

THE QUARRY
COMMUNITY DEVELOPMENT DISTRICT
COLLIER COUNTY, FLORIDA

STORMWATER LAKES
ANNUAL ASSESSMENT REPORT
JULY 2025



*Engineers
Architects
Planners
Surveyors
Landscape Architects
Traffic/Transportation
Environmental Scientists
Construction Management*

CPH, Inc.
2216 Altamont Ave., Fort Myers, FL 33901
(239) 332-5499

THE QUARRY CDD
STORMWATER LAKES ASSESSMENT REPORT
COLLIER COUNTY, FLORIDA

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1.0 EXECUTIVE SUMMARY

CPH conducted inspection of the Quarry Community Development District's (TQCDD) stormwater system and associated lakes on April 5th 2023. The purpose of this inspection was to review the existing lake banks conditions in relation to the permitted design outlined in the South Florida Water Management District (SFWMD) Environmental Resource Permit (ERP) (No 11-02234-P). CPH observed and documented those areas where the Lake banks erosion exceeded 8 inches (8") of stepped erosion following SFWMD Guidelines and Requirements. CPH identified a total of eight (8) of the thirty-two (32) lakes maintained and operated by TQCDD to be deficient according to the SFWMD guidelines and requirements.

The 32 lakes maintained and operated by TQCDD combined for a total perimeter of 87,741 LF. This assessment has determined that 2,455 LF are in need of repair and/or monitoring. CPH recommends that these deficiencies be corrected as soon as practicable to ensure compliance with the SFWMD permit conditions and limit any potential public safety concerns. Additionally, CPH has provided a recommendation herein prioritizing the most critical areas and identified the need for routine monitoring and maintenance to limit future embankment failures. **Appendix B** provides a detailed summary of deficiencies findings and their respective priorities.

2.0 PROJECT INTRODUCTION

The Quarry, a gated community, is located north of Immokalee Road approximately 3.7 miles east of I-75 in Collier County, Florida. TQCDD consists of approximately 959 acres within Collier County, Florida, and lies within portions of Sections 13,14, 23, and 24, Township 48 South, Range 26 East. The residential development harbors approximately 624 single-family units, 276 multi-family units, a golf course, a golf clubhouse, a beach club, and associated infrastructure and utilities.

TQCDD was established by Collier County Ordinance No. 04-53. It is TQCDD's responsibility to plan, finance, construct, acquire, operate, and maintain the public lakes and stormwater infrastructure within the boundaries of The Quarry. TQCDD has the power to levy and impose assessments, rates, and charges to pay for projects that fall within TQCDD's responsibilities. TQCDD has been granted the power to borrow money and issue bonds for the purpose of constructing improvements to the lakes and utilities.

TQCDD is permitted through the South Florida Water Management District (SFWMD) under permit number 11-02234-P issued on August 14, 2003, for the development of a residential community with golf courses. The referenced permit area contains The Quarry and a neighboring development, Heritage Bay, totaling 2,562.20 acres, and their combined existing stormwater management lakes system area is 711.2 acres.

TQCDD currently maintains 33 onsite lakes. These include the many ponds, all of Stone Lake, and a portion of Boulder Lake; the balance of which is owned and maintained by the Heritage Bay community. These identified 32 lakes and ponds total of 382 acres.

At the request of the TQCDD Board of Supervisors, CPH performed a visual inspection of stormwater structures located within TQCDD to ensure these are functioning as designed and to document the existing conditions of each lake and control structure. This record log will be used to identify those areas requiring immediate, long term and preventive maintenance or repairs, and to comply with the SFWMD, Environmental Resource Permit (ERP) conditions.

3.0 METHODOLOGY

A CPH representative conducted field investigations during the week of June 20th, 2025. CPH walked the perimeter of each stormwater lake and control structure searching for the presence of erosion, washouts, sodding deficiencies, visual structural defects, or accumulated debris that could interfere with the proper functioning of the permitted use. The control structures inspected were: L32L30, L40L30, L49, L50L30, L54L30-1, L54L30-2, L55L30, L56L30, L58L30, L59L30-1, L59L30-2, L62L30, L63L30-1, L63L30-2, L64W2, W1L30, W1W2, W1W4 as identified on the ERP. Interconnecting pipes in the existing lakes were also inspected, as allowed by water levels and water turbidity.

CPH also reviewed available information on the SFWMD design permit plans to confirm the original lake bank cross-section design and control structure locations.

Specific methods used to assess the stormwater lakes and control structures included:

A) Erosion type assessment

The percent of erosion was assessed qualitatively.

B) Control structures assessment

Control structures were assessed individually based on physical structural damage or deficiency.

C) Photography

Color Photographs were taken to document existing conditions

4.0 OBSERVATIONS

CPH recorded observations in all 32 lakes and 18 control structures pursuant to the methodology outlined in Section 2.0 and 3.0 of this report. Figures provided in **Appendix A** depict the location of erosion problem areas, control structures, and existing conditions of interconnecting pipes. The figures also provide a list of recorded observations and maintenance/repair recommendations.

4.1 Stormwater Lakes

Minor to moderate erosion was observed in some of the lake banks. The minor erosion appeared to be

caused by natural occurrences such as weather, wind, and water level fluctuations during low and high-water seasons, etc., which are considered acceptable for these types of lakes. Moderate erosion and or lake bank degradation was observed in isolated areas and is likely caused by a broken irrigation system, improperly set irrigation heads, and house or condo roof/lawn concentrated drainage.

No major or substantial washouts or deficiencies, that could prevent the lakes from providing their intended design use or capacity, were observed during this inspection. Nonetheless, a monitoring plan is recommended to avoid future erosion issues.

4.2 Control Structures

The stormwater control structures were structurally sound with no visual construction defects. CPH observed other structures that were covered with grass clippings and dried grass.

5.0 RECOMMENDATIONS

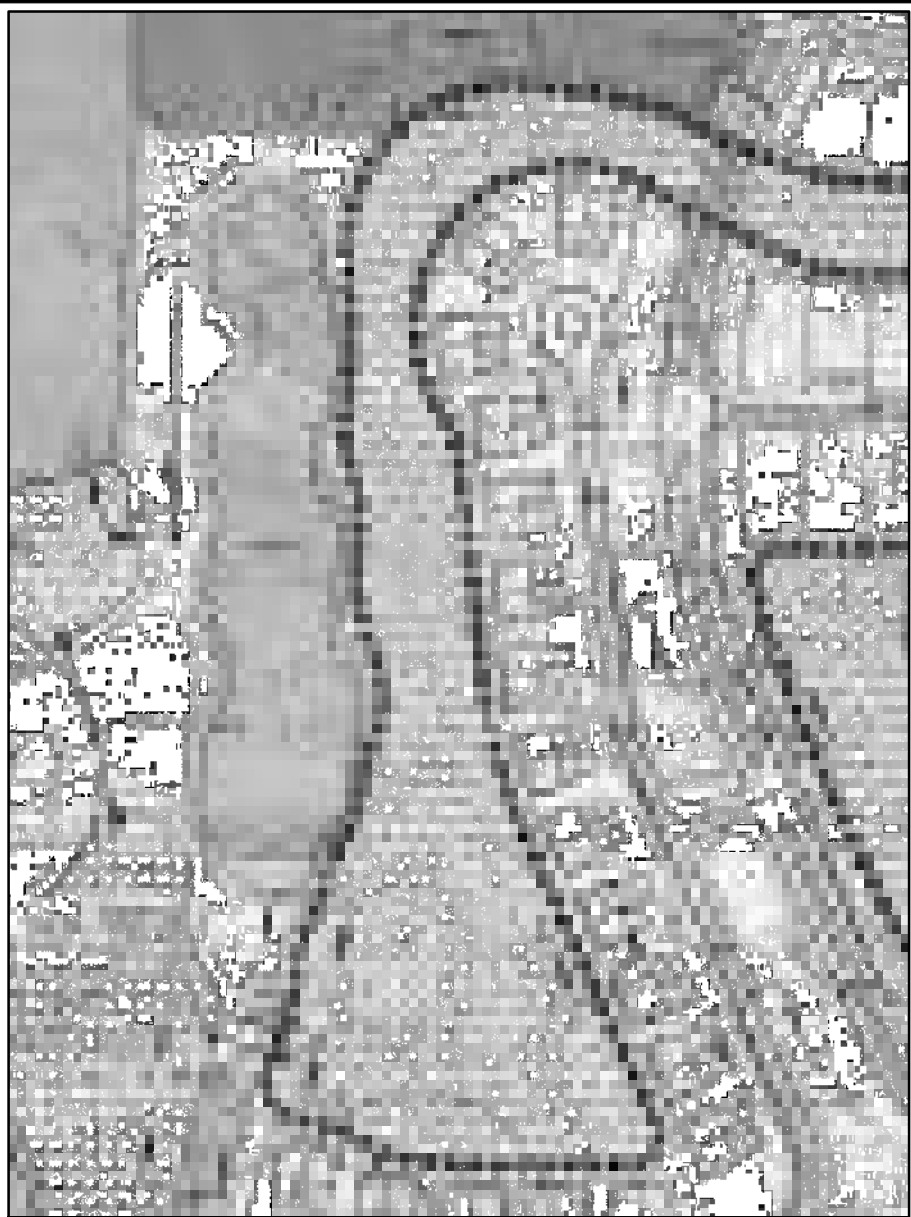
Specific priorities and recommendations will follow subject to Board of Supervisors review and direction. Optional methods of repair will be developed for consideration including riprap, slope flattening, fill and vegetation and/or littorals; and other methods as identified.



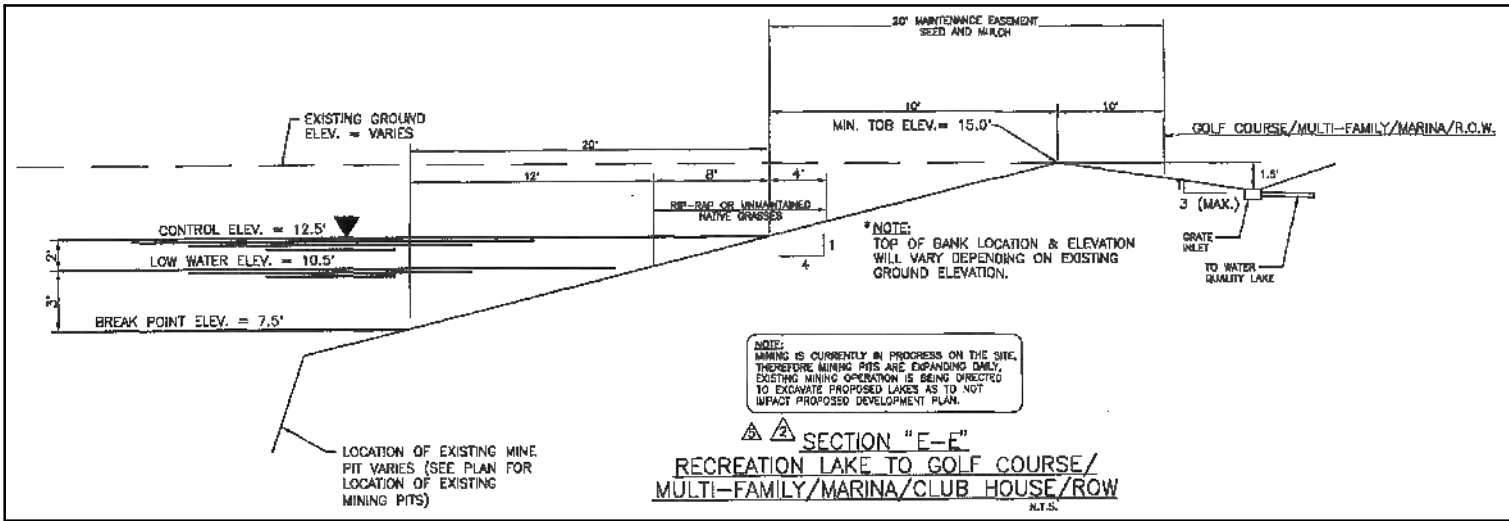
APPENDIX A

Figures & Photos

The Quarry CDD
Stormwater Lakes Assessment Report
Collier County, Florida



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
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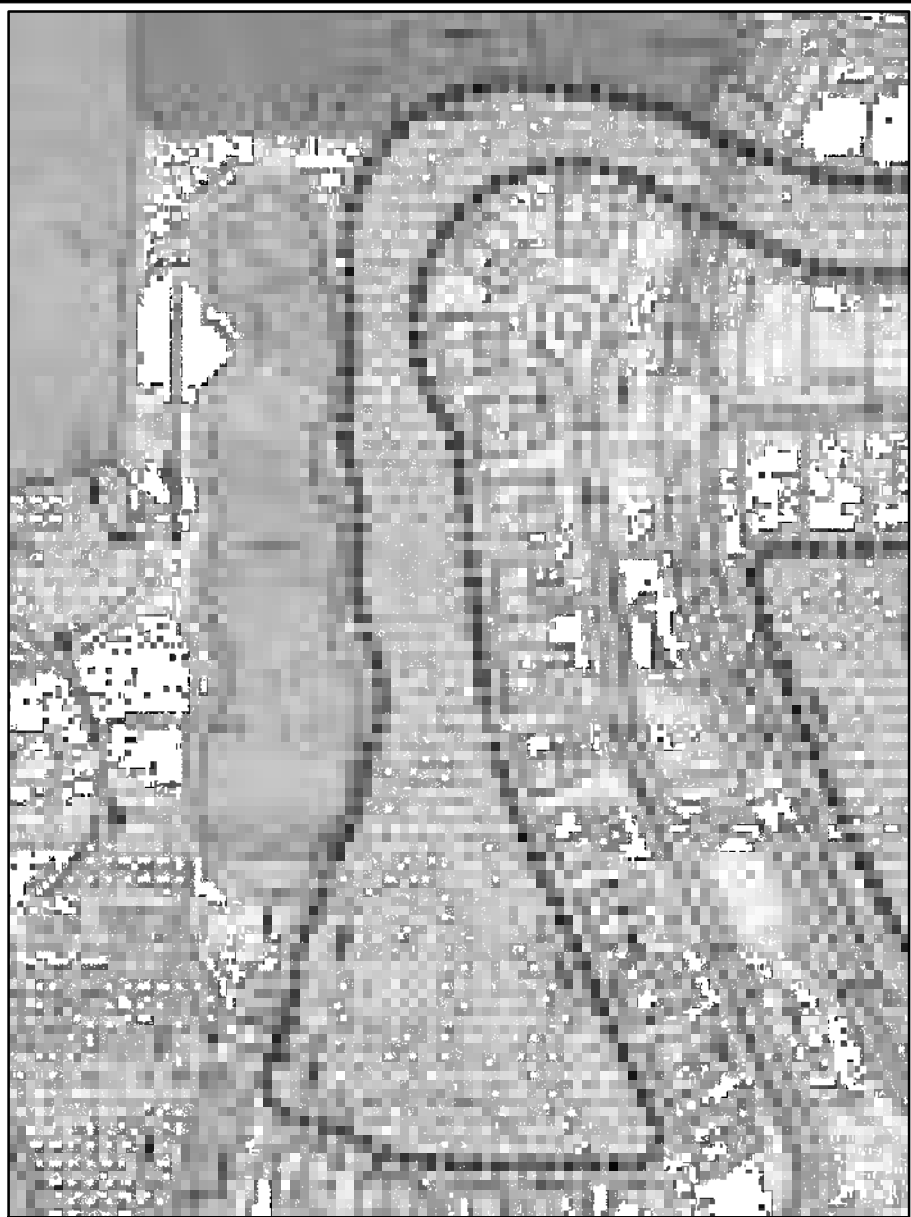
Plans Prepared By:
CPH, Inc.
State of Florida Licenses:
Engineer No. 3215
Surveyor No. LB7143
Architect No. AA2600926
Landscape No. LC000298

Designed by:	N/A
Drawn by:	J. ALLEN
Checked by:	A. LOPEZ
Date:	07/01/2025
Job No.	2500647

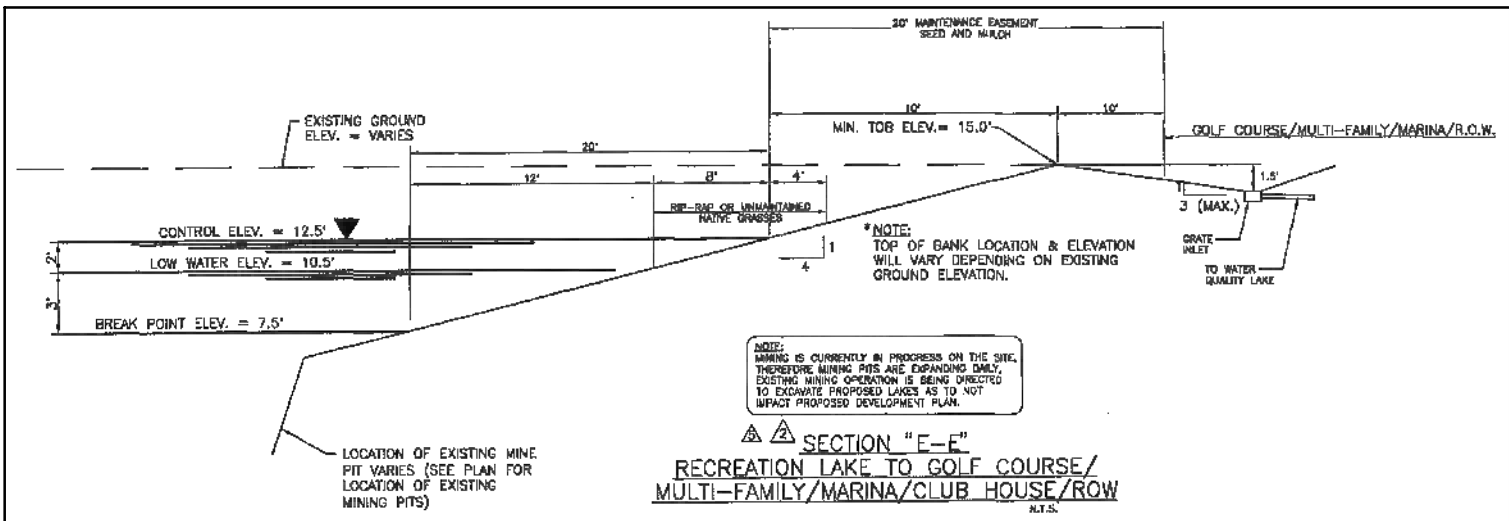
THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 30 AT COASTLINE CT.

Sheet No.
L30



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 30 AT COASTLINE CT.

Sheet No.
L30



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
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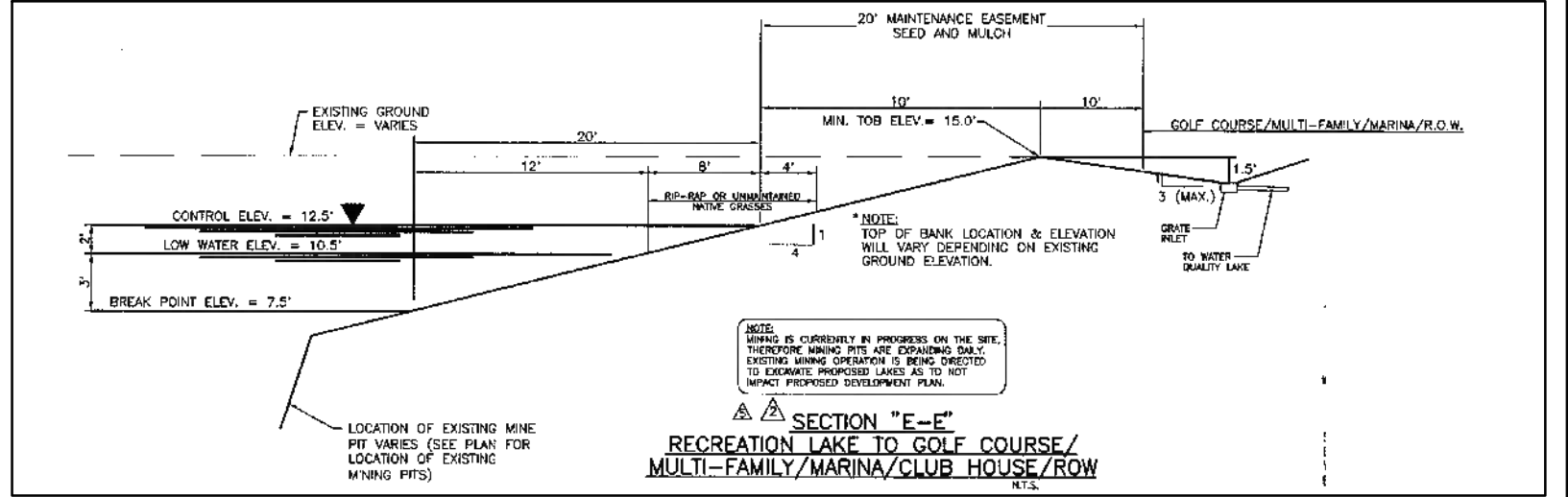
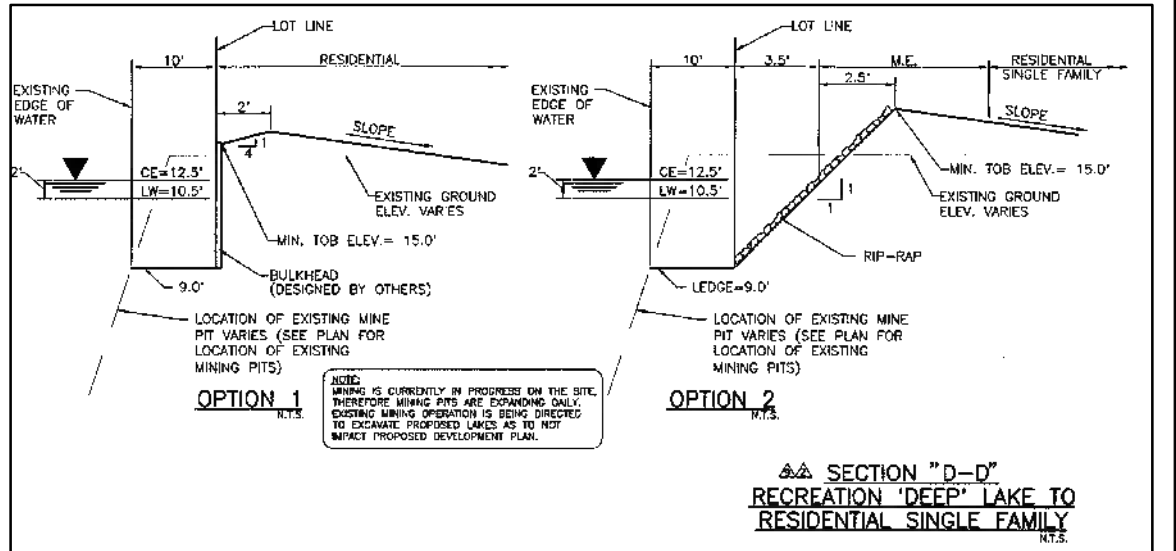
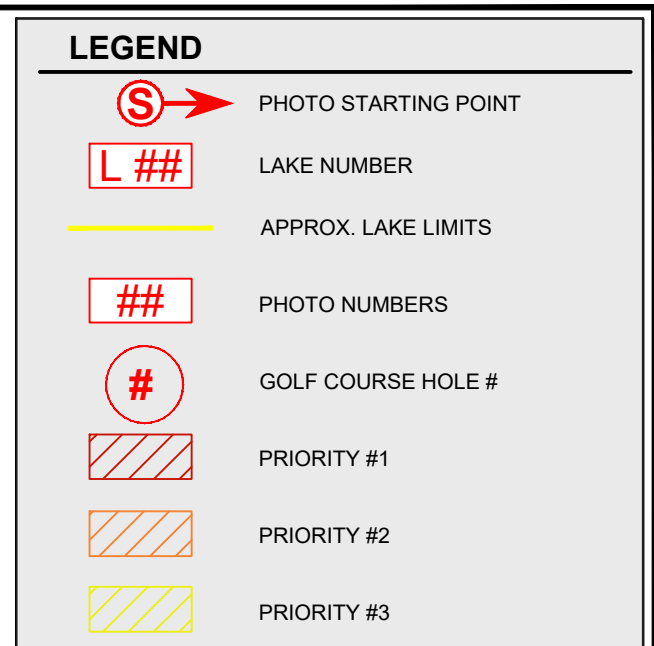
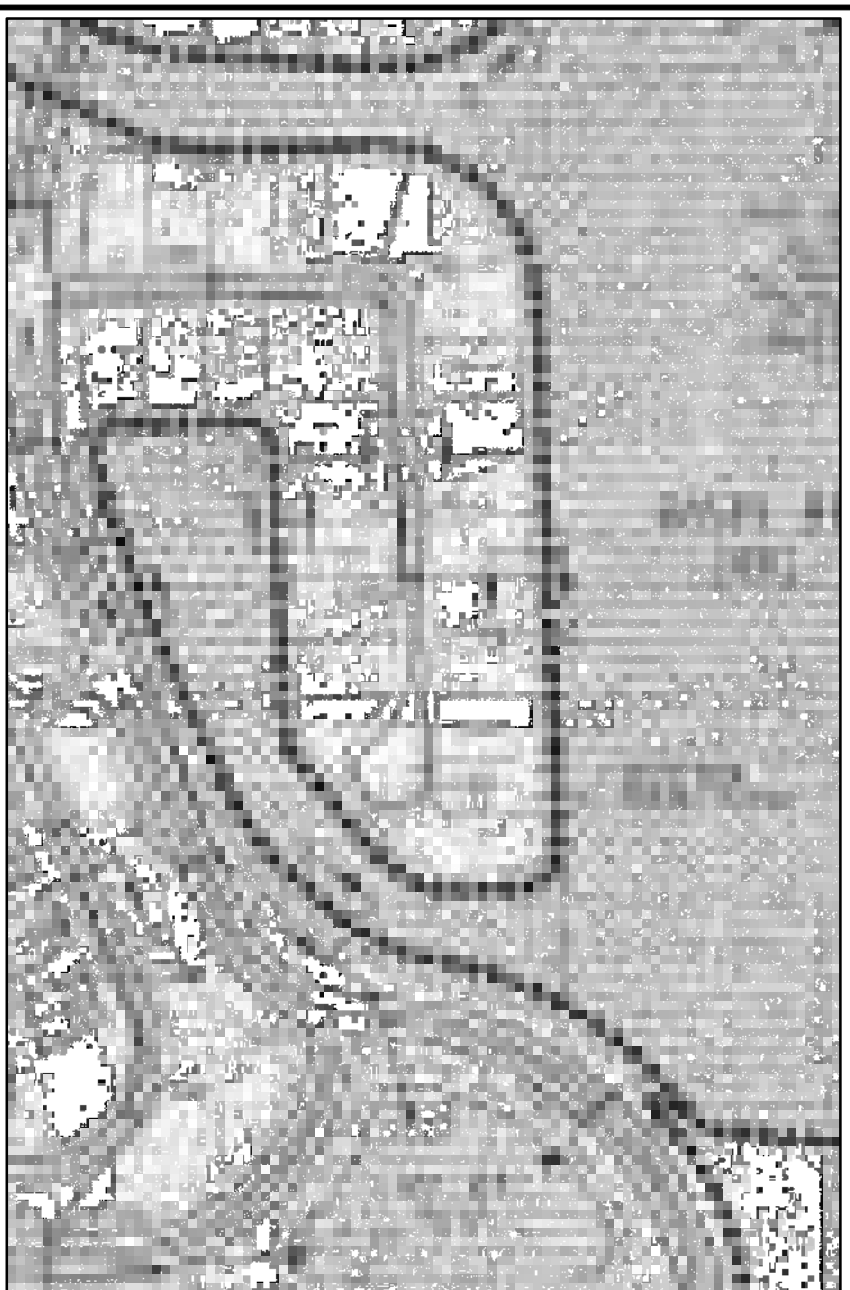
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Architect No. AA26000926
Landscape No. LC000298

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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT
COASTLINE CT.**

Sheet No.
L30



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION
SURVEY LAKE 30 AT HIDEAWAY
HARBOR CT.**

Sheet No.

L30



OBSERVATIONS:

- *MODERATE EROSION ADJACENT TO RESIDENTIAL PROPERTIES (PHOTOS #11-12).

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEWFILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGNSPECIFICATIONS
- INSTALL 6"-8" RIPRAP LAYER AND KEY-WAY (6"-8") TOPROTECT LAKE BANK.

ALTERNATE RECOMMENDATIONS

- INTRODUCE THE USE OF LITTORAL PLANTING.



No.	Date	Revision	No.	Date	Revision
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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT HIDEAWAY
HARBOR CT.**

Sheet No.
L30



No.	Date	Revision	No.	Date	Revision
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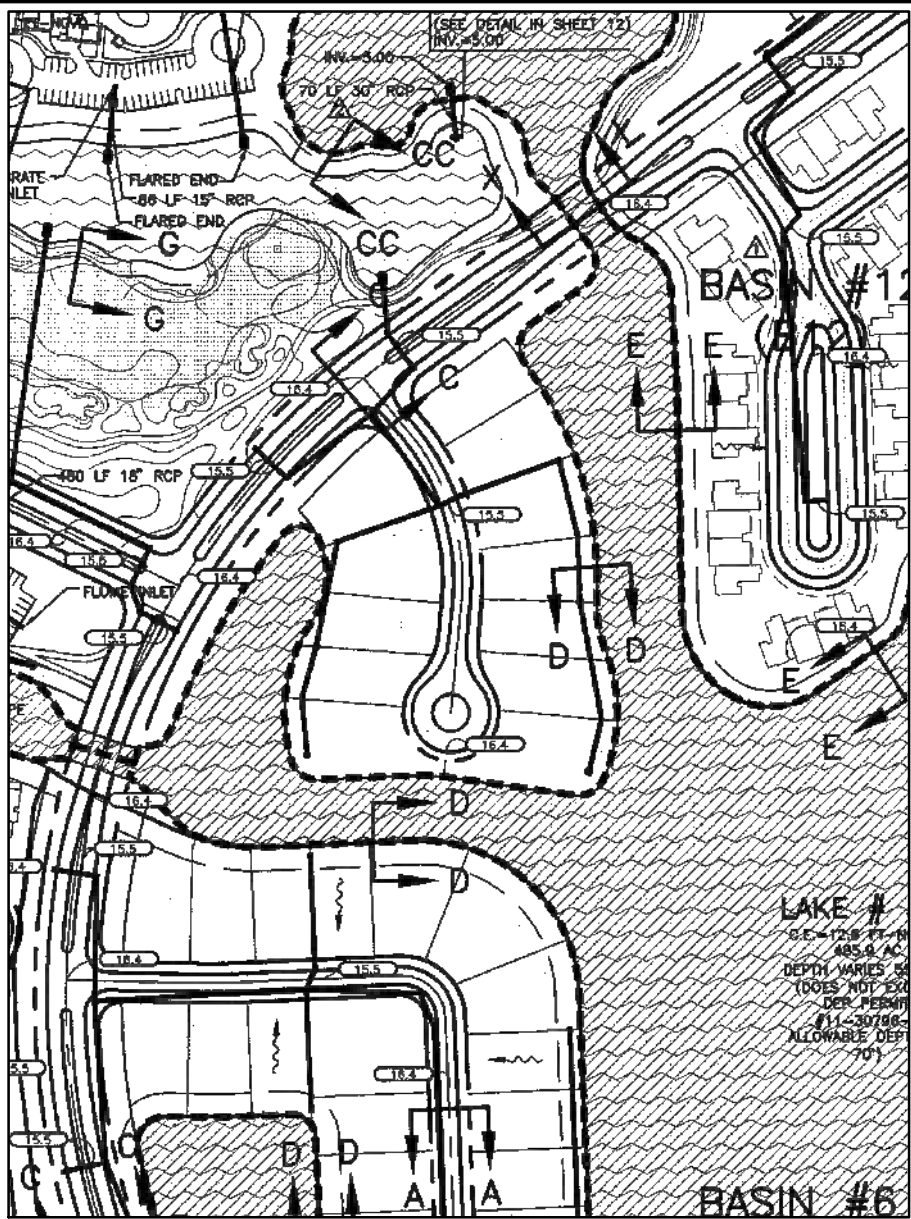
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Architect No. AA26000926
Landscape No. LC000298

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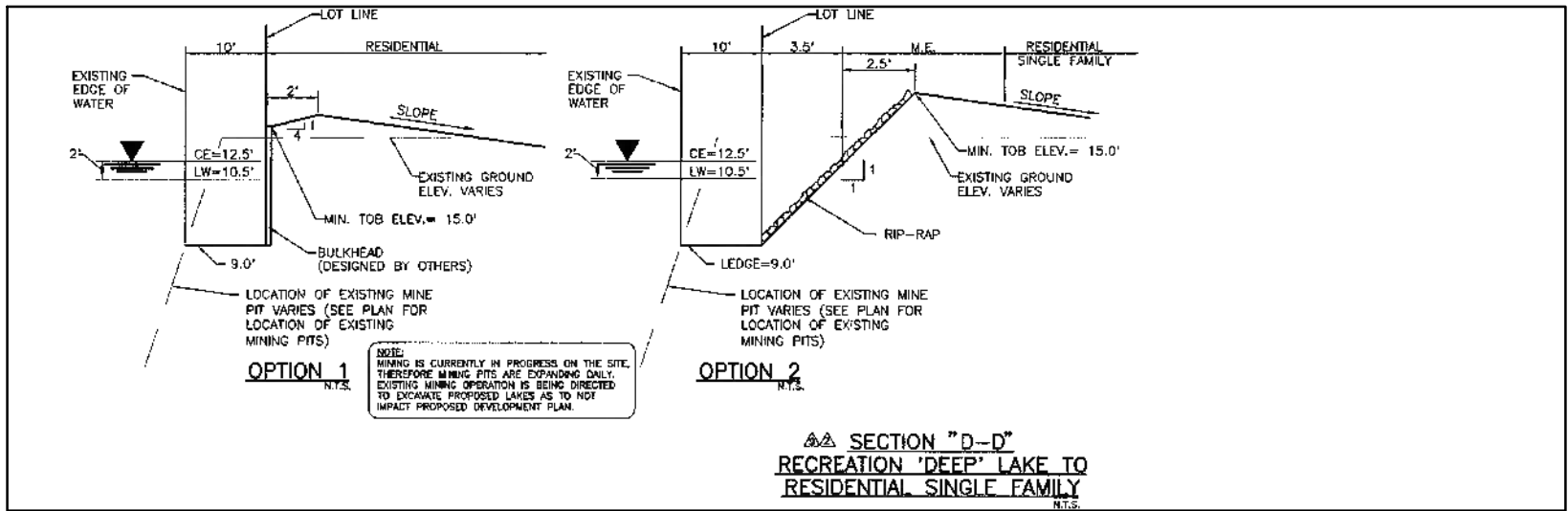
THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT HIDEAWAY
HARBOR CT.

Sheet No.
L30



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

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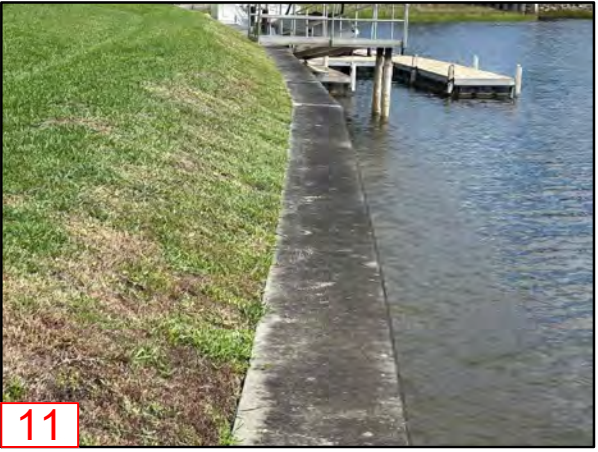
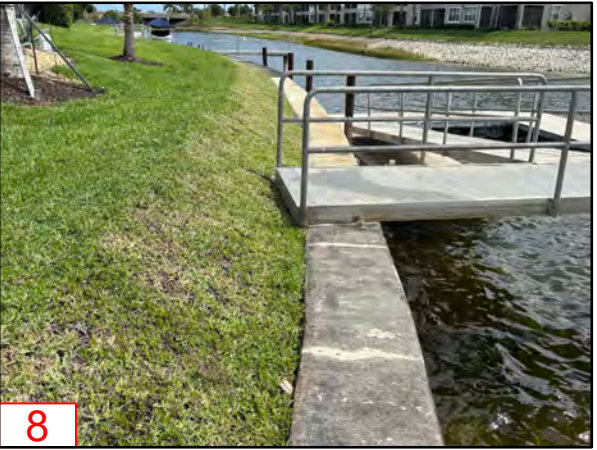
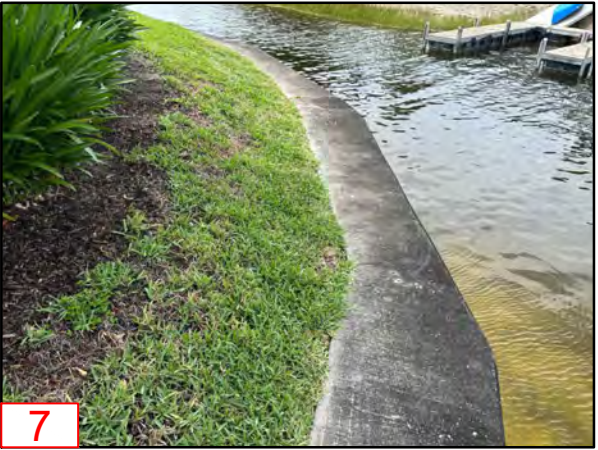
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Architect No. AA26000926
Landscape No. LC000298

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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 30 AT SPINNER COVE LN.

Sheet No.
L30



OBSERVATIONS:

- NO STRESS CRACKS OR DEFICIENCIES OBSERVED.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

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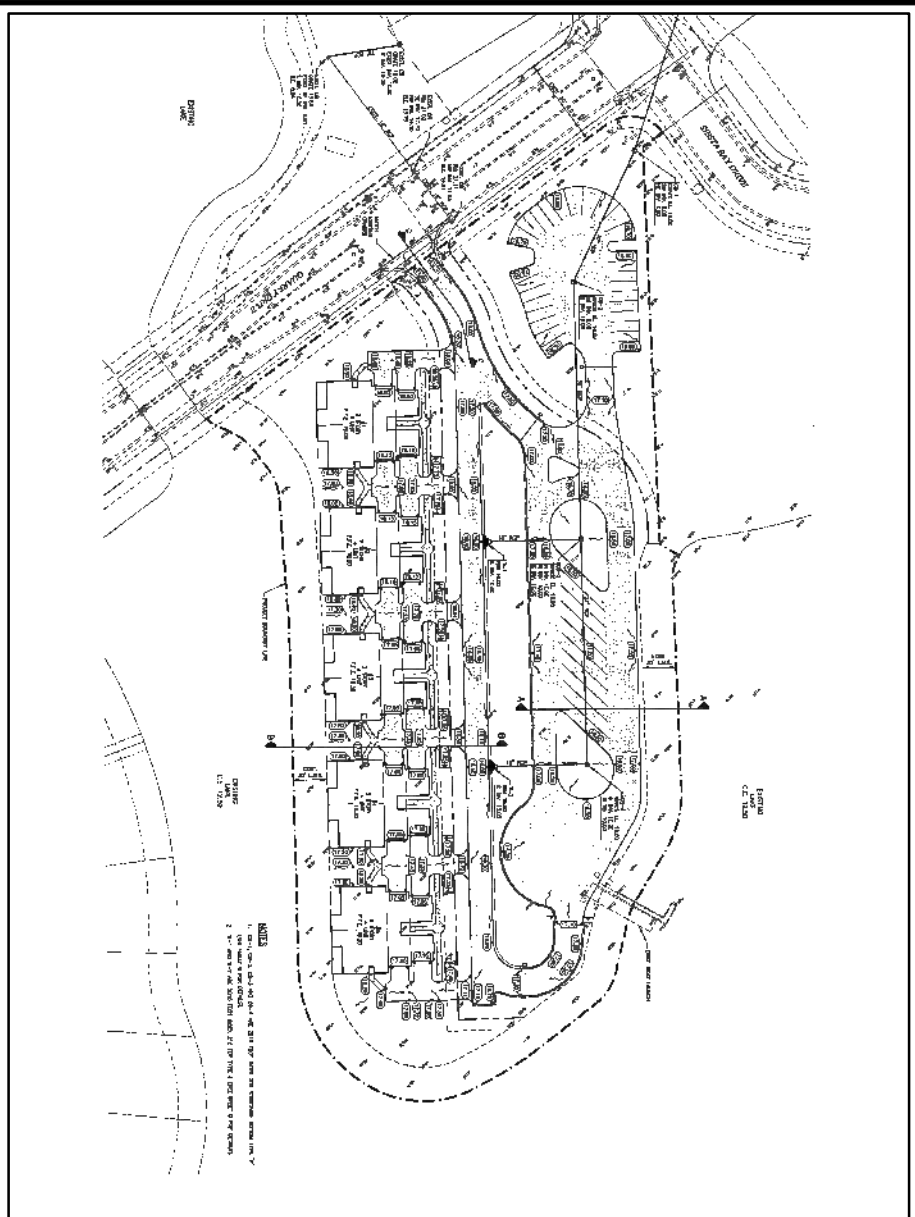
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

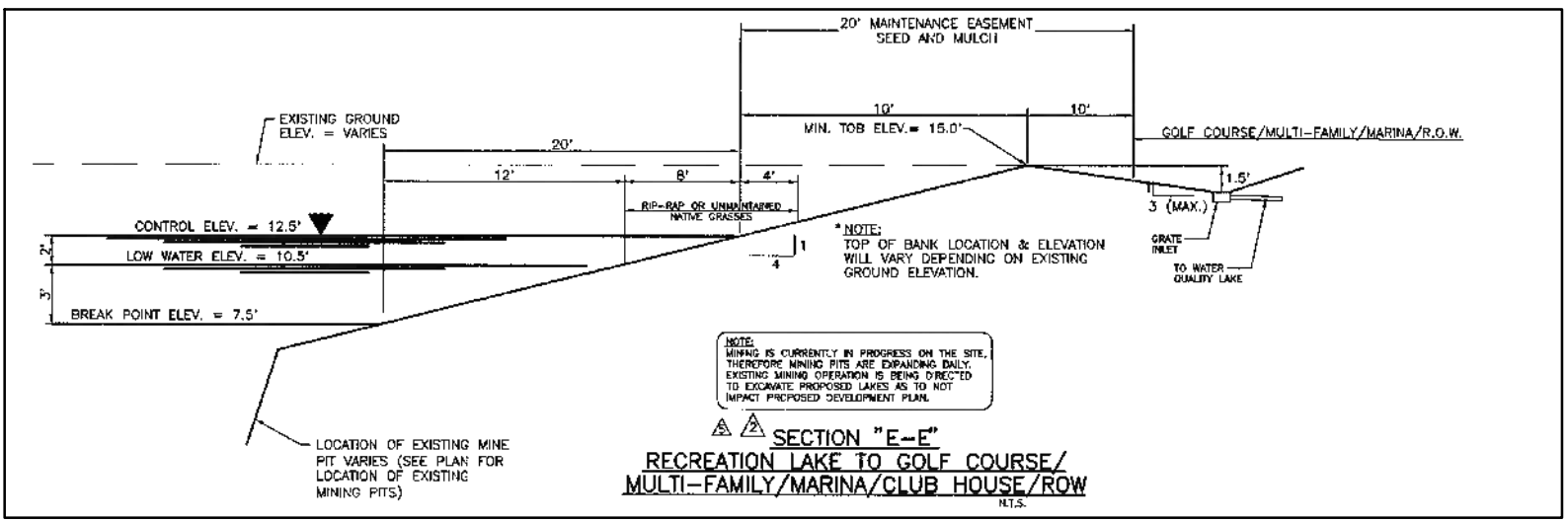
**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT SPINNER
COVE LN.**

Sheet No.
L30



LEGEND

- PHOTO STARTING POINT
- LAKE NUMBER
- APPROX. LAKE LIMITS
- PHOTO NUMBERS
- GOLF COURSE HOLE #
- PRIORITY #1
- PRIORITY #2
- PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.



OBSERVATIONS:

- *MODERATE EROSION ADJACENT TO RESIDENTIAL PROPERTIES (PHOTO #1, #2, #3).

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS.
- INSTALL 6"-8" RIPRAP LAYER AND KEY-WAY (6"-8") TO PROTECT LAKE BANK.

No.	Date	Revision	No.	Date	Revision
1			1		
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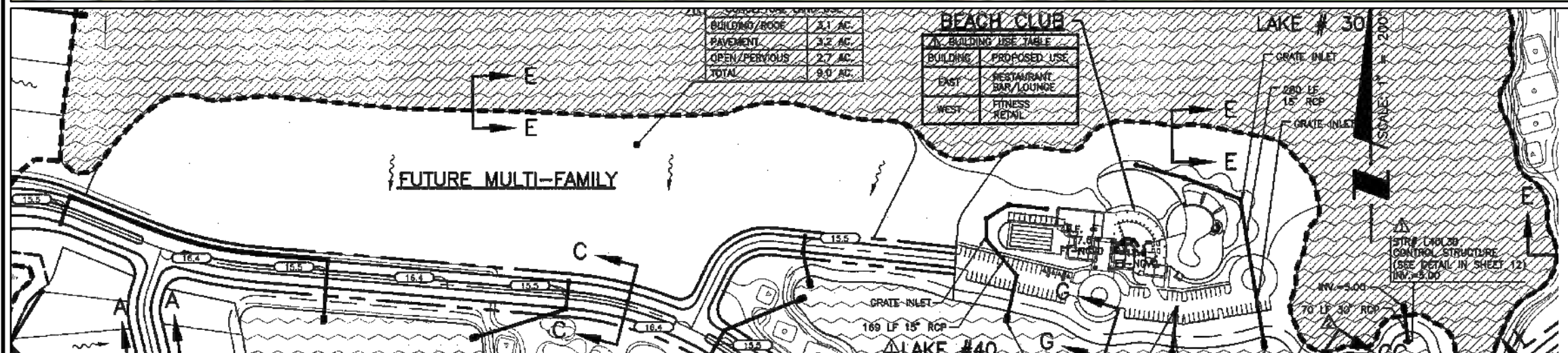
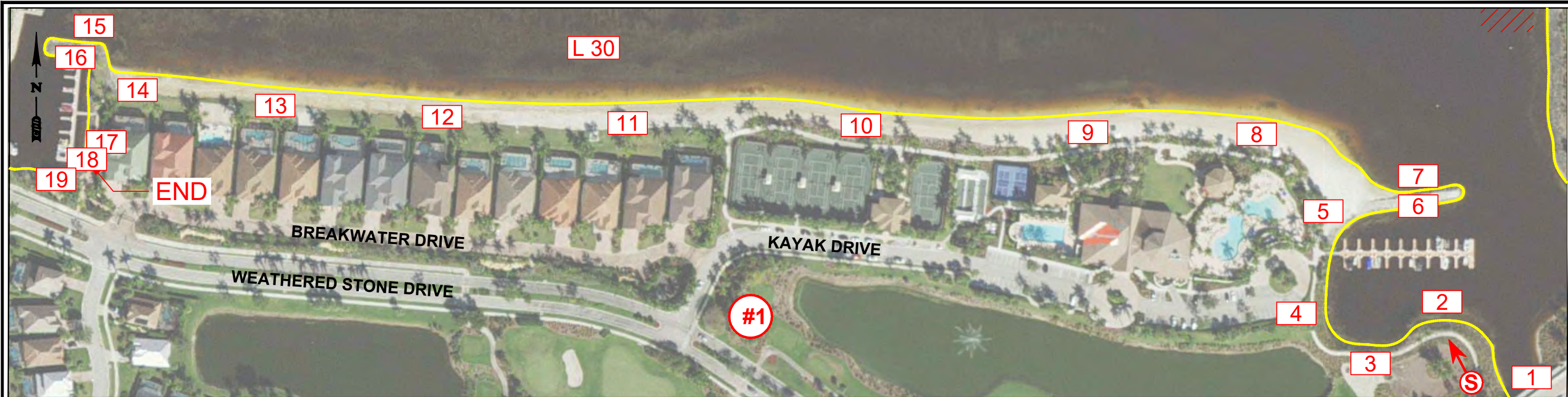
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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

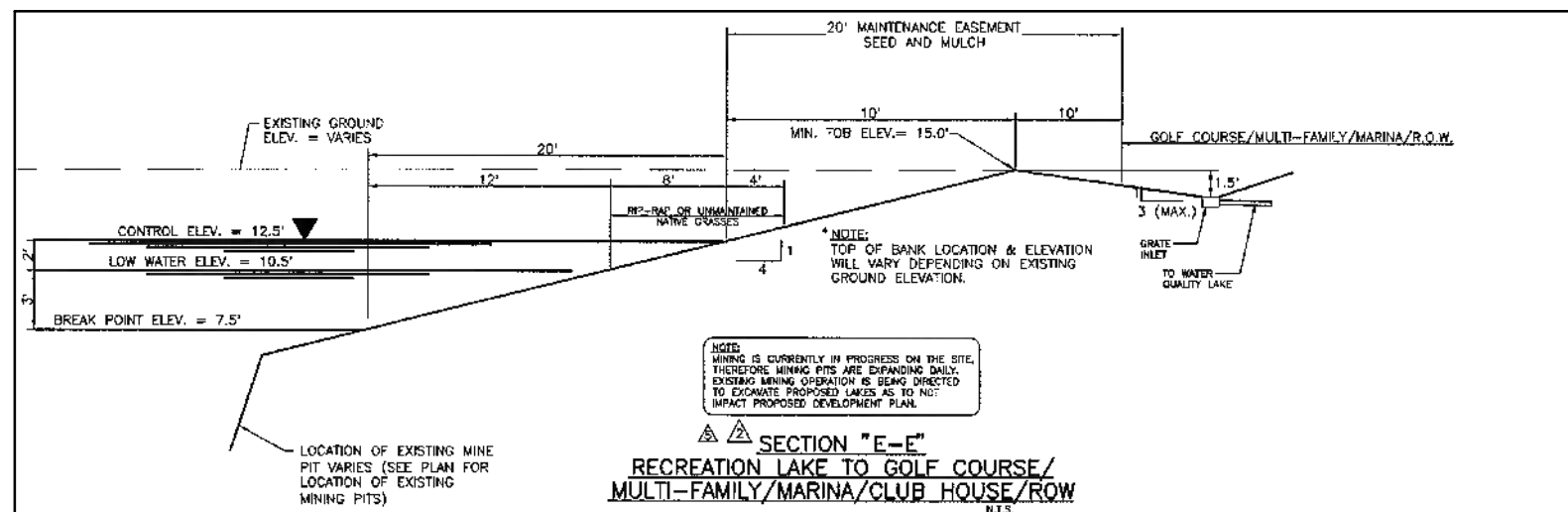
**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT NAUTICAL
LANDING CIRCLE**

Sheet No.
L30



LEGEND

- PHOTO STARTING POINT
- LAKE NUMBER
- APPROX. LAKE LIMITS
- PHOTO NUMBERS
- GOLF COURSE HOLE #
- PRIORITY #1
- PRIORITY #2
- PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

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OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT BEACH
CLUB

Sheet No.
L30



OBSERVATIONS:

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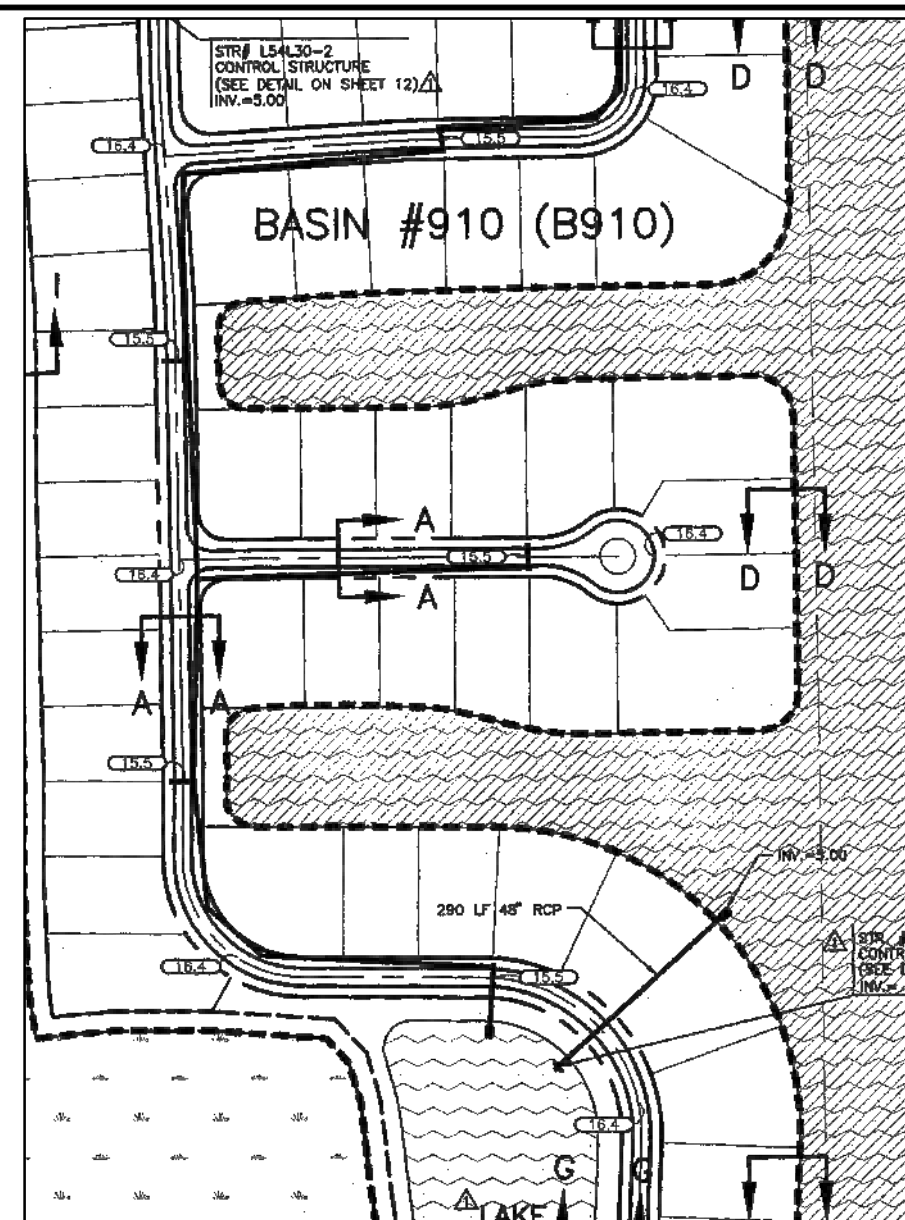
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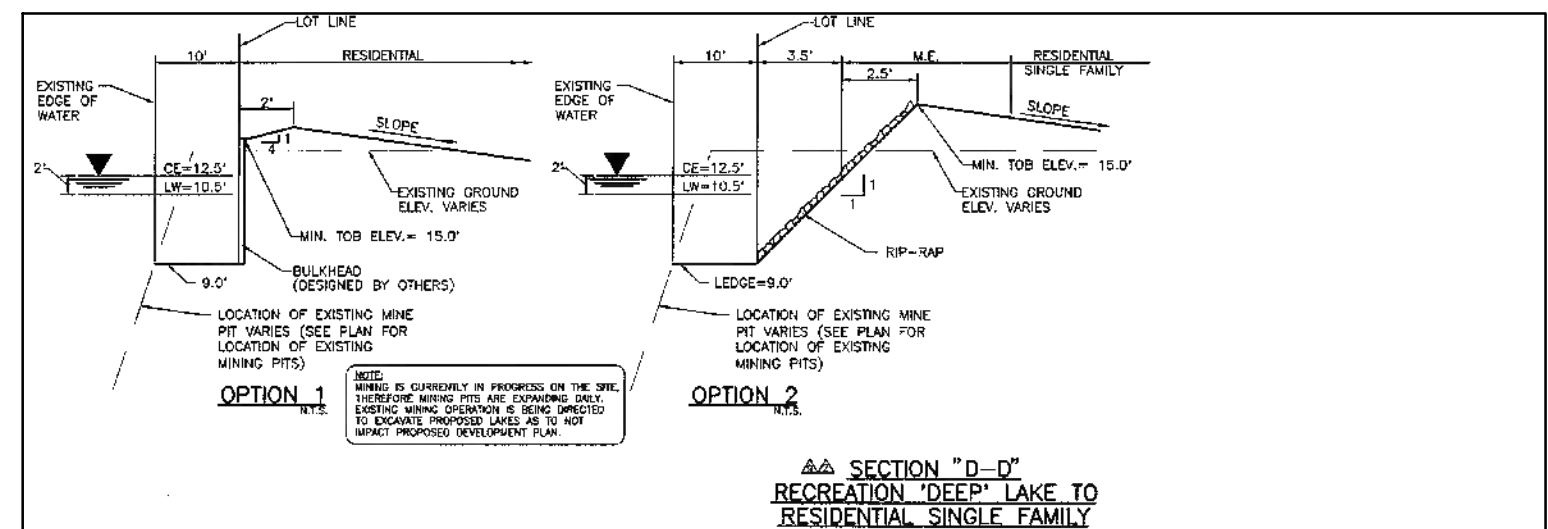
**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT MARBLE
STONE DR.**

Sheet No.
L30



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

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COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 30 AT GRANITE CT.

Sheet No.

L30

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.



OBSERVATIONS:

- MODERATE EROSION ADJACENT TO RESIDENTIAL(PHOTO #14). APPROXIMATELY 52 LF.

RECOMMENDATIONS:

- PROVIDE PERIODIC MONITORING.

ALTERNATE RECOMMENDATIONS

- INTRODUCE THE USE OF LITTORAL PLANTING.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
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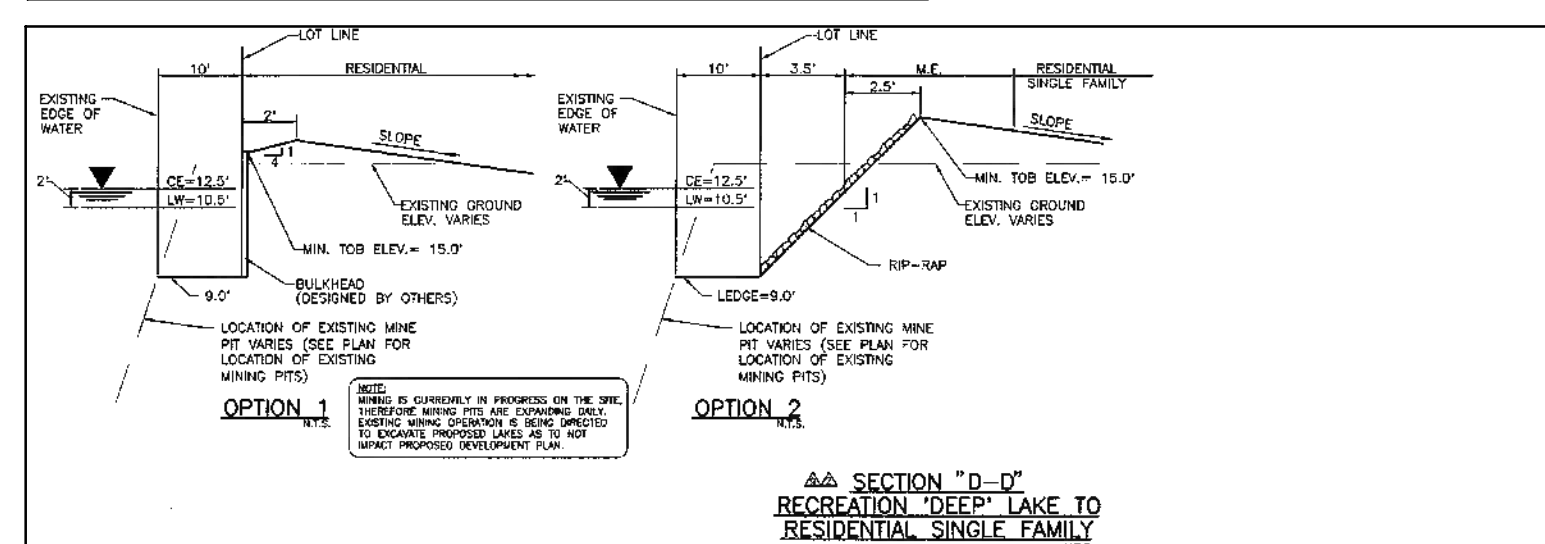
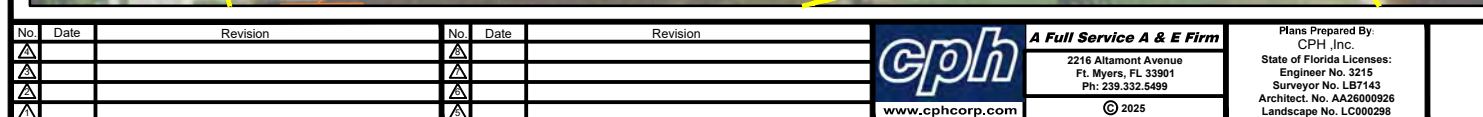
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CPH, Inc.
State of Florida License:
Engineer No. 3215
Surveyor No. LB7143
Architect No. AA2600926
Landscape No. LC000298

Designed by: N/A
Drawn by: J. ALLEN
Checked by: A. LOPEZ
Date: 07/01/2025
Job No. 2500647

**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT GRANITE
CT.**

Sheet No.
L30



N.T.S.

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Checked by:	A. LOPEZ
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
LAKE 30 AT SLATE CT.**

Sheet No.

L30



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		

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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT SLATE CT.**

Sheet No.
L30



OBSERVATIONS:

- MODERATE EROSION ADJACENT TO RESIDENTIAL PROPERTIES (PHOTOS #24 - #25).

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS.
- INSTALL 6"-8" RIPRAP LAYER AND KEY-WAY (6"-8") TO PROTECT LAKE BANK.

ALTERNATE RECOMMENDATIONS

- INTRODUCE THE USE OF LITTORAL PLANTING.

No.	Date	Revision	No.	Date	Revision
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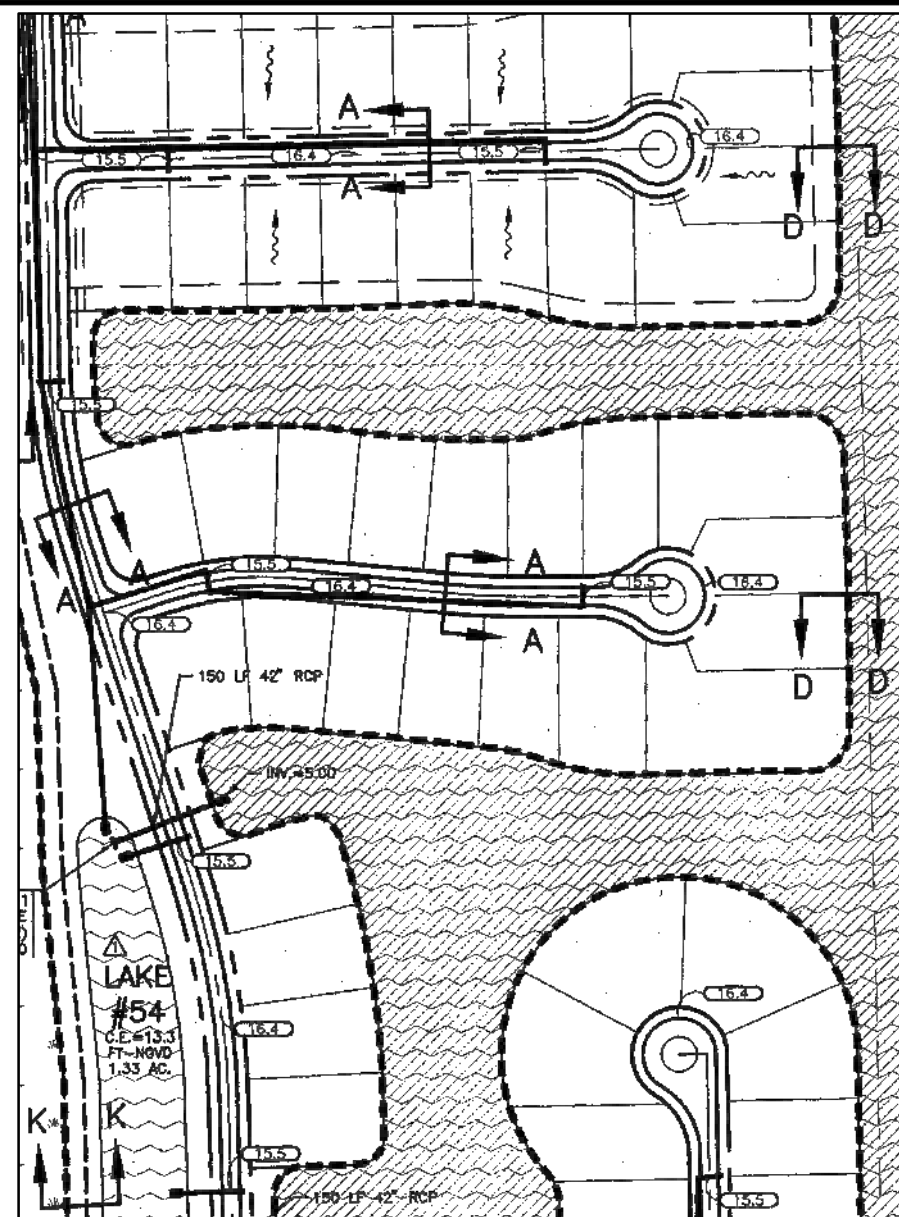
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT SLATE CT.**

Sheet No.
L30



LEGEND

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PHOTO STARTING POINT

L ##

LAKE NUMBER

APPROX. LAKE LIMITS

##

PHOTO NUMBERS

#

GOLF COURSE HOLE #

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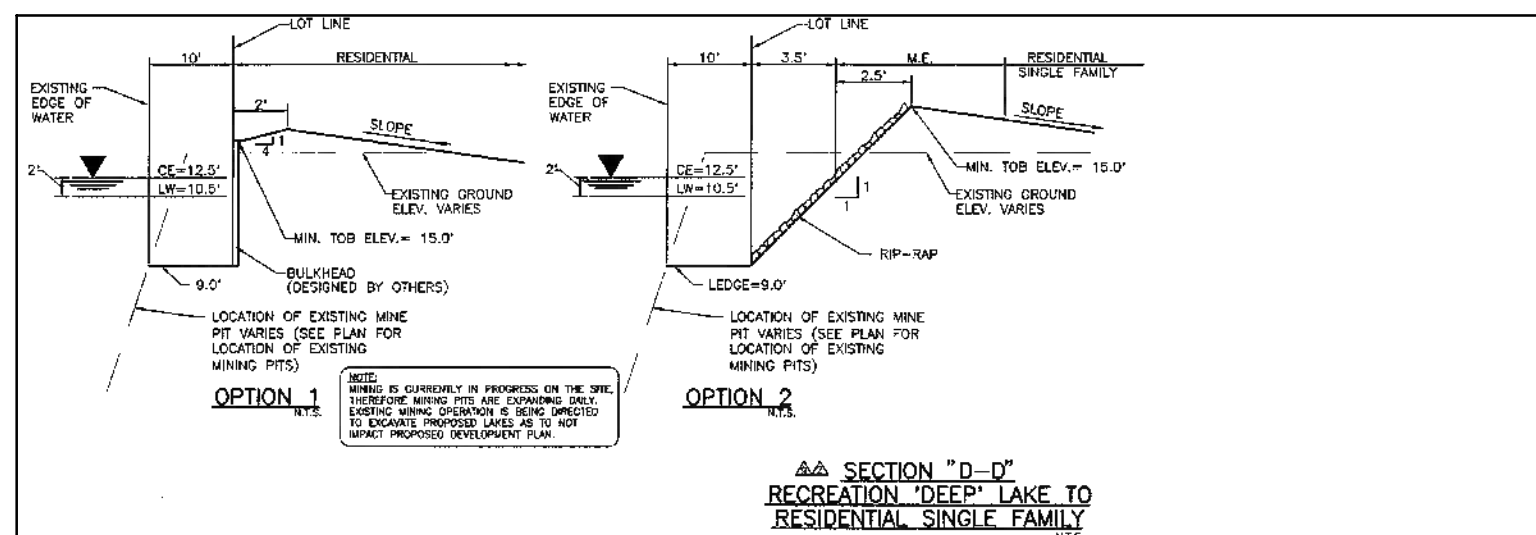
PRIORITY #1

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PRIORITY #2

///

PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER
AND TYPICAL CROSS SECTION

N.T.S.

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.



OBSERVATIONS:

- *MODERATE TO EXTREME EROSION ADJACENT TO RESIDENTIAL PROPERTIES (PHOTOS #4 - #5). APPROXIMATELY 180 LF.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS.
- INSTALL 6"-8" RIPRAP LAYER AND KEY-WAY (6"-8") TO PROTECT LAKE BANK.

ALTERNATE RECOMMENDATIONS

- INTRODUCE THE USE OF LITTORAL PLANTING.
- * AREAS CURRENTLY BEING TREATED AS PART OF PHASE III PROJECT.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
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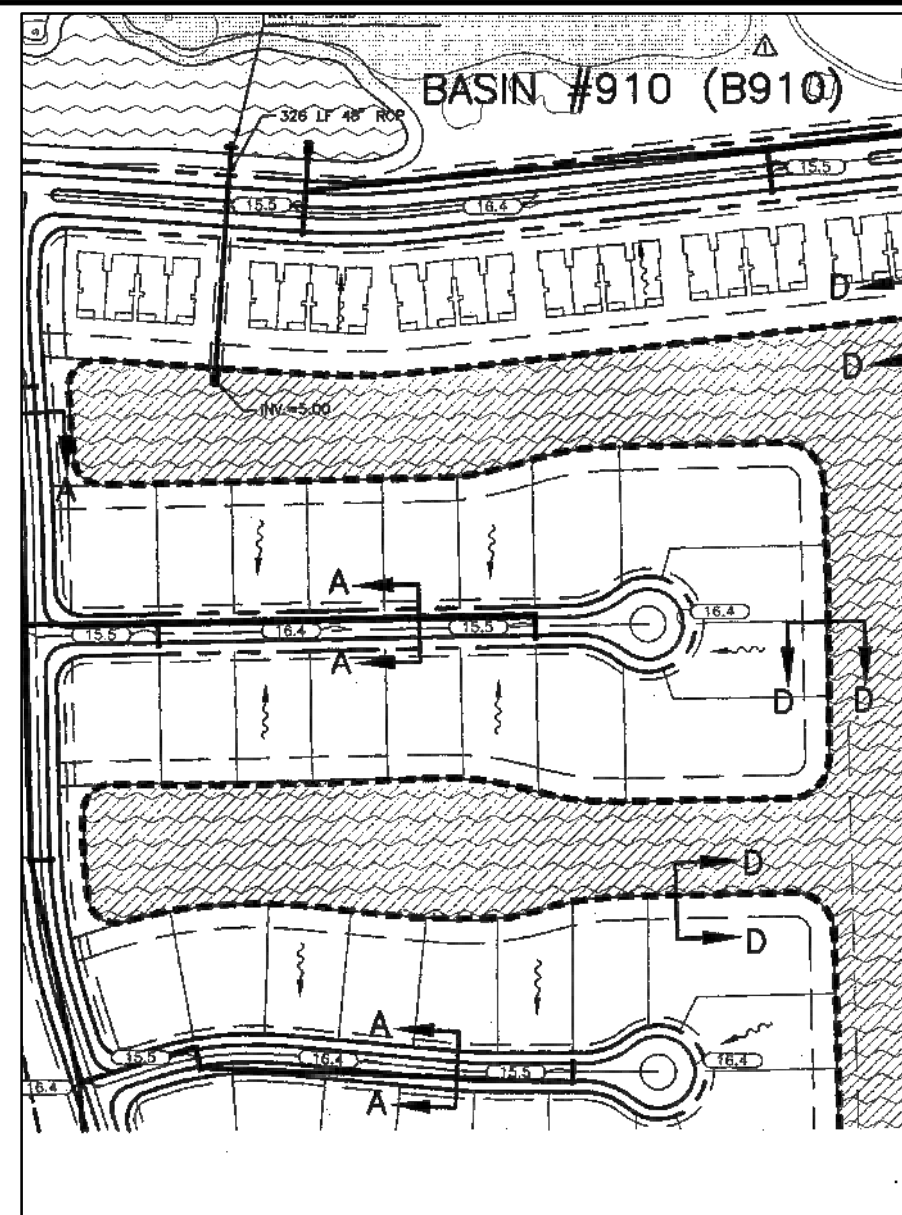
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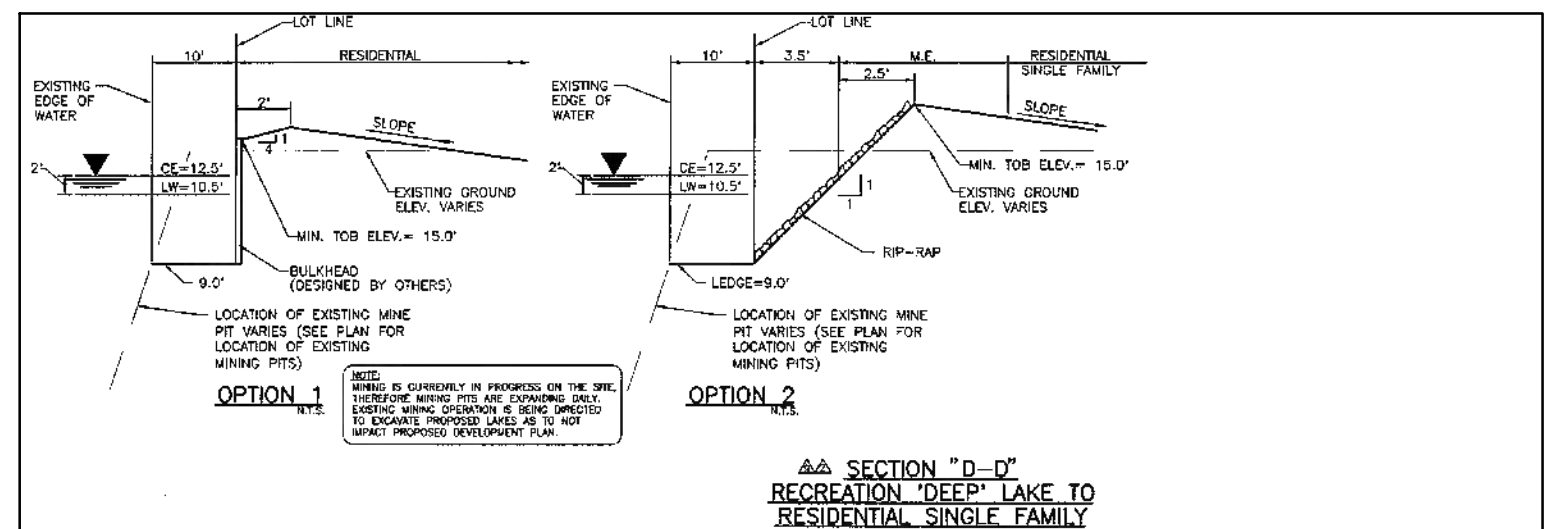
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LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT COPPER
CANYON CT.

Sheet No.
L30



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
1			2		
2			3		
3			4		
4			5		
5			6		

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Checked by:	A. LOPEZ
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Job No.	2500647

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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 30 AT COPPER ROCK CT.

Sheet No.

L30

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.



OBSERVATIONS:

- A RESIDENTIAL DRAIN WAS OBSERVED DISCHARGING DIRECTLY INTO THE LAKE, WHICH IS A PROHIBITED CONDITION PER SFWMD AND CDD REGULATIONS (PHOTO #14)

RECOMMENDATIONS :

- IT IS RECOMMENDED THAT THE RESIDENT BE CONTACTED TO INFORM THEM OF THE PROHIBITED DRAINAGE CONDITION AND TO DISCUSS APPROPRIATE CORRECTIVE ACTIONS TO REDIRECT DISCHARGE INTO EXISTING SWALE.

No.	Date	Revision	No.	Date	Revision
1			1		
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3			3		
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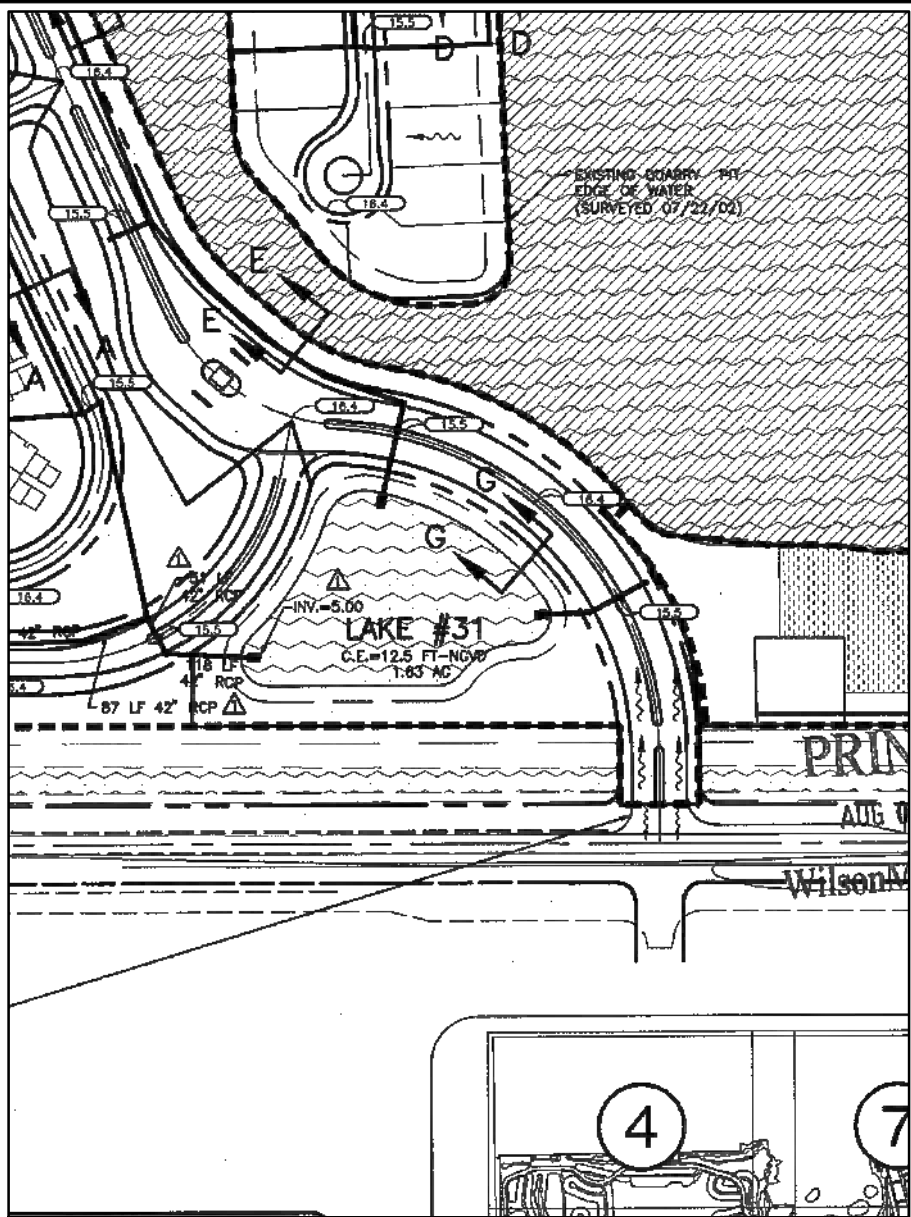
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Landscape No. LC000298	Job No. 2500647

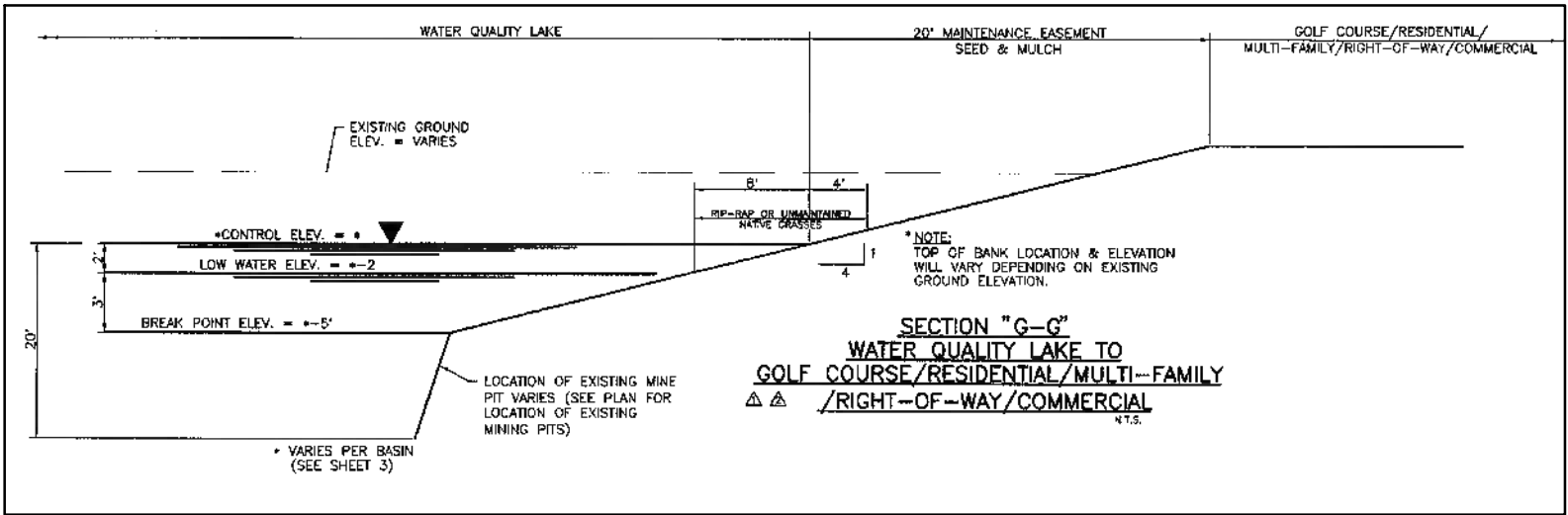
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COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY PHOTOS - LAKE 30 AT COPPER ROCK CT.

Sheet No.
L30



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
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4			4		
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Checked by:	A. LOPEZ
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Job No.	2500647

THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 31

Sheet No.
L31



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.
- STORM PIPE IN PICTURE #6 HAS DIRT PILED UP AND TRASH NEAR THE PIPE ENTRANCE
- LITTORALS ARE DRIED OUT

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.
- CLEAN AREA AROUND STORM PIPE (#6)
- PLANT NEW LITTORALS

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
5			5		



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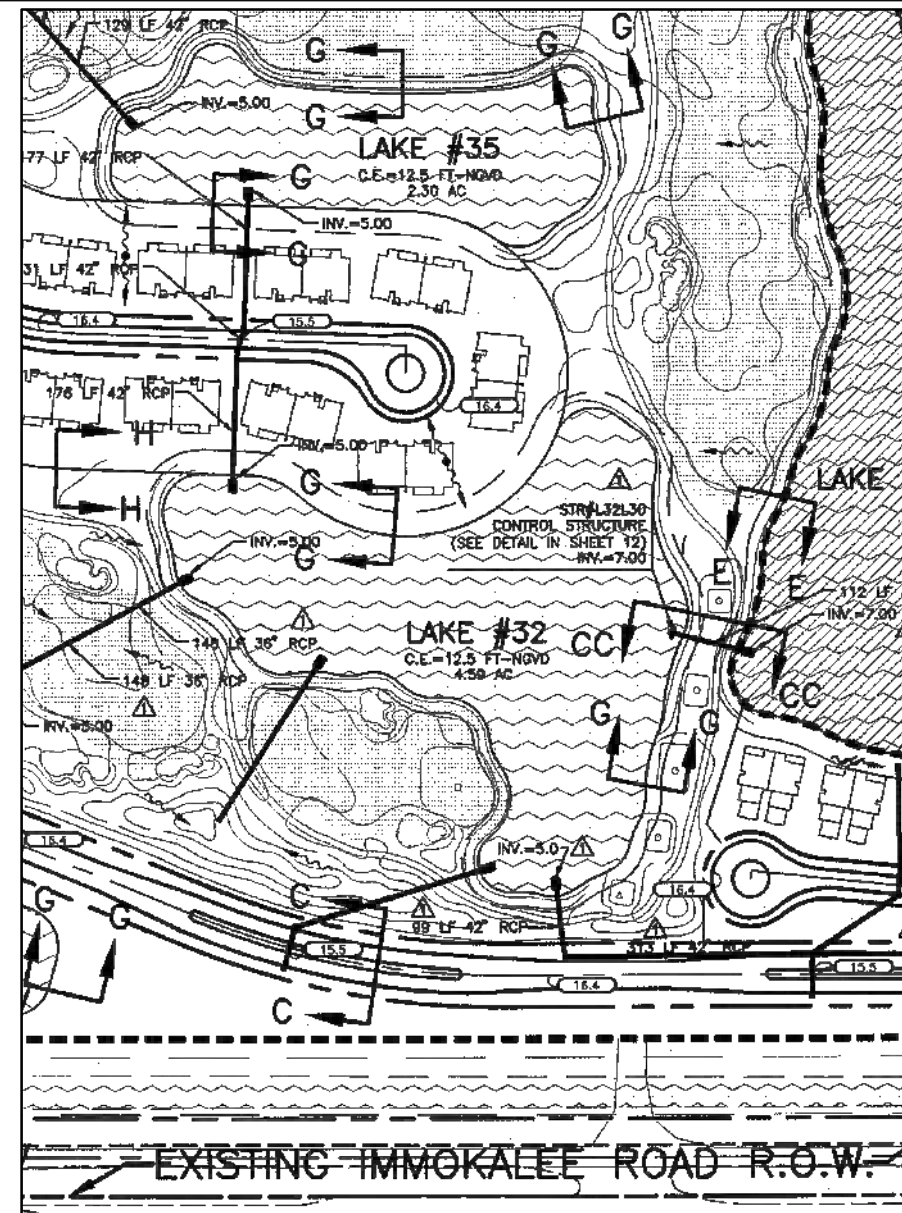
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Architect No. AA26000926
Landscape No. LC000298

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Drawn by:	J. ALLEN
Checked by:	A. LOPEZ
Date:	06/04/2025
Job No.	2500647

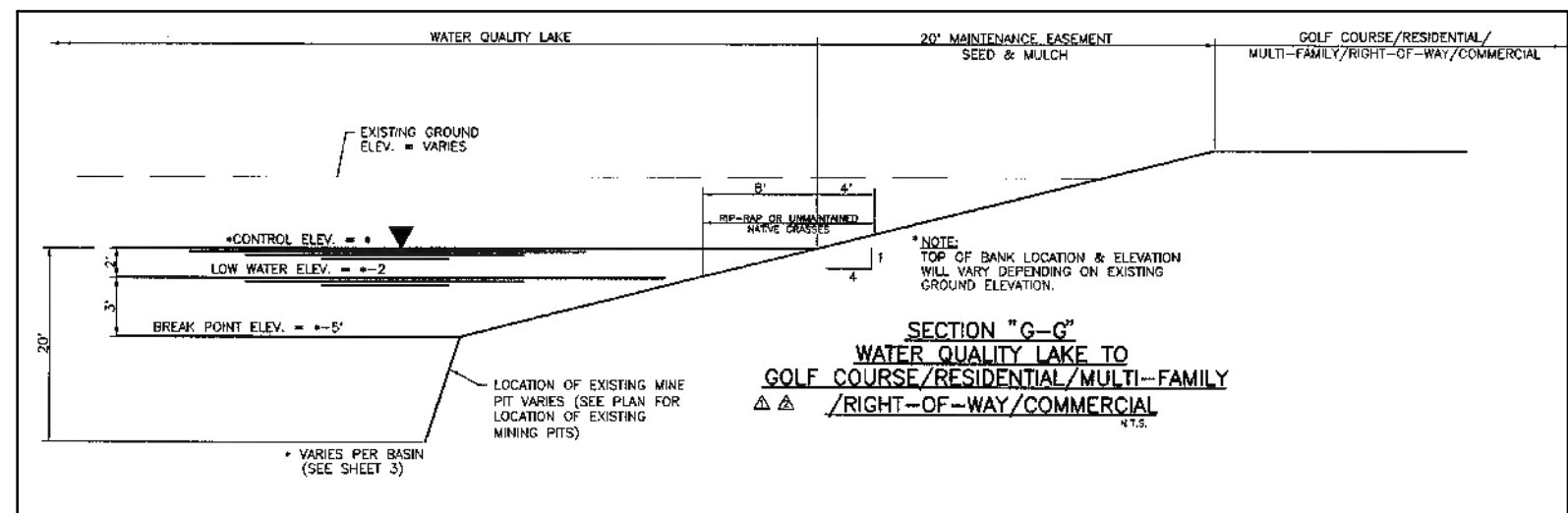
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COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 31**

Sheet No.
L31



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

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Checked by:	A. LOPEZ
Date:	06/04/2025
Job No.	2500647

THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 32

Sheet No.
L32



OBSERVATIONS:
- MODERATE EROSION OBSERVED (PHOTOS #3, 10 & 11)

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:
- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL.
NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
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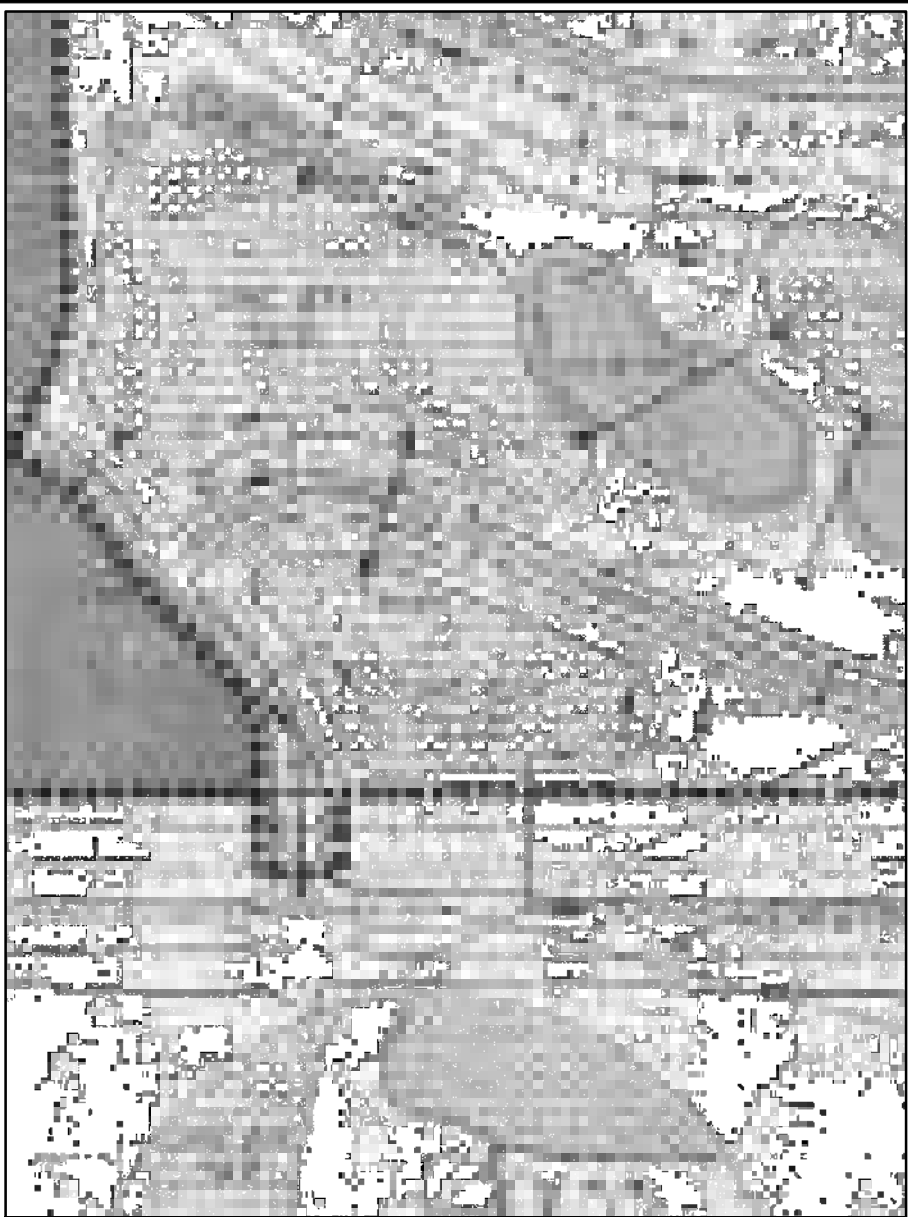
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Architect No. AA26000926
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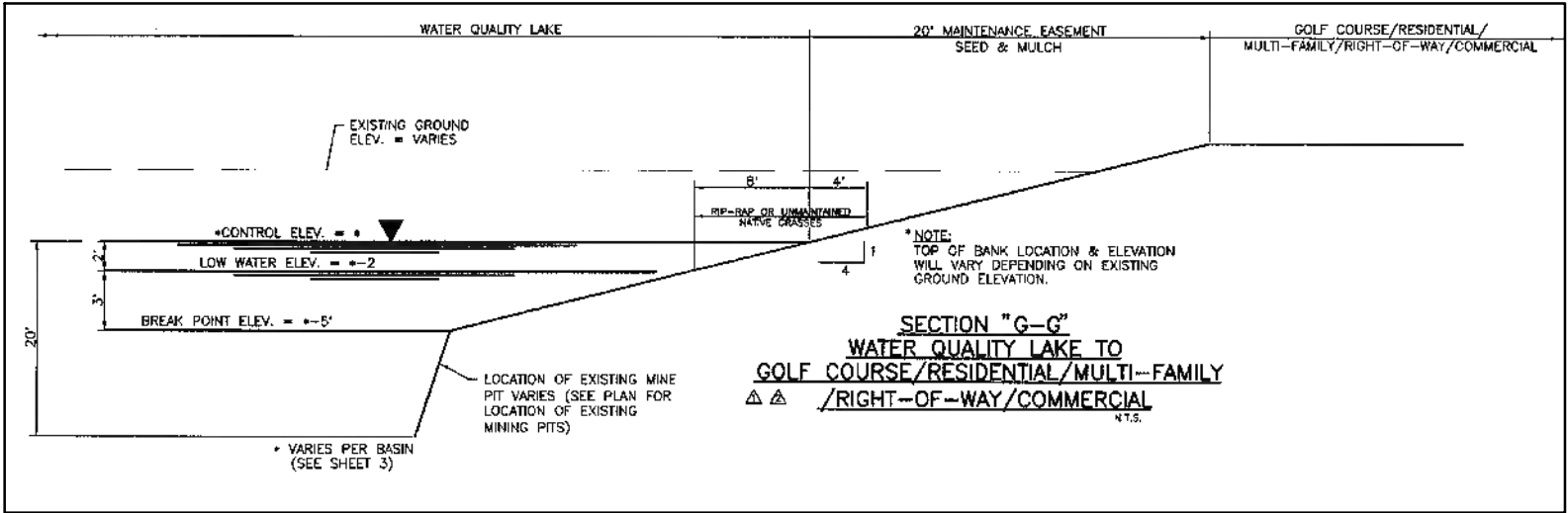
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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 32

Sheet No.
L32



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

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No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 33

Sheet No.
L33



OBSERVATIONS:

- MINOR EROSION EROSION OBSERVED (PHOTO #7 & 8).

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

ALTERNATE RECOMMENDATIONS:

- CLEAN AREA AROUND STORM PIPE

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
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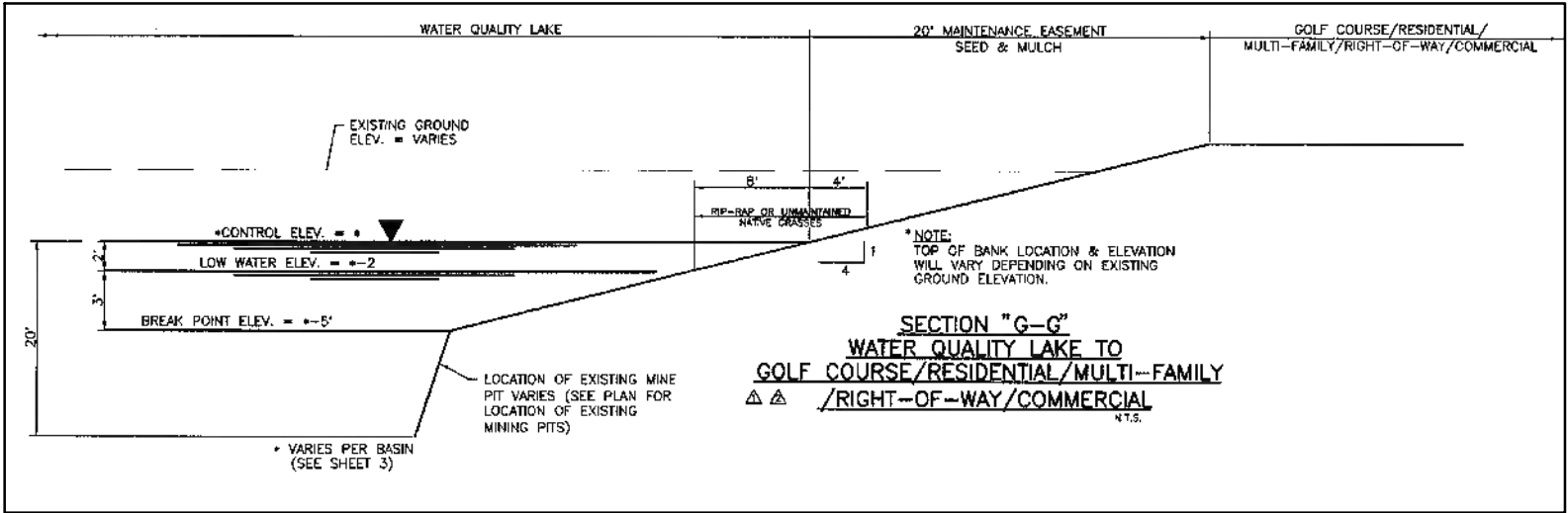
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COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 33**

Sheet No.
L33



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
1			1		
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 34

Sheet No.
L34



OBSERVATIONS:

- NO MAJOR EROSION OBSERVED.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC LAKE BANK MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
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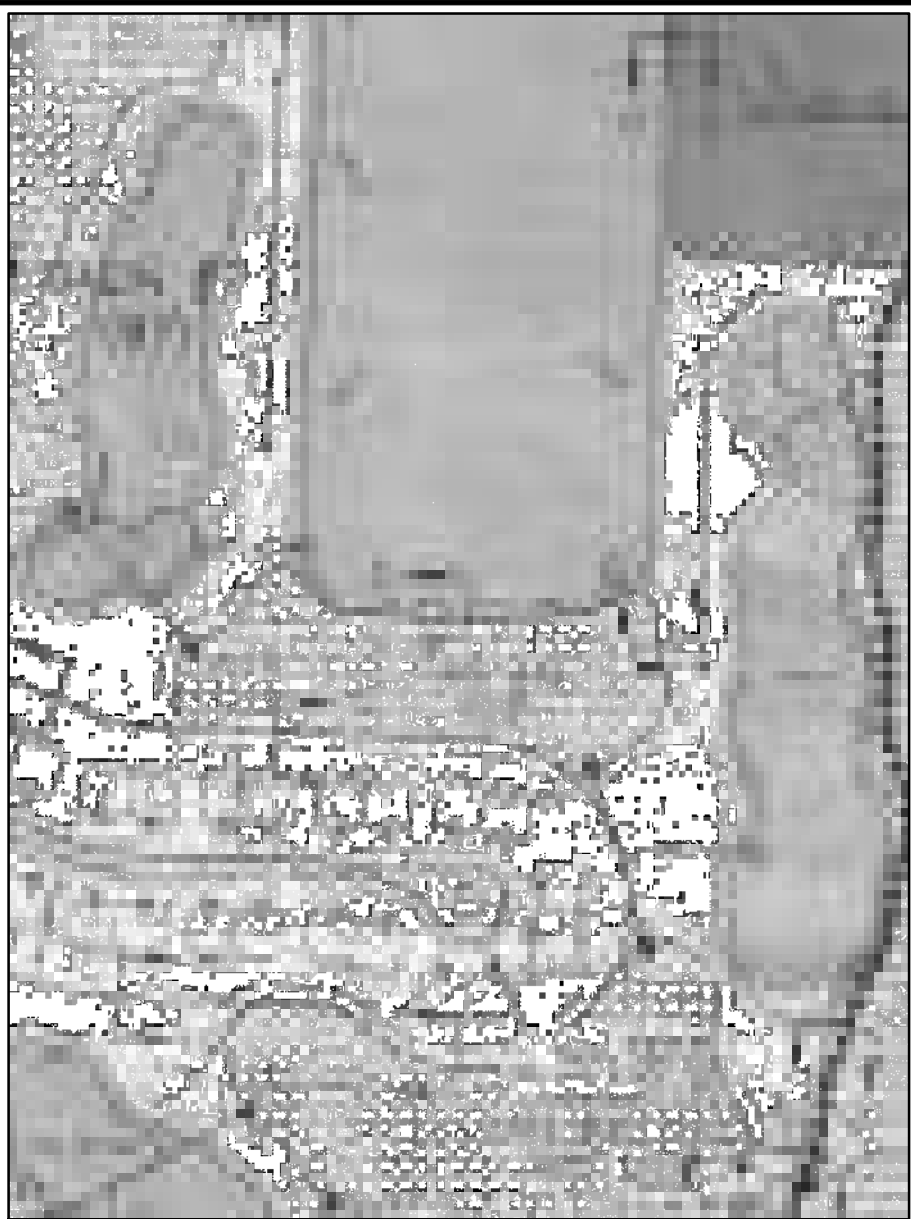
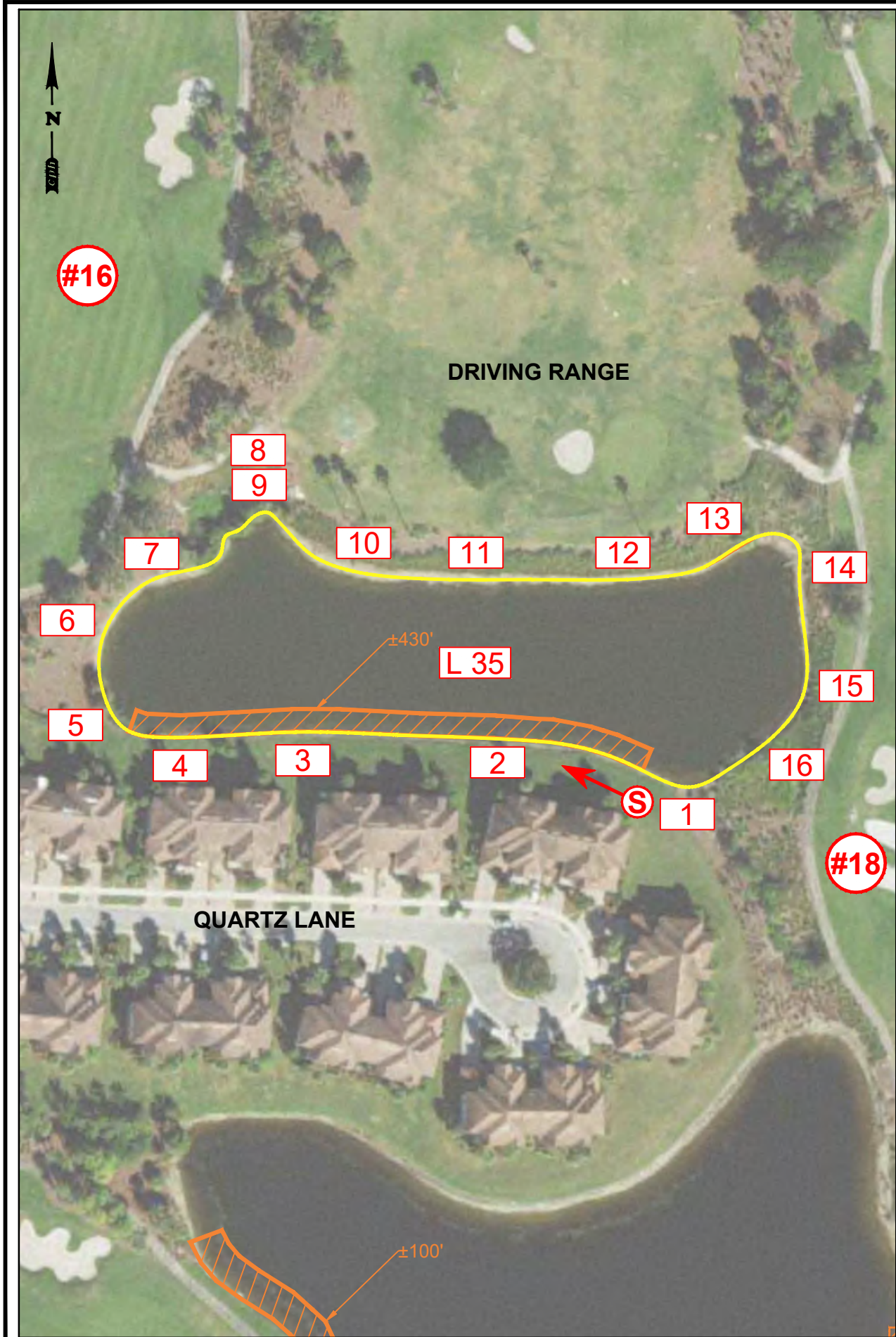
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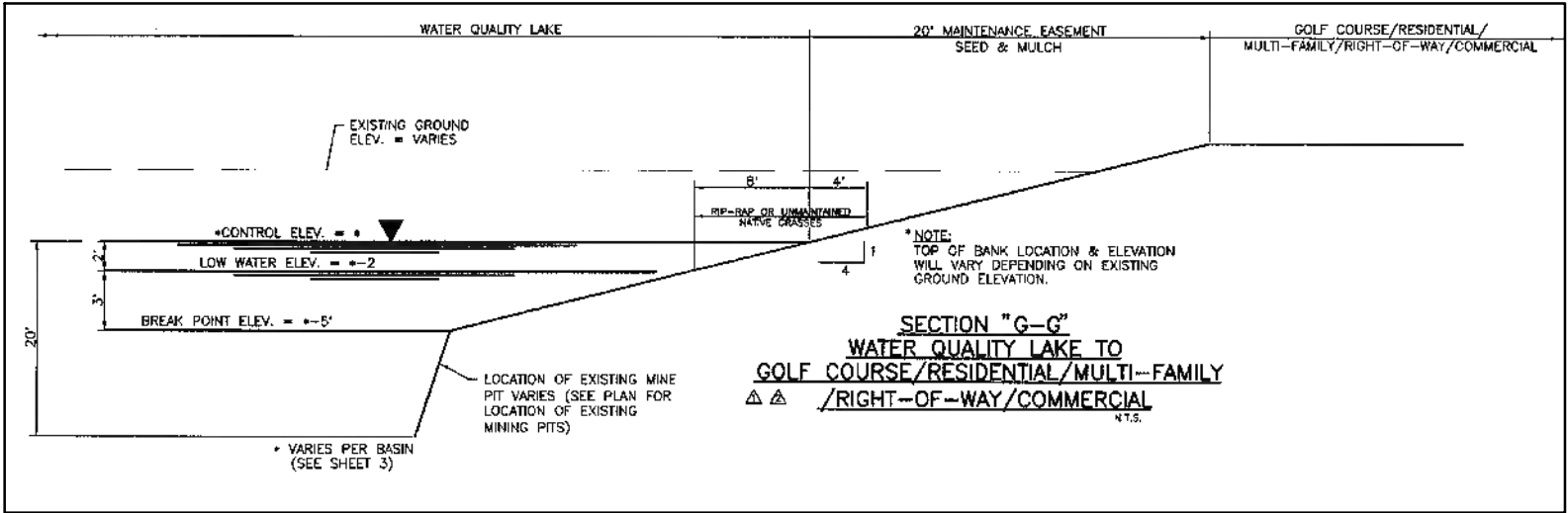
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**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 34**

Sheet No.
L34



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
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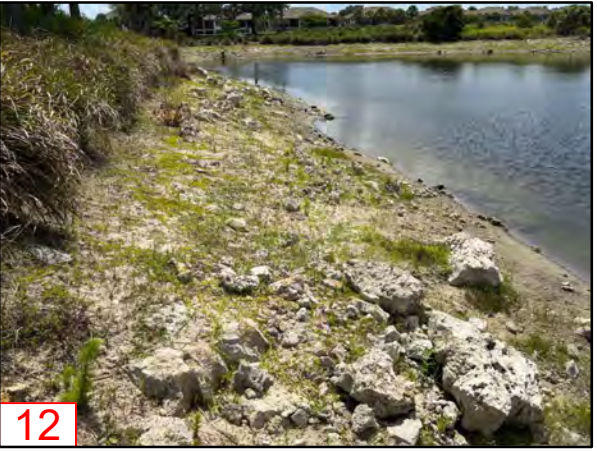
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LAKE BANK CONDITION SURVEY
LAKE 35

Sheet No.
L35



OBSERVATIONS:

- MODERATE STEPPED EROSION OBSERVED. (PHOTOS #1 - #4)

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
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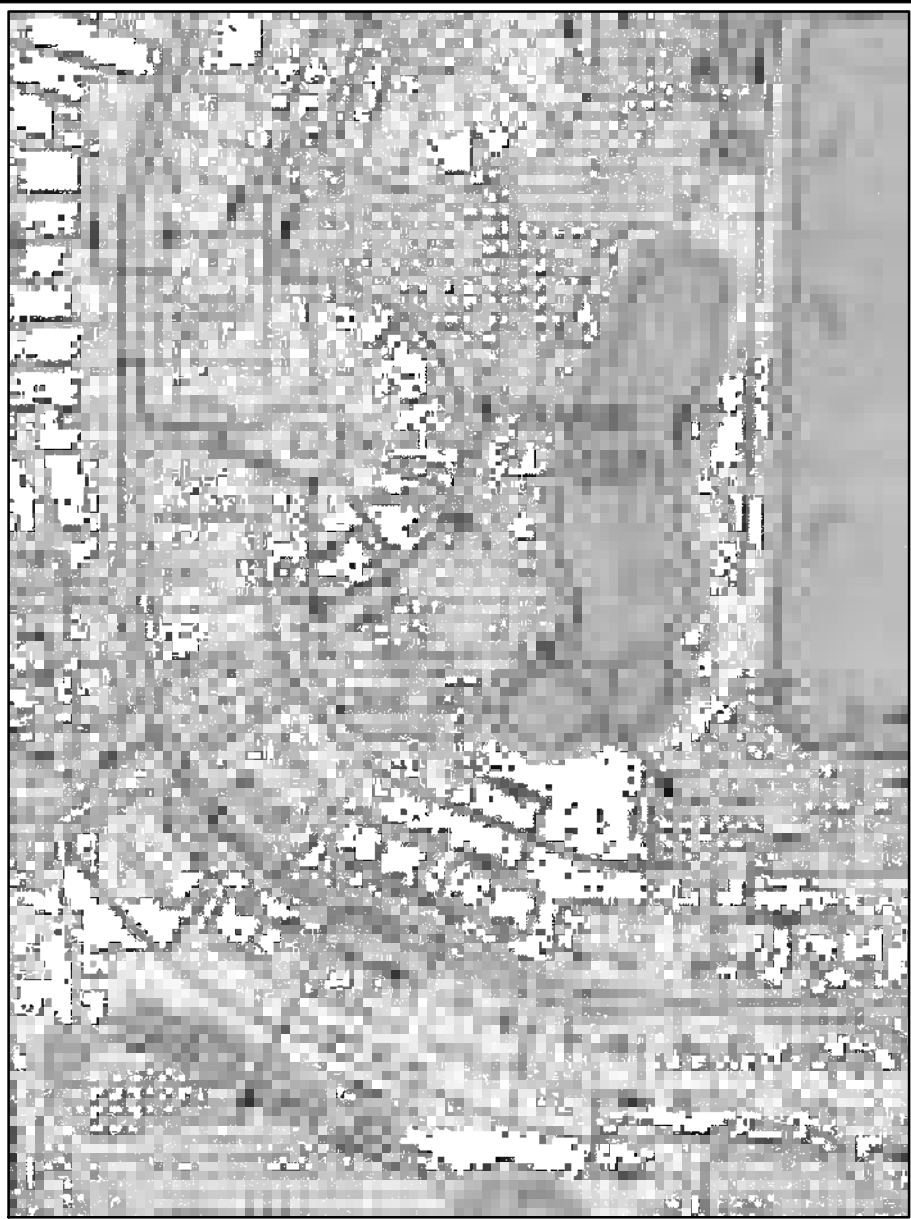
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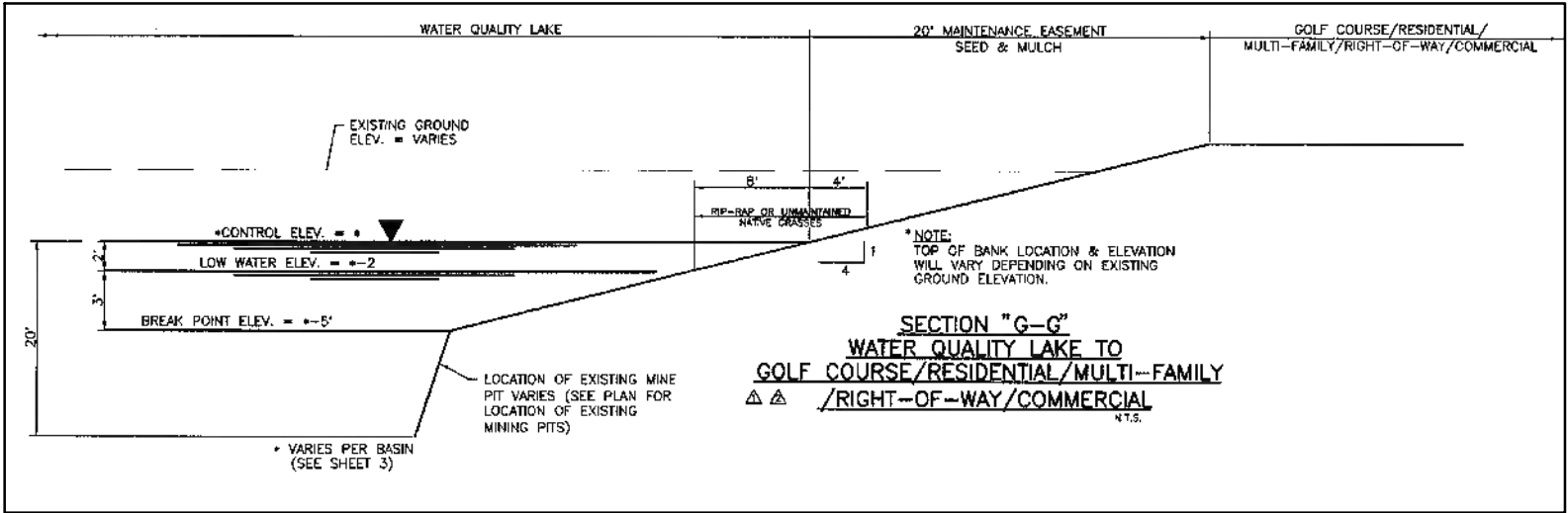
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**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 35**

Sheet No.
L35



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
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Drawn by:	J. ALLEN
Checked by:	A. LOPEZ
Date:	06/04/2025
Job No.	2500647

THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 36

Sheet No.
L36



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
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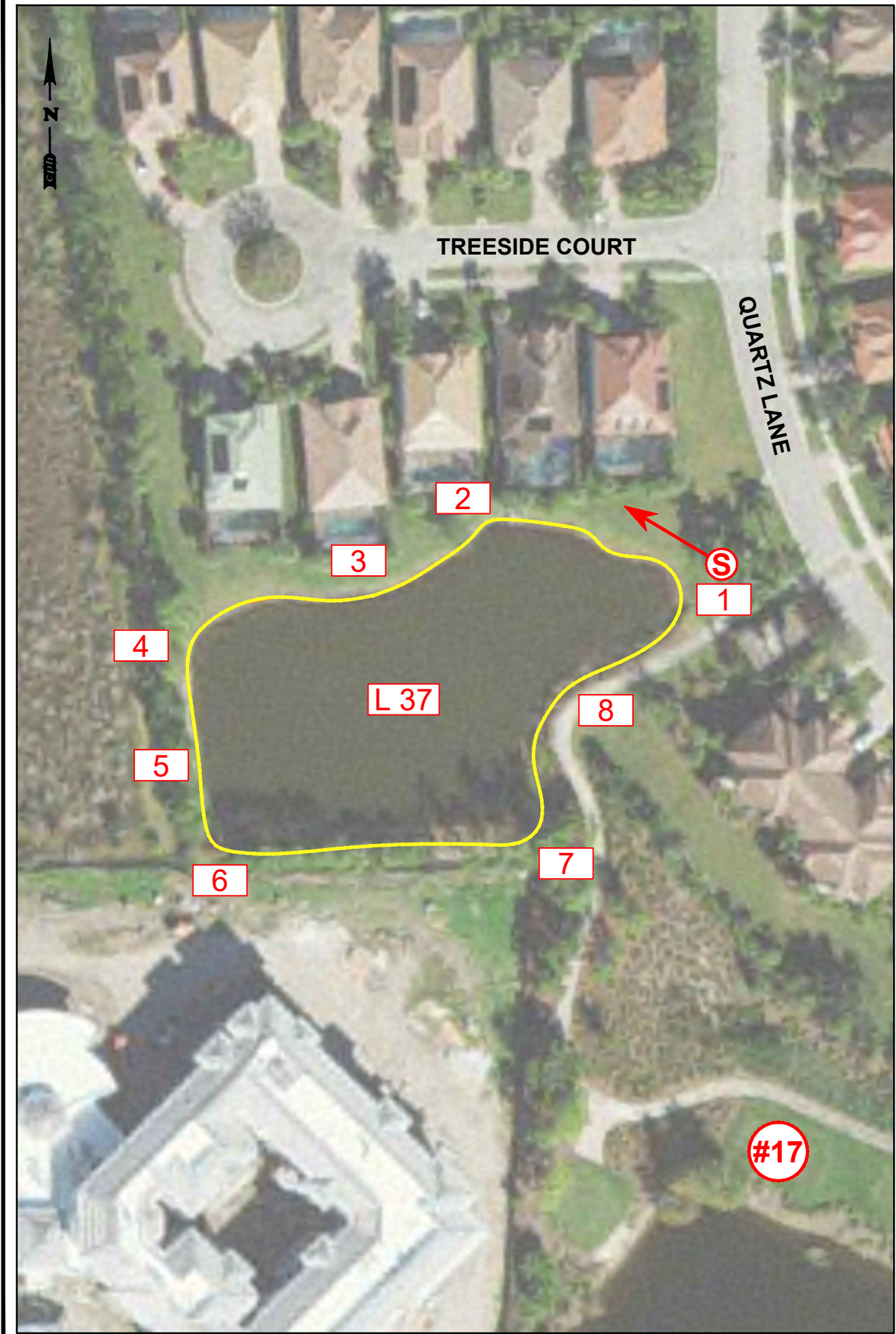
Plans Prepared By:
CPH, Inc.
State of Florida Licenses:
Engineer No. 3215
Surveyor No. LB7143
Architect No. AA2600926
Landscape No. LC000298

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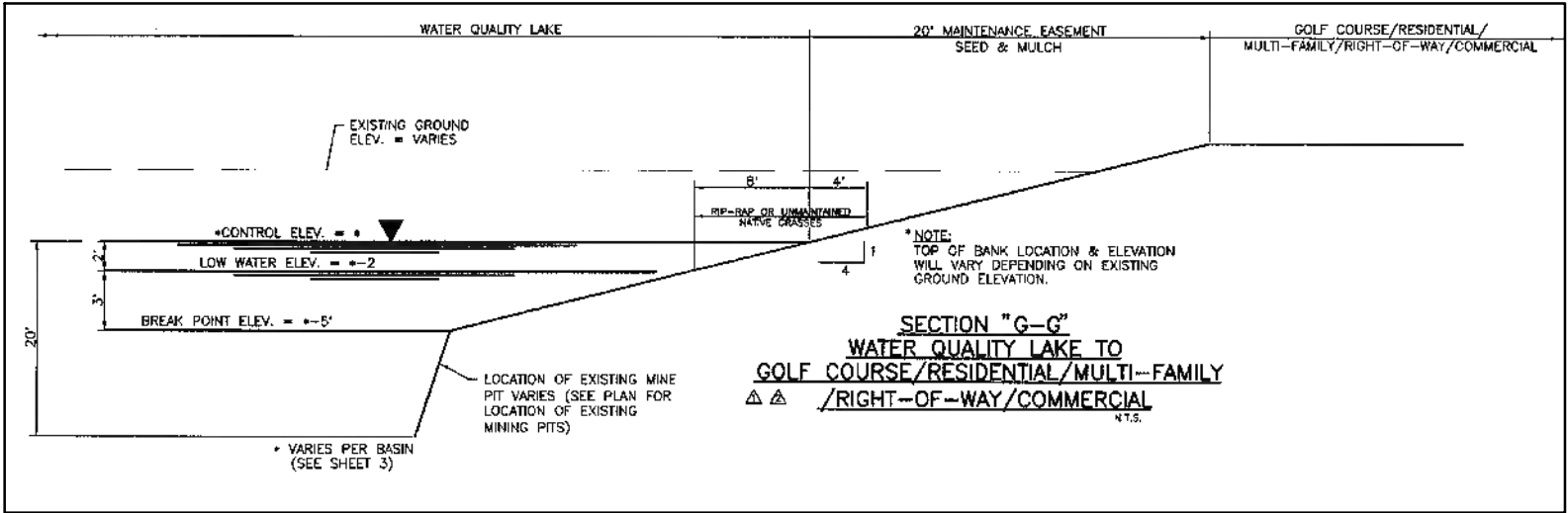
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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 36**

Sheet No.
L36



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
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7			7		
8			8		
9			9		
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
LAKE 37**

Sheet No.
L37



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
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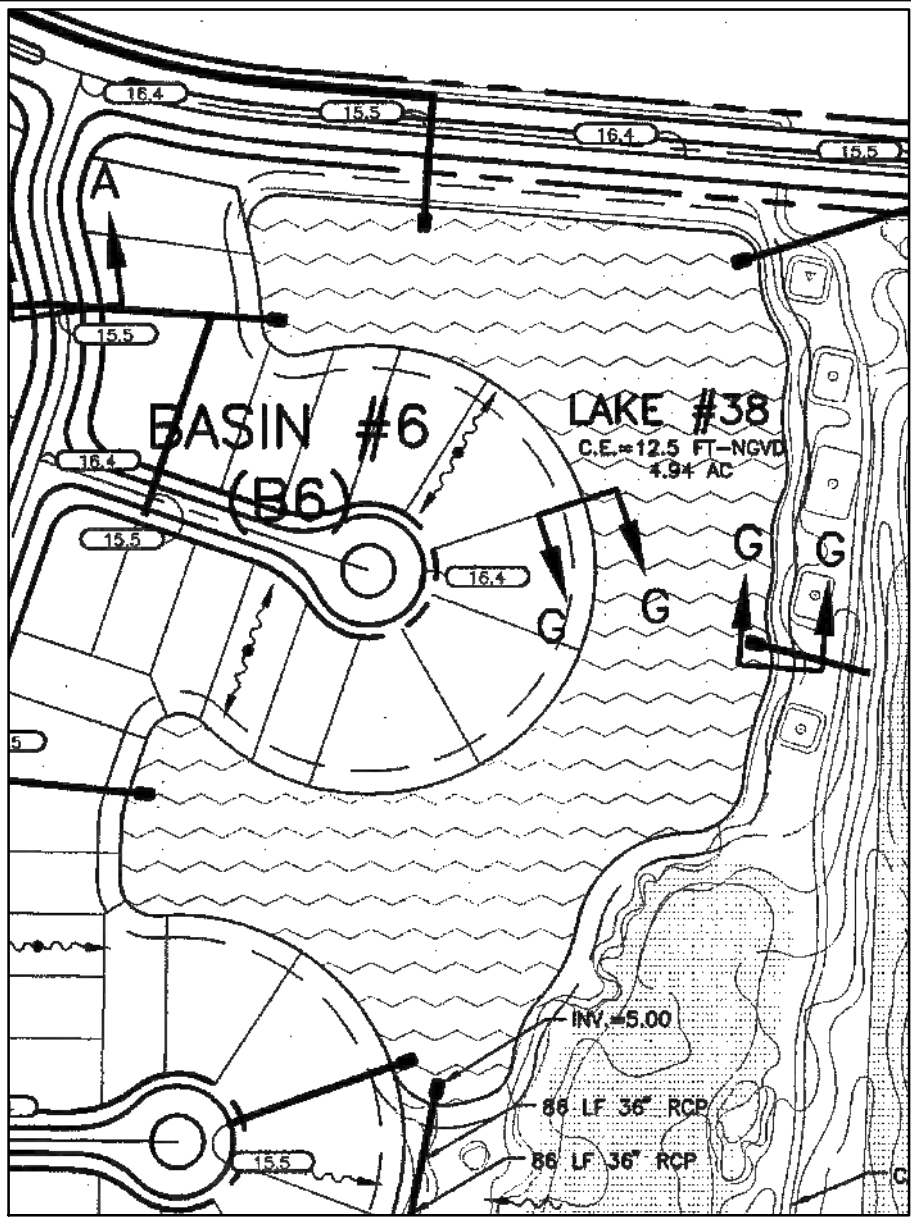
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Surveyor No. LB7143
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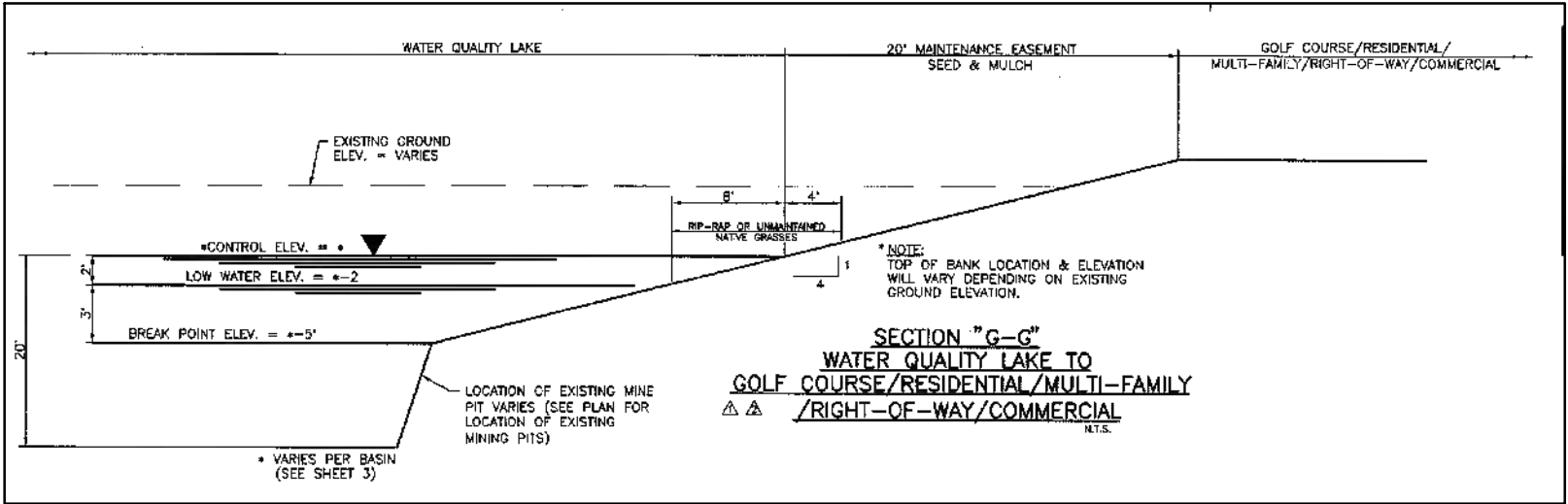
**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 37**

Sheet No.
L37



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
5			5		

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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 38

Sheet No.
L38



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
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17			17		
18			18		



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Checked by: A. LOPEZ
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Job No.: 2500647

**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 38**

Sheet No.
L38



- OBSERVATIONS:**
- NO EROSION DEFICIENCIES FOUND
- RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:**
- PERIODIC MONITORING



OBSERVATIONS:

- DRAINAGE PIPE PARTIALY COVERED WITH SEDIMENTS (PHOTO #11 & #16).
- CONTROL STRUCTURE PARTIALY COVERED WITH WEEDS AND GRASSES (PHOTO #13)

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PIPE CLEARING, WEEDS TREATMENT.

No.	Date	Revision	No.	Date	Revision
1			1		
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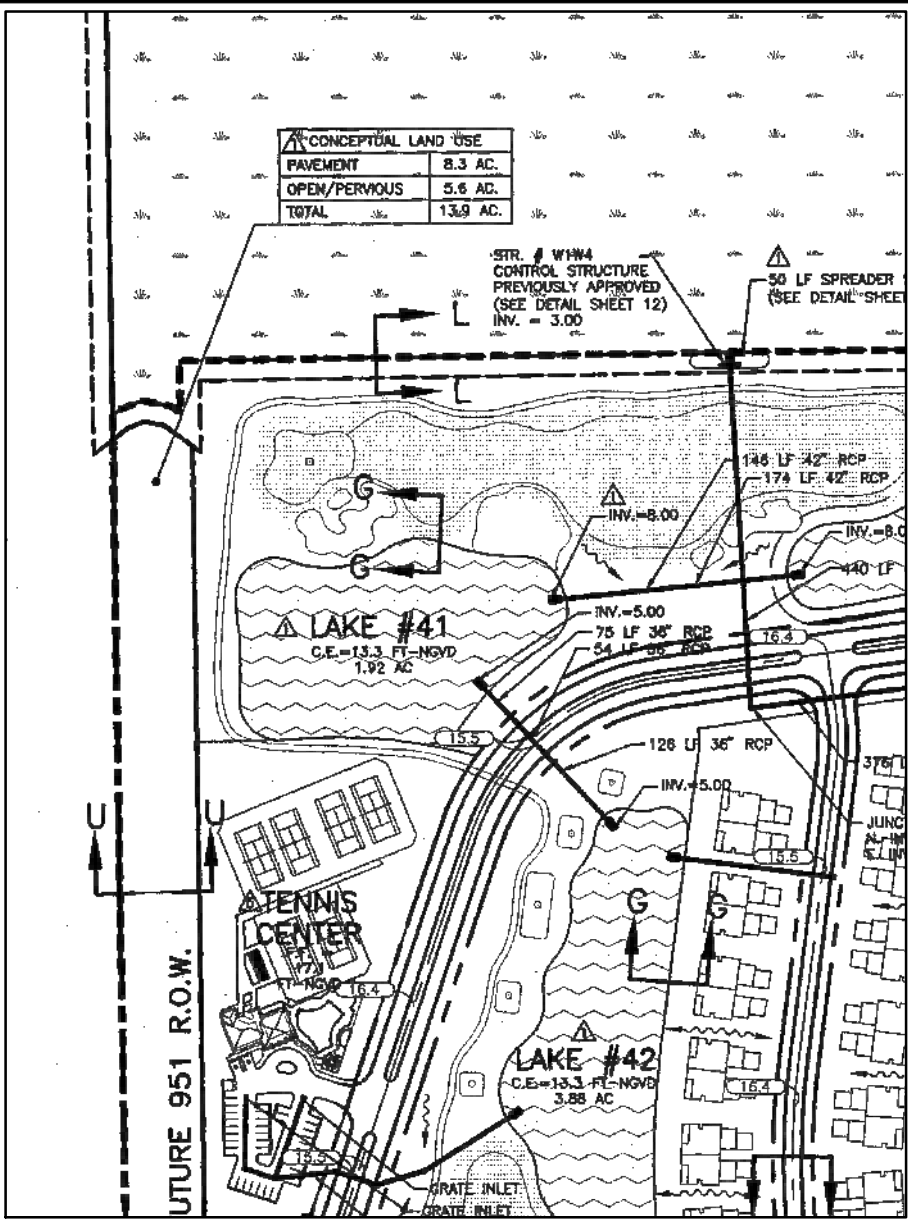
THE QUARRY COMMUNITY DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY PHOTOS - LAKE 40

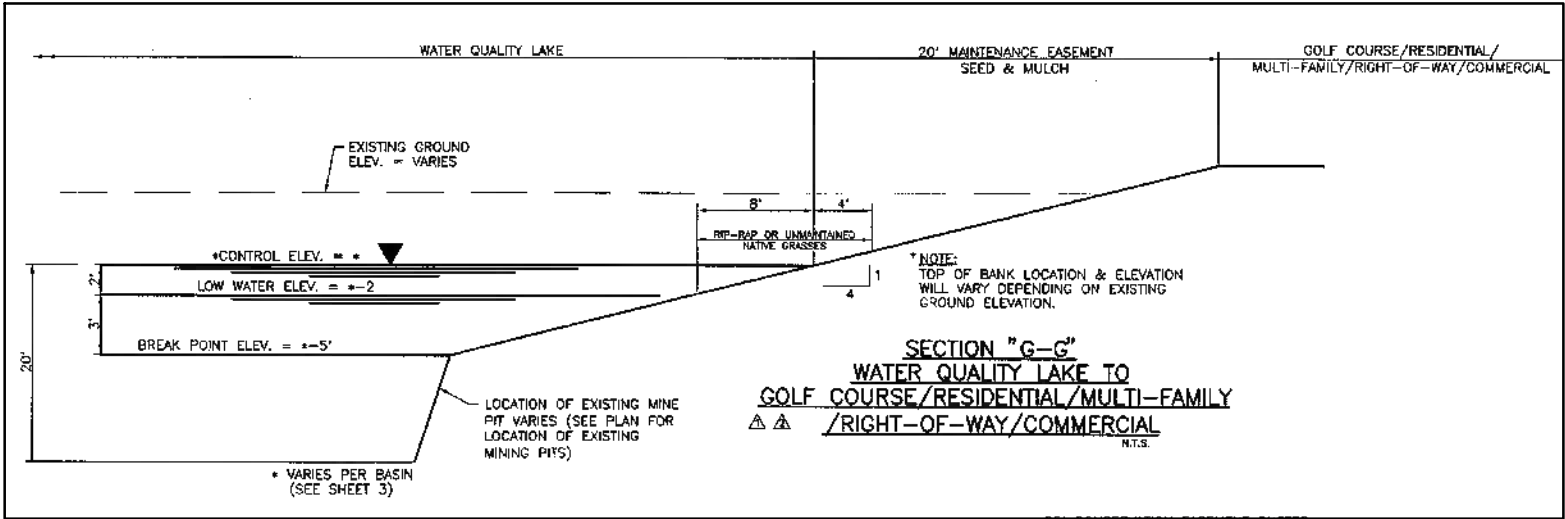
Sheet No.
L40



- OBSERVATIONS:**
- NO EROSION DEFICIENCIES FOUND.
- RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:**
- PERIODIC MONITORING.



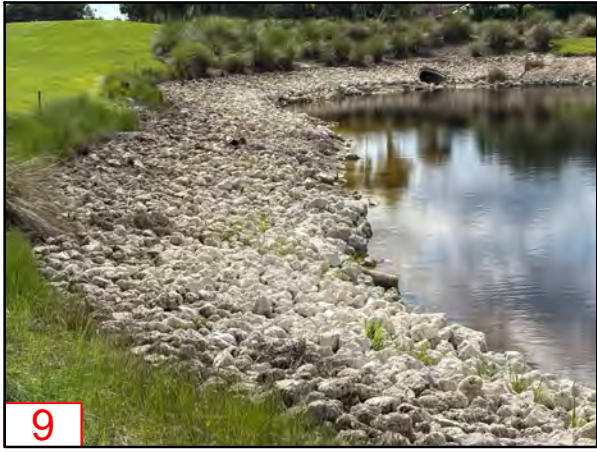
LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

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1			1											
2			2											
3			3											
4			4											



OBSERVATIONS:

- *EROSION AREAS CURRENTLY BEING TREATED AS PART OF PHASE III PROJECT.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
5			5		



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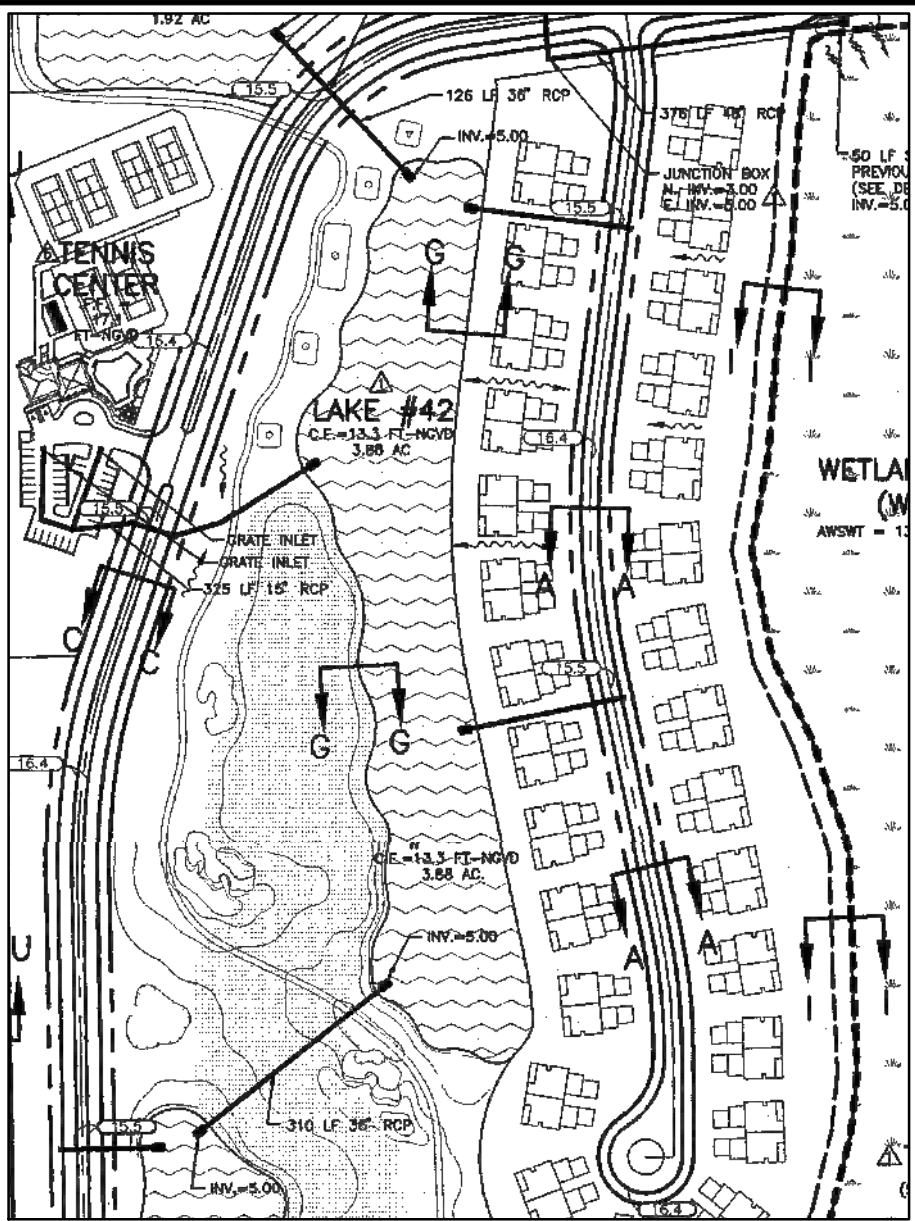
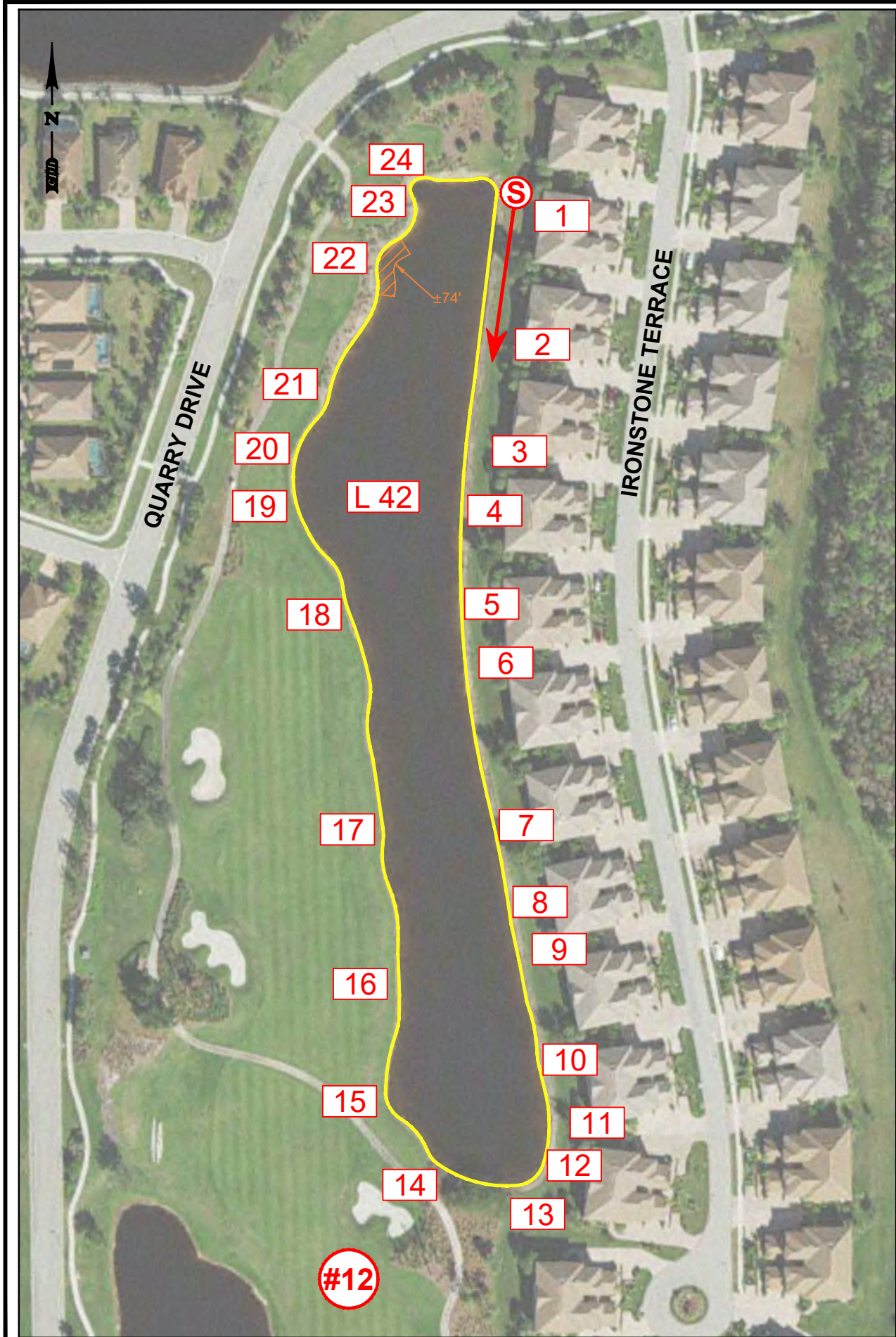
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 41**

Sheet No.
L41



LEGEND

PHOTO STARTING POINT

LAKE NUMBER

APPROX. LAKE LIMITS

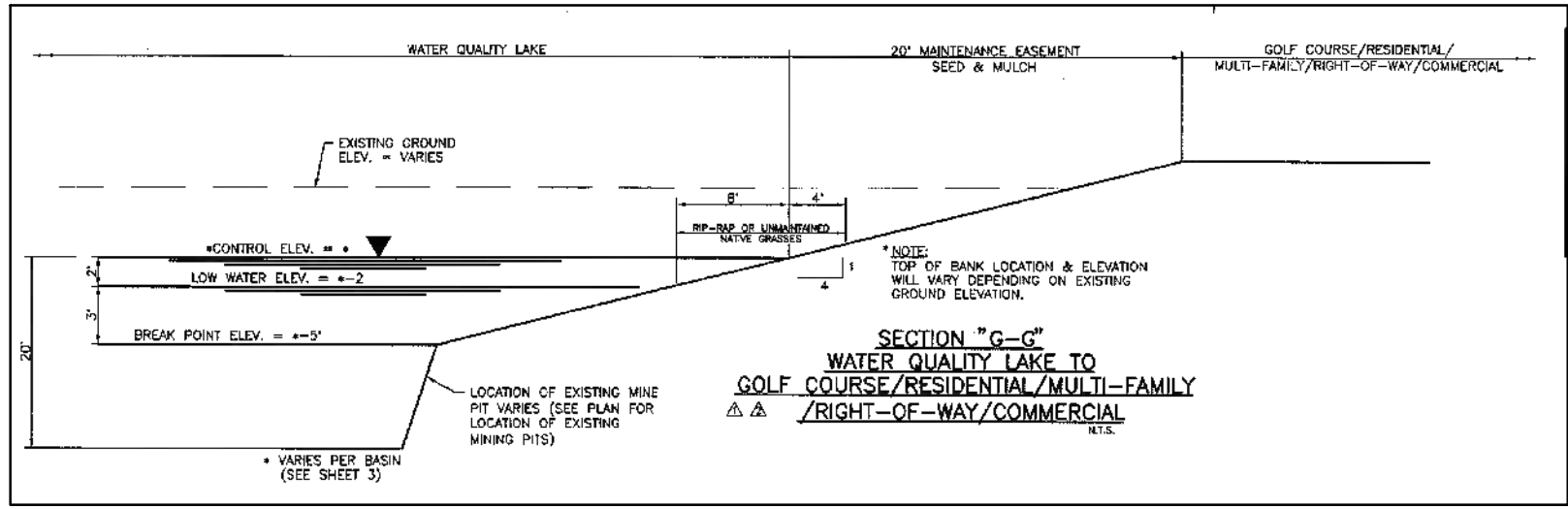
PHOTO NUMBERS

GOLF COURSE HOLE #

PRIORITY #1

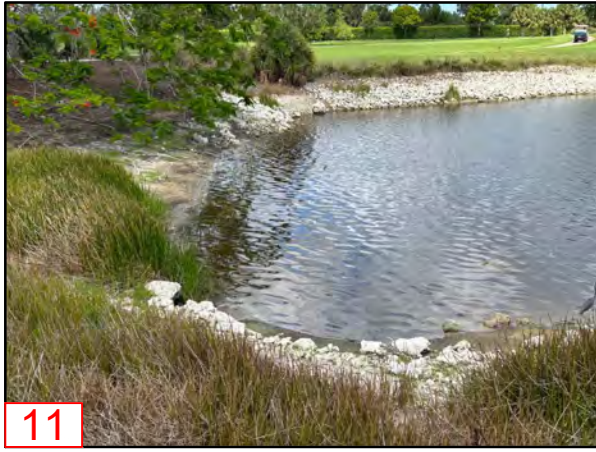
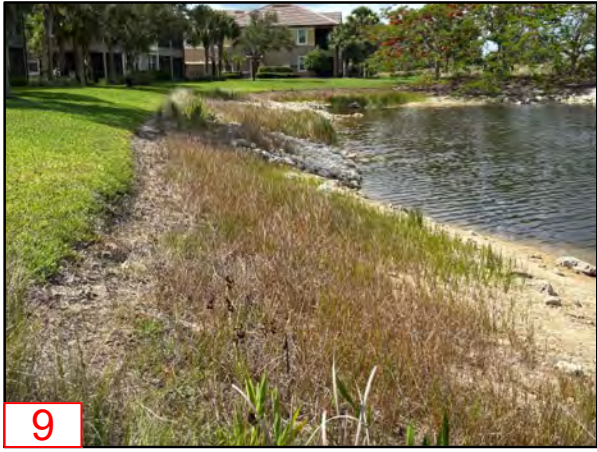
PRIORITY #2

PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		



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Landscape No. LC000298

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Drawn by: J. ALLEN
Checked by: A. LOPEZ
Date: 06/02/2025
Job No. 2500647

**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 42**

Sheet No.
L42



OBSERVATIONS:

- MODERATE EROSION OBSERVED (PHOTOS #22)

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS

No.	Date	Revision	No.	Date	Revision
Δ			Δ		
Δ			Δ		
Δ			Δ		
Δ			Δ		



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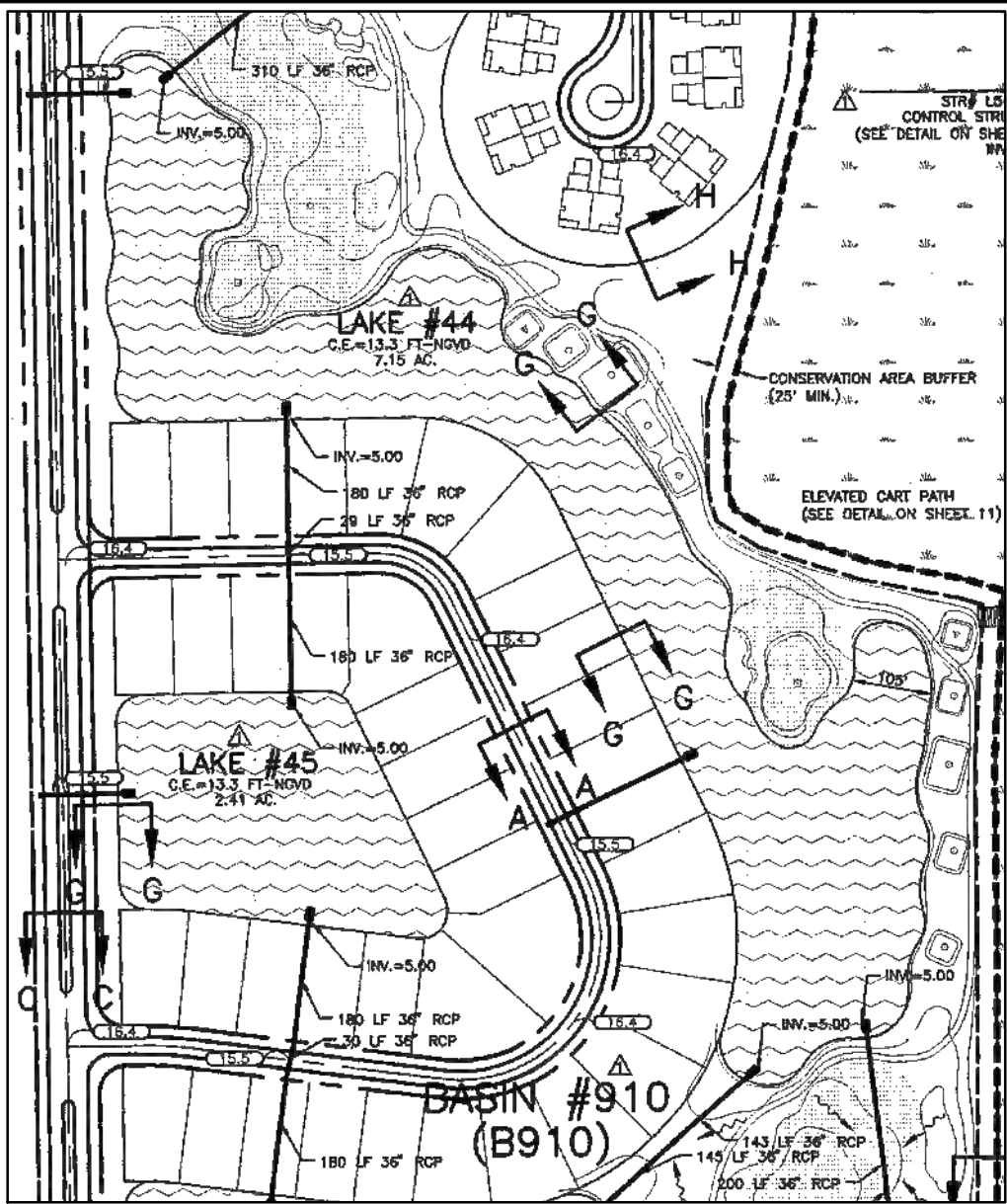
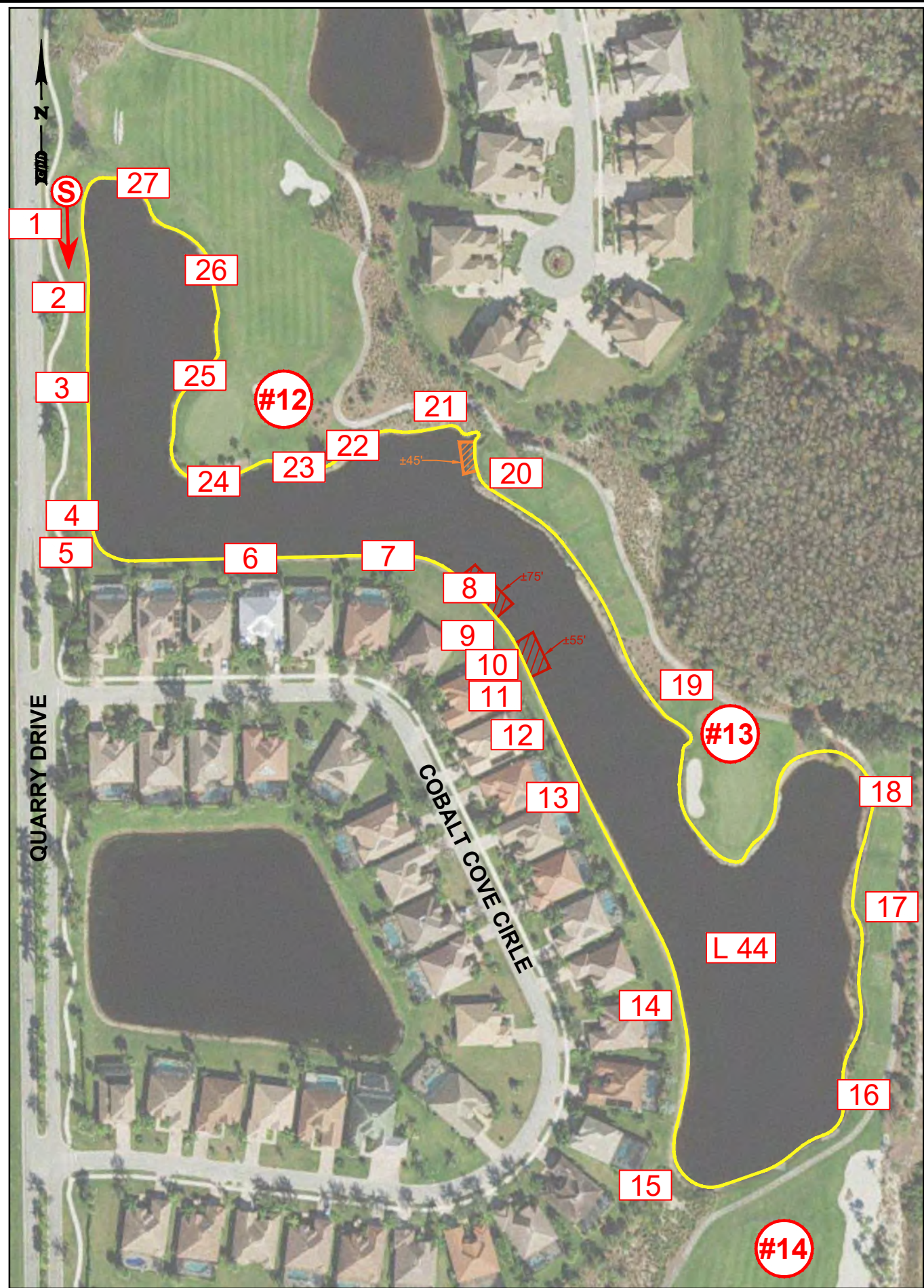
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Surveyor No. LB7143
Architect No. AA26000926
Landscape No. LC000298

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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 42**

Sheet No.
L42



LEGEND

S

→

PHOTO STARTING POINT

L ##

LAKE NUMBER

APPROX. LAKE LIMITS

##

PHOTO NUMBERS

#

GOLF COURSE HOLE #

PRIORITY #1

PRIORITY #2

PRIORITY #3

ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
1			2		
2			3		
3			4		
4			5		

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Job No.	2500647

THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 44

Sheet No.
L44

J:\2500647\Civil\DWG\Report_Figures_and_Exhibits\The Quarry CDD_Lake Inspection Exhibit - Lakes 40 To 49.dwg, 8/13/2025 12:28:16 PM, John Layton,

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.



OBSERVATIONS:

- MODERATE TO MAJOR EROSION OBSERVED (PHOTOS #8, #10 AND #20)

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS.
- INSTALL 6"-8" RIPRAP LAYER AND KEY-WAY (6"-8") TO PROTECT LAKE BANK.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
5			5		

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Job No.	2500647

THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 44

Sheet No.
L44



OBSERVATIONS:

- MODERATE EROSION PHOTO # 20

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
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Job No.	2500647

**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 44**

Sheet No.
L44



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
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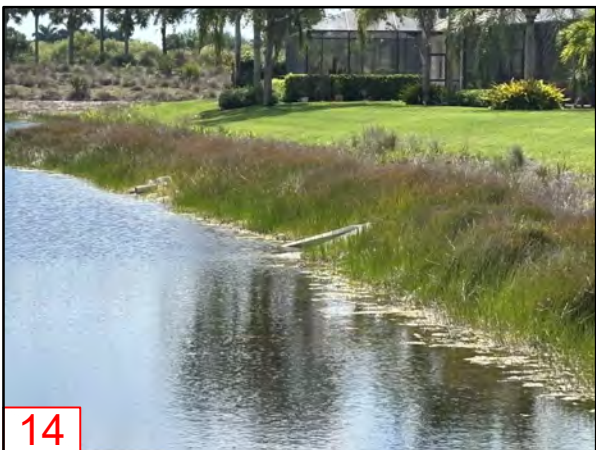
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Landscape No. LC000298

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Checked by:	A. LOPEZ
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Job No.	2500647

**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 45**

Sheet No.
L45



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
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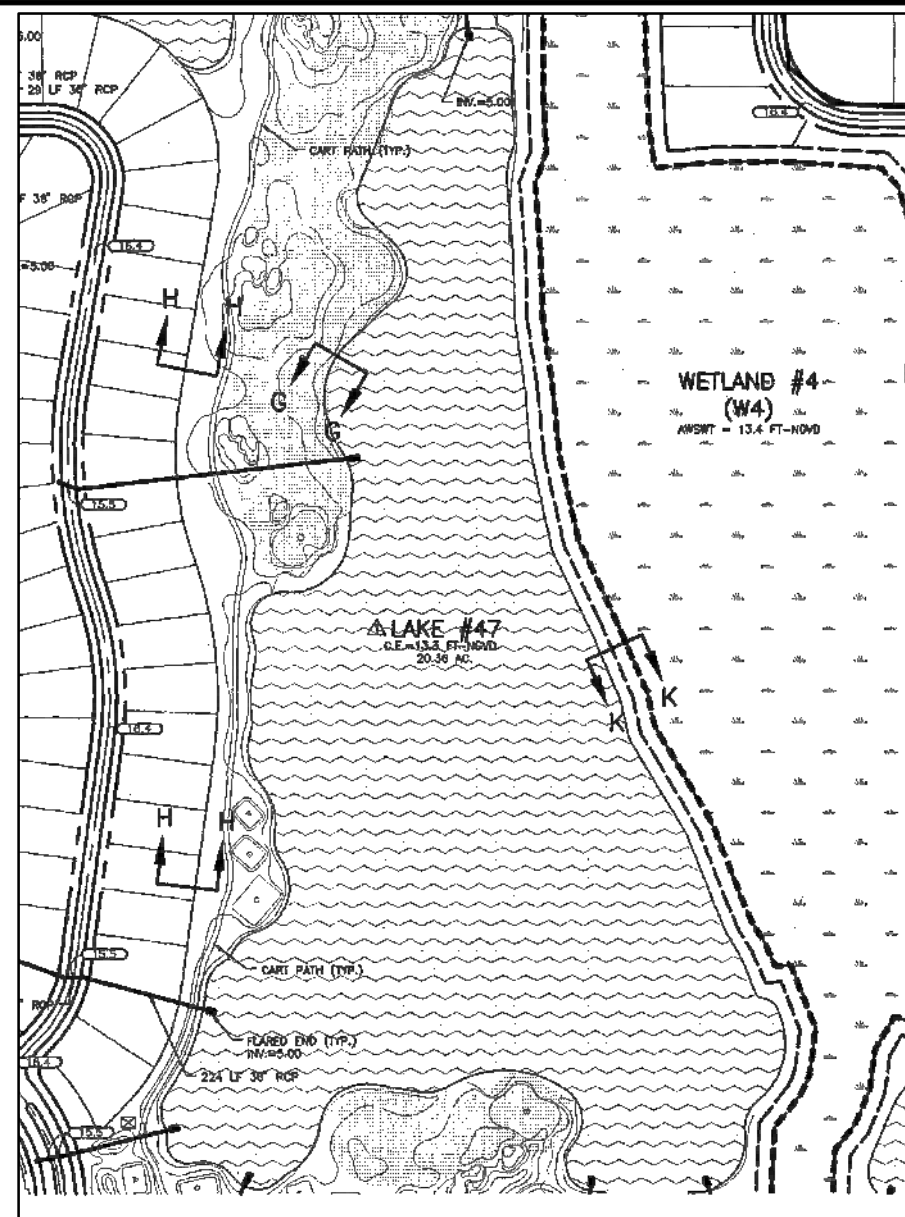
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Architect No. AA26000926
Landscape No. LC000298

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Job No. 2500647

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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 46**

Sheet No.
L46



LEGEND

S

→

PHOTO STARTING POINT

L ##

LAKE NUMBER

APPROX. LAKE LIMITS

##

PHOTO NUMBERS

#

GOLF COURSE HOLE #

▨

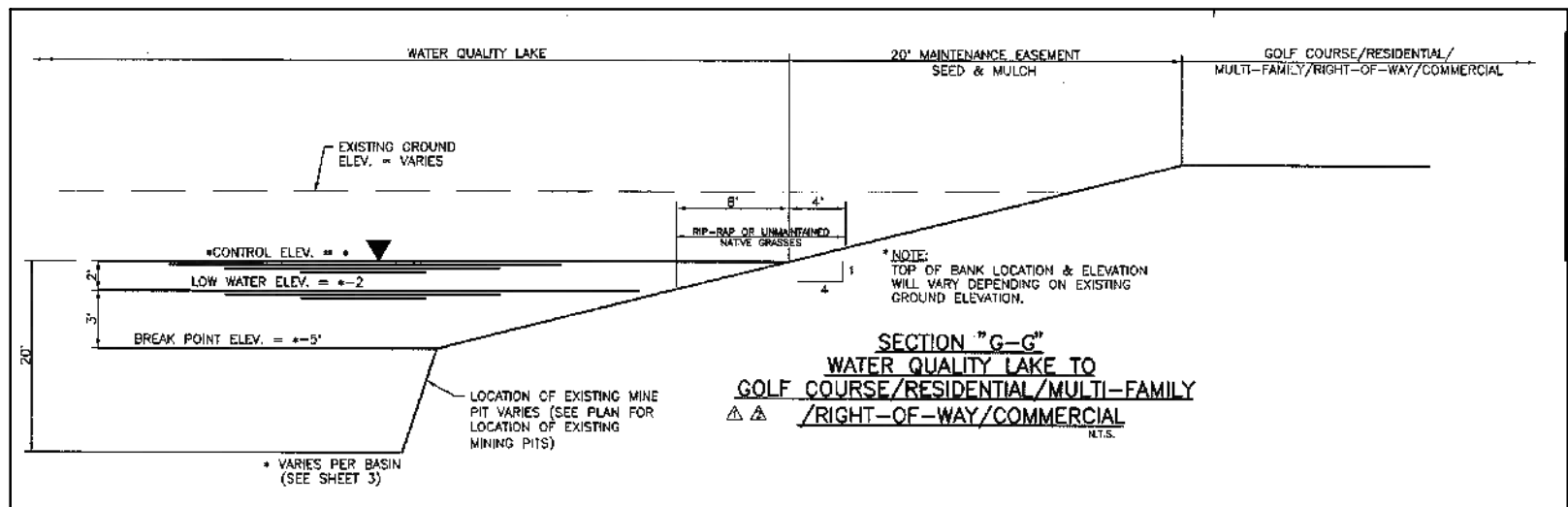
PRIORITY #1

▨

PRIORITY #2

▨

PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.



OBSERVATIONS:

- MAJOR EROSION OBSERVED (PHOTO #17).

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
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Surveyor No. LB7143
Architect No. AA26000926
Landscape No. LC000298

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Drawn by:	J. ALLEN
Checked by:	A. LOPEZ
Date:	06/23/2025
Job No.	2500647

THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 47

Sheet No.
L47



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
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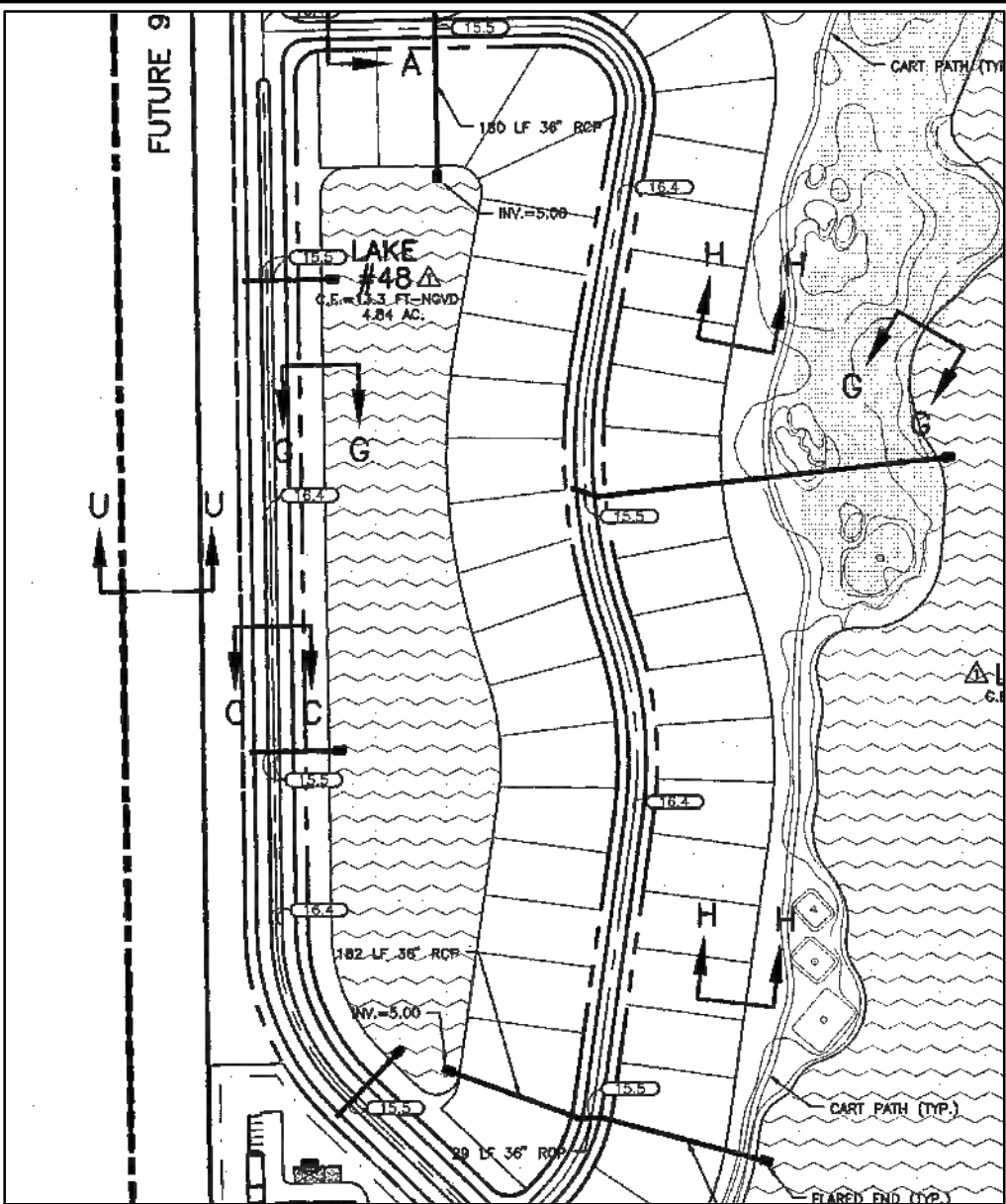
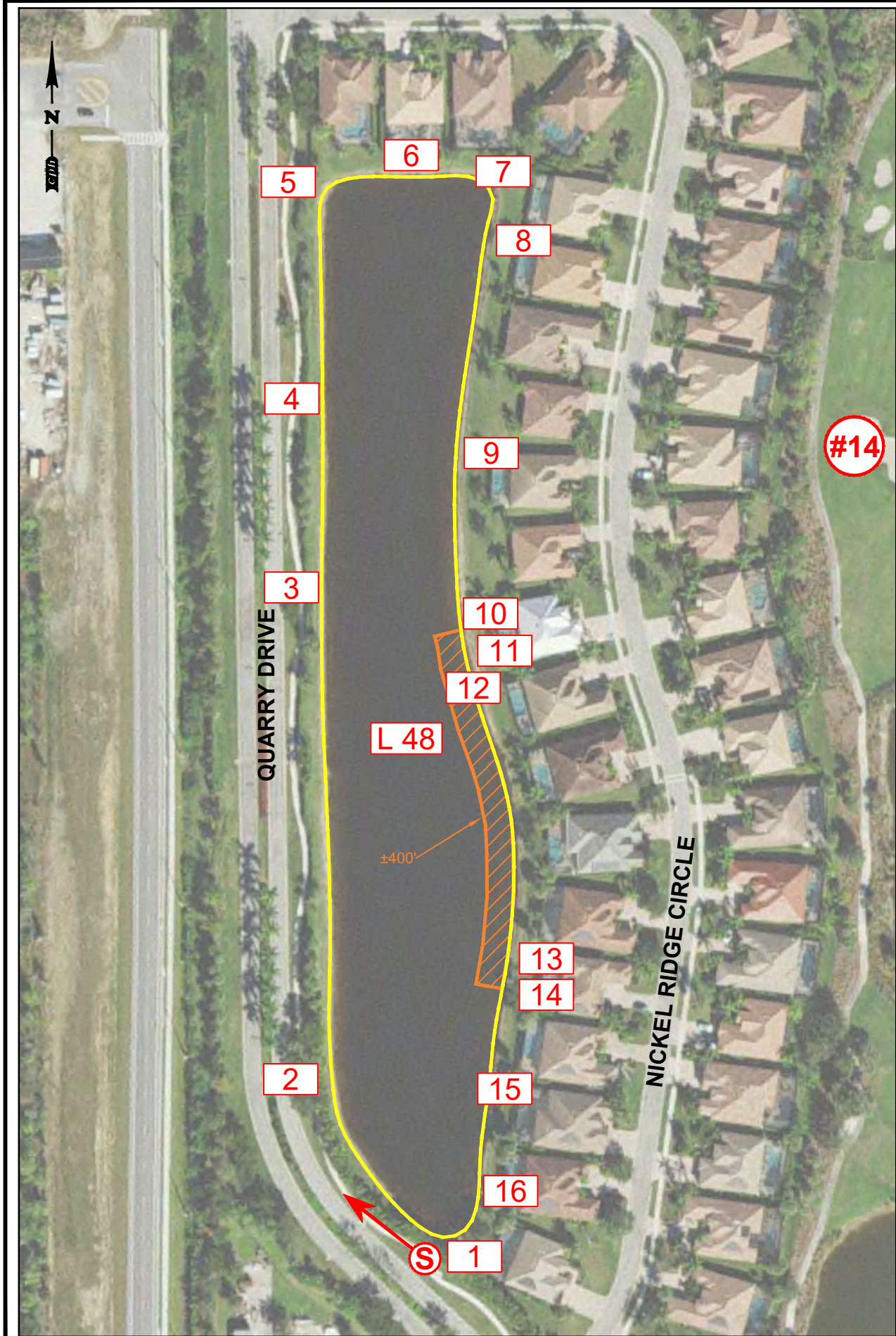
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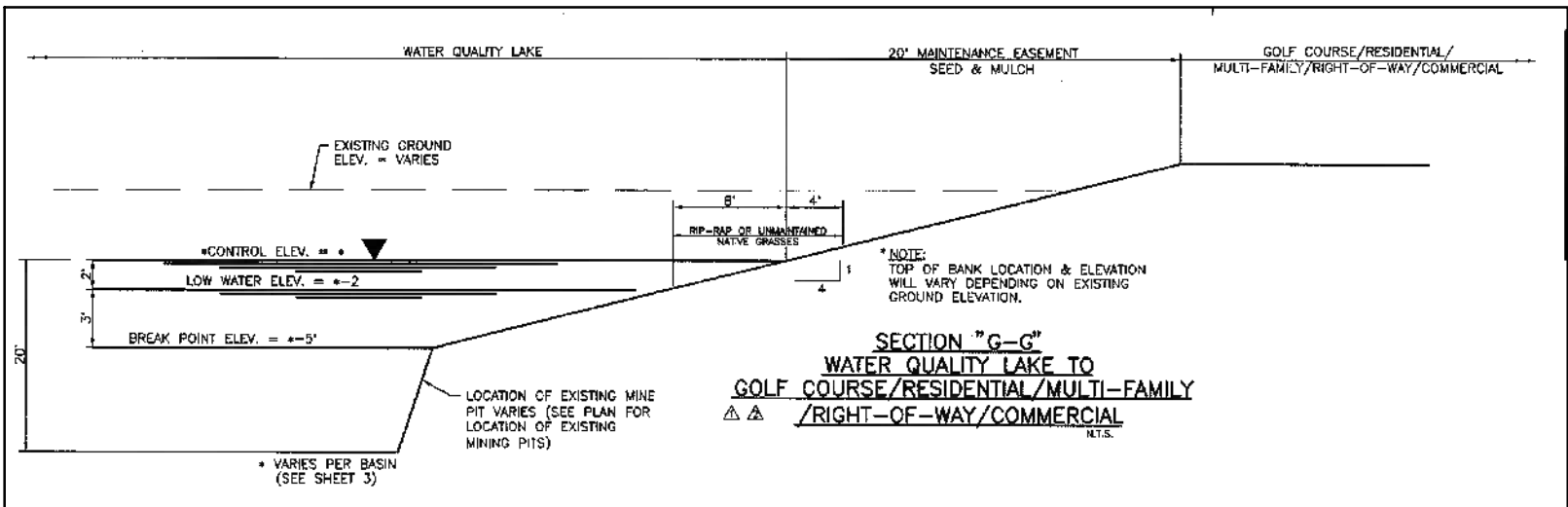
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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 47**

Sheet No.
L47



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

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Engineer No. 3215
Surveyor No. LB7143
Architect No. AA2600926
Landscape No. LC000298

Designed by:	N/A
Drawn by:	J. ALLEN
Checked by:	A. LOPEZ
Date:	06/20/2025
Job No.	2500647

THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 48

Sheet No.
L48



OBSERVATIONS:

- MODERATE EROSION OBSERVED (PHOTOS #11, 12, AND 13)

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS.
- INSTALL 6"-8" RIPRAP LAYER AND KEY-WAY (6"-8") TO PROTECT LAKE BANK.

No.	Date	Revision	No.	Date	Revision
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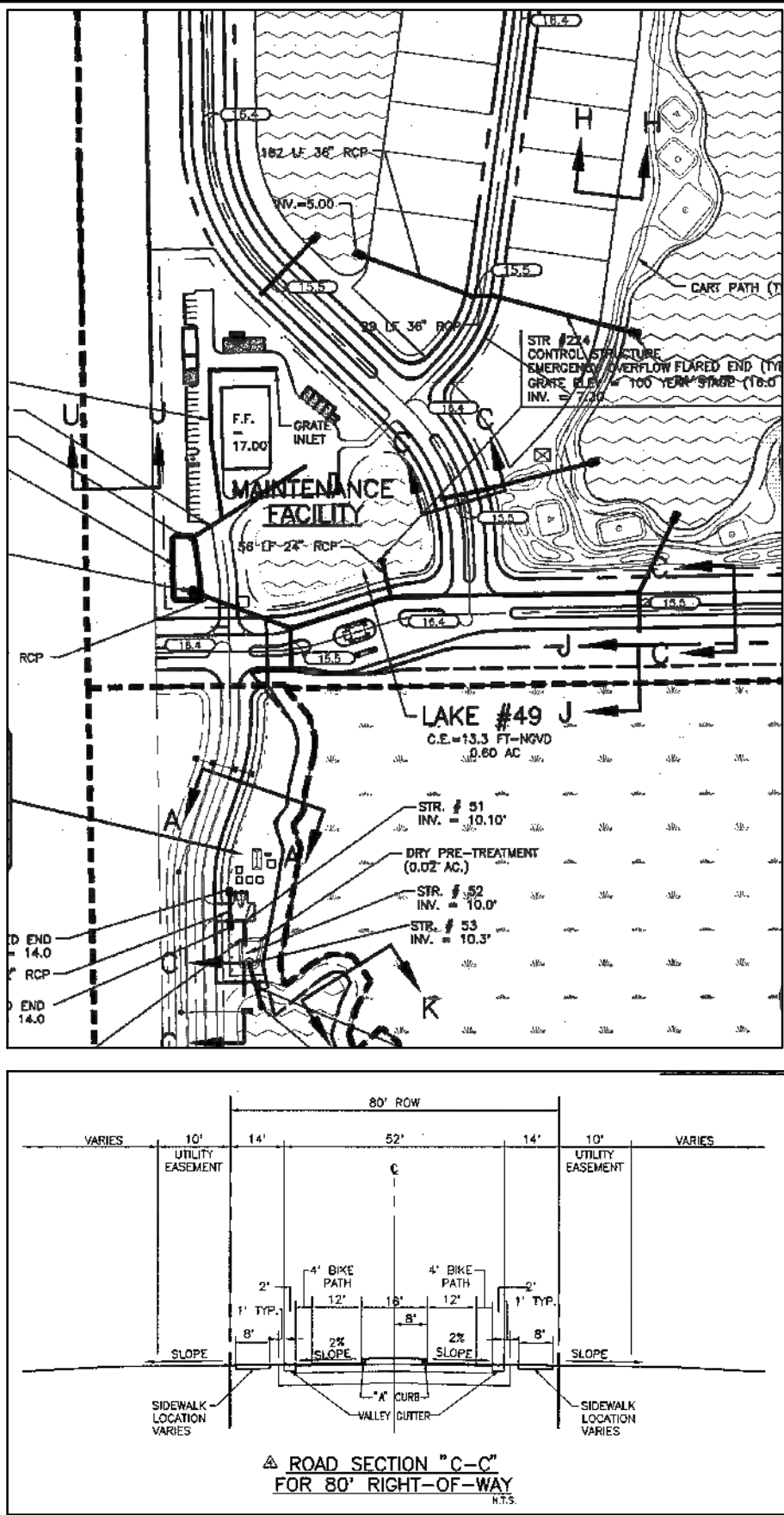
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 48**

Sheet No.
L48



LEGEND

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PHOTO STARTING POINT

LAKE NUMBER

APPROX. LAKE LIMITS

PHOTO NUMBERS

GOLF COURSE HOLE #

PRIORITY #1

PRIORITY #2

PRIORITY #3

ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 49

Sheet No.
L49

J:\2500647\Civil\DWG\Report_Figures_and_Exhibits\The Quarry CDD_Lake Inspection Exhibit - Lakes 40 To 49.dwg, 8/13/2025 12:29:21 PM, John Layton,

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.
- LITTORAL PLANTING ADDITIONS

No.	Date	Revision	No.	Date	Revision
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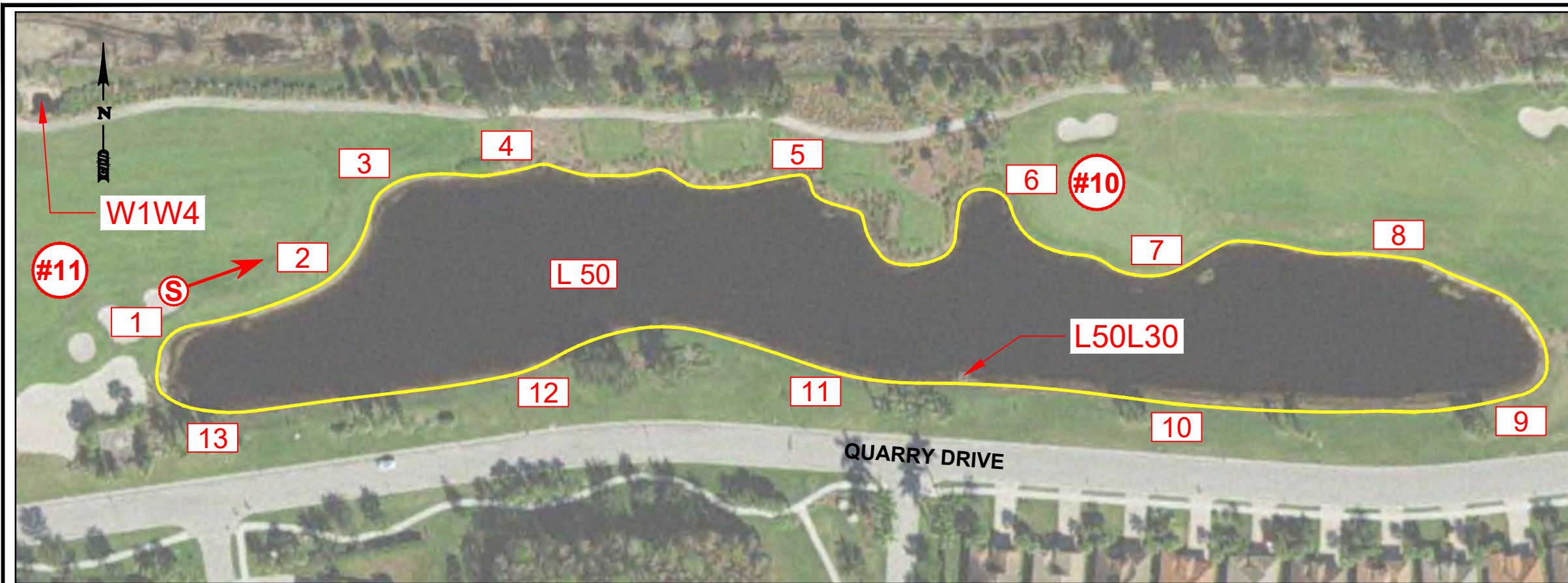
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Surveyor No. LB7143
Architect No. AA26000926
Landscape No. LC000298

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Job No.	2500647

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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

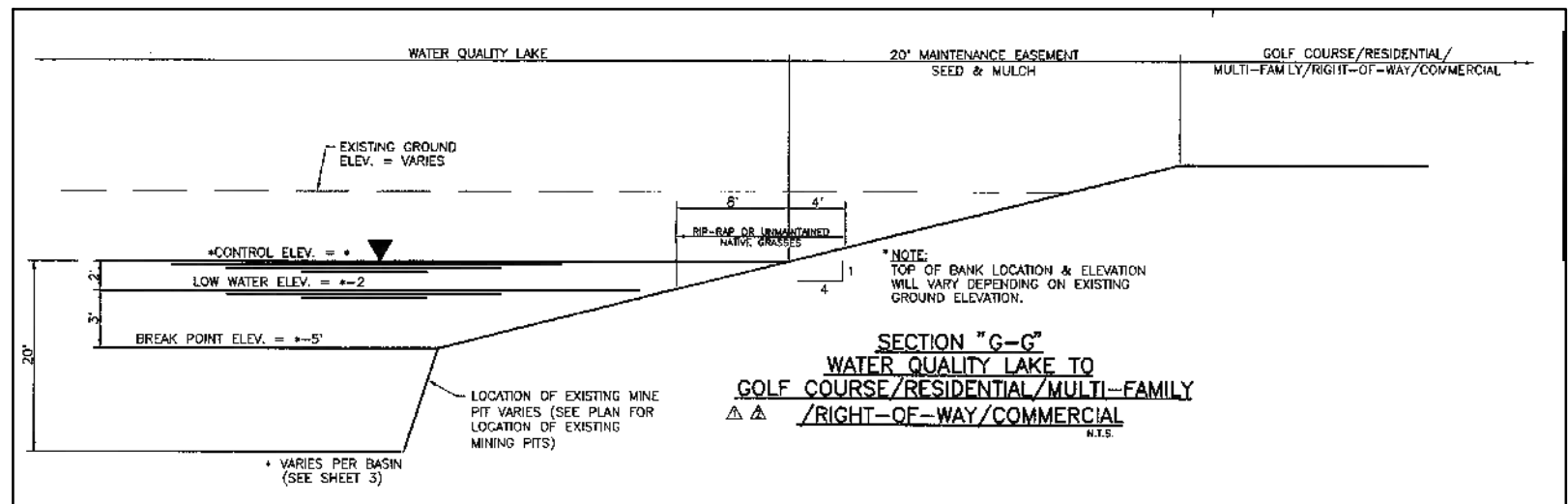
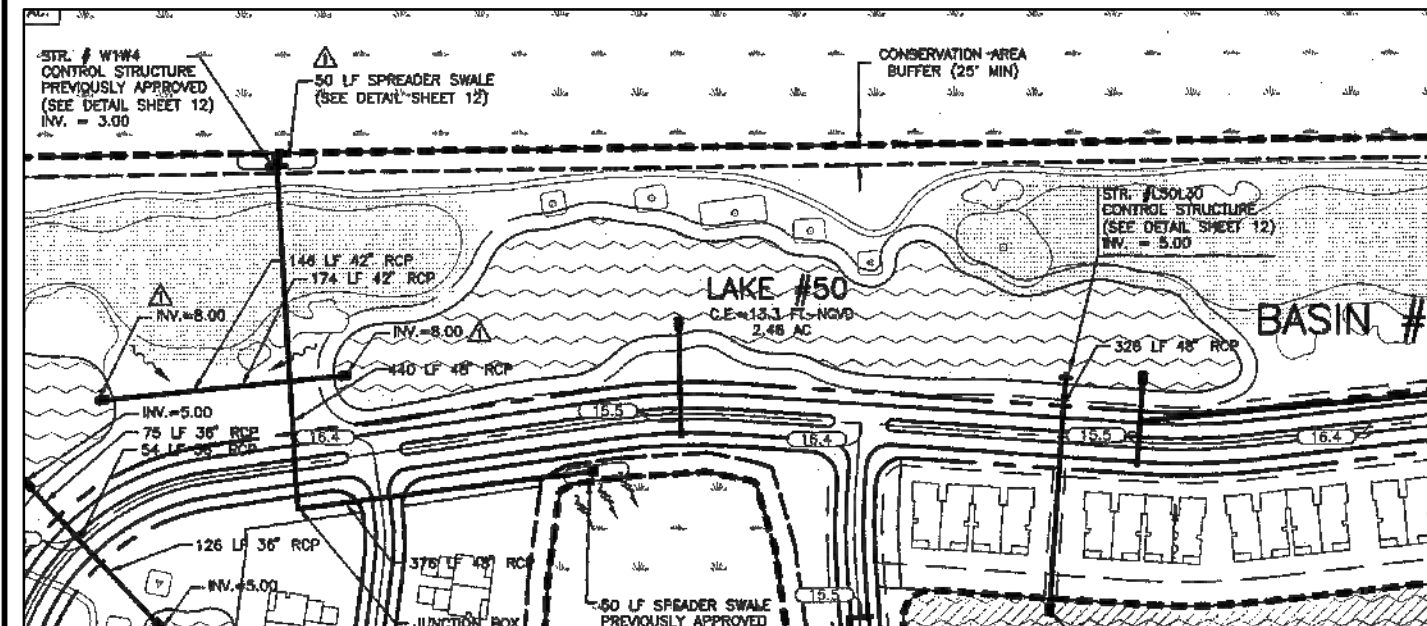
**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 49**

Sheet No.
L49



LEGEND

- PHOTO STARTING POINT
- LAKE NUMBER
- APPROX. LAKE LIMITS
- PHOTO NUMBERS
- GOLF COURSE HOLE #
- PRIORITY #1
- PRIORITY #2
- PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
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Checked by:	A. LOPEZ
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 50

Sheet No.
L50



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
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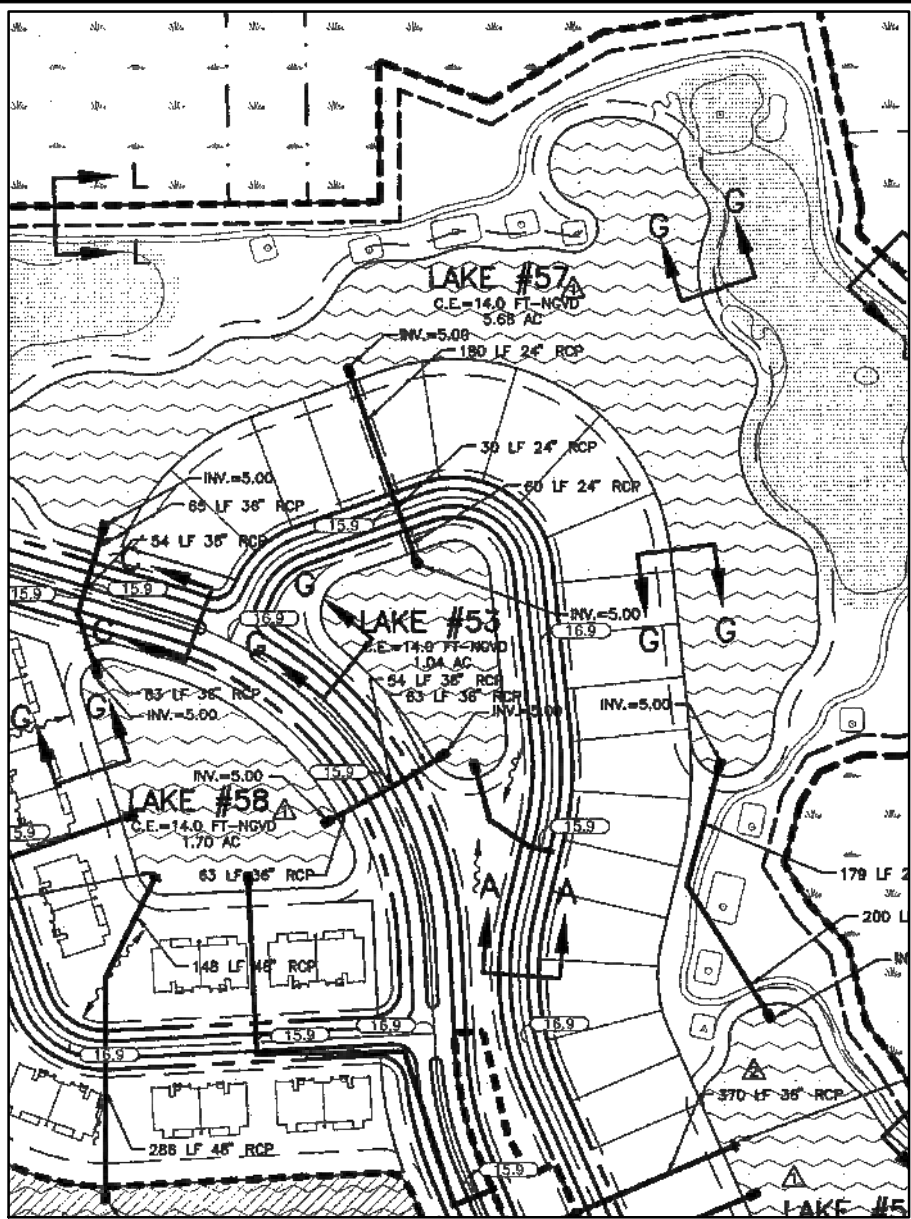
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Architect No. AA26000926
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 50**

Sheet No.
L50



LEGEND

PHOTO STARTING POINT

LAKE NUMBER

APPROX. LAKE LIMITS

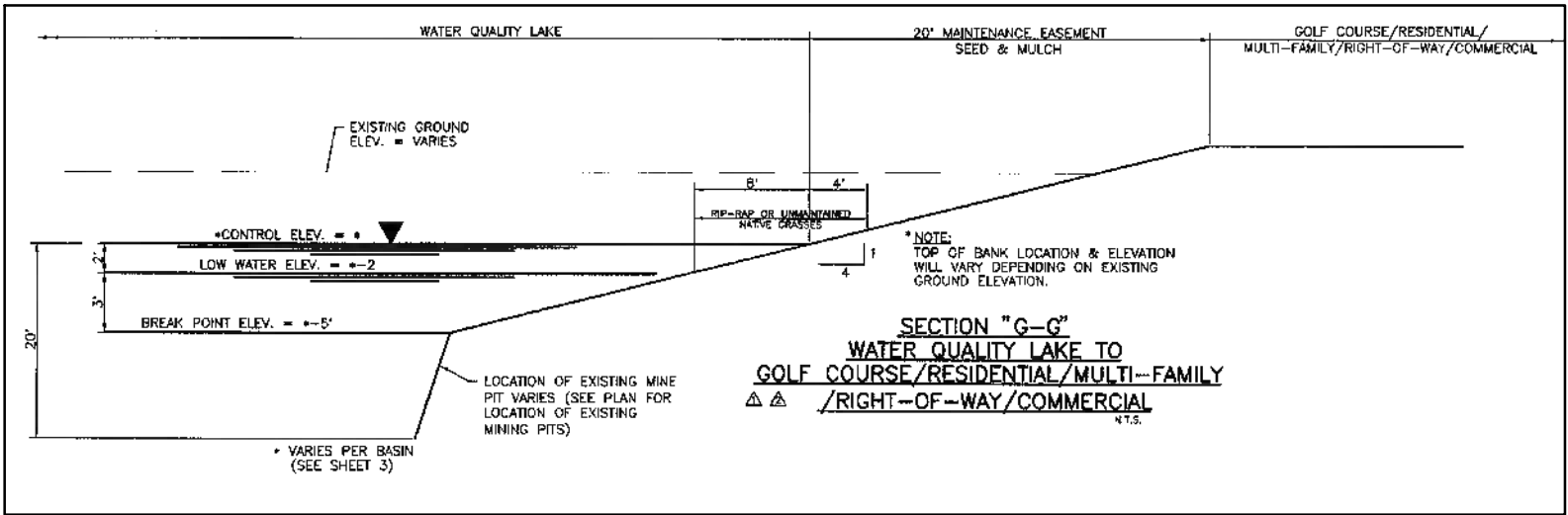
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GOLF COURSE HOLE #

PRIORITY #1

PRIORITY #2

PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
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THE QUARRY COMMUNITY DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 53

Sheet No.
L53



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
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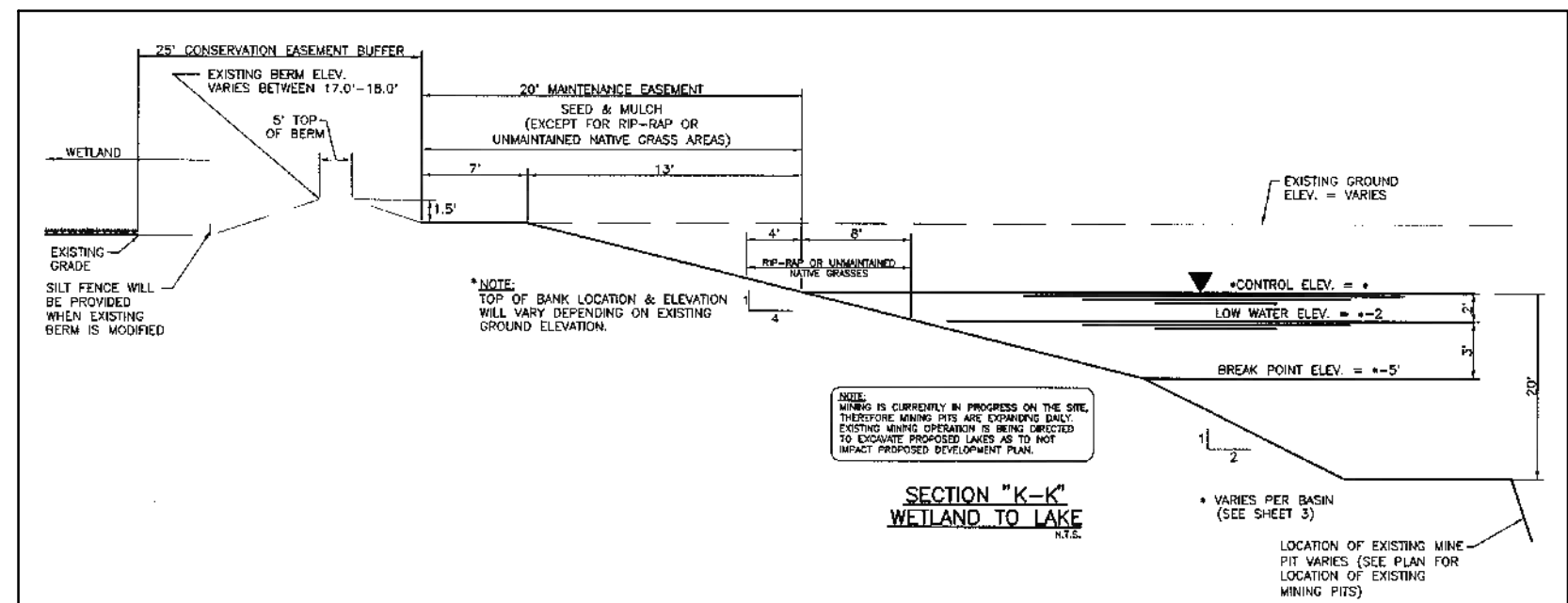
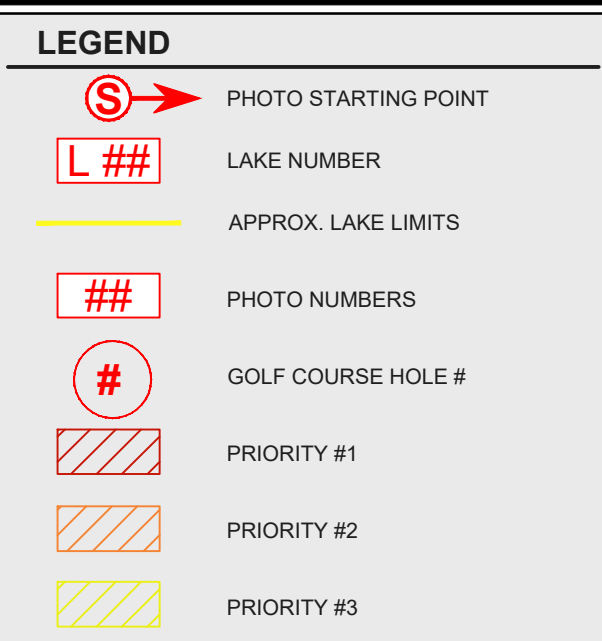
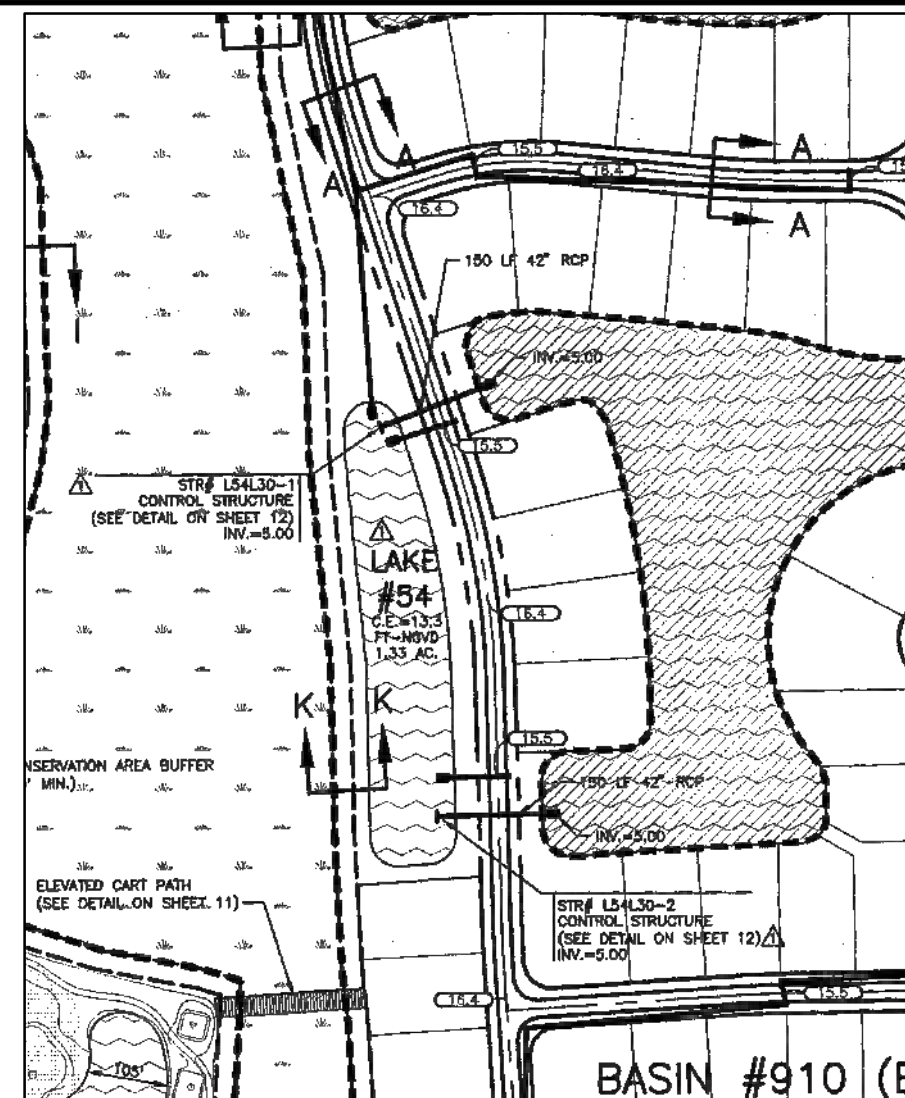
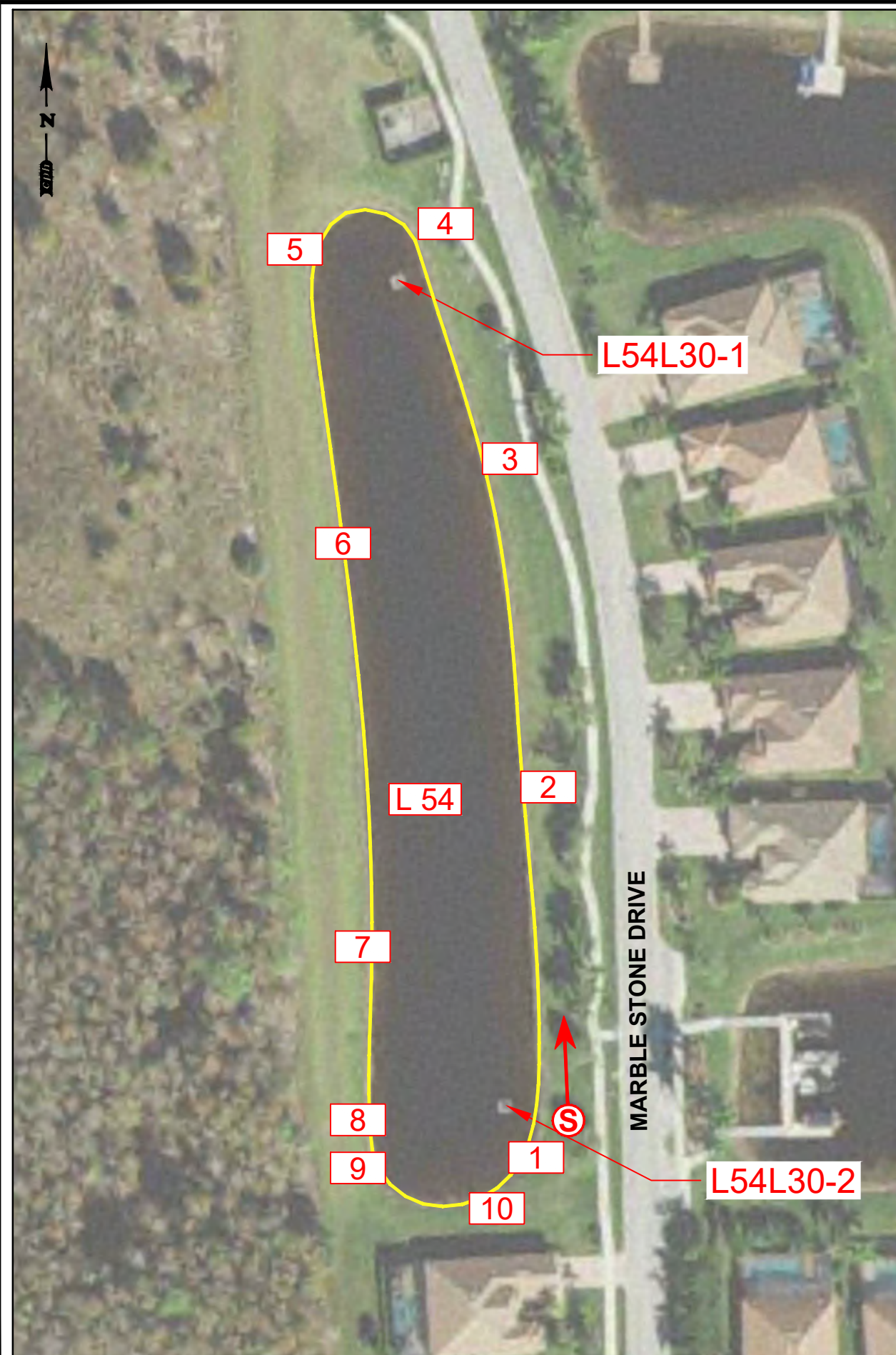
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Architect No. AA26000926
Landscape No. LC000298

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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 53**

Sheet No.
L53



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
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Landscape No. LC000298

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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
LAKE 54**

Sheet No.

L54



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
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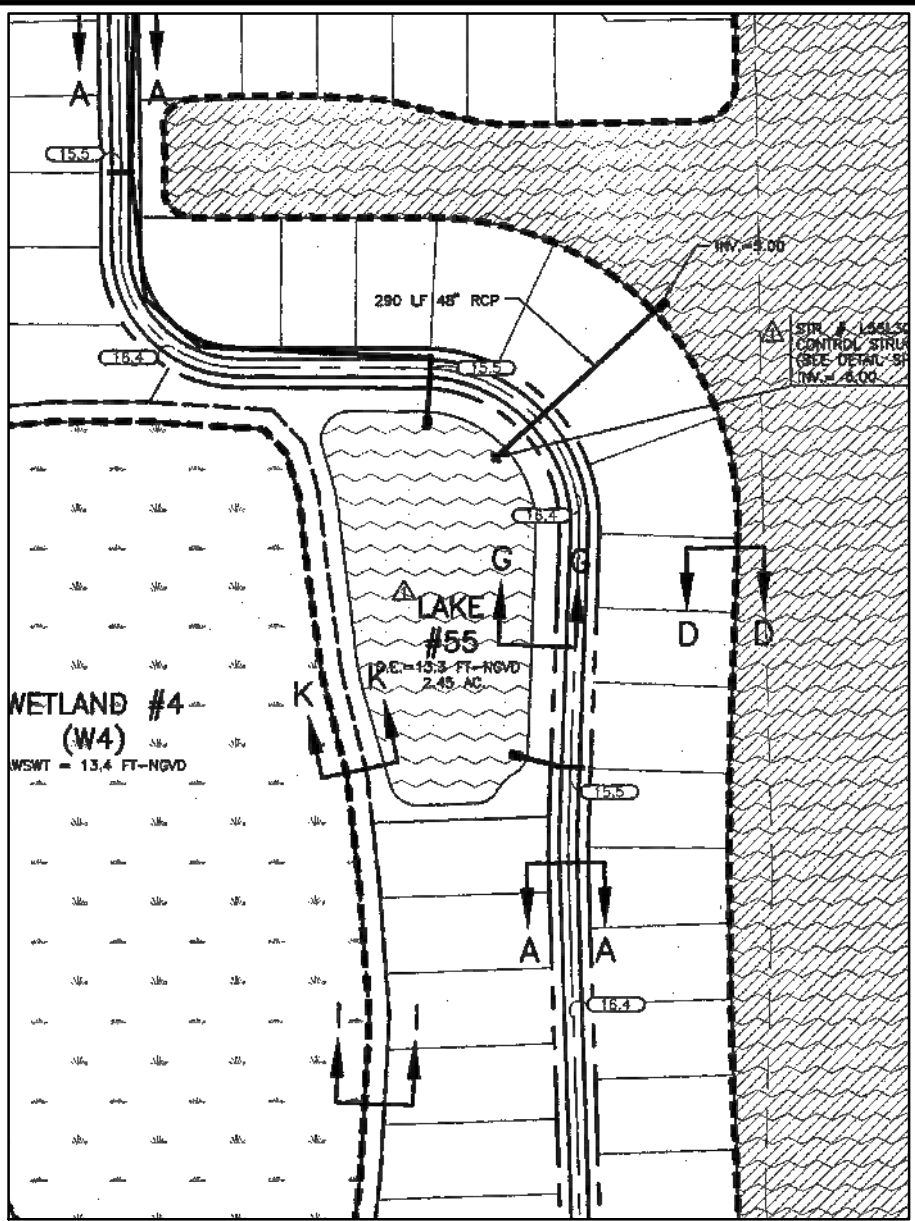
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Architect No. AA26000926
Landscape No. LC000298

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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 54**

Sheet No.
L54



LEGEND

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PHOTO STARTING POINT

L ##

LAKE NUMBER

APPROX. LAKE LIMITS

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PHOTO NUMBERS

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GOLF COURSE HOLE #

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PRIORITY #1

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PRIORITY #2

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PRIORITY #3

ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

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No.	Date	Revision	No.	Date	Revision
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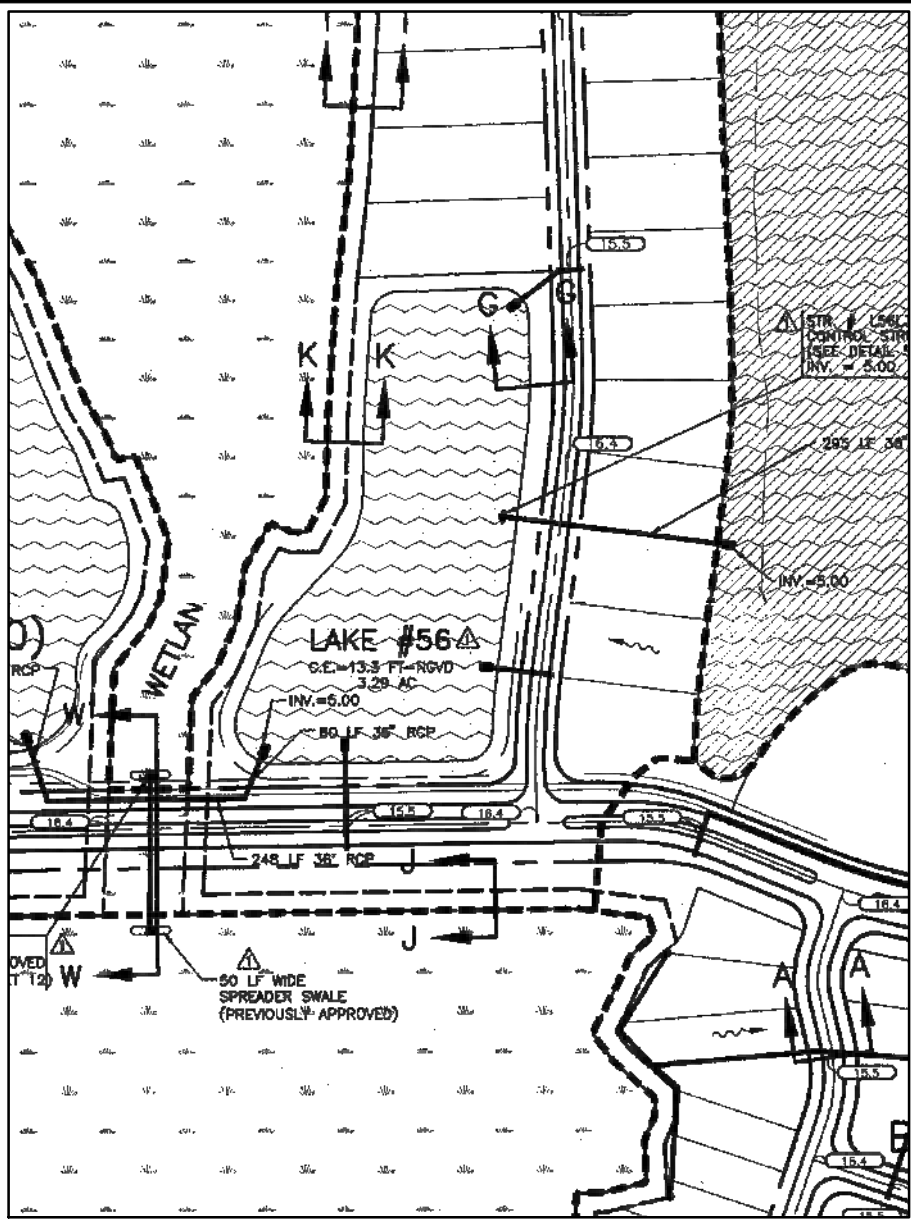
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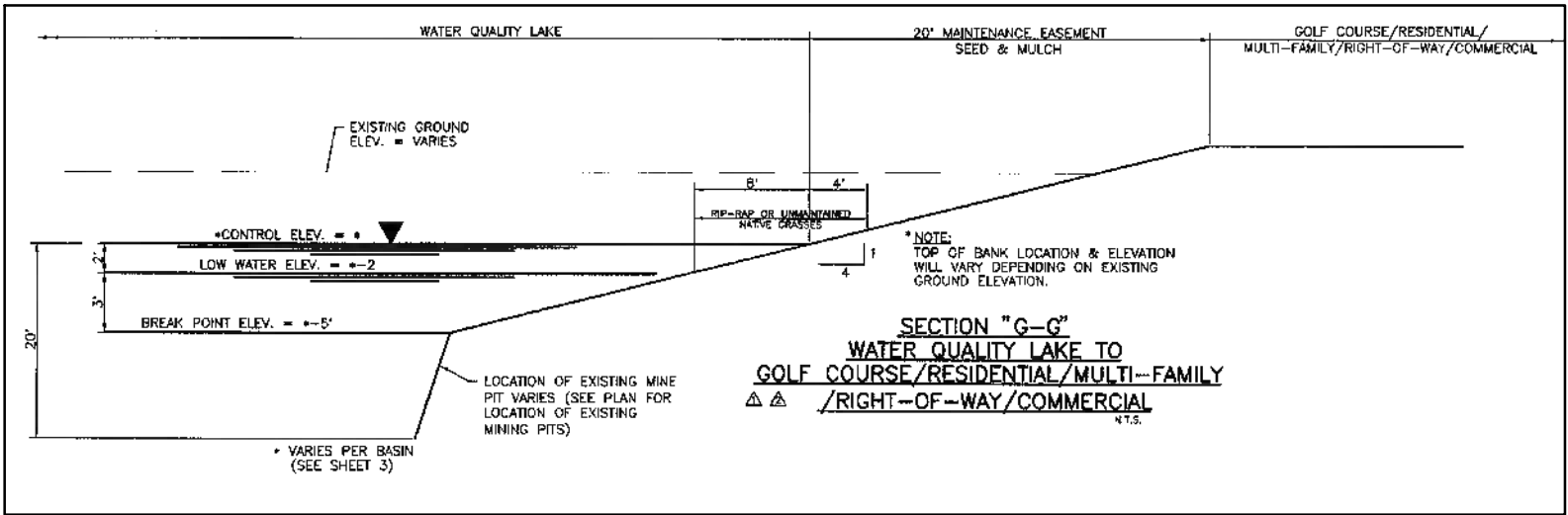
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COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 5**

Sheet No.
L55



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 56

Sheet No.
L56



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

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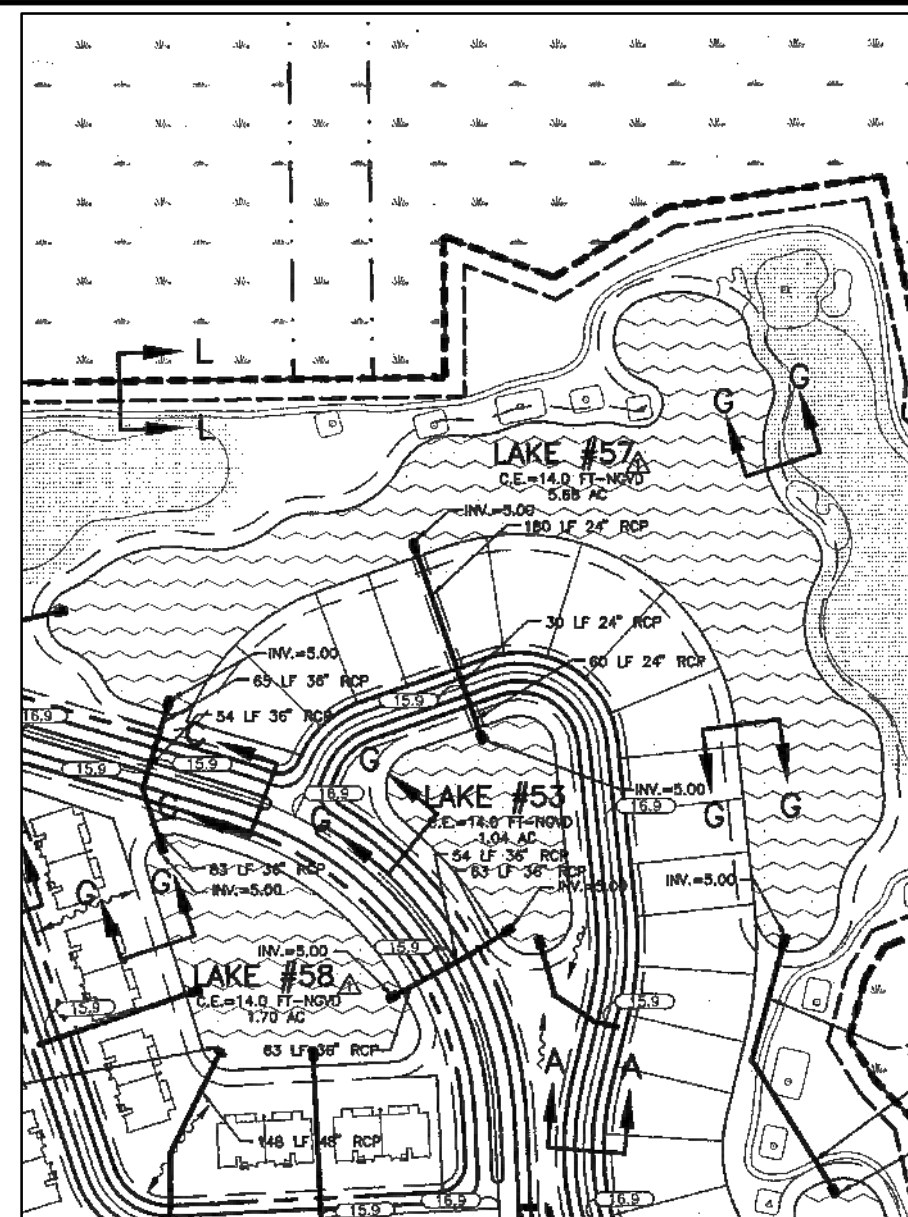
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Architect No. AA26000926
Landscape No. LC000298

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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 56

Sheet No.
L56



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PHOTO STARTING POINT

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LAKE NUMBER

APPROX. LAKE LIMITS

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PHOTO NUMBERS

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GOLF COURSE HOLE #

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PRIORITY #1

▨

PRIORITY #2

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PRIORITY #3

No.	Date	Revision	No.	Date	Revision

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DEVELOPMENT DISTRICT

COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY

LAKE 57

Sheet No.

L57

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- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

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No.	Date	Revision	No.	Date	Revision
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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 57

Sheet No.
L57



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING

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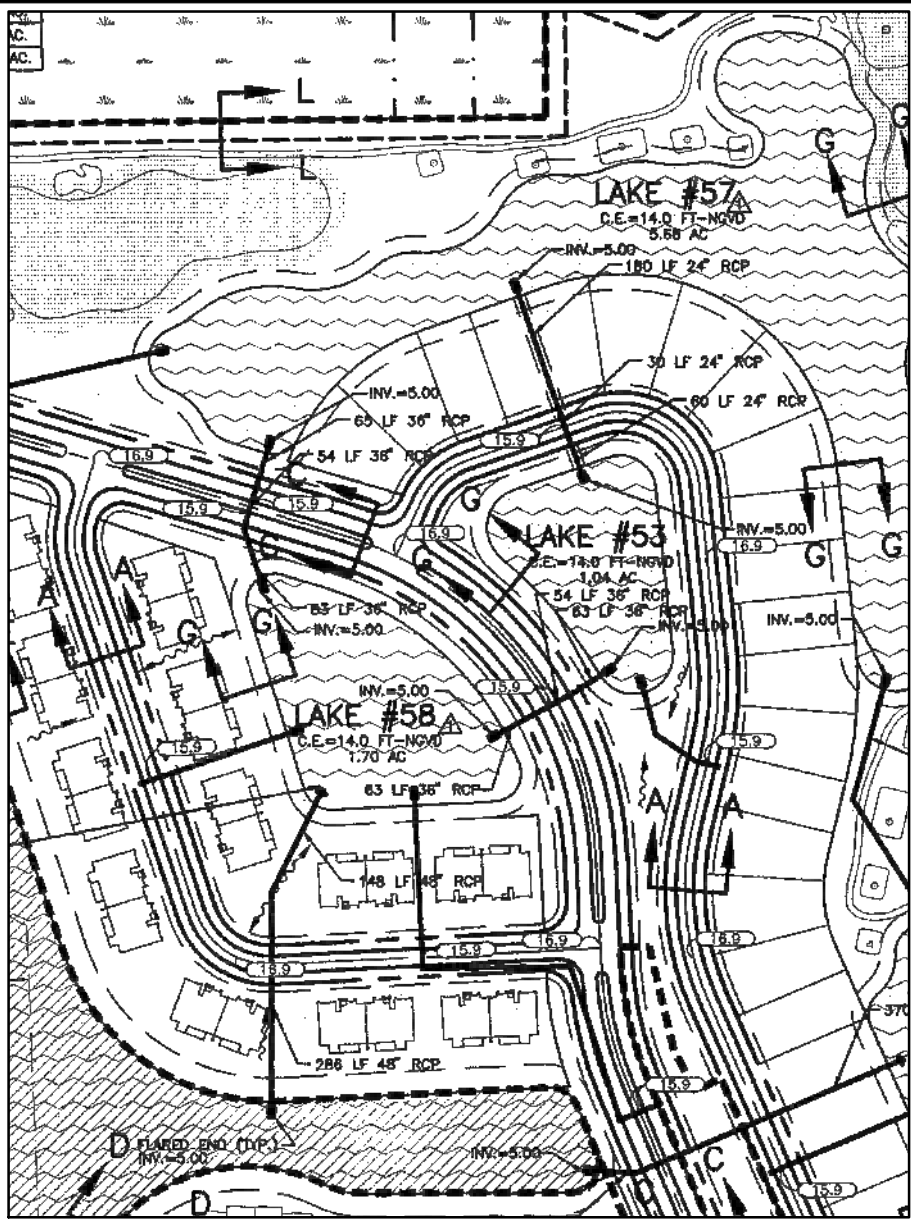
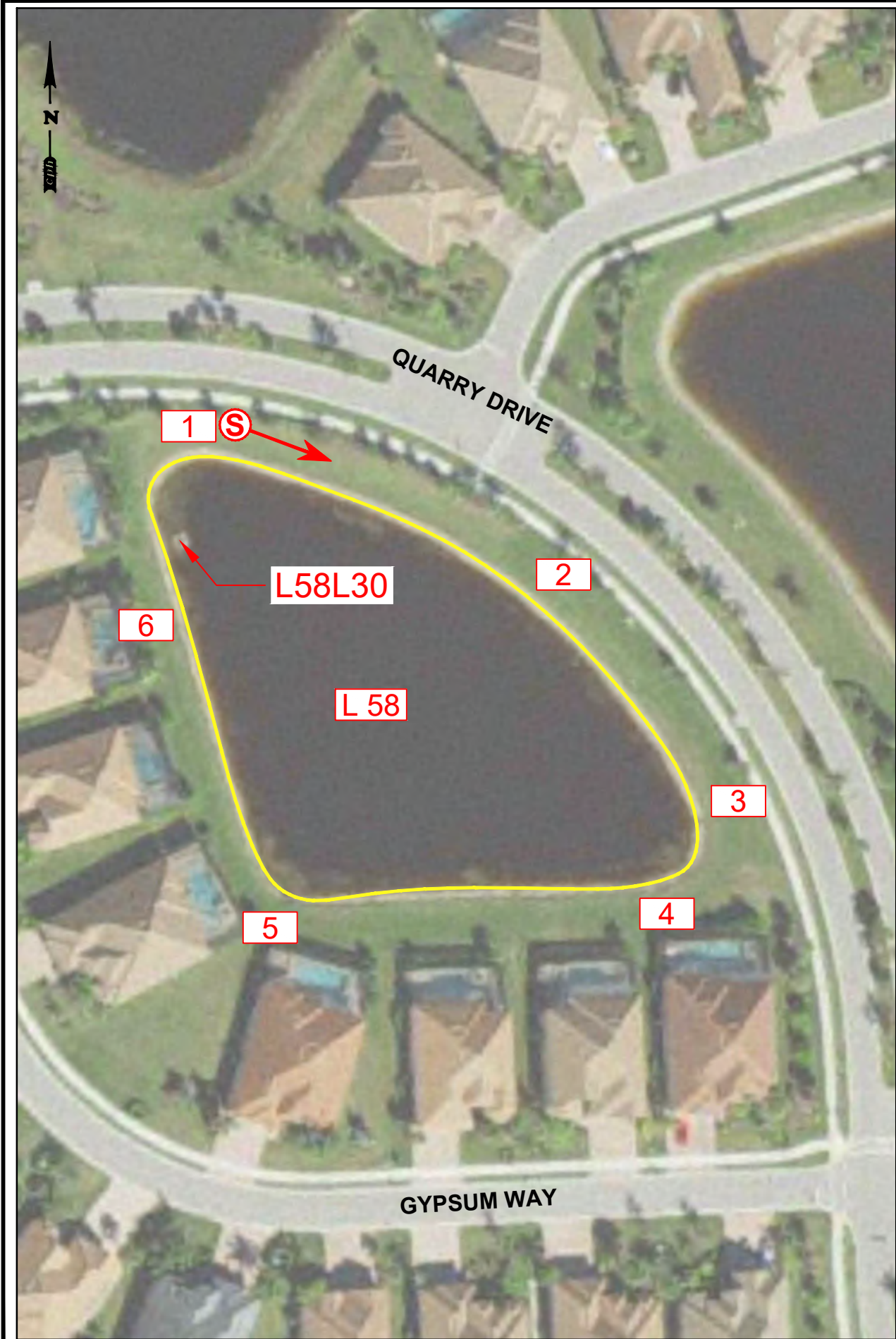
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 57**

Sheet No.
L57



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LAKE NUMBER

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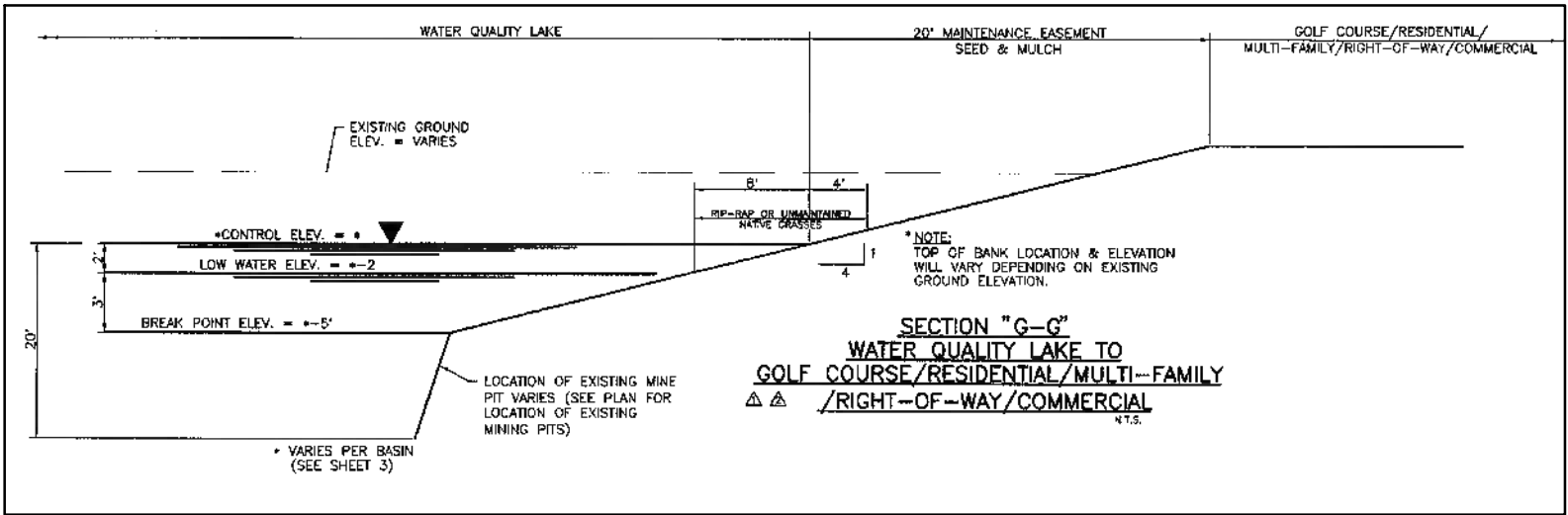
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GOLF COURSE HOLE #

PRIORITY #1

PRIORITY #2

PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 58

Sheet No.
L58



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
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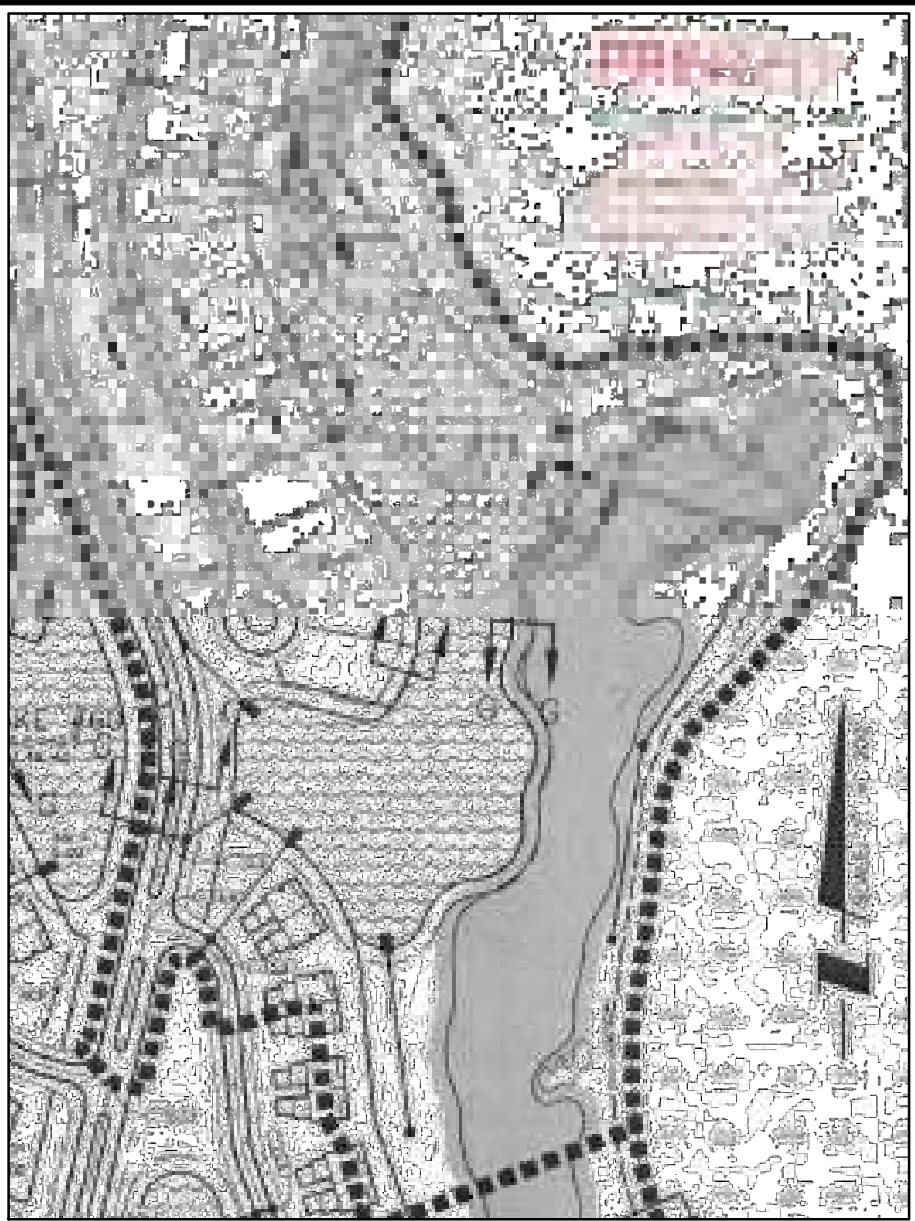
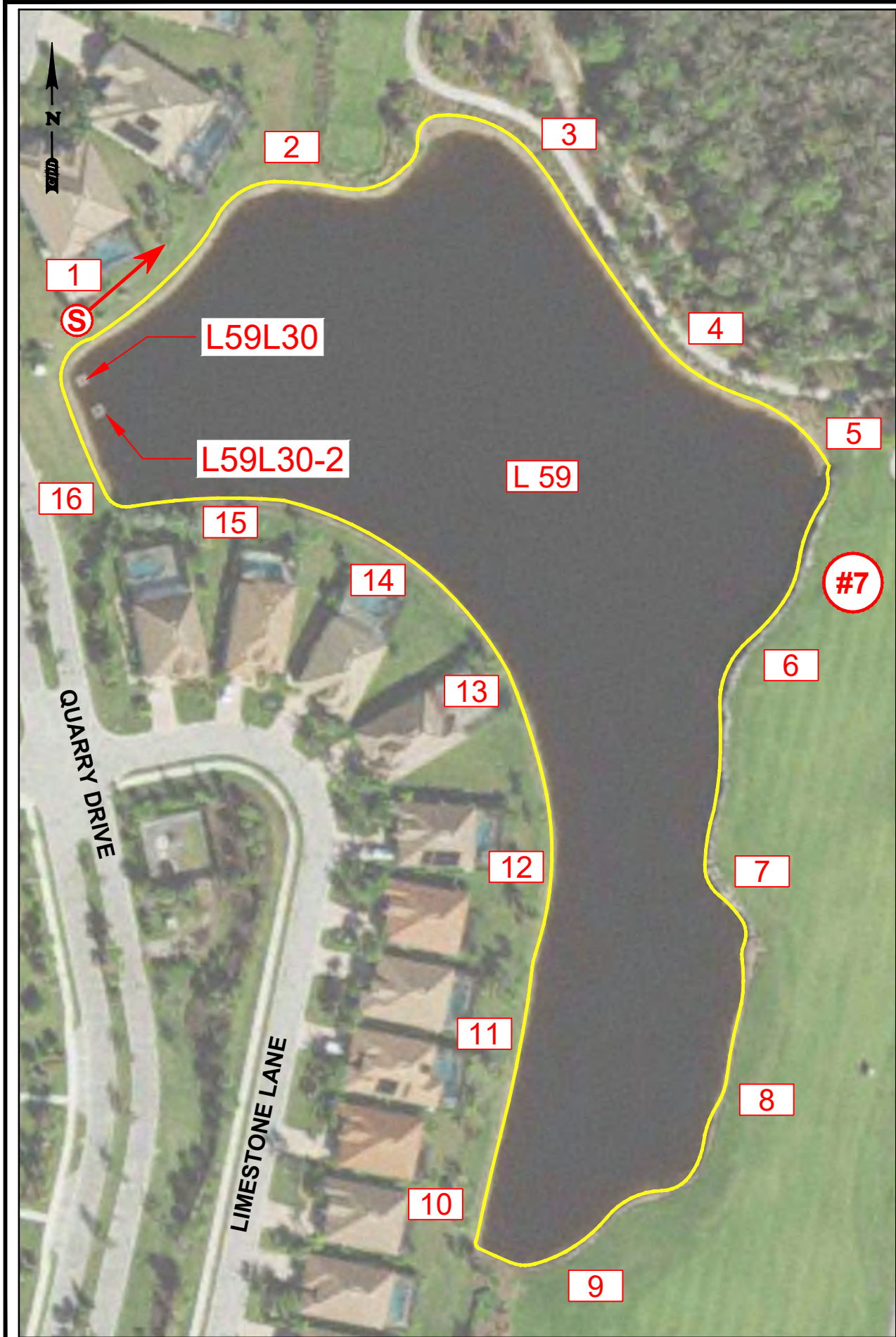
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 58**

Sheet No.
L58



LEGEND

S

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PHOTO STARTING POINT

L ##

LAKE NUMBER

APPROX. LAKE LIMITS

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PHOTO NUMBERS

#

GOLF COURSE HOLE #

PRIORITY #1

PRIORITY #2

PRIORITY #3

ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision

No.	Date	Revision

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State of Florida Licenses:

Engineer No. 3215

Surveyor No. LB7143

Architect No. AA2600926

Landscape No. LC000298

Designed by:

N/A

Drawn by:

J. ALLEN

Checked by:

A. LOPEZ

Date:

06/04/2025

Job No.

2500647

THE QUARRY COMMUNITY

DEVELOPMENT DISTRICT

COLLIER COUNTY / FLORIDA

GOLF CLUB POND

LAKE BANK CONDITION SURVEY

LAKE 59

Sheet No.

L59

J:\2500647\Civil\DWG\Report_Figures_and_Exhibits\The Quarry CDD_Lake Inspection Exhibit - Lakes 50 To 59.dwg, 8/13/2025 12:35:37 PM, John Layton,

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OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.



CONTROL STRUCTURE L59L30-1
26°17'32.75"N / 81°40'22.81"W



CONTROL STRUCTURE L59L30-2
26°17'32.435"N / 81°40'22.90"W

No.	Date	Revision	No.	Date	Revision
1			1		
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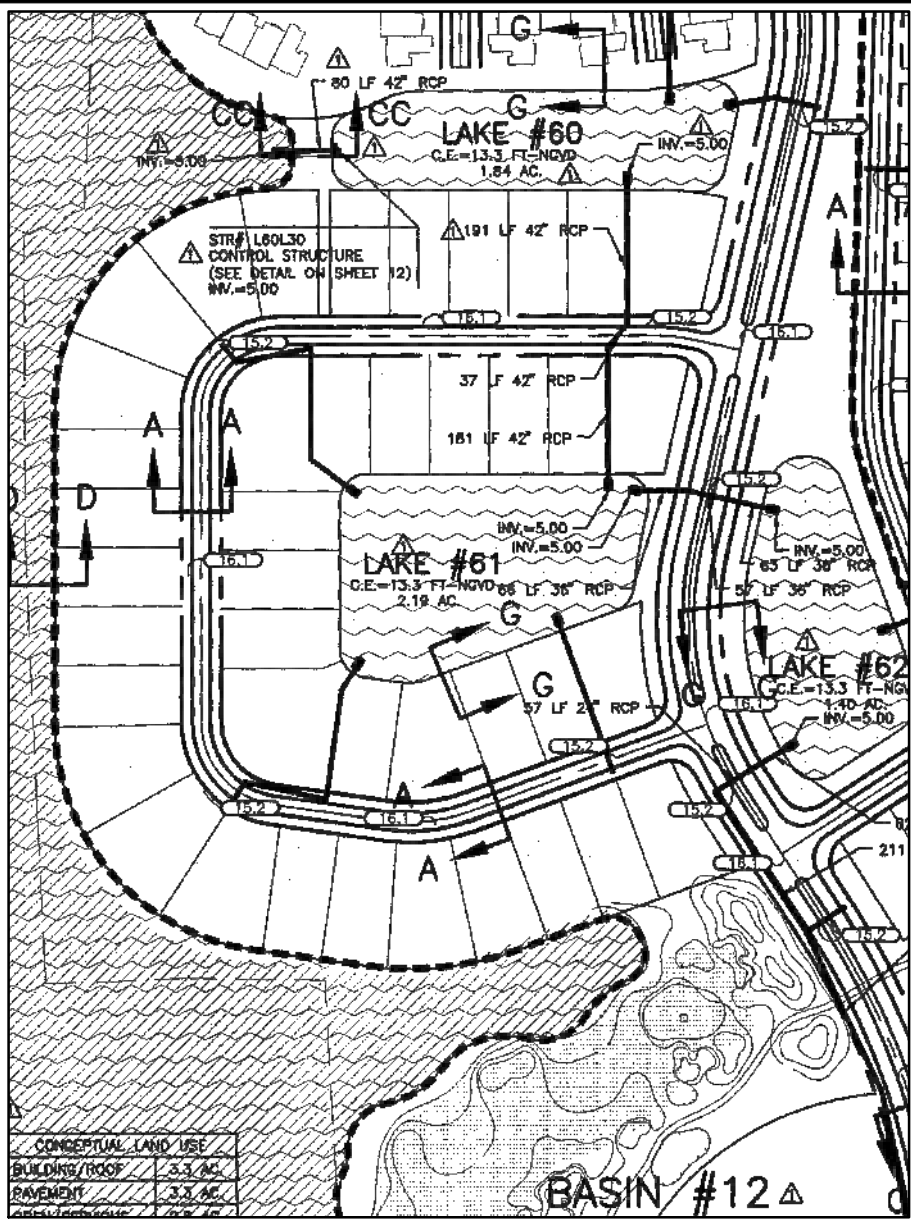
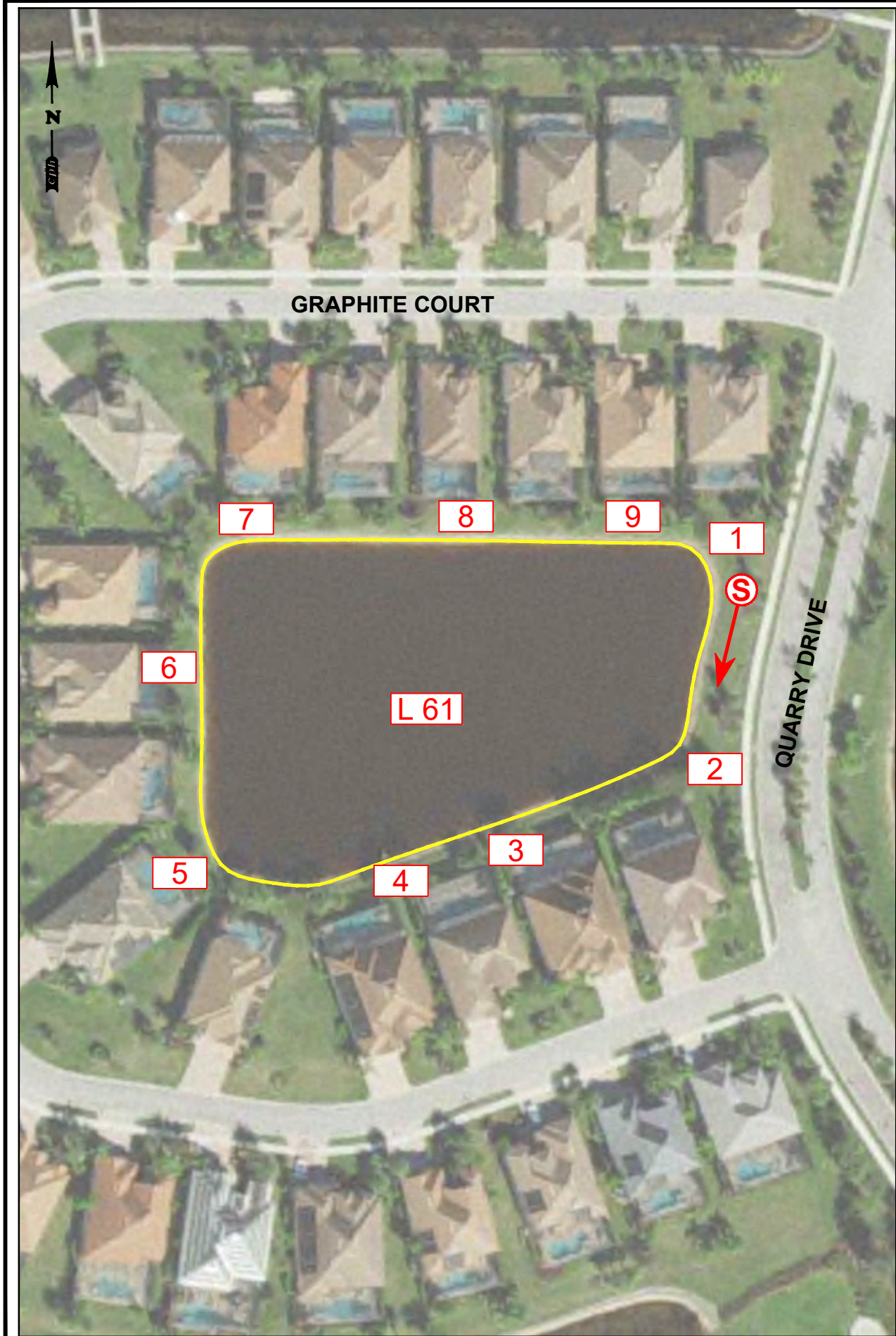
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Surveyor No. LB7143
Architect No. AA26000926
Landscape No. LC000298

Designed by: N/A
Drawn by: J. ALLEN
Checked by: A. LOPEZ
Date: 06/04/2025
Job No.: 2500647

**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**GOLF CLUB POND
LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 59**

Sheet No.
L59



LEGEND

PHOTO STARTING POINT

LAKE NUMBER

APPROX. LAKE LIMITS

PHOTO NUMBERS

GOLF COURSE HOLE #

PRIORITY #1

PRIORITY #2

PRIORITY #3

ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
1			1		
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 61

Sheet No.
L61



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
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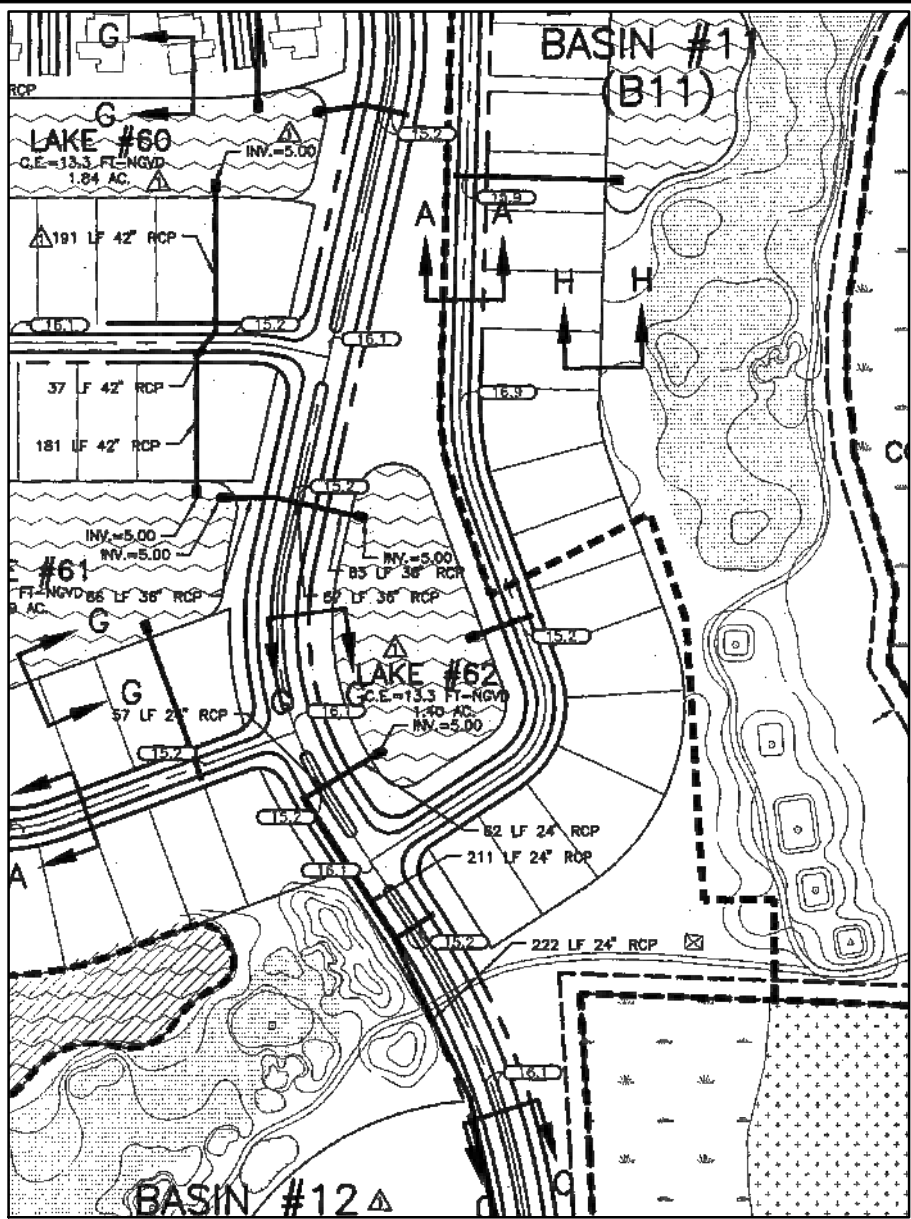
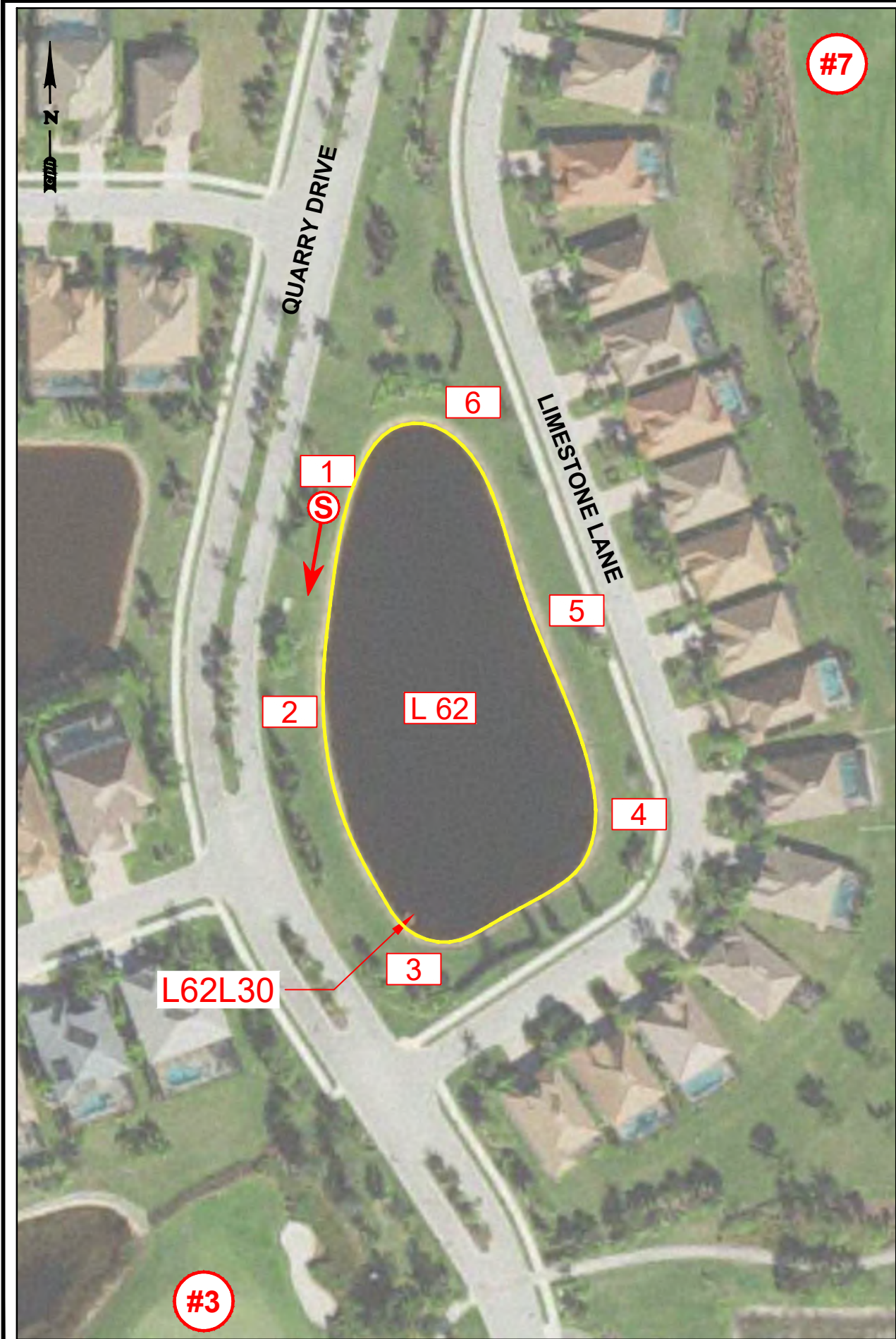
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Architect No. AA26000926
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Checked by:	A. LOPEZ
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 61**

Sheet No.
L61



LEGEND

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PHOTO STARTING POINT

LAKE NUMBER

APPROX. LAKE LIMITS

PHOTO NUMBERS

GOLF COURSE HOLE #

PRIORITY #1

PRIORITY #2

PRIORITY #3

ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
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Landscape No. LC000298

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Drawn by: J. ALLEN
Checked by: A. LOPEZ
Date: 06/04/2025
Job No.: 2500647

THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 62

Sheet No.
L62

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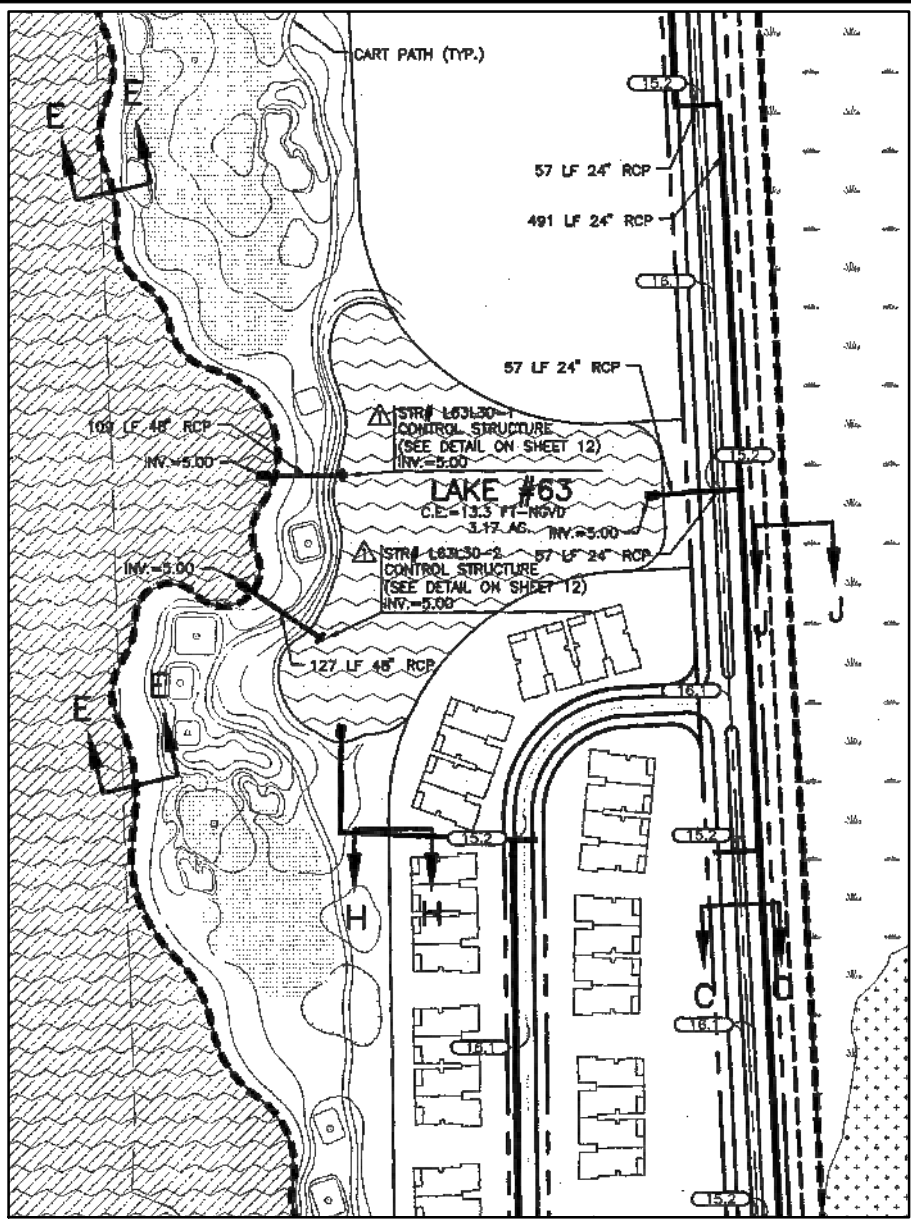
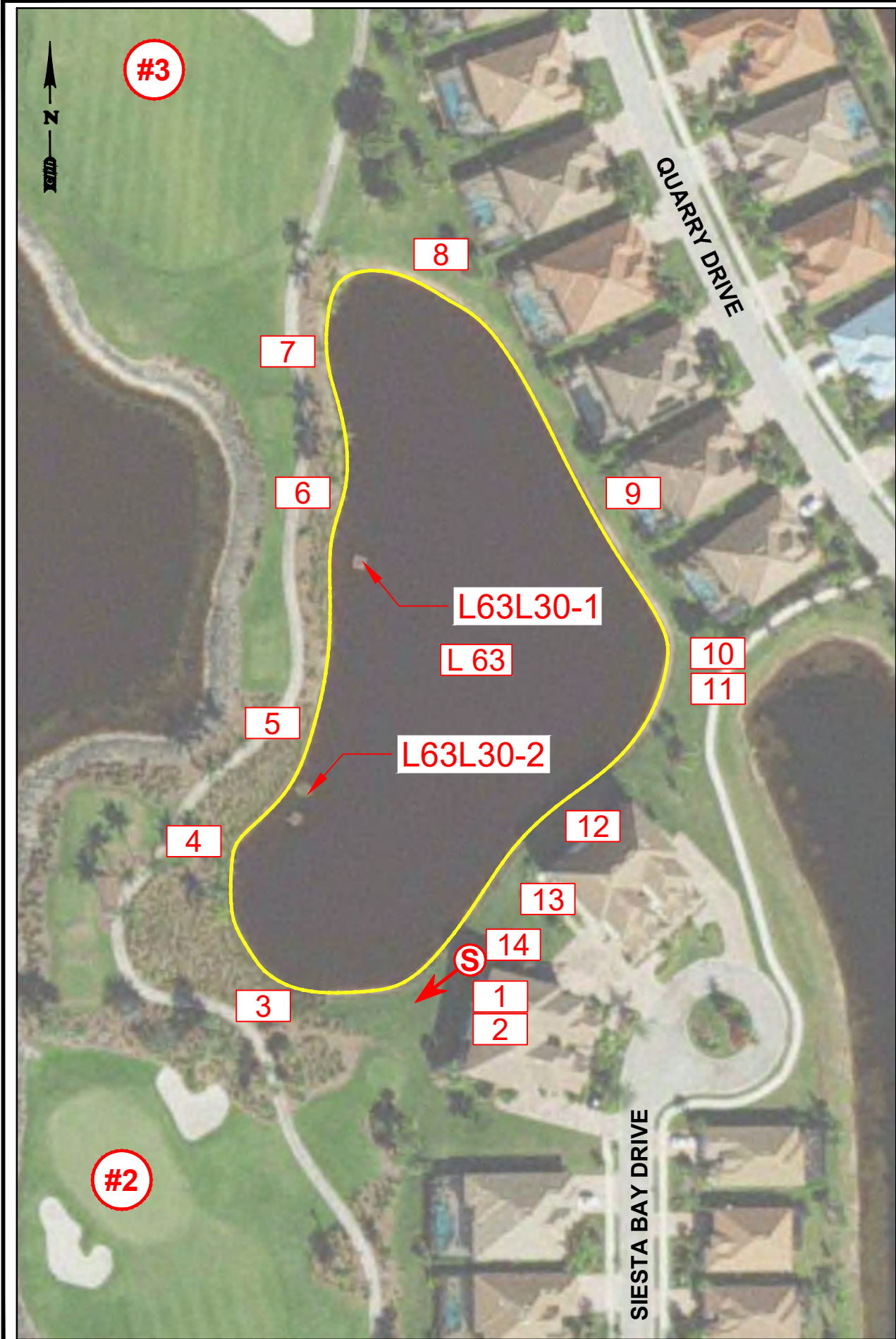
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Architect No. AA2600926
Landscape No. LC000298

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Checked by:	A. LOPEZ
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Job No.	2500647

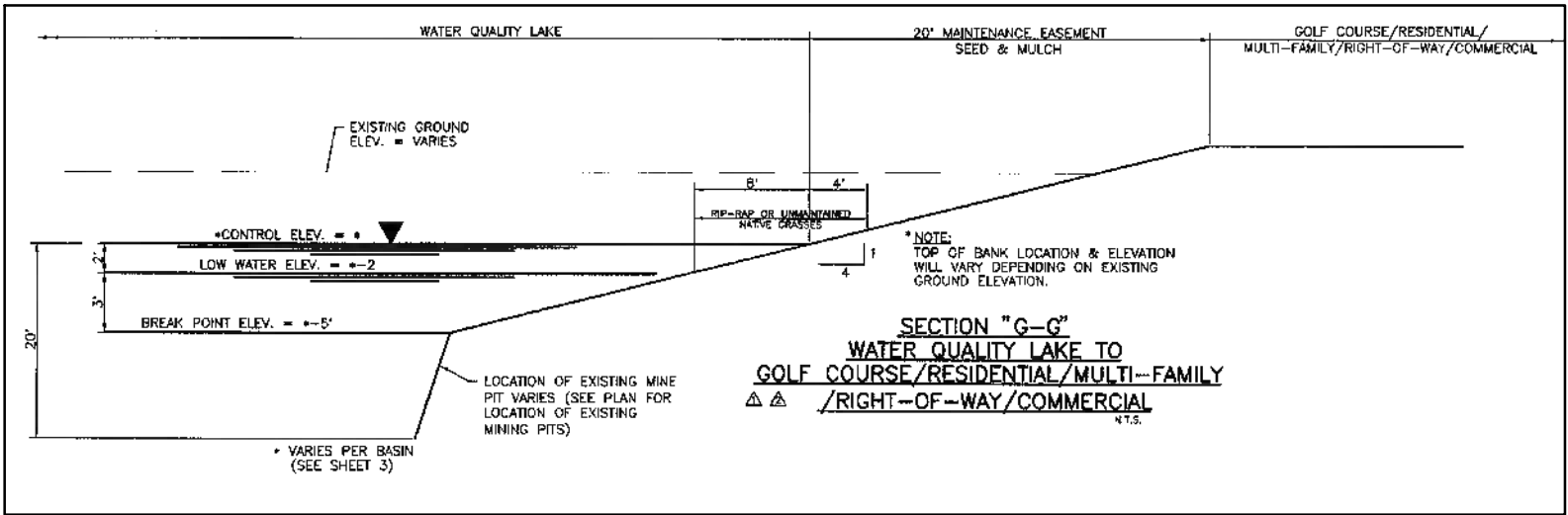
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COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 62**

Sheet No.
L62



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
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Checked by:	A. LOPEZ
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 63

Sheet No.
L63



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.



CONTROL STRUCTURE L63L30-1
26°17'02.69"N / 81°40'25.09"W



CONTROL STRUCTURE L63L30-2
26°17'01.31"N / 81°40'25.21"W

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
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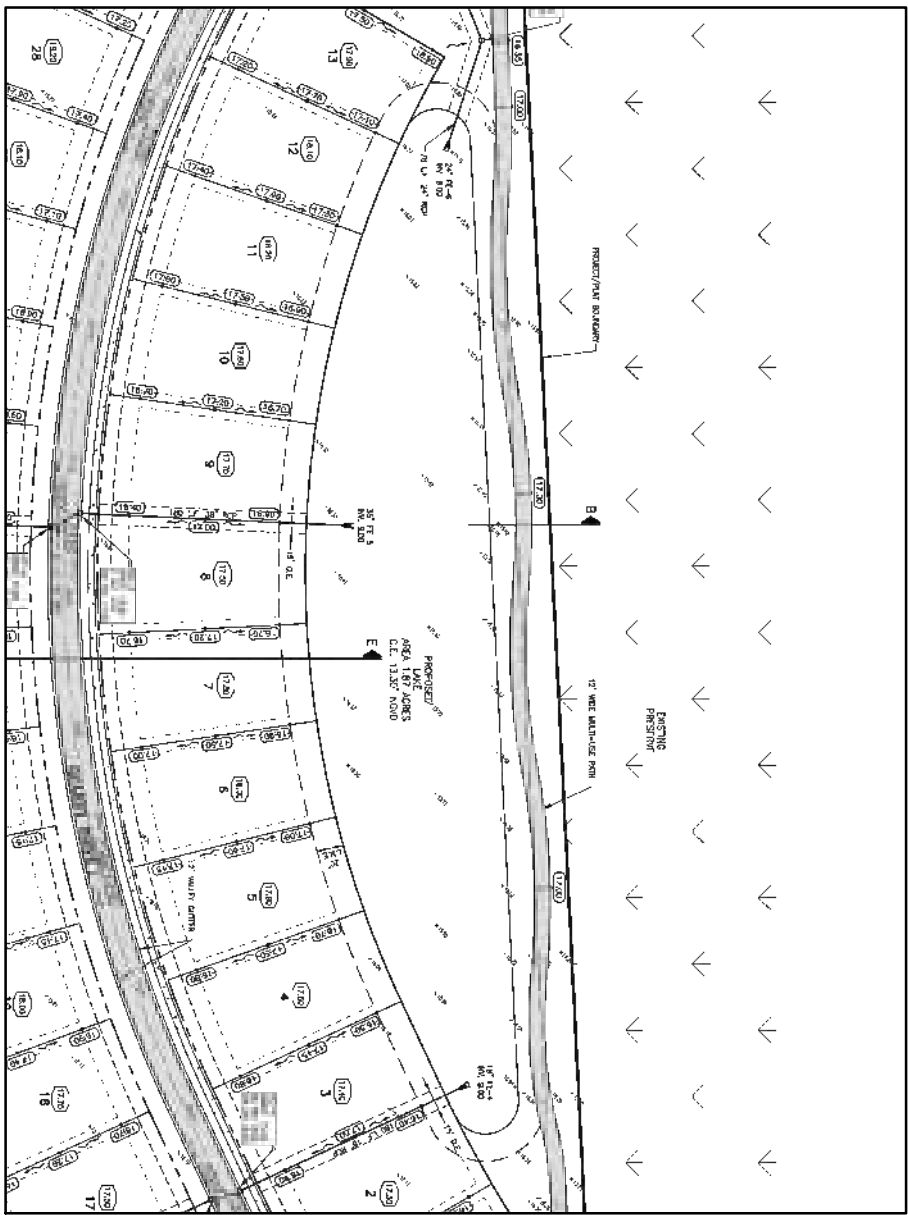
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Surveyor No. LB7143
Architect No. AA26000926
Landscape No. LC000298

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Checked by: A. LOPEZ
Date: 06/04/2025
Job No. 2500647

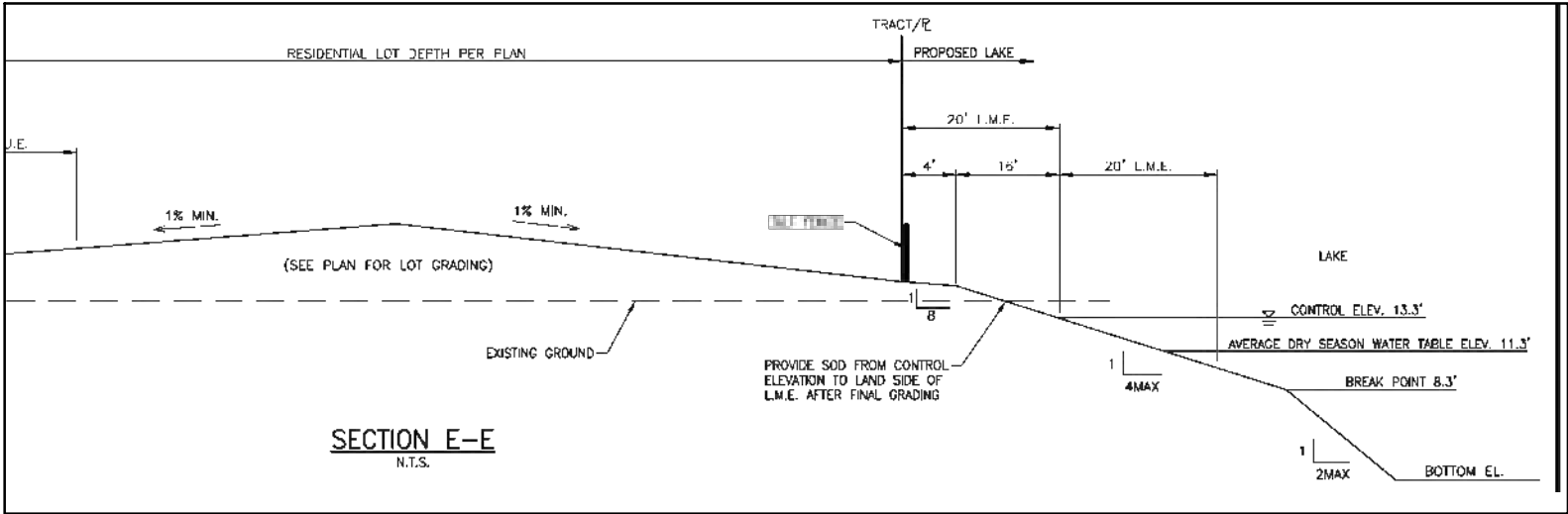
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COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 63**

Sheet No.
L63



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

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No.	Date	Revision	No.	Date	Revision
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Checked by:	A. LOPEZ
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 63A

Sheet No.

L63A



OBSERVATIONS:

- MODERATE EROSION OBSERVED (PHOTOS #5)

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

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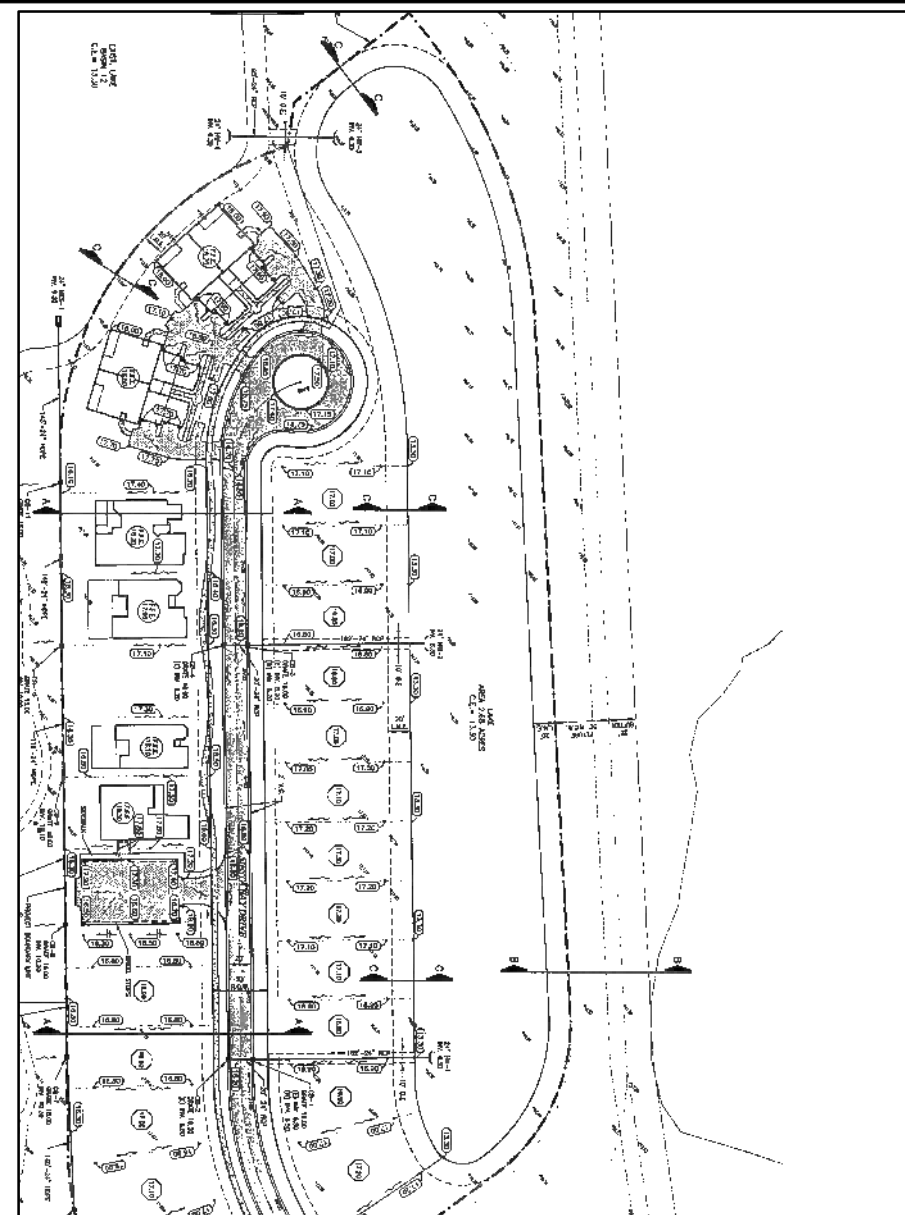
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Architect No. AA26000926
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 63A**

Sheet No.
L63A



LEGEND

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PHOTO STARTING POINT

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LAKE NUMBER

APPROX. LAKE LIMITS

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PHOTO NUMBERS

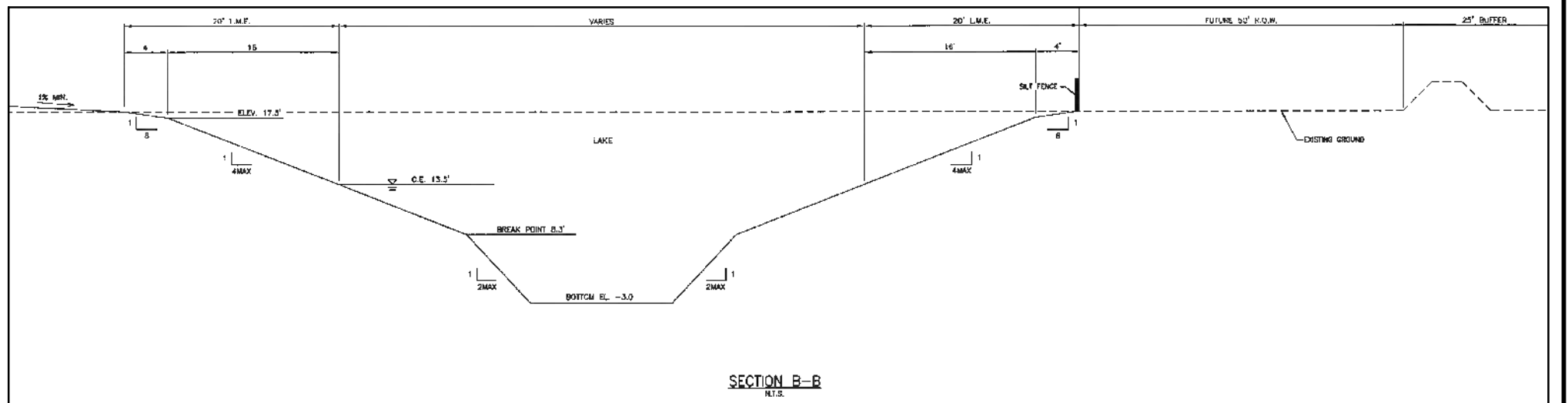
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GOLF COURSE HOLE #

PRIORITY #1

PRIORITY #2

PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

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Checked by:	A. LOPEZ
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 63B

Sheet No.
L63B



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
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Job No.	2500647

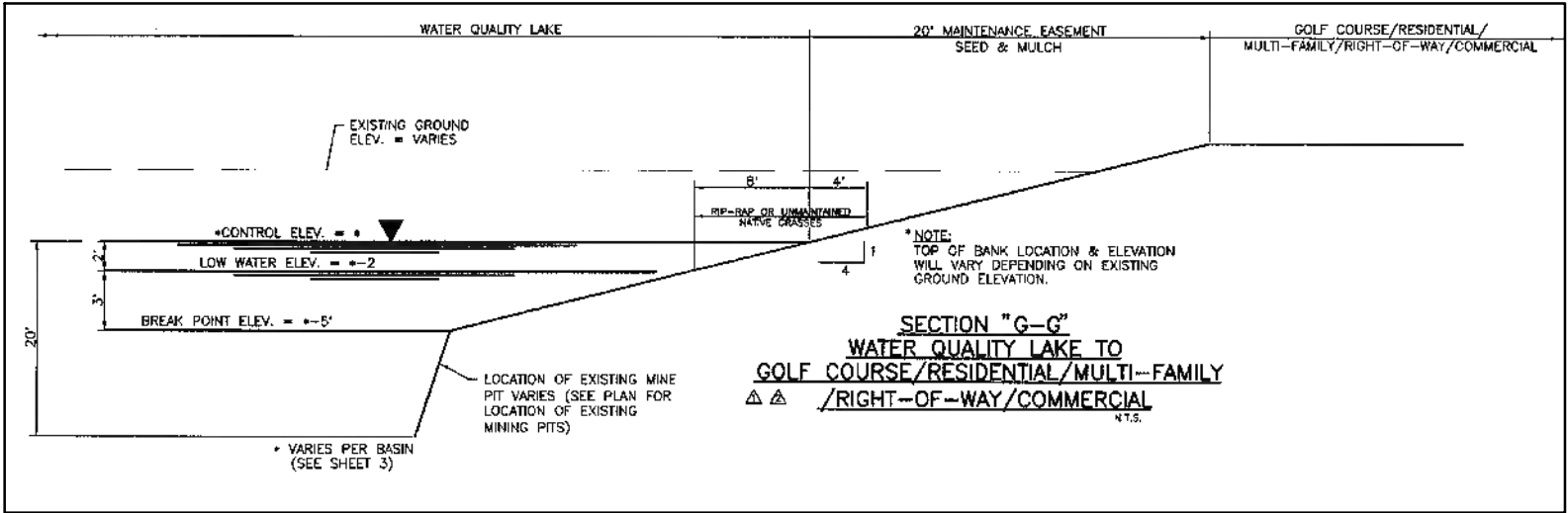
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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 63B**

Sheet No.
L63B



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
1			1		
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

GOLF CLUB POND
LAKE BANK CONDITION SURVEY
LAKE 64

Sheet No.
L64



CONTROL STRUCTURE L64W2
26°17'16.11"N / 81°40'03.60"W

OBSERVATIONS:

- NO EROSION OBSERVED.
- CONTROL STRUCTURE RE-GROUT REQUIRED.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
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Job No.: 2500647

THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

GOLF CLUB POND
LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 64

Sheet No.
L64



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
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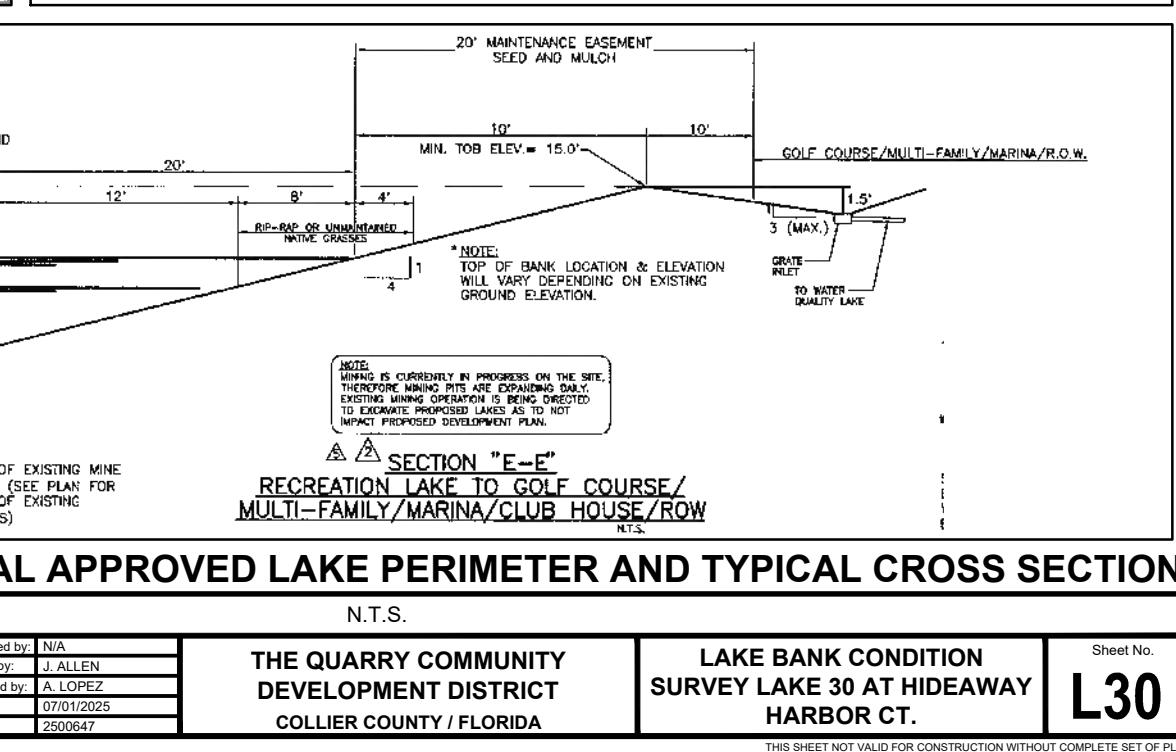
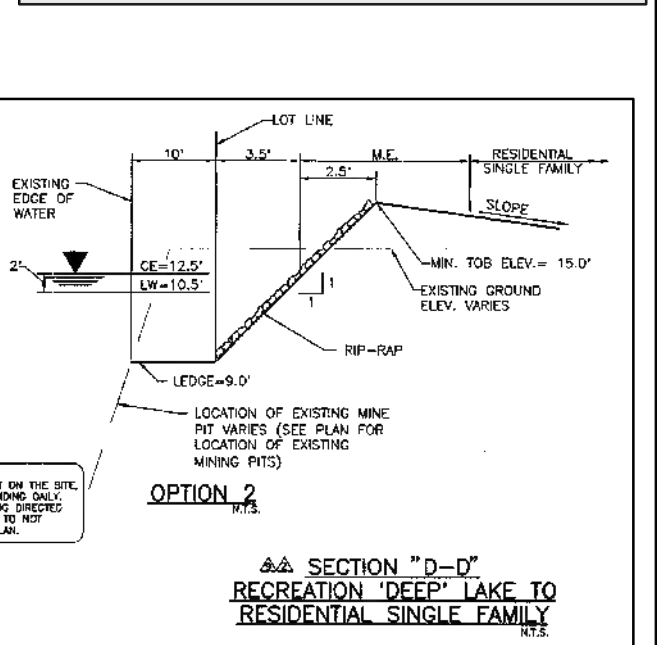
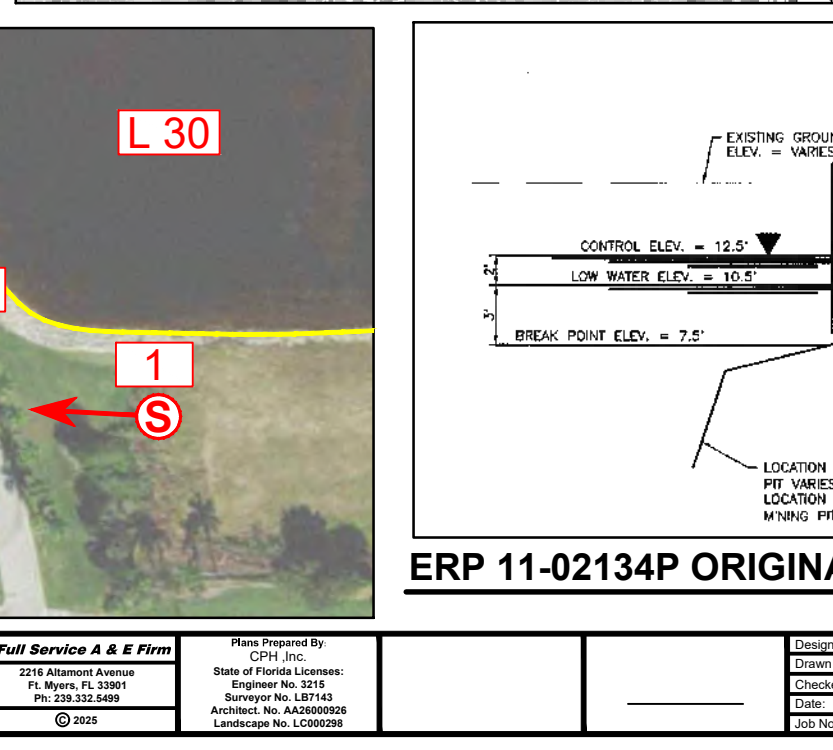
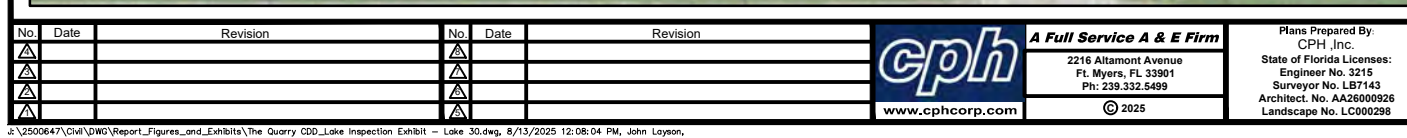
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Date: 07/01/2025
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT
COASTLINE CT.**

Sheet No.
L30



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DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

Sheet No.

L30



OBSERVATIONS:

- *MODERATE EROSION ADJACENT TO RESIDENTIAL PROPERTIES (PHOTOS #11-12).

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEWFILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGNSPECIFICATIONS
- INSTALL 6"-8" RIPRAP LAYER AND KEY-WAY (6"-8") TOPROTECT LAKE BANK.

ALTERNATE RECOMMENDATIONS

- INTRODUCE THE USE OF LITTORAL PLANTING.



No.	Date	Revision	No.	Date	Revision
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Checked by: A. LOPEZ
Date: 07/01/2025
Job No.: 2500647

**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT HIDEAWAY
HARBOR CT.**

Sheet No.
L30



No.	Date	Revision	No.	Date	Revision
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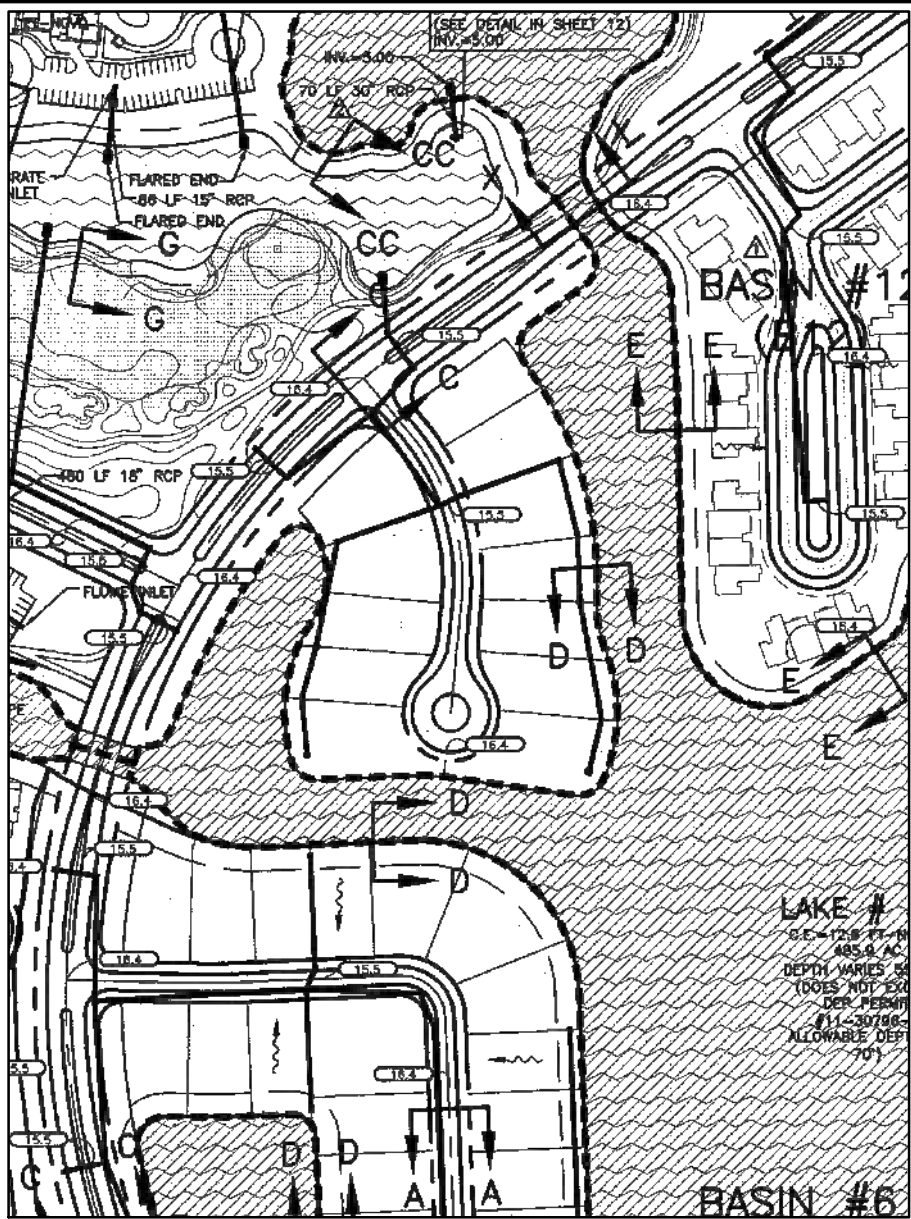
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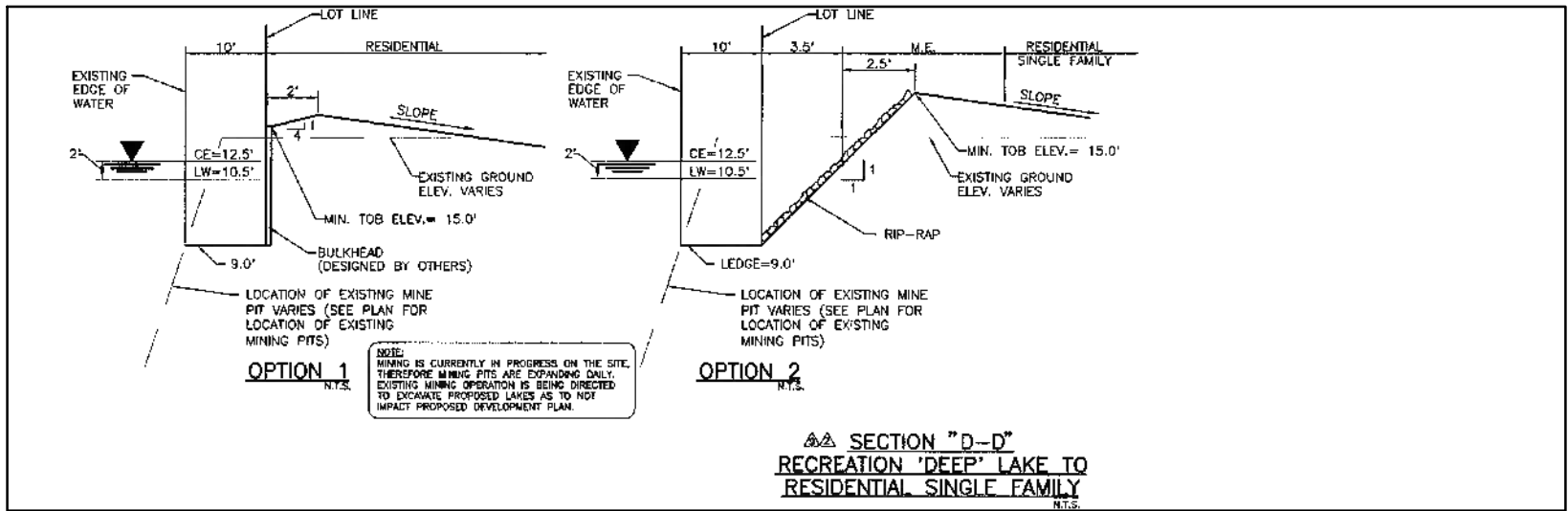
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COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT HIDEAWAY
HARBOR CT.

Sheet No.
L30



LEGEND	
	PHOTO STARTING POINT
	LAKE NUMBER
	APPROX. LAKE LIMITS
	PHOTO NUMBERS
	GOLF COURSE HOLE #
	PRIORITY #1
	PRIORITY #2
	PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
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15			15		
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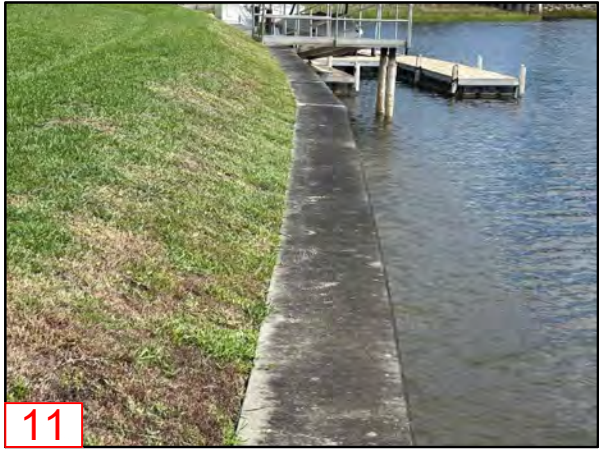
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Date: 07/01/2025
Job No.: 2500647

THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 30 AT SPINNER COVE LN.

Sheet No.
L30



OBSERVATIONS:

- NO STRESS CRACKS OR DEFICIENCIES OBSERVED.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
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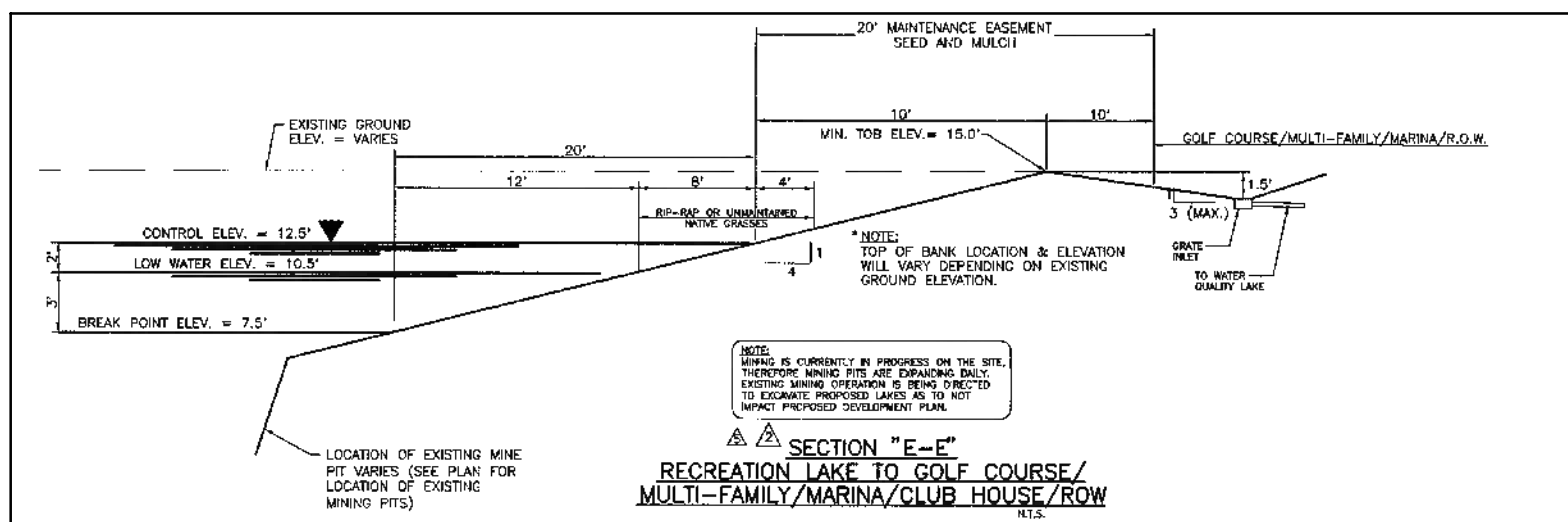
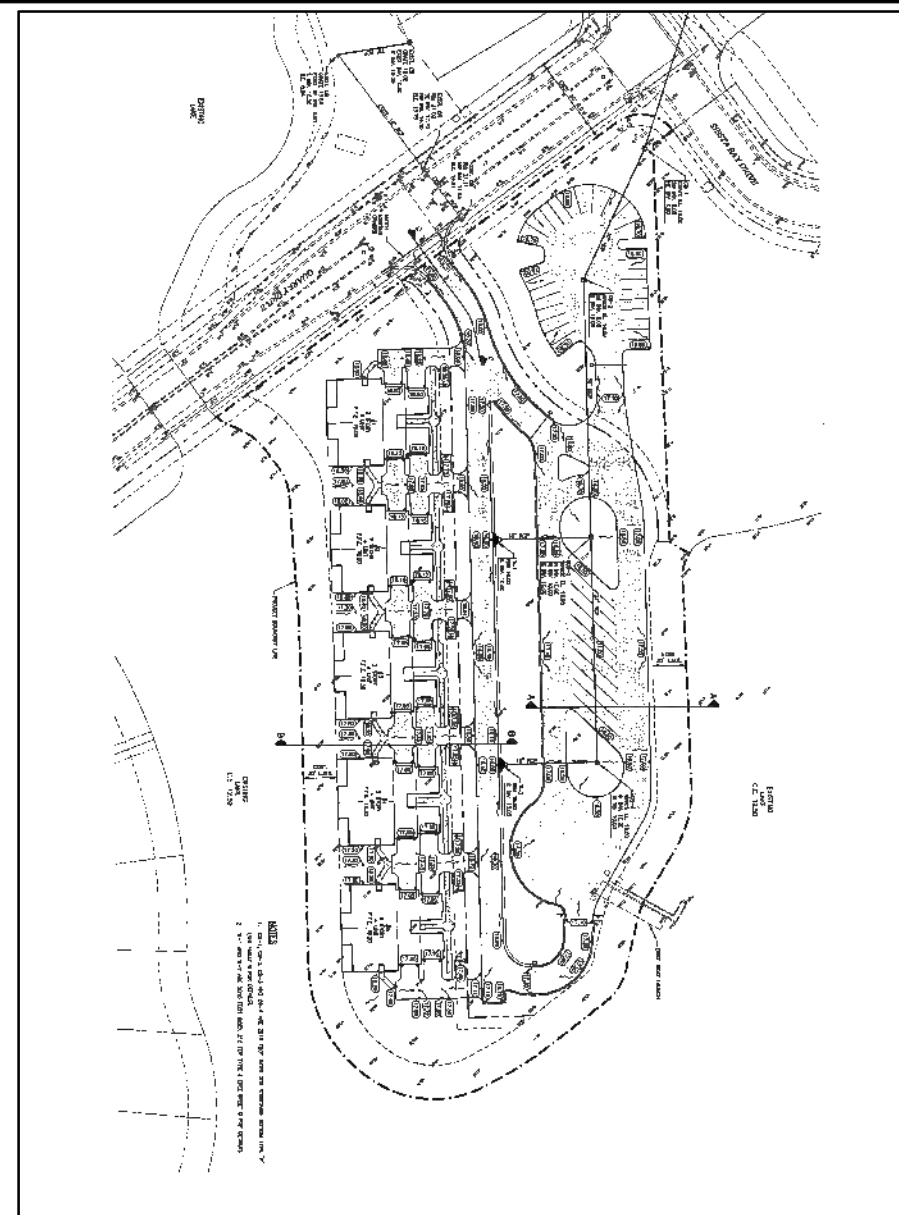
Plans Prepared By:
CPH, Inc.
State of Florida Licenses:
Engineer No. 3215
Surveyor No. LB7143
Architect No. AA26000926
Landscape No. LC000298

Designed by: N/A
Drawn by: J. ALLEN
Checked by: A. LOPEZ
Date: 07/01/2025
Job No.: 2500647

**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT SPINNER
COVE LN.**

Sheet No.
L30



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
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Checked by:	A. LOPEZ
Date:	07/01/2025
Job No.	2500647

**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
LAKE 30 AT NAUTICAL LANDING
CIRCLE**

Sheet No. _____

L30



OBSERVATIONS:

- *MODERATE EROSION ADJACENT TO RESIDENTIAL PROPERTIES (PHOTO #1, #2, #3).

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS.
- INSTALL 6"-8" RIPRAP LAYER AND KEY-WAY (6"-8") TO PROTECT LAKE BANK.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
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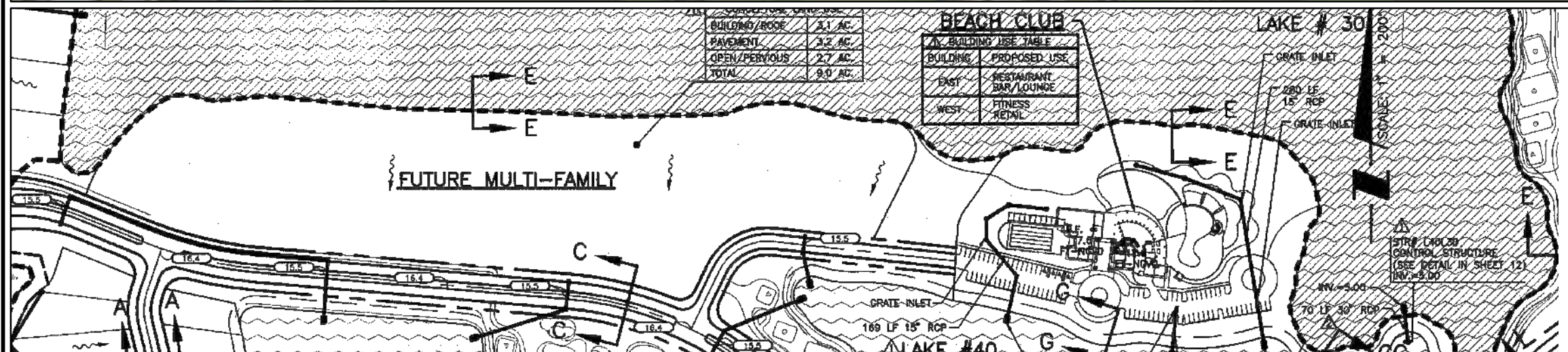
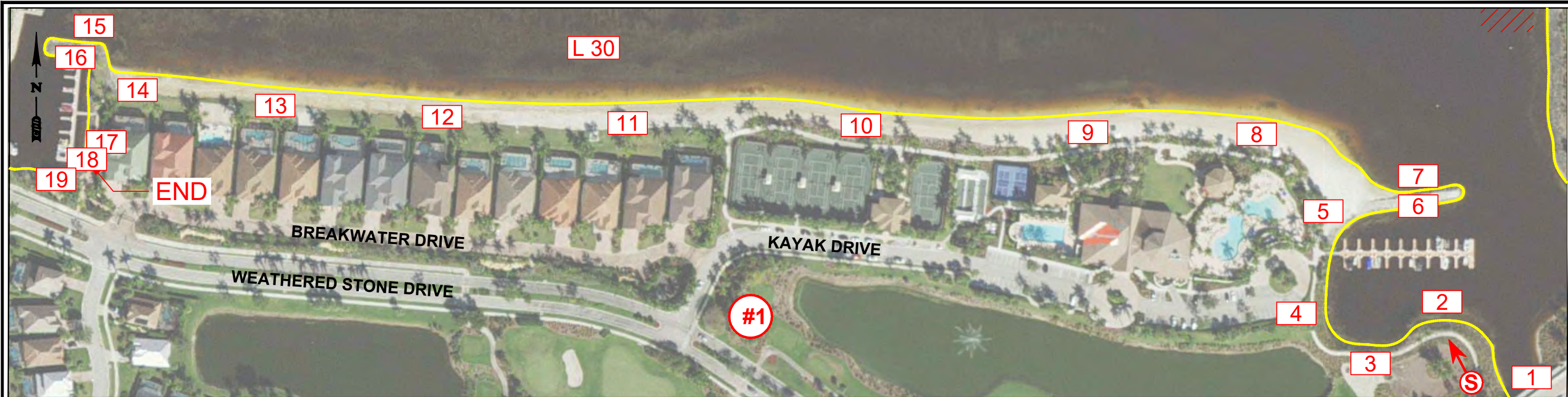
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Architect No. AA26000926
Landscape No. LC000298

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Checked by:	A. LOPEZ
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

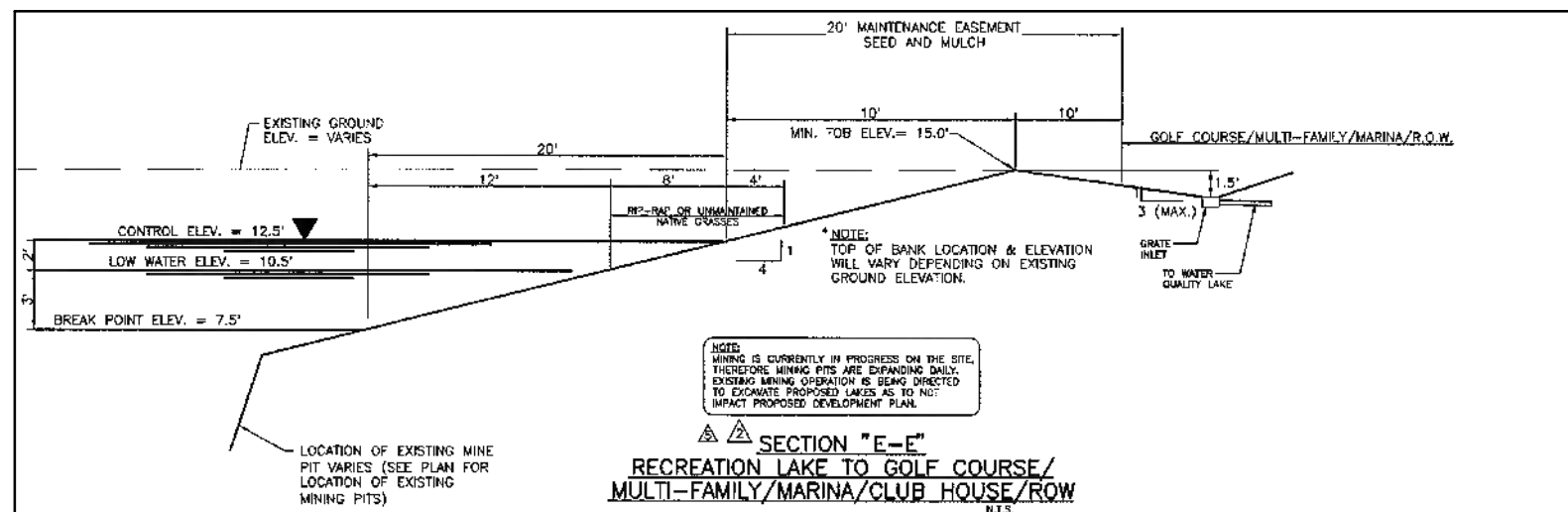
**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT NAUTICAL
LANDING CIRCLE**

Sheet No.
L30



LEGEND

- PHOTO STARTING POINT
- LAKE NUMBER
- APPROX. LAKE LIMITS
- PHOTO NUMBERS
- GOLF COURSE HOLE #
- PRIORITY #1
- PRIORITY #2
- PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER AND TYPICAL CROSS SECTION

N.T.S.



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.



No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
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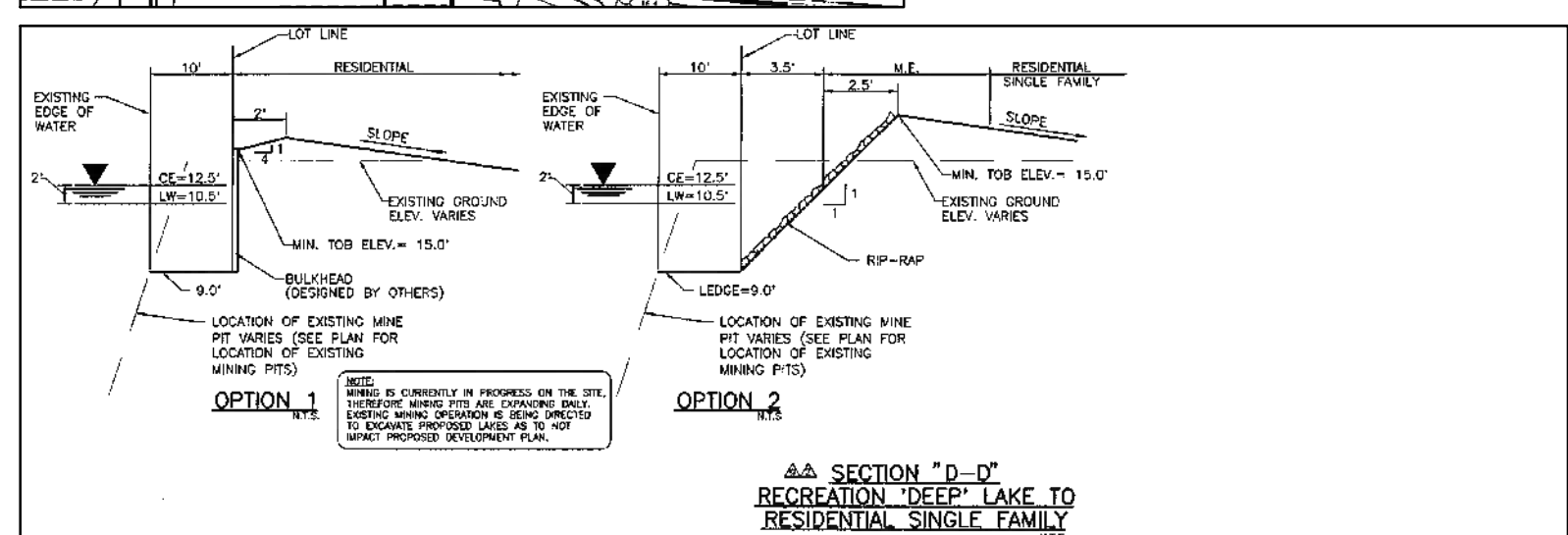
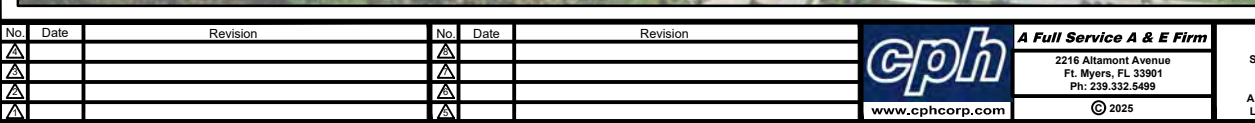
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Surveyor No. LB7143
Architect No. AA2600926
Landscape No. LC000298

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Drawn by: J. ALLEN
Checked by: A. LOPEZ
Date: 07/01/2025
Job No.: 2500647

**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT BEACH
CLUB**

Sheet No.
L30



N.T.S.

Designed by:	N/A
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Checked by:	A. LOPEZ
Date:	07/01/2025
Job No.	2500647

**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
LAKE 30 AT MARBLE STONE DR.**

Sheet No.

L30



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT MARBLE
STONE DR.**

Sheet No.
L30



OBSERVATIONS:

- MODERATE EROSION ADJACENT TO RESIDENTIAL(PHOTO #14). APPROXIMATELY 52 LF.

RECOMMENDATIONS:

- PROVIDE PERIODIC MONITORING.

ALTERNATE RECOMMENDATIONS

- INTRODUCE THE USE OF LITTORAL PLANTING.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
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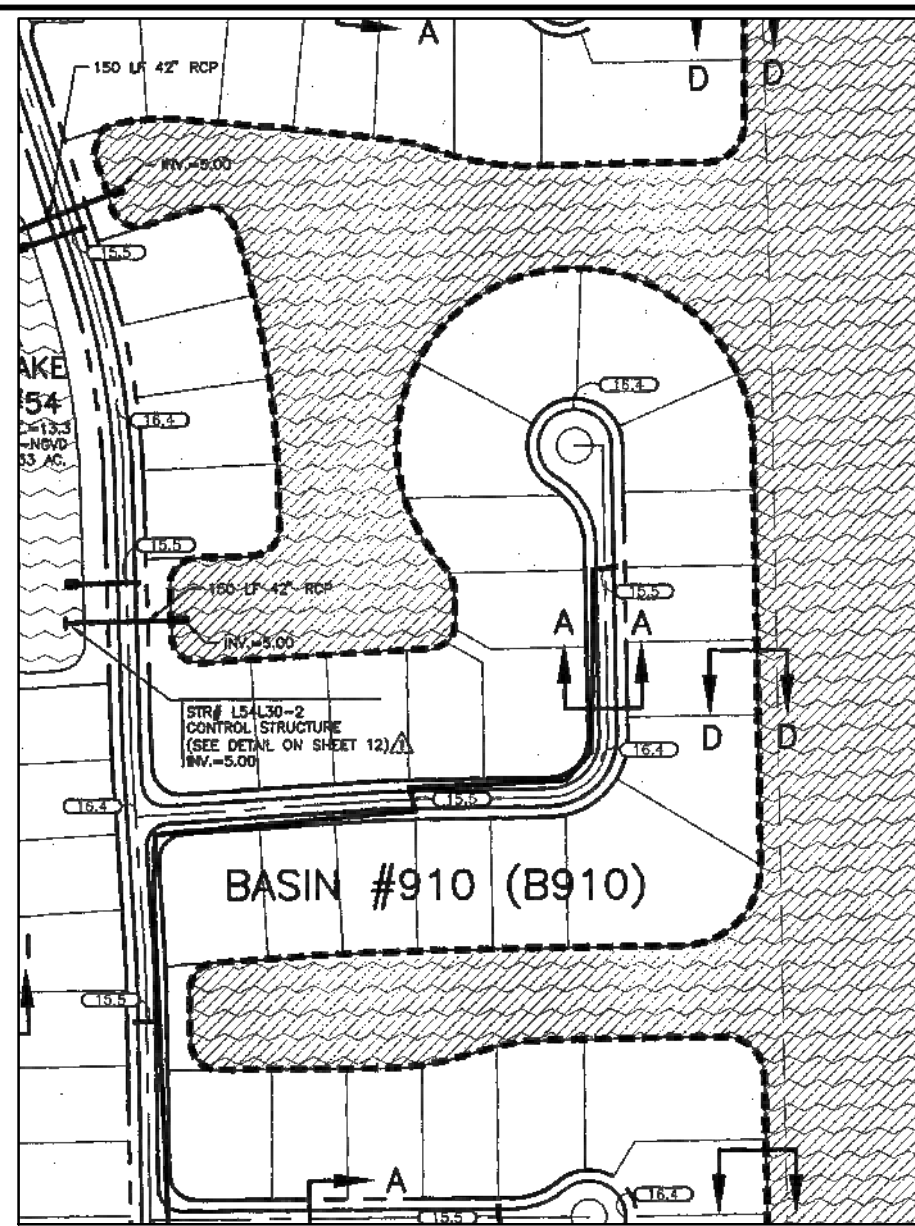
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Architect No. AA2600926
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT GRANITE
CT.**

Sheet No.
L30



LEGEND

S

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PHOTO STARTING POINT

L ##

LAKE NUMBER

APPROX. LAKE LIMITS

##

PHOTO NUMBERS

#

GOLF COURSE HOLE #

▨

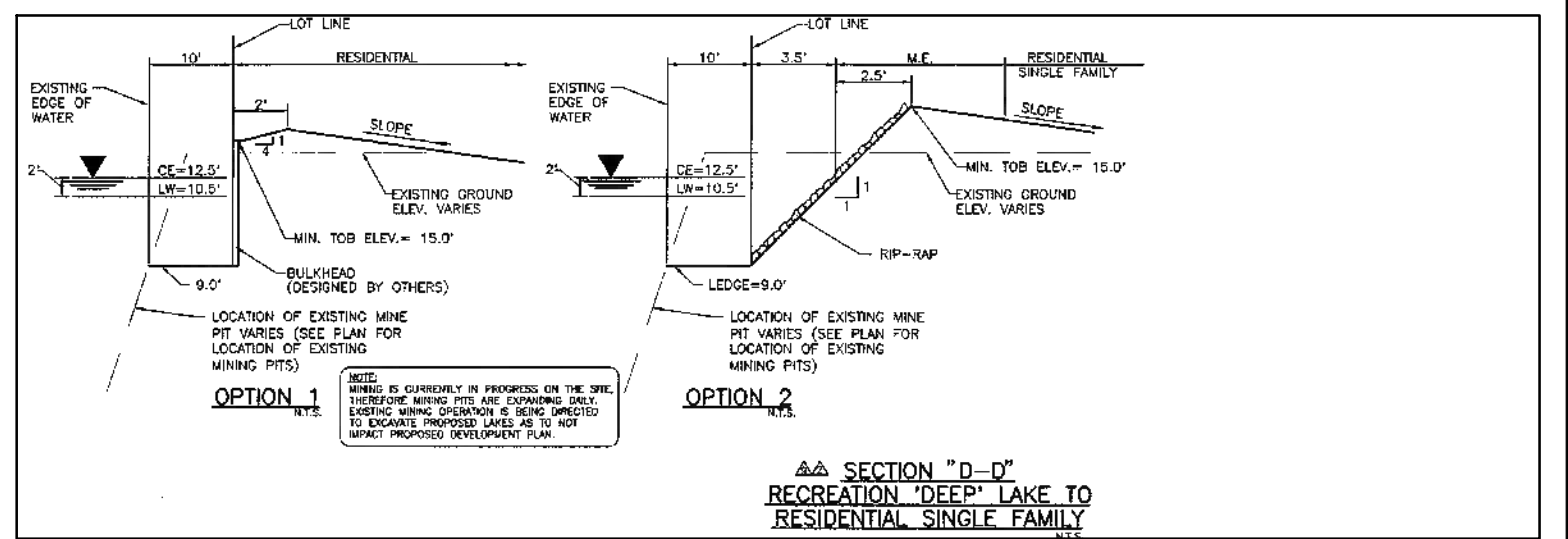
PRIORITY #1

▨

PRIORITY #2

▨

PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER
AND TYPICAL CROSS SECTION

N.T.S.



OBSERVATIONS:

- NO EROSION DEFICIENCIES FOUND.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- PERIODIC MONITORING.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
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Checked by:	A. LOPEZ
Date:	07/01/2025
Job No.	2500647

**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT SLATE CT.**

Sheet No.
L30



OBSERVATIONS:

- MODERATE EROSION ADJACENT TO RESIDENTIAL PROPERTIES (PHOTOS #24 - #25).

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS.
- INSTALL 6"-8" RIPRAP LAYER AND KEY-WAY (6"-8") TO PROTECT LAKE BANK.

ALTERNATE RECOMMENDATIONS

- INTRODUCE THE USE OF LITTORAL PLANTING.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
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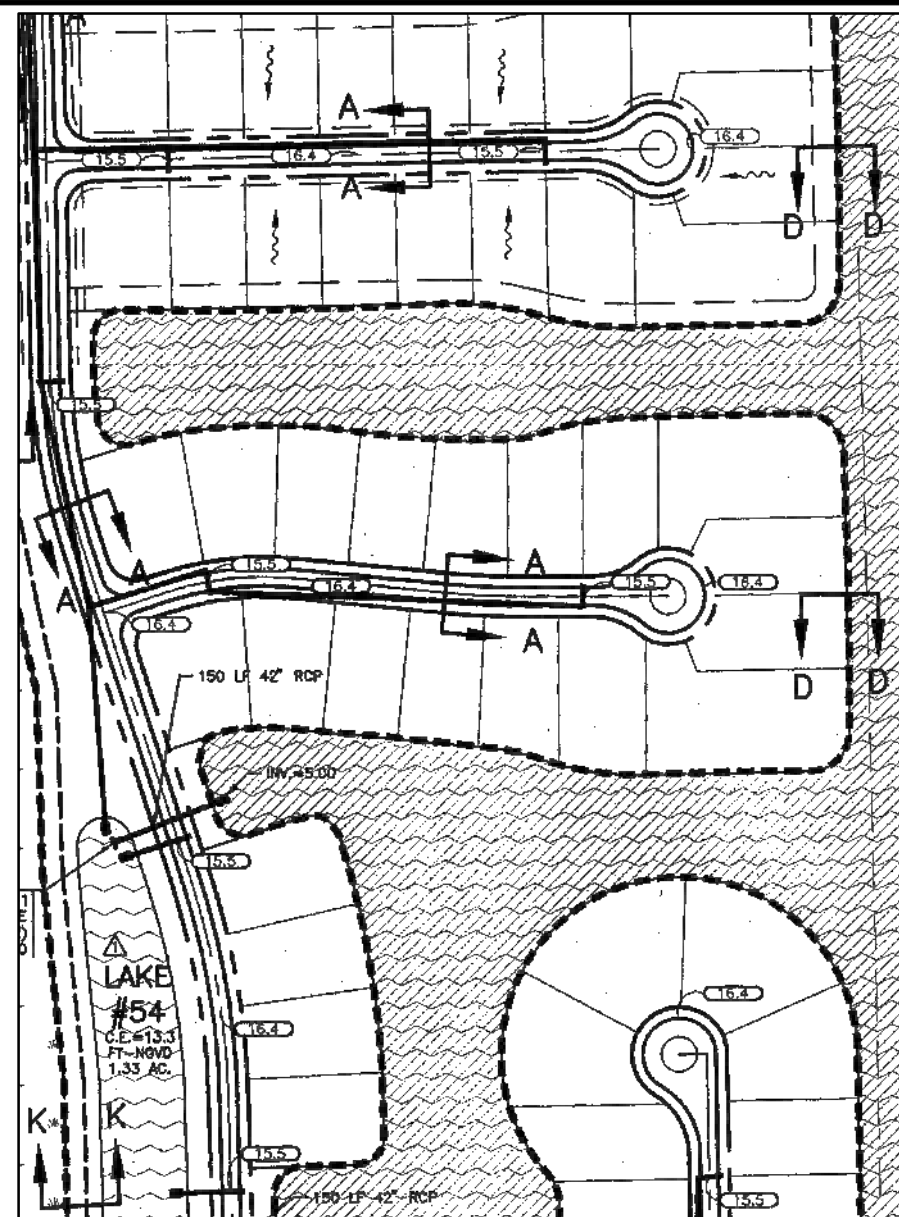
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**THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA**

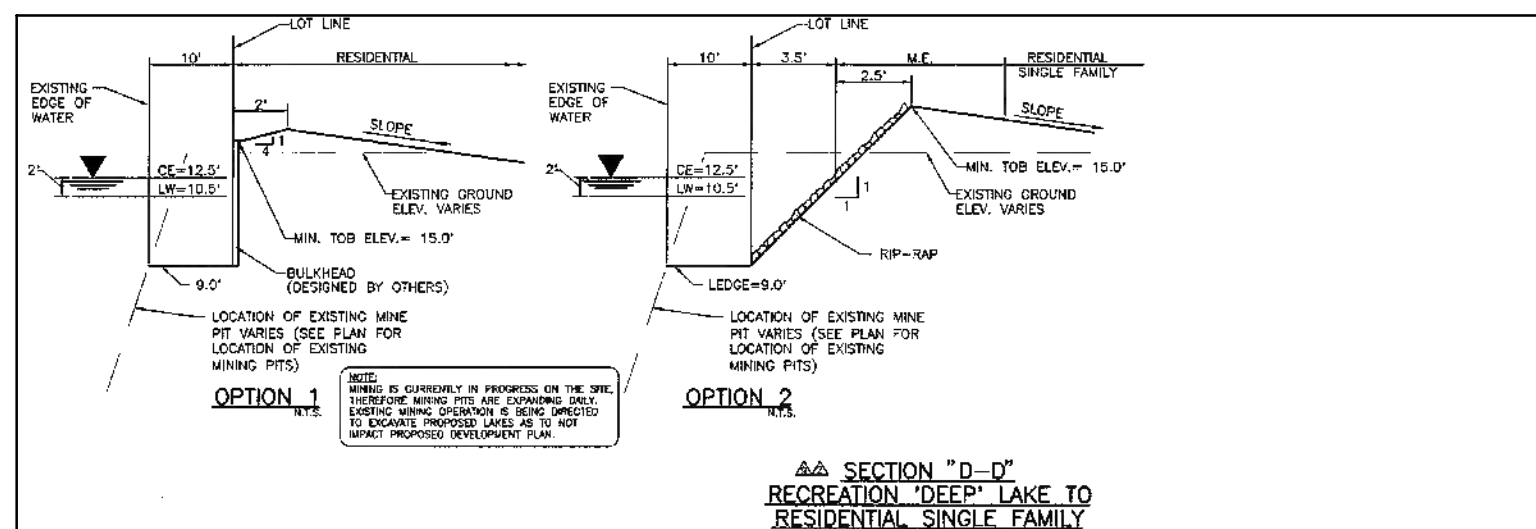
**LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT SLATE CT.**

Sheet No.
L30



LEGEND

- PHOTO STARTING POINT
- LAKE NUMBER
- APPROX. LAKE LIMITS
- PHOTO NUMBERS
- GOLF COURSE HOLE #
- PRIORITY #1
- PRIORITY #2
- PRIORITY #3



**ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER
AND TYPICAL CROSS SECTION**

N.T.S.



OBSERVATIONS:

- *MODERATE TO EXTREME EROSION ADJACENT TO RESIDENTIAL PROPERTIES (PHOTOS #4 - #5). APPROXIMATELY 180 LF.

RECOMMENDATIONS TO MEET ORIGINAL INTENDED DESIGN:

- RECONFIGURE 4:1 SLOPE WITH NEW FILL MATERIAL. NEW FILL MATERIAL TO BE COMPACTED PER ORIGINAL DESIGN SPECIFICATIONS.
- INSTALL 6"-8" RIPRAP LAYER AND KEY-WAY (6"-8") TO PROTECT LAKE BANK.

ALTERNATE RECOMMENDATIONS

- INTRODUCE THE USE OF LITTORAL PLANTING.
- * AREAS CURRENTLY BEING TREATED AS PART OF PHASE III PROJECT.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		
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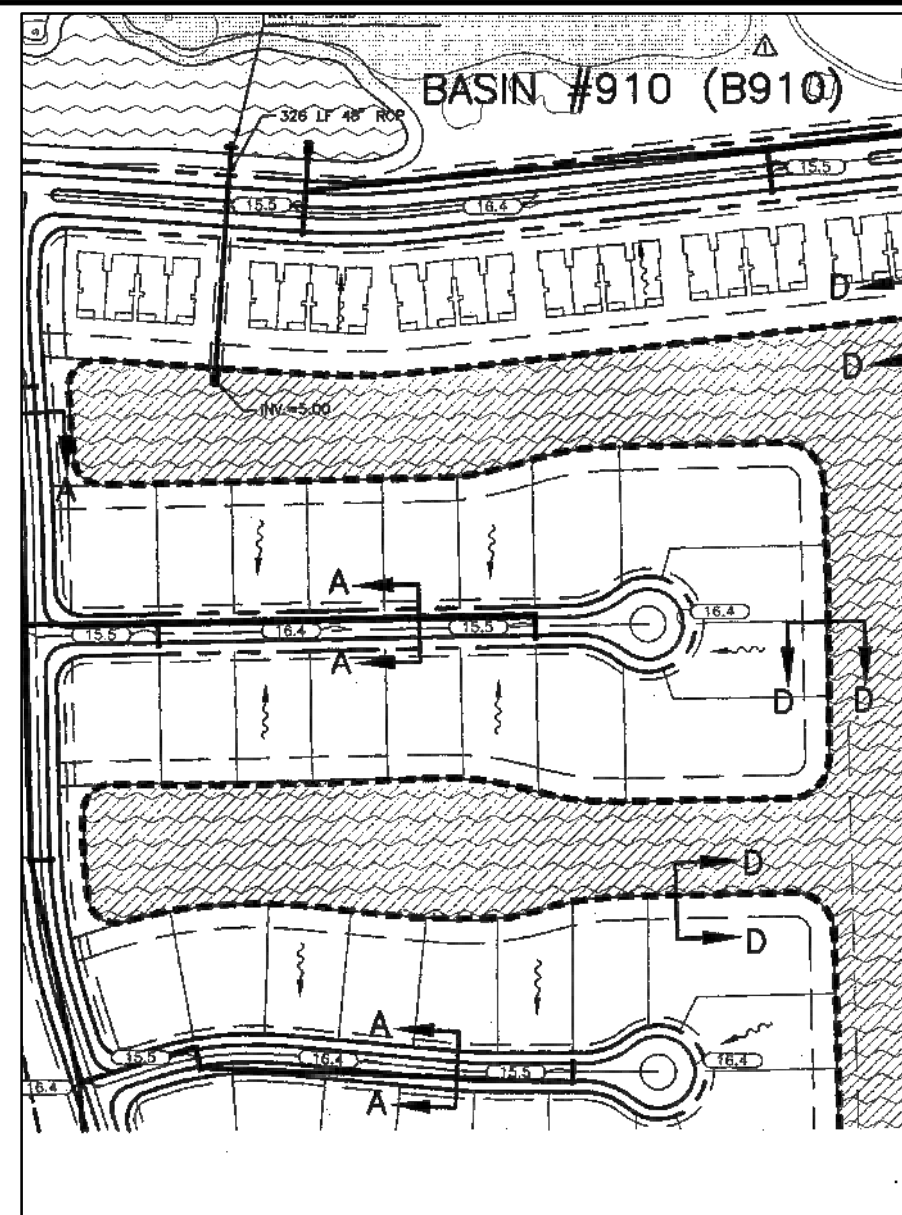
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT COPPER
CANYON CT.

Sheet No.
L30



LEGEND

S

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L ##

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PHOTO STARTING POINT

LAKE NUMBER

APPROX. LAKE LIMITS

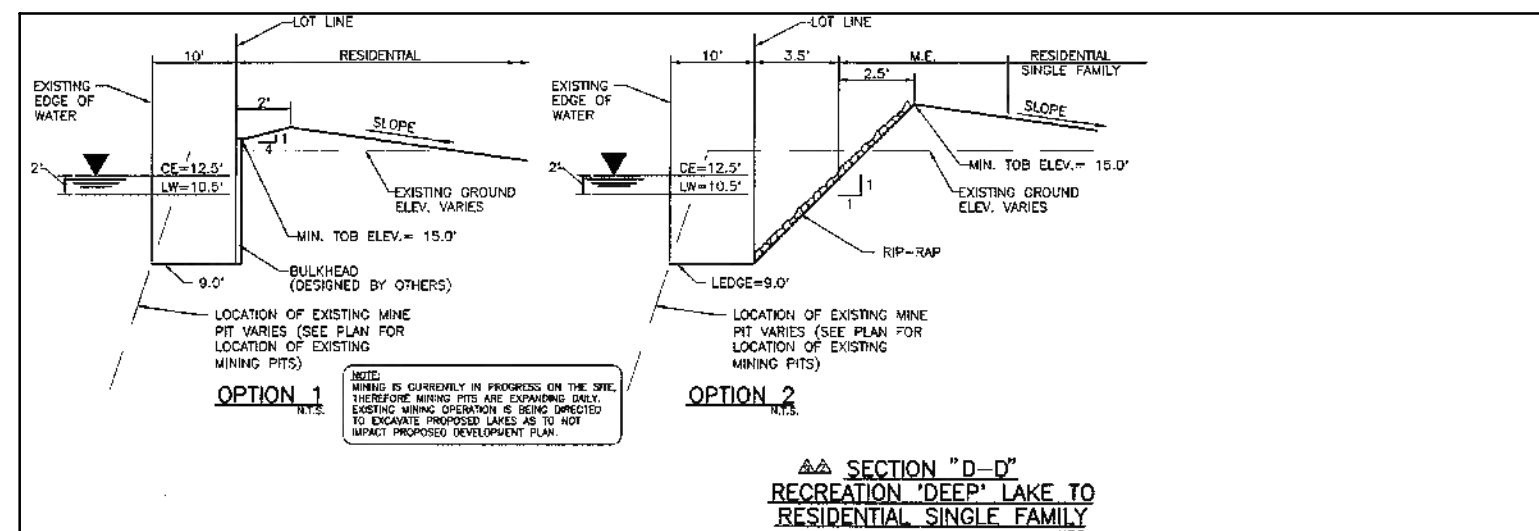
PHOTO NUMBERS

GOLF COURSE HOLE #

PRIORITY #1

PRIORITY #2

PRIORITY #3



ERP 11-02134P ORIGINAL APPROVED LAKE PERIMETER
AND TYPICAL CROSS SECTION

N.T.S.

No.	Date	Revision	No.	Date	Revision
1			2		
2			3		
3			4		
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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
LAKE 30 AT COPPER ROCK CT.

Sheet No.
L30



OBSERVATIONS:

- A RESIDENTIAL DRAIN WAS OBSERVED DISCHARGING DIRECTLY INTO THE LAKE, WHICH IS A PROHIBITED CONDITION PER SFWMD AND CDD REGULATIONS (PHOTO #14)

RECOMMENDATIONS :

- IT IS RECOMMENDED THAT THE RESIDENT BE CONTACTED TO INFORM THEM OF THE PROHIBITED DRAINAGE CONDITION AND TO DISCUSS APPROPRIATE CORRECTIVE ACTIONS TO REDIRECT DISCHARGE INTO EXISTING SWALE.

No.	Date	Revision	No.	Date	Revision
1			1		
2			2		
3			3		
4			4		

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THE QUARRY COMMUNITY
DEVELOPMENT DISTRICT
COLLIER COUNTY / FLORIDA

LAKE BANK CONDITION SURVEY
PHOTOS - LAKE 30 AT COPPER
ROCK CT.

Sheet No.
L30



APPENDIX B

Deficiencies Summary

The Quarry CDD
Stormwater Lakes Assessment Report
Collier County, Florida

The Quarry CCD - Deficiencies Summary													
				Shoreline	Combined Shoreline								
Lake #	Lake Perimeter LF	Location	Current Condition	Erosion Deficiencies LF	Priority #1 LF	Priority #2 LF	*Priority #3 LF	Total LF	Total % Requiring Repairs	Lake Bank Slope	Work Performed as part of the 2022 Shoreline Restoration Project	Total Shoreline already restored	Projected New Restoration
30	26,350	485.9 acres. Rip rap 360 degrees surround lake.	Minor to moderate erosion observed	1,030	90	940	0	1,030	4%	4:1	±3695' of littorals planted durring 2022 - Shoreline Restoration Project	3695	1030
31	1,070	1.50 Acres, located North of Immokalee Road, between Limestone Trail and Quarry Drive.	No major erosion observed	0	0	0	0	0	0%	4:1	0' of littorals planted durring 2022 - Shoreline Restoration Project	0	0
32	2,272	4.59 acres, adjacent to 9221 Quarts Ln, located North of Limestone Trail and Southeast of Quartz Ln.	Moderate erosion observed	160	0	160	0	160	7%	4:1	±695' of littorals planted durring 2022 - Shoreline Restoration Project	695	160
33	1,279	2.10 acres, Located South of Limestone Trail, between Limestone Trail and Immokalee Road.	Minor erosion observed on the northern side of the lake	130	0	0	130	130	10%	4:1	±180' of littorals planted durring 2022 - Shoreline Restoration Project	180	130
34	1,901	4.47 acres, adjacent to 9201 Quartz Ln, located Northwest of Limestone trail, Between Quartz Ln and Limestone Trail.	No major erosion observed	0	0	0	0	0	0%	4:1	±80' of littorals planted durring 2022 - Shoreline Restoration Project	80	0
35	1,555	2.29 acres, adjacent to 9212 Quartz Ln, located North of Quartz Ln and Southeast of Shale Ct.	Moderate erosion observed on the southern side of the lake	430	0	430	0	430	28%	4:1	0' of littorals planted durring 2022 - Shoreline Restoration Project	0	430
36	1,023	1.39 acres, adjacent to 9166 Shale Ct, located East of Quartz Ln and Southeast of Shale Ct.	No major erosion observed	0	0	0	0	0	0%	4:1	±380' of littorals planted durring 2022 - Shoreline Restoration Project	380	0
37	801	0.82 acres, adjacent to 9186 Treeside Ct, located South of Treeside Ct and Southwest of Quartz Ln.	No major erosion observed	0	0	0	0	0	0%	4:1	±137' of littorals planted durring 2022 - Shoreline Restoration Project	137	0
38	2,940	4.94 acres, adjacent to 9135 Crystal Ct, located South of Weathered Stone Dr and East of Crystal Ct.	No major erosion observed	0	0	0	0	0	0%	4:1	±1605' of littorals planted durring 2022 - Shoreline Restoration Project	1605	0
40	2,127	2.82 acres, adjacent to 8985 Kayak dr, located South of Kayak Dr and Notheast of Weathered Stone Dr.	No major erosion observed	0	0	0	0	0	0%	4:1	±320' of littorals planted durring 2022 - Shoreline Restoration Project	320	0

41	1,155	1.92 acres, adjacent to 9559 Coquina Cir, located Southwest of Quarry Dr and North of Coquina Cir.	No major erosion observed	0	0	0	0	0%	4:1	±495' of littorals planted during 2022 - Shoreline Restoration Project	495	0
42	2,593	3.88 acres, adjacent to 9529 Ironstone Ter, located between Ironstone Ter and Quarry Dr.	Small amount of moderate erosion on the Northwest side of the lake	74	0	74	0	3%	4:1	±1000' of littorals planted during 2022 - Shoreline Restoration Project	1000	74
44	4,668	7.03 acres, adjacent to 9653 Cobalt Cove Cir, located Northeast of Cobalt Cove Cir.	Moderate to major erosion observed	175	130	45	0	4%	4:1	±785' of littorals planted during 2022 - Shoreline Restoration Project	785	175
45	1,285	2.41 acres, adjacent to 9640 Cobalt Cove Cir, East of Quarry Dr, between Cobalt Cove Cir and Quarry Dr.	No major erosion observed	0	0	0	0	0%	4:1	±1284' of littorals planted during 2022 - Shoreline Restoration Project	1284	0
46	1,562	1.98 acres, adjacent to 9689 Cobalt Cove Cir, located North Nickle Ridge Cir, between Cobalt Cove Cir and Nickle Ridge Cir.	No major erosion observed	0	0	0	0	0%	4:1	±635' of littorals planted during 2022 - Shoreline Restoration Project	635	0
47	5,460	20.36 acres, adjacent to 9807 Nickle Ridge Cir, located North of Weathered Stone Dr, Between Nickle Ridge Cir and Marblestone Dr.	No major erosion observed	50	50	0	0	1%	4:1	±877' of littorals planted during 2022 - Shoreline Restoration Project	877	50
48	2,646	4.84 acres, adjacent to 9792 Nickle Ridge Cir, located Southeast of Quarry Dr, Between Quarry Dr and Nickle Ridge Cir.	Moderate erosion observed on the east side of the lake	400	0	400	0	15%	4:1	±486' of littorals planted during 2022 - Shoreline Restoration Project	486	400
49	723	0.59 acres, adjacent to 9395 Weathered Stone Dr, located Southwest of Quarry Dr, between Collier County Row and Quarry Dr.	No major erosion observed	0	0	0	0	0%	4:1	0' of littorals planted during 2022 - Shoreline Restoration Project	0	0
50	2,754	3.48 acres, located North of Quarry Dr.	No major erosion observed	0	0	0	0	0%	4:1	±830' of littorals planted during 2022 - Shoreline Restoration Project	830	0
53	851	1.04 acres, adjacent to 9204 Ores Cir, located Northeast of Quarry Dr, between Ores Cir and Gypsum Way.	No major erosion observed	0	0	0	0	0%	4:1	0' of littorals planted during 2022 - Shoreline Restoration Project	0	0

54	1,301	1.33 acres, Adjacent to 9359 Marblestone, Located West of Marblestone dr, between Slate Ct and Copper Canyon Ct.	No major erosion observed	0	0	0	0	0%	4:1	±110 of littorals planted during 2022 - Shoreline Restoration Project	110	0
55	1,330	2.45 acres, adjacent to 9251 Marblestone Dr, located Southwest of Marblestone Dr, between Marblestone Dr and Nickle Ridge Cir.	No major erosion observed	0	0	0	0	0%	4:1	±120' of littorals planted during 2022 - Shoreline Restoration Project	120	0
56	1,704	3.29 acres, adjacent to 9231 Marblestone Dr, located North of Weathered Stone Dr, between Marblestone Dr and Nickle Ridge Cir.	No major erosion observed	0	0	0	0	0%	4:1	±80' of littorals planted during 2022 - Shoreline Restoration Project	80	0
57	3,504	4.98 acres, adjacent to 9220 Ores Cir, located Northeast of Ores Cir.	No major erosion observed	0	0	0	0	0%	4:1	±1676' of littorals planted during 2022 - Shoreline Restoration Project	1676	0
58	970	1.35 acres, adjacent to 9236 Gypsum Way, located North of Gypsum Way, between Quarry Dr and Gypsum Way.	No major erosion observed	0	0	0	0	0%	4:1	±80' of littorals planted during 2022 - Shoreline Restoration Project	80	0
59	2,407	4.37 acres, adjacent to 9142 Limestone Ln, located Northeast of Limestone Ln, between Limestone Ln and Flint Ct.	No major erosion observed	0	0	0	0	0%	4:1	±560' of littorals planted during 2022 - Shoreline Restoration Project	560	0
61	1,122	1.95 acres, adjacent to 9036 Graphite cir, located East of Graphite Cir, between Graphite Cir and Quarry Dr.	No major erosion observed	0	0	0	0	0%	4:1	±220' of littorals planted during 2022 - Shoreline Restoration Project	220	0
62	1,250	1.39 acres, adjacent to 9062 Limestone Ln, located Southwest of Limestone Ln, Between Limestone Ln and Quarry Dr.	No major erosion observed	0	0	0	0	0%	4:1	±110' of littorals planted during 2022 - Shoreline Restoration Project	110	0
63	1,382	2.26 acres, adjacent to 8965 Quarry Dr, located Northwest of Siesta Bay Dr, between Graphite Cir and Siesta Bay Dr.	No major erosion observed	0	0	0	0	0%	4:1	±400' of littorals planted during 2022 - Shoreline Restoration Project	400	0

63A	1,618	1.87 acres, adjacent to 8990 Quarry Dr, located Southeast of Quarry Dr, between Limestone Ln and Quarry Dr.	Moderate erosion observed on the northern corner of lake	56	0	56	0	56	3%	4:1	±315' of littorals planted durring 2022 - Shoreline Restoration Project	315	56
63B	2,185	2.68 acres, adjacent to 9089 Siesta bat Dr, located East of Siesta Bay Dr, between Siesta Bay Dr and Quarry Dr.	No major erosion observed	0	0	0	0	0	0%	4:1	0' of littorals planted durring 2022 - Shoreline Restoration Project	0	0
64	3,953	9.28 acres, located East of Limestone Ln.	No major erosion observed	0	0	0	0	0	0%	4:1	±1150' of littorals planted durring 2022 - Shoreline Restoration Project	1150	0
Total	87,741			2,505	270	2,105	130	2,505	3%			18,305	2,505

	Priority #1 Column	This collumn is for repairs that require immediate attention
	Priority #2 Collumn	This collumn is for repairs that require attention within the next six (6) months
	Priority #3 Collumn	This collumn is for repairs that will need attention within the next two years