lots 1 thru 100 and Open Space Lots 107 thru 115
 Parcels A thru D
 HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT No. 6

SCALE	ZONING	G. L. W. FILE No.
1"=50'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
January, 2002	47 - 9/10	15 OF 23

PERIMETER LANDSCAPE EDGE Category	Adj. to Roadways				Adj. to Perimeter Property				
	5	1	2	3	4	1	2	3	4
Linear Feet of Roadway/Perimeter Frontage	1952	2310	4799	1152	1626				
Credit for Ex. Vegetation (Yes, No, Linear Feet) (describe below if needed)	NO	YES 220	YES 4799	YES 200	NO				
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (describe below if needed)	NO	NO	NO	NO	NO				
Number of Plants Required	32	34	0	15	30				
Shade Trees	0	0	0	0	0				
Evergreen Trees	0	0	0	0	0				
Shrub	0	0	0	0	0				

SCHEDULE D Sec. 16.124 (2) STORMWATER MANAGEMENT AREA LANDSCAPING	POND A		POND B	
	Linear Feet of Perimeter:	913 LINEAR FEET		1120 LINEAR FEET
Number of Trees Required	B BUFFER: 1:40 SHADE, 1:50 EVERGREEN 22 Shade Trees 18 Evergreen Trees		B BUFFER: 1:40 SHADE, 1:50 EVERGREEN 28 Shade Trees 22 Evergreen Trees	
Credit for Other Vegetation (No, Yes, and %)	NO		NO	
Credit for Existing Vegetation (No, Yes, and %)	NO		NO	



TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY

Michael J. Ferguson
PLANNING DIRECTOR

5/16/01
DATE



GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20886
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APP'R.

PREPARED FOR:
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044

PH: 410-992-6084
ATTN: MR. JOE NECKER

PRELIMINARY LANDSCAPE CONCEPT PLAN
STONE LAKE
LIBER 572 FOLIO 430
Lots 1 thru 100 and Open Space Lots 107 thru 115
Parcels A thru D
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND

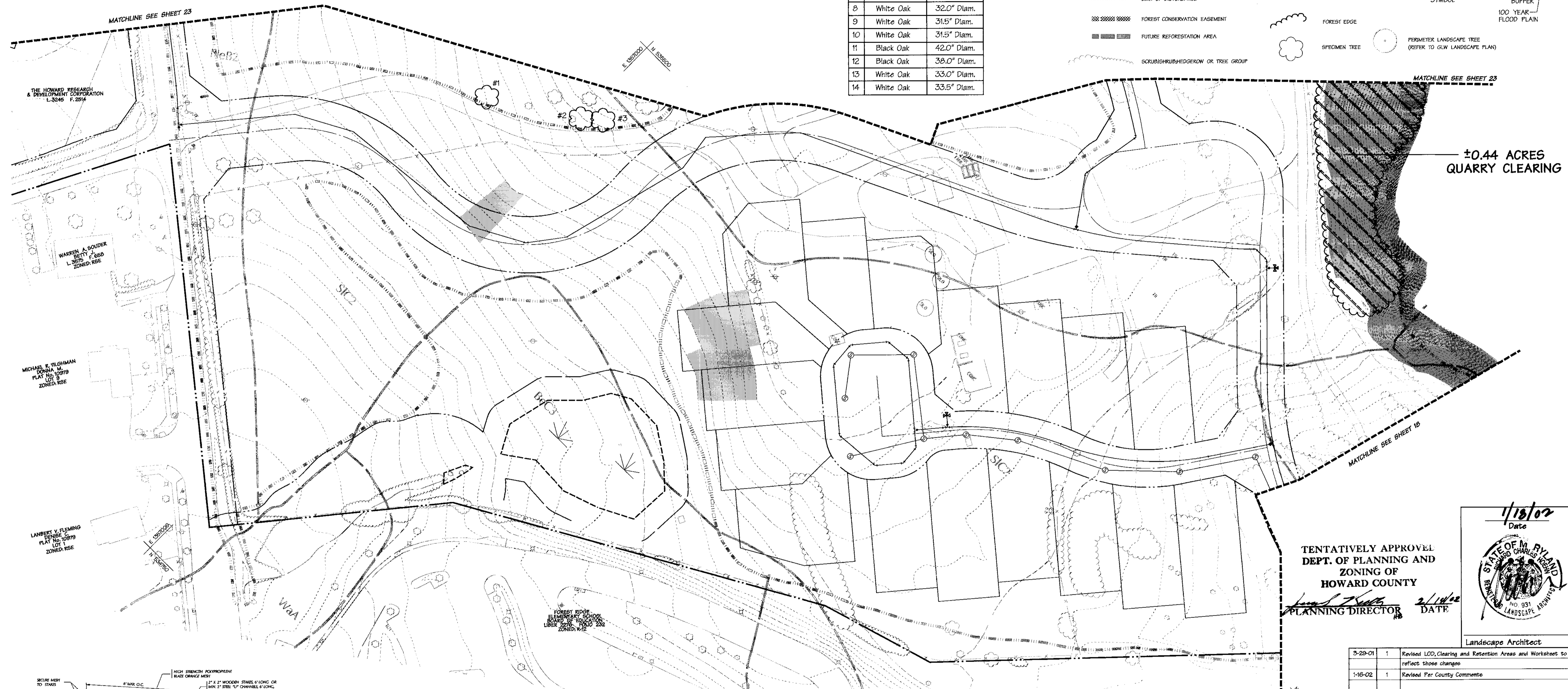
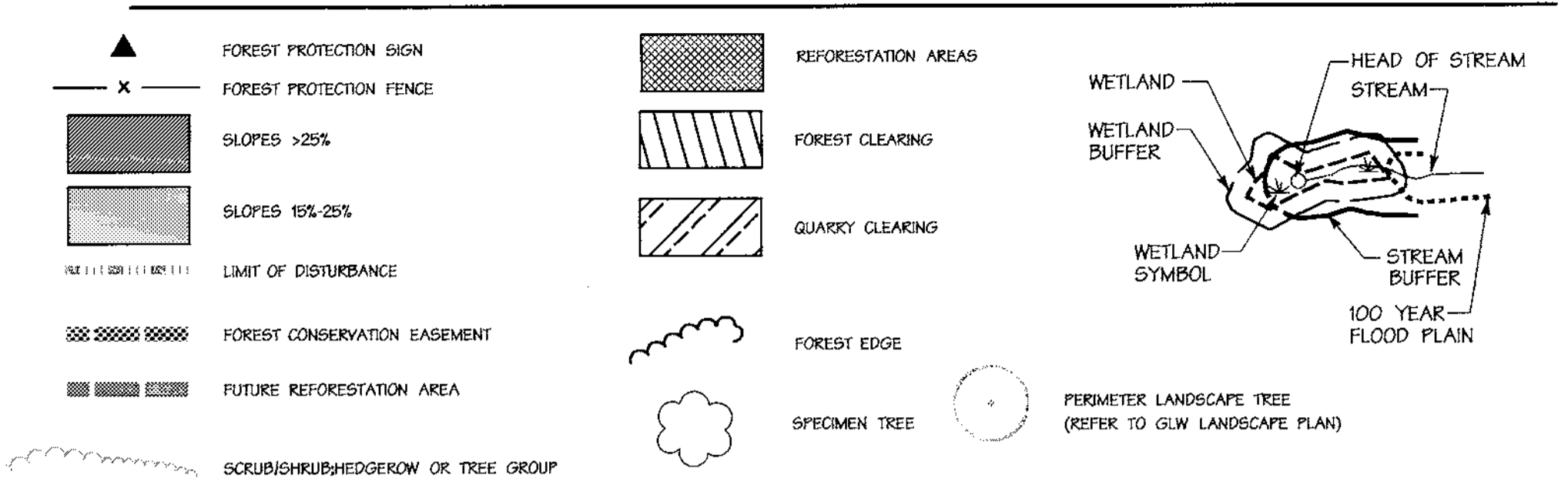
SCALE	ZONING	G. L. W. FILE No.
1"=200'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
JANUARY 2001	47 - 9/10	10 of 23

99140PLC.DWG 4-25-01 2:54:10 pm EST

SPECIMEN TREES

1	White Oak	38.0" Diam.
2	White Oak	36.5" Diam.
3	White Oak	35.0" Diam.
4	White Oak	36.0" Diam.
5	White Oak	34.0" Diam.
6	White Oak	39.0" Diam.
7	White Oak	33.5" Diam.
8	White Oak	32.0" Diam.
9	White Oak	31.5" Diam.
10	White Oak	31.5" Diam.
11	Black Oak	42.0" Diam.
12	Black Oak	38.0" Diam.
13	White Oak	33.0" Diam.
14	White Oak	33.5" Diam.

Legend



THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
L-3246 F-2514

WARREN A. BOUDER
BETTY L. SMITH
L-3246 F-2514
ZONED, RSE

MICHAEL R. TILGHMAN
DONNA M. HARRIS
L-3246 F-2514
ZONED, RSE

LANBERT V. FLEMING
JENNIFER M. HARRIS
L-3246 F-2514
ZONED, RSE

FOREST RIDGE ELEMENTARY SCHOOL
LIBERTY LANE
L-3246 F-2514
ZONED, RSE

±0.44 ACRES
QUARRY CLEARING

TENTATIVELY APPROVAL
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY
PLANNING DIRECTOR DATE



3-29-01	1	Revised LOD, Clearing and Retention Areas and Worksheet to reflect those changes
1-16-02	1	Revised Per County Comments

Date No. Revision Description

STONE LAKE

OWNER/DEVELOPER:
THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
10275 Little Patuxent Parkway
Columbia, Maryland 21044

DMW
Daft · McCune · Walker, Inc.
A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
200 East Pennsylvania Avenue
Towson, Maryland 21286
410 296 3333
Fax 296 4705

PROJECT NAME	STONE LAKE	DISTRICT AREA	CD/PROJECT #
PLATE OR SUP.	PLATE #	ZONE	TAX/ZONE MAP
		RED	47
		ELECTION	6 TH
		OWNER CODE	

TITLE
PRELIMINARY FOREST CONSERVATION PLAN

Drn By:	BKC	Scale:	1"=50'	Proj. No.:	95054.E2
Des By:	HRD	Date:	1-17-01		
Chk By:		Approved:			

GOALS AND OBJECTIVES

The goals and objectives of this Preliminary Forest Conservation Plan are to provide for short-term forest retention area protection, and to provide for reforestation to offset all proposed forest clearing for the project.

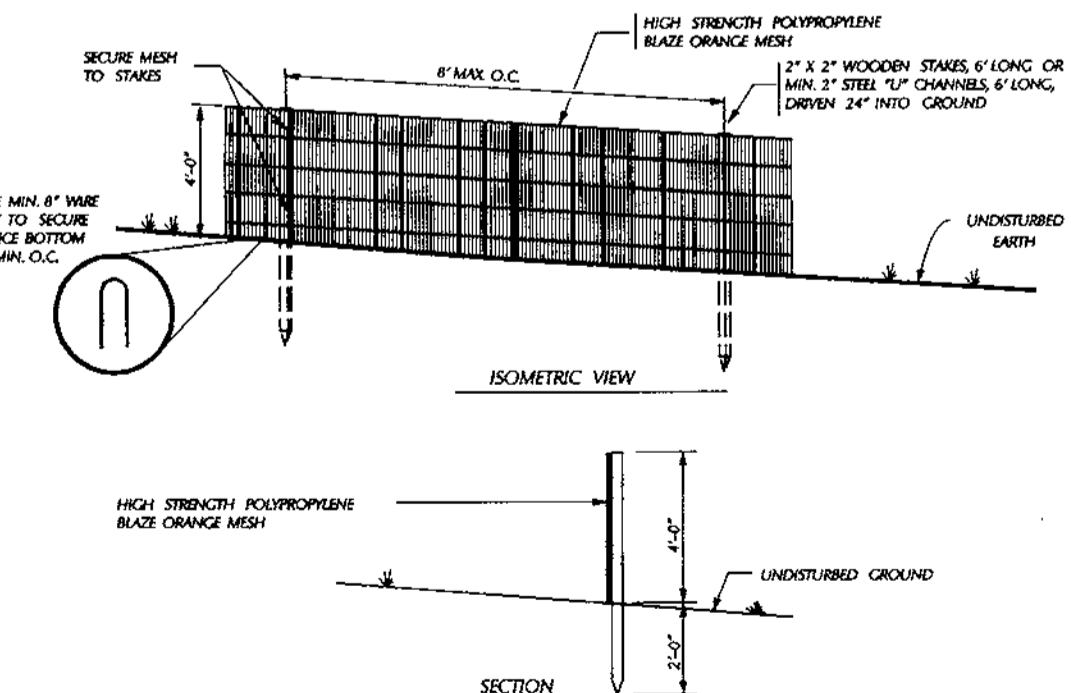
A total of approximately 10.23 acres of forest clearing (7.39 acres outside of the quarry; 2.85 acres associated with the quarry reclamation) are necessary for development of the site and reclamation of the quarry. The anticipated 7.39 acres of clearing outside the quarry generates a 7.15 acre reforestation requirement (based on standard Forest Conservation Worksheet calculations). The additional 2.85 acres of clearing anticipated within the quarry generates a 0.71 acre reforestation requirement (based on the negotiated 0.25:1 replacement ratio approved by MD DNR). In total, approximately 7.86 acres of reforestation are required.

Approximately 3.54 acres of additional forest retention credit have been derived from development of Emerson Section I (F-01-140) and will be used to partially defray the reforestation requirement for Stone Lake (7.08 acres excess retention x 0.5 = 3.54 acres of credit). The remaining 4.32 acre reforestation requirement for Stone Lake will be satisfied on-site at the location shown herein.

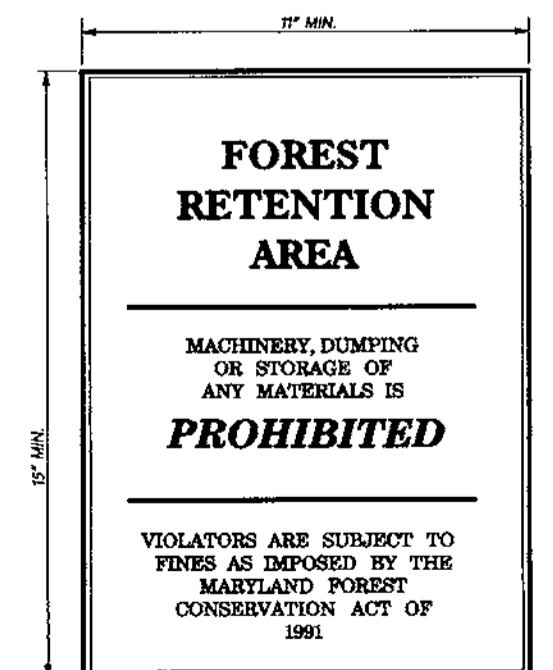
Short-term forest retention area protection will be accomplished by identifying those areas and indicating the locations of forest protection fencing and signage. Establishing these short-term protection measures prior to any earth-moving activities will help ensure that these areas will not be disturbed during construction activities.

Areas shown herein as "Future Forest Conservation Area" may be reforested at a later date to satisfy potential reforestation requirements for other projects. Protective easements will be established at that time.

Sheets 1, 9 through 15 and 17 through 29 are replacement sheets for those signed on May 4, 2002. The purpose of this substitution is to indicate the additional disturbed area on Open Space Lots 100 and 112 due to the grading around the quarry required by The Howard Soil Conservation District.



- NOTES:
- THIS DETAIL IS FOR FOREST PROTECTION DEVICE ONLY
 - FOREST RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS
 - BOUNDARIES OF FOREST RETENTION AREA SHOULD BE STAKED AND FLAGGED FROM TO PARALLELING THE DEVICE
 - ROOT DAMAGE SHALL BE AVOIDED
 - PROTECTION SIGNAGE MAY ALSO BE USED
 - FOREST PROTECTION FENCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION



SIGNS MAY NOT BE ATTACHED TO TREES.

Forest Protection Fence
Not To Scale

Forest Retention Area Signage
Not To Scale

Legend

	FOREST PROTECTION SIGN		REFORESTATION AREAS		WETLAND BUFFER		HEAD OF STREAM
	FOREST PROTECTION FENCE		FOREST CLEARING		WETLAND SYMBOL		STREAM BUFFER
	SLOPES >25%		QUARRY CLEARING		FOREST EDGE		100 YEAR FLOOD PLAIN
	SLOPES 15%-25%		FOREST EDGE		SPECIMEN TREE		PERIMETER LANDSCAPE TREE (REFER TO GLW LANDSCAPE PLAN)
	LIMIT OF DISTURBANCE						
	FOREST CONSERVATION EASEMENT						
	FUTURE REFORESTATION AREA						
	SCRUBSHRUB/HEDGE/ROW OR TREE GROUP						



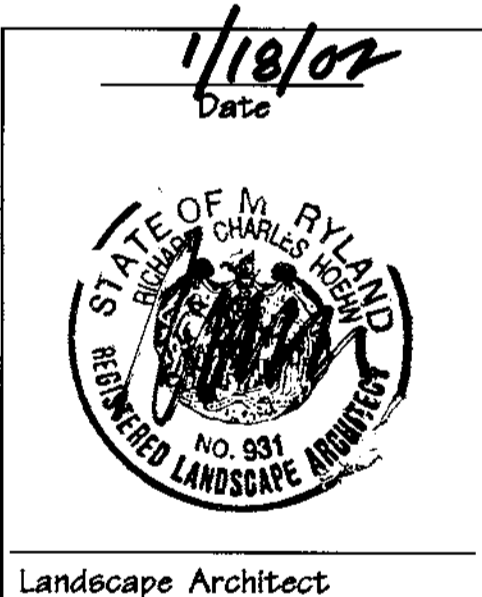
FOREST CONSERVATION CALCULATIONS

BASIC SITE DATA	ACRES (NO.)
GROSS SITE AREA	137.5
AREA WITHIN 100 YEAR FLOODPLAIN	7.6
AREA WITHIN AGRICULTURAL USE OR PRESERVATION PARCEL (IF APPLICABLE)	0.0
NET TRACT AREA	130.34
LAND USE CATEGORY	RED
INFORMATION FOR CALCULATIONS	
A. NET TRACT AREA	130.34
B. REFORESTATION THRESHOLD (20% x A)	26.07
C. AFFORESTATION MINIMUM (5% x A)	13.02
D. EXISTING FOREST ON NET TRACT AREA	30.41
E. FOREST AREAS TO BE CLEARED	7.38
F. FOREST AREAS TO BE RETAINED	23.04
REFORESTATION CALCULATIONS	
A. NET TRACT AREA	130.34
B. REFORESTATION THRESHOLD (20% x A)	26.07
C. EXISTING FOREST ON NET TRACT AREA	30.41
D. FOREST AREAS TO BE CLEARED	7.38
E. FOREST AREAS TO BE RETAINED	23.04
F. FOREST AREAS CLEARED ABOVE REFORESTATION THRESHOLD	4.35
G. FOREST AREAS CLEARED BELOW REFORESTATION THRESHOLD	0.0
H. FOREST AREAS RETAINED ABOVE REFORESTATION THRESHOLD	0.0
CLEARING BELOW THE THRESHOLD	
IF FOREST AREAS TO BE RETAINED ARE LESS THAN THE REFORESTATION THRESHOLD (IF E IS LESS THAN B), THE FOLLOWING CALCULATIONS APPLY:	
REFORESTATION FOR CLEARING ABOVE THRESHOLD	1.09
REFORESTATION FOR CLEARING BELOW THRESHOLD	6.06
TOTAL REFORESTATION REQUIRED	7.15
(F414) + (G42)	

* 2.861 ACRES FOREST CLEARING ASSOCIATED WITH QUARRY RECLAMATION GENERATES A 0.71 ACRE REFORESTATION REQUIREMENT FOR A TOTAL OF 7.861 ACRES OF REFORESTATION.

TENTATIVELY APPROVE
DEPT. OF PLANNING AND ZONING OF
HOWARD COUNTY

PLANNING DIRECTOR DATE



3-29-01	1	Revised LOD, Clearing and Retention Areas and Worksheet to reflect those changes
1-16-02	1	Revised Per County Comments
Date	No.	Revision Description

STONE LAKE

OWNER/ DEVELOPER:
THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
10275 Little Patuxent Parkway
Columbia, Maryland 21044

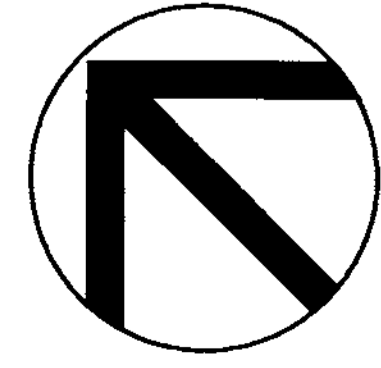
DMW
Daft · McCune · Walker, Inc.
A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
200 East Pennsylvania Avenue
Towson, Maryland 21286
410 296 3333
Fax: 296 4705

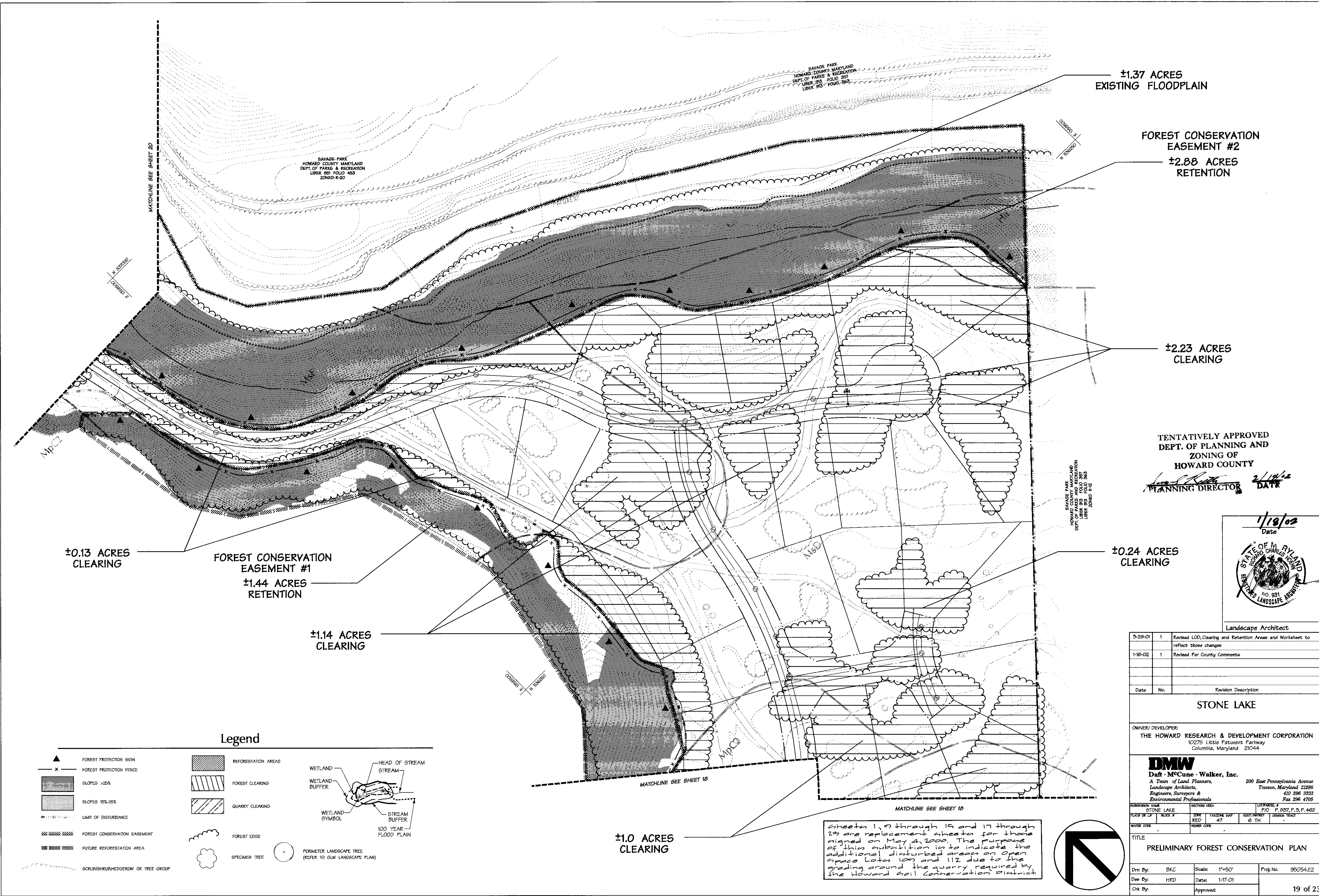
SUBDIVISION NAME	SECTION AREA	LOT/PARCEL #
STONE LAKE		P/O P. 887, P. 3, P. 462
PLAT OR LOT	BLOCK #	ZONE
		TAXING MAP
		ELECTRICAL
		GENERIC TRACT
WATER CODE	SEWER CODE	

TITLE
PRELIMINARY FOREST CONSERVATION PLAN

Drn By:	BKC	Scale:	1"=50'	Proj. No.	05054.E2
Des By:	HRD	Date:	1-17-01		
Chk By:		Approved:			18 of 23

Sheets 1, 9 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed area on Open Space Lots 100 and 112 due to the grading around the quarry required by the Howard Soil Conservation District.





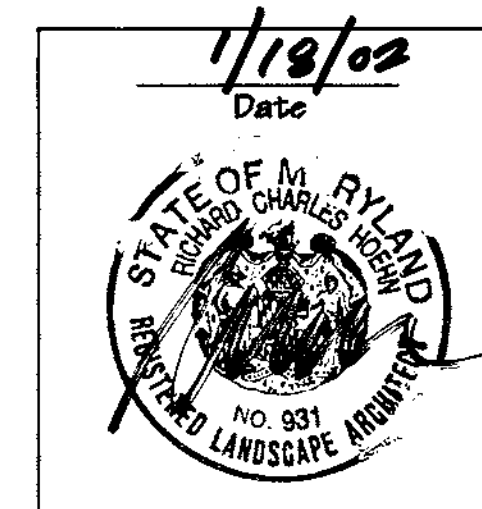
±1.37 ACRES
EXISTING FLOODPLAIN

FOREST CONSERVATION
EASEMENT #2
±2.88 ACRES
RETENTION

±2.23 ACRES
CLEARING

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY

[Signature]
PLANNING DIRECTOR DATE 2/18/02



±0.24 ACRES
CLEARING

FOREST CONSERVATION
EASEMENT #1
±1.44 ACRES
RETENTION

±0.13 ACRES
CLEARING

±1.14 ACRES
CLEARING

±1.0 ACRES
CLEARING

Legend

- ▲ FOREST PROTECTION SIGN
- FOREST PROTECTION FENCE
- ▨ SLOPES >25%
- ▩ SLOPES 15%-25%
- LIMIT OF DISTURBANCE
- ▤ FOREST CONSERVATION EASEMENT
- ▥ FUTURE REFORESTATION AREA
- ~ SCRUBSHRUBBEDGEROW OR TREE GROUP
- ▨ REFORESTATION AREAS
- ▩ FOREST CLEARING
- ▤ QUARRY CLEARING
- WETLAND BUFFER
- WETLAND SYMBOL
- HEAD OF STREAM
- STREAM BUFFER
- 100 YEAR-FLOOD PLAN
- FOREST EDGE
- SPECIMEN TREE
- PERIMETER LANDSCAPE TREE (REFER TO GLW LANDSCAPE PLAN)

Sheets 1, 7 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed areas on Open Space Lots 100 and 112 due to the grading around the quarry required by the Howard Soil Conservation District.

3-29-01	1	Revised LOD, Clearing and Retention Areas and Worksheets to reflect those changes
1-16-02	1	Revised Per County Comments
Date	No.	Revision Description

STONE LAKE

OWNER/ DEVELOPER:
THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
10275 Little Patuxent Parkway
Columbia, Maryland 21044

DMW
Daft · McCune · Walker, Inc.
A Team of Land Planners,
Landscape Architects,
Engineers, Surveyors &
Environmental Professionals
200 East Pennsylvania Avenue
Towson, Maryland 21286
410 286 3333
Fax 286 4706

PROJECT NAME	SECTION AREA	LOT/PARCEL #
STONE LAKE	P/D	P. 807, P. 3, P. 462
PLAT OR L.P.	BLK #	ZONE
	RED	42
WATER CODE	SEWER CODE	REVISIONS
		6, 11

TITLE
PRELIMINARY FOREST CONSERVATION PLAN

Drn By:	BKC	Scale:	1"=50'	Proj. No.:	96054.E2
Des By:	HRD	Date:	1-17-01		
Chk By:		Approved:			19 of 23

SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS & RECREATION
LIBER 913 FOLIO 363
ZONED: R-20

SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS & RECREATION
LIBER 921 FOLIO 453
ZONED: R-20

±4.93 ACRES
EXISTING FLOODPLAIN

FOREST CONSERVATION
EASEMENT #2

±4.67 ACRES
RETENTION

FOREST CONSERVATION
EASEMENT #2

±6.37 ACRES
RETENTION

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY

[Signature]
PLANNING DIRECTOR *2/14/02*
DATE

Sheets 1, 9 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed area on open space lots 100 and 112 due to the grading around the quarry required by the Howard soil conservation district.

Legend

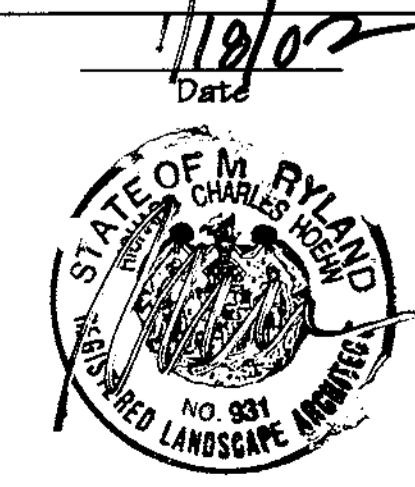
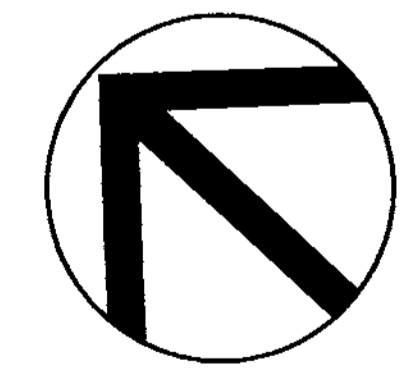
- ▲ FOREST PROTECTION SIGN
- X- FOREST PROTECTION FENCE
- [Stippled] SLOPES >25%
- [Cross-hatched] SLOPES 15%-25%
- [Dashed] LIMIT OF DISTURBANCE
- [Dotted] FOREST CONSERVATION EASEMENT
- [Dashed] FUTURE REFORESTATION AREA
- [Wavy] SCRUBSHRUB/HEDGEROW OR TREE GROUP
- [Diagonal lines] REFORESTATION AREAS
- [Horizontal lines] FOREST CLEARING
- [Vertical lines] QUARRY CLEARING
- [Wavy] WETLAND
- [Dashed] WETLAND BUFFER
- [Dotted] WETLAND SYMBOL
- [Dashed] HEAD OF STREAM
- [Dashed] STREAM
- [Dashed] STREAM BUFFER
- [Dashed] 100 YEAR FLOOD PLAIN
- [Circle] SPECIMEN TREE
- [Circle] PERIMETER LANDSCAPE TREE (REFER TO GLW LANDSCAPE PLAN)

±2.17 ACRES
CLEARING

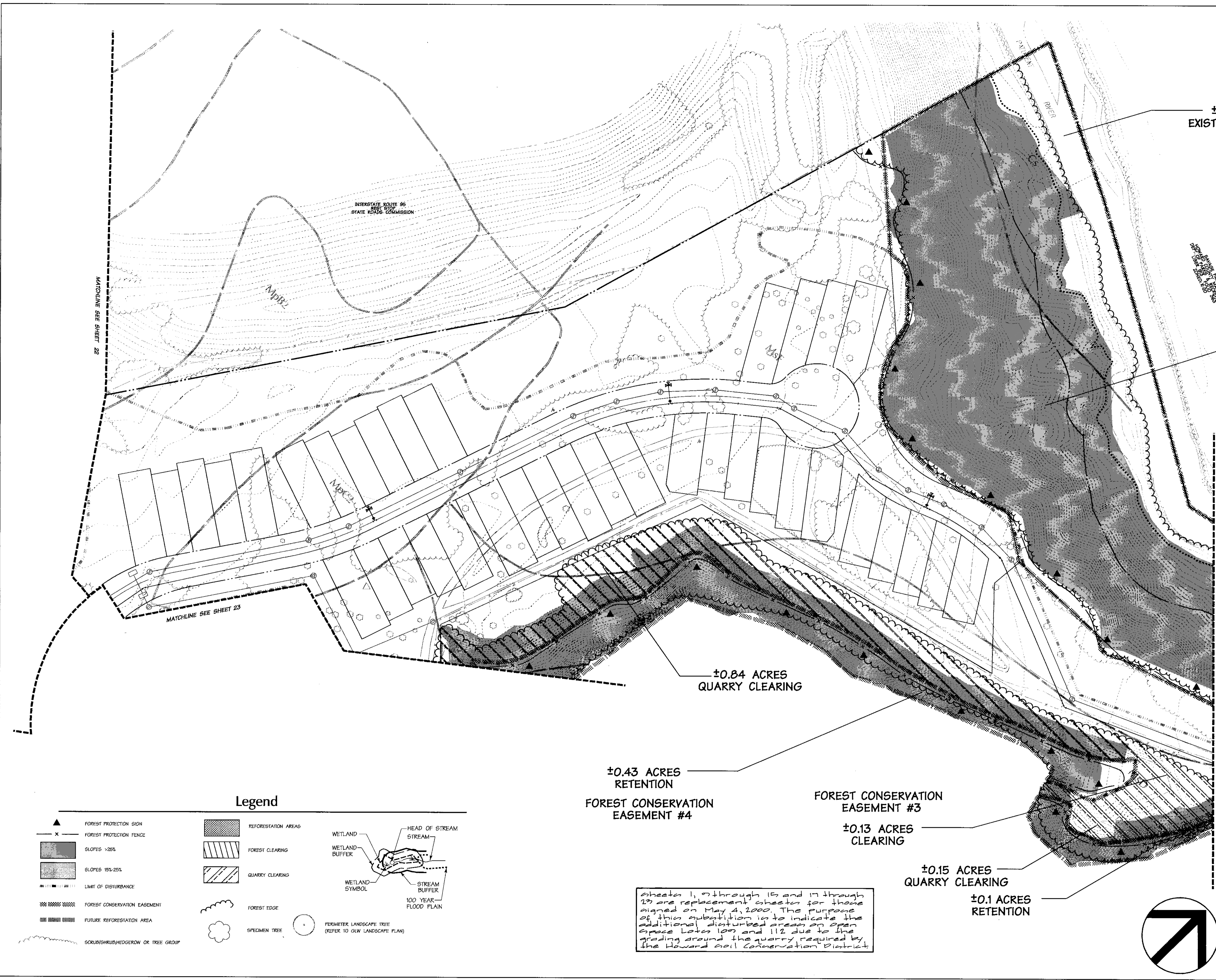
±0.12 ACRES
CLEARING

±0.36 ACRES
RETENTION
FOREST CONSERVATION
EASEMENT #3

±0.39 ACRES
QUARRY CLEARING



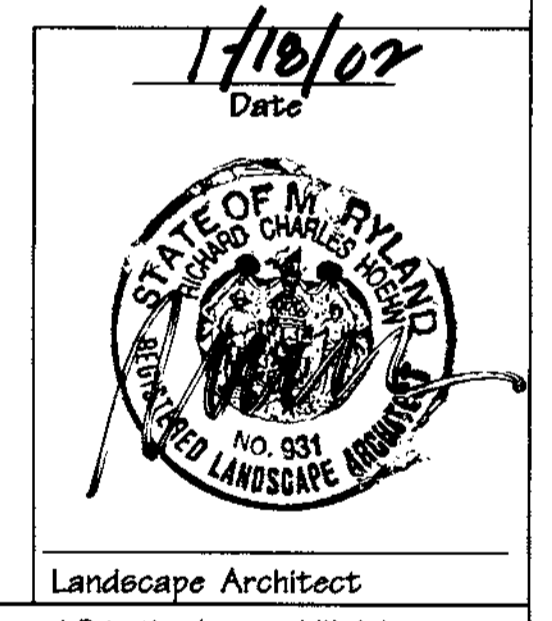
9-29-01	1	Revised LOD, Clearing and Retention Areas and Worksheet to reflect those changes
1-16-02	1	Revised Per County Comments
Date	No.	Revision Description
STONE LAKE		
OWNER/ DEVELOPER: THE HOWARD RESEARCH & DEVELOPMENT CORPORATION 10275 Little Patuxent Parkway Columbia, Maryland 21044		
DMW Daft · McCune · Walker, Inc. A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals 200 East Pennsylvania Avenue Towson, Maryland 21286 410 296 3333 Fax 296 4705		
DESIGNWORK NAME	SECTION AREA	LOT/PARCEL #
STONE LAKE		P/O P. 207, P. 3, P. 402
PLAT OR LOT	BLOCK #	ZONE
		FAVORABLE MAP 47
WATER CODE	SEWER CODE	RECYCLED PAPER 6 TH
TITLE PRELIMINARY FOREST CONSERVATION PLAN		
Drn By:	BKC	Scale: 1"=50'
Des By:	HRD	Proj. No. 95054.E2
Clk By:		Date: 1-17-01
		Approved: _____
		20 of 23



±0.86 ACRES
EXISTING FLOODPLAIN

FOREST CONSERVATION
EASEMENT #2
±3.03 ACRES
RETENTION

APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY
[Signature]
PLANNING DIRECTOR DATE 2/14/02



3-29-01	1	Revised LOD, Clearing and Retention Areas and Worksheet to reflect those changes
1-16-02	1	Revised Per County Comments
Date	No.	Revision Description

STONE LAKE

OWNER/DEVELOPER:
THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
10275 Little Patuxent Parkway
Columbia, Maryland 21044

DMW
Daft · McCune · Walker, Inc.
A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
200 East Pennsylvania Avenue
Towson, Maryland 21286
410 296 3333 Fax 296 4705

SUBDIVISION NAME	SECTION AREA	LOT/FACILITY #
STONE LAKE		P/O P. 837, P. 3, P. 462
PLAT OR LOT	BLOCK #	ZONE TAXING MAP
	RED	47
WATER CODE	SEWER CODE	ELECT. METER
		6 TH

TITLE
PRELIMINARY FOREST CONSERVATION PLAN

Des By:	BKC	Scale:	1"=50'	Proj. No.	95054.E2
Des By:	HRD	Date:	1-17-01		
Chk By:		Approved:			21 of 23

Legend

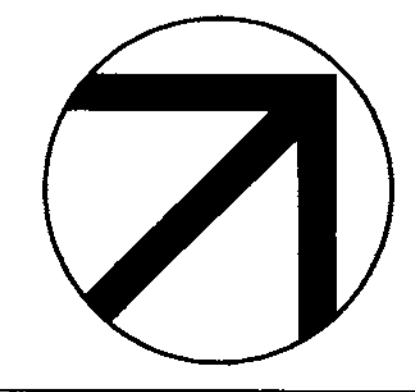
- ▲ FOREST PROTECTION SIGN
- FOREST PROTECTION FENCE
- SLOPES >25%
- SLOPES 15%-25%
- LIMIT OF DISTURBANCE
- ▨ FOREST CONSERVATION EASEMENT
- ▨ FUTURE REFORESTATION AREA
- SCRUB/SHRUB/LEDGEROW OR TREE GROUP
- ▨ REFORESTATION AREAS
- ▨ FOREST CLEARING
- ▨ QUARRY CLEARING
- FOREST EDGE
- SPECIMEN TREE
- PERIMETER LANDSCAPE TREE (REFER TO GLW LANDSCAPE PLAN)
- WETLAND
- WETLAND BUFFER
- WETLAND SYMBOL
- HEAD OF STREAM
- STREAM
- STREAM BUFFER
- 100 YEAR FLOOD PLAIN

±0.43 ACRES
RETENTION
FOREST CONSERVATION
EASEMENT #4

FOREST CONSERVATION
EASEMENT #3
±0.13 ACRES
CLEARING

±0.15 ACRES
QUARRY CLEARING
±0.1 ACRES
RETENTION

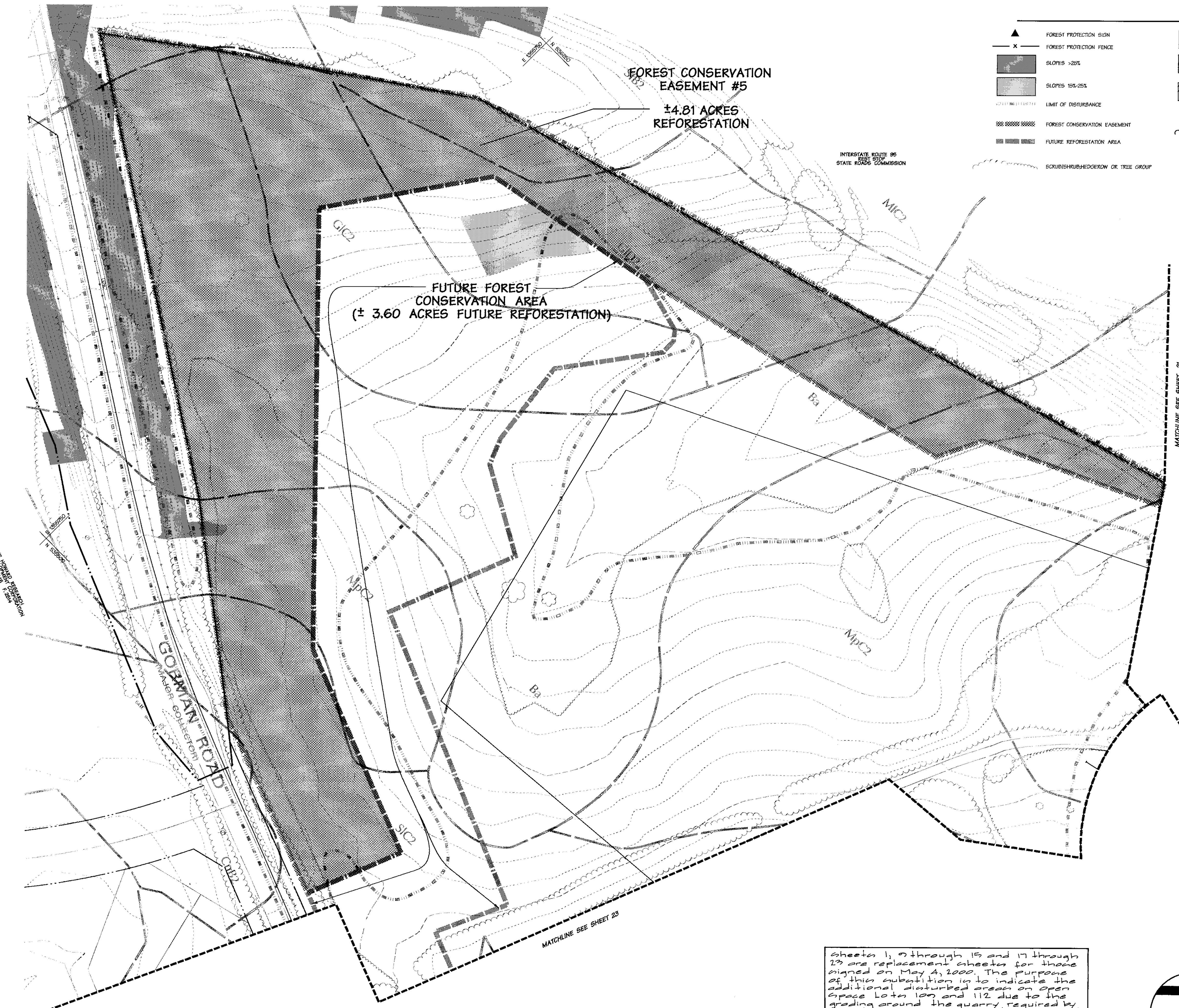
Sheets 1, 9 through 15 and 17 through 19 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed areas on open space lots 109 and 112 due to the grading around the quarry required by the Howard Soil Conservation District.



Legend

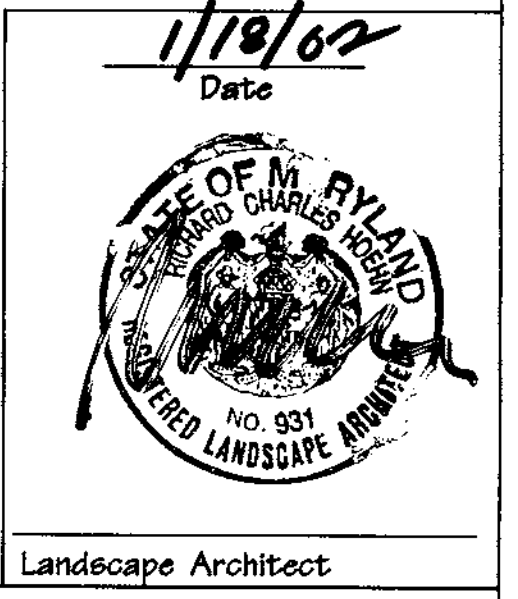
- ▲ FOREST PROTECTION SIGN
- x— FOREST PROTECTION FENCE
- [Stippled Box] SLOPES >25%
- [Diagonal Lines Box] SLOPES 15%-25%
- LIMIT OF DISTURBANCE
- FOREST CONSERVATION EASEMENT
- FUTURE REFORESTATION AREA
- SCRUBSHRUB/HEDGEROW OR TREE GROUP
- [Cross-hatched Box] REFORESTATION AREAS
- [Diagonal Lines Box] FOREST CLEARING
- [Diagonal Lines Box] QUARRY CLEARING
- [Cloud-like Shape] FOREST EDGE
- [Cloud-like Shape] SPECIMEN TREE
- [Circle with X] PERIMETER LANDSCAPE TREE (REFER TO GLW LANDSCAPE PLAN)
- [Diagram] WETLAND (HEAD OF STREAM, STREAM, WETLAND BUFFER, WETLAND SYMBOL, STREAM BUFFER, 100 YEAR FLOOD PLAIN)

MATCHLINE SEE SHEET 23



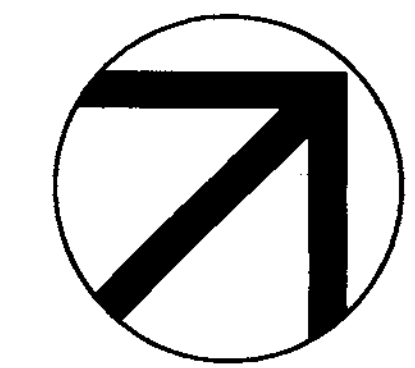
TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY

James L. Brown 2/14/02
PLANNING DIRECTOR DATE



3-29-01	1	Revised LOD, Clearing and Retention Areas and Worksheet to reflect those changes
1-16-02	1	Revised Per County Comments
Date No. Revision Description		
STONE LAKE		
OWNER/ DEVELOPER: THE HOWARD RESEARCH & DEVELOPMENT CORPORATION 10275 Little Patuxent Parkway Columbia, Maryland 21044		
DMW Daft · McCune · Walker, Inc. A Team of Land Planners, Engineers, Surveyors & Environmental Professionals 200 East Pennsylvania Avenue Towson, Maryland 21286 410 296 3333 Fax 296 4705		
PROJECT NAME STONE LAKE	SECTION AREA BLOCK #	LOT/FACIL # P/O P. 807, P. 3, P. 462
PLAT OR L.P. REED	TAXING MAP 47	ELECTRICAL 6 TH
WATER CODE	SEWER CODE	GENERIC TRACT
TITLE PRELIMINARY FOREST CONSERVATION PLAN		
Drn By: BKC	Scale: 1"=50'	Proj. No. 95054.E2
Des By: HRD	Date: 1-17-01	
Chk By:	Approved:	22 of 23

Sheets 1, 9 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed areas on open space lots 109 and 112 due to the grading around the quarry required by the Howard soil Conservation District.





TENTATIVELY APPROVED
 DEPT. OF PLANNING AND
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[Signature] 2/14/02
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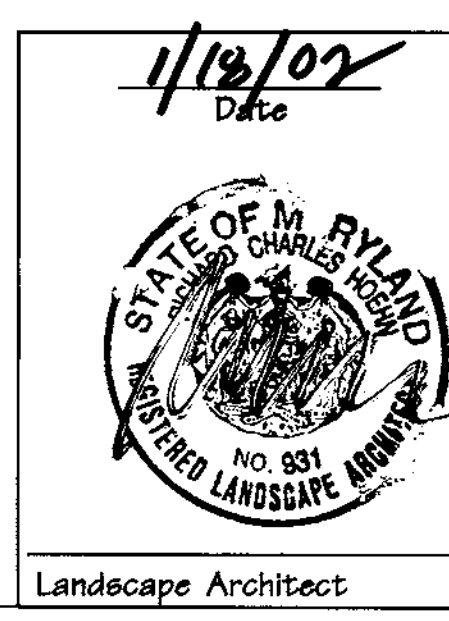
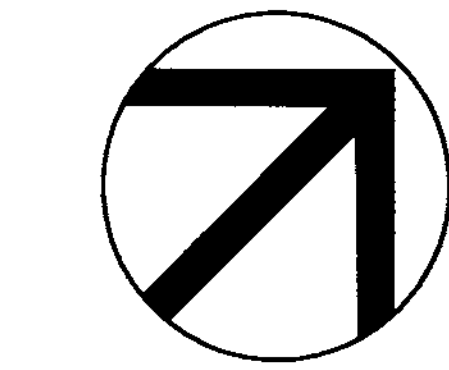
STONE LAKE
 OWNER/ DEVELOPER:
 THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
 10275 Little Patuxent Parkway
 Columbia, Maryland 21044

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 200 East Pennsylvania Avenue
 Towson, Maryland 21286
 410 286 3333
 Fax 286 4705

PROJECT NAME	SECTION AREA	DIFFERENCE #
STONE LAKE		
PLAT OR L.P.	BLK #	ZONE
		PAVING MAP
		47
		6 TH

TITLE
PRELIMINARY FOREST CONSERVATION PLAN

Drn By: BKC	Scale: 1"=50'	Proj. No. 95054.E2
Des By: HRD	Date: 1-17-01	
Chk By:	Approved:	23 of 23



Sheets 1, 7 through 15 and 17 through 23 are replacement sheets for those signed on May 4, 2000. The purpose of this substitution is to indicate the additional disturbed areas on open space lots 100 and 112 due to the grading around the quarry required by the Howard Soil Conservation District.

Legend

- ▲ FOREST PROTECTION SIGN
- x — FOREST PROTECTION FENCE
- SLOPES >25%
- SLOPES 15%-25%
- ||| LIMIT OF DISTURBANCE
- ▨ FOREST CONSERVATION EASEMENT
- ▨ FUTURE REFORESTATION AREA
- ~ SCRUBSHRUB/HEDGEROW OR TREE GROUP
- ▨ REFORESTATION AREAS
- ▨ FOREST CLEARING
- ▨ QUARRY CLEARING
- FOREST EDGE
- SPECIMEN TREE
- PERIMETER LANDSCAPE TREE (REFER TO GLW LANDSCAPE PLAN)
- WETLAND
- WETLAND BUFFER
- WETLAND SYMBOL
- HEAD OF STREAM
- STREAM
- STREAM BUFFER
- 100 YEAR FLOOD PLAIN