

☺ BLUE = BLACK OLIVE

★ PINK = PALM

X GREEN = OAK

P PLUM = PINE

L LIGHT  
BLUE = LANDSCAPE



C:\Users\james\Desktop\114101-101\114101-101.dwg  
11/10/2024 11:16:12 AM  
11/10/2024 11:16:12 AM



SHORELINE	
TOTAL LAKE SHORELINE	2748 LF
HARDENED SHORELINE	89 LF - 3.2%
PERMITTED LITTORAL	0 LF
EXISTING LITTORAL	1187 LF - 43.2%
TOTAL # PLANTS	1781

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING DRAINAGE
	PROPOSED DRAINAGE

**DEVELOPMENT ORDER PERMIT PLANS FOR  
HERONS GLEN LAKE  
MAINTENANCE BASE  
CLIENT: HERONS GLEN RECREATION DISTRICT  
LAKE 1 - 2 LITTORALS**

PLAN REVISIONS

NO.	DESCRIPTION

SCALE IN FEET  
0 20 40 80

CHECKLIST OF AUTHORITY HDS

3500  
4000  
1800

DATE: JUN 25, 2024  
PROJECT NO: 114101-101

VERTICAL ELEVATIONS BASED ON: NAVD-83



P:\Projects\1141-01\1141-01-01\1141-01-01.dwg  
 11/14/2018 10:00 AM  
 JAMES M. GUN, P.E.  
 11/14/2018 10:00 AM



THE ENGINEER HAS PREPARED THIS PLAN FOR THE  
 CLIENT'S USE ONLY. THE CLIENT IS RESPONSIBLE FOR  
 THE ACCURACY OF ALL INFORMATION AND DATA  
 PROVIDED TO THE ENGINEER. THE ENGINEER'S  
 LIABILITY IS LIMITED TO THE PROFESSIONAL  
 SERVICES PROVIDED.

**WALDROP ENGINEERING**  
  
 4814 GARDNER - SUITE 201 FORT MYERS, FL 33901  
 PH: 888-944-6888 FAX: 888-944-6888  
 WWW.WALDROPENGINEERING.COM

DEVELOPMENT ORDER PERMIT PLANS FOR  
**HERONS GLEN LAKE**  
**MAINTENANCE BASE**  
 CLIENT: HERONS GLEN RECREATION DISTRICT  
**LAKE 3-5 LITTORALS**

PLAN REVISIONS  
 NO. DATE BY REVISION  
 1 11/14/18 JMG





SCALE IN FEET  
 0 25 50 100  
 1" = 100'

FLORIDA CERTIFICATE OF AUTHORIZATION #3486  


JAMES M. GUN, P.E.  
 FL LICENSE #11418

SET NUMBER: 1141-101-01  
 SHEET: 7

SHORELINE	
TOTAL LAKE SHORELINE	2028 LP 1898 LP
HARDENED SHORELINE	0 LP - 0%
PERMITTED LITTORAL	0 LP 0 LP
EXISTING LITTORAL	1098 LP - 54.2% 288 LP - 14.4%
TOTAL # PLANTS	123 648

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING DRAINAGE
	PROPOSED DRAINAGE

VERTICAL ELEVATIONS BASED ON: NAVD-83



1514 BRUNNENWEG - 4502E 9011 WEST AVENUE, FT. LAUDERDALE, FL 33309  
 P. 561-344-9000 FAX. 561-344-9001 www.waldrop-engineering.com



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**DEVELOPMENT ORDER PERMIT PLANS FOR  
 HERONS GLEN LAKE  
 MAINTENANCE BASE**

CLIENT: HERONS GLEN RECREATION DISTRICT  
 LAKE 6 - 8 LITTORALS

SHORELINE	
TOTAL LAKE SHORELINE	668 LF 477 LF
HARDENED SHORELINE	0 LF - 0%
PERMITTED LITTORAL	0 LF 0 LF
EXISTING LITTORAL	188 LF - 82.0% 477 LF - 100%
TOTAL # PLANTS	225 600

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING DRAINAGE
	PROPOSED DRAINAGE

PLAN REVISIONS

NO.	DATE	DESCRIPTION

0 50 100 150  
 SCALE IN FEET

FLORIDA CERTIFICATE OF AUTHORIZATION #666  
 2500  
 1335

JAMES M. OYK, P.E.  
 FL LICENSE NO. 4106

SET NUMBER: 1141-101-01  
 SHEET: 8

VERTICAL ELEVATIONS BASED ON: NAVD-83







CAUTION: CONTRACTOR RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BEFORE COMMENCEMENT OF ANY UNDERGROUND WORK. ALL ELEVATIONS ARE APPROXIMATIONS. CONTRACTOR SHALL FIELD VERIFY ALL STRUCTURES.



# DEVELOPMENT ORDER PERMIT PLANS FOR HERONS GLEN LAKE MAINTENANCE BASE CLIENT: HERONS GLEN RECREATION DISTRICT LAKE 11 LITTORALS

**CONSERVATION EASEMENT  
(NOT IN PROJECT)**  
NOTE: NO CONSTRUCTION IS AUTHORIZED WITHIN THE RECORDED CONSERVATION EASEMENT. A DOUBLE ROW SILT FENCE ALONG THE CONSERVATION EASEMENT IS REQUIRED PRIOR TO START OF CONSTRUCTION TO ENSURE STRUCTURAL SEPARATION FROM GOLF COURSE AND CONSERVATION EASEMENT



SHORELINE	
TOTAL LAKE SHORELINE	878 LF
HARDENED SHORELINE	0 LF - 0%
PERMITTED LITTORAL	0 LF
EXISTING LITTORAL	810 LF - 100%
TOTAL PLANTS	810

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING DRAINAGE
	PROPOSED DRAINAGE

PLAN REVISIONS



SCALE IN FEET

FLORIDA CERTIFICATE OF AUTHORIZATION #884

JAMES M. DIX, P.E.  
P.L. LICENSE #16126  
SET NUMBER: 1141-101-01  
SHEET: 19

P:\Projects\1141-01\_Herons\_Glen\_Maintenance\_Base\DWG\1141-01-01\_Lake\_Maintenance\_Base\DWG\1141-01-01-19.dwg  
BY: JMD/10/20/20  
DATE: 10/20/20



CONTRACTOR RESPONSIBLE FOR LOCATION OF ALL UTILITIES AND DEPTH OF ALL UNDERGROUND UTILITIES BEFORE COMMENCEMENT OF ANY UNDERGROUND WORK. ALL ELEVATIONS ARE APPROXIMATIONS. CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES.



**WALDROP ENGINEERING**

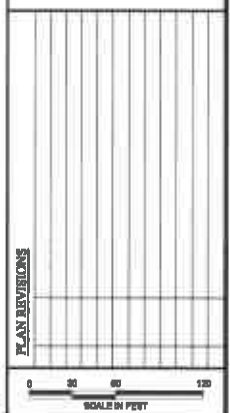
1814 UNIVERSITY - SUITE 201 - FORT WORTH, TX 76101  
 P: 817-344-0000 FAX: 817-344-0001

DEVELOPMENT ORDER PERMIT PLANS FOR  
**HERONS GLEN LAKE**  
**MAINTENANCE BASE**  
 CLIENT: HERONS GLEN RECREATION DISTRICT  
 LAKE 12 LITTORALS



SHORELINE	
TOTAL LAKE SHORELINE	1891 LF
HARDENED SHORELINE	0 LF - 0%
PERMITTED LITTORAL	0 LF
EXISTING LITTORAL	807 LF - 50.5%
TOTAL # PLANTS	881

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING DRAINAGE
	PROPOSED DRAINAGE



FLORIDA CERTIFICATE OF AUTHORIZATION #884

1200  
 3000  
 800  
 600

JAMES M. DOY, P.E.  
 LICENSE #12000

SET NUMBER: 1141-101-01  
 SHEET: 16

11/11/2025 4:52:25 PM  
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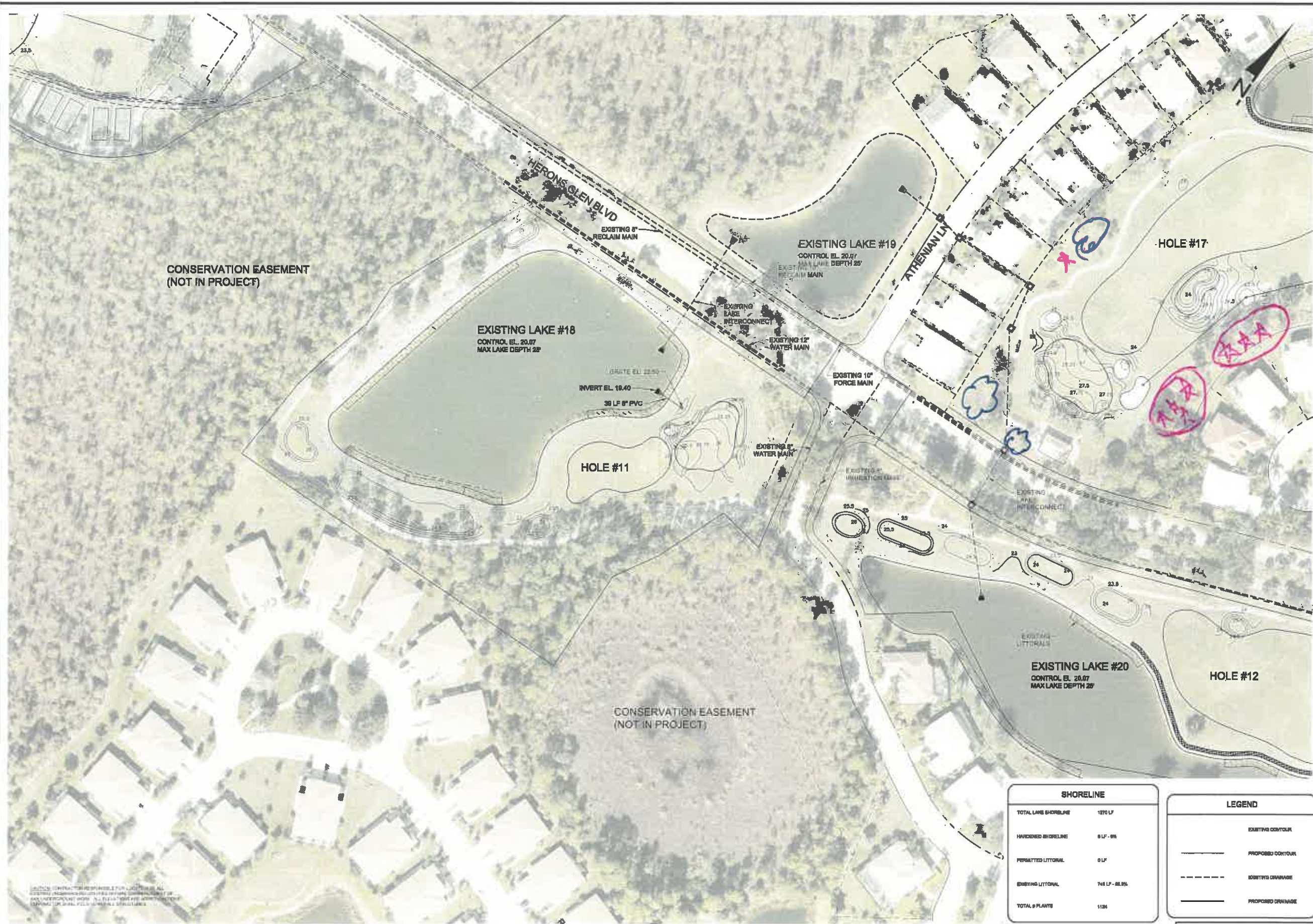








10/18/2011 10:52:01 Project: Herons Glen Engineering Services\114-101-01 Lake Maintenance\Drawings\114-101-01-01.dwg  
 11/16/2011 10:28:13



DESIGN: HERONS GLEN RECREATION DISTRICT  
 ENGINEERING: WILSON ENGINEERING  
 CONSULTING ENGINEERS, P.A.  
 11411-01-01

**WALDROP ENGINEERING**

**W**

1114 MEMORPHIS - SUITE 201, FORT WORTH, TX 76102  
 PHONE: 817-341-8888 FAX: 817-341-8889  
 WWW: www.waldrop-engineering.com

DEVELOPMENT ORDER PERMIT PLANS FOR  
**HERONS GLEN LAKE**  
**MAINTENANCE BASE**  
 CLIENT: HERONS GLEN RECREATION DISTRICT  
**LAKE 18 - 19 LITTORALS**

PLAN REVISIONS

NO.	DATE	DESCRIPTION

0 30 60 120  
 SCALE IN FEET

FLORIDA CERTIFICATE OF AUTHORIZATION NO. 1500  
 6000

JAMES M. BOY, P.E.  
 P.L. 15000, 0108

SET NUMBER: 1141-101-01  
 SHEET: 29

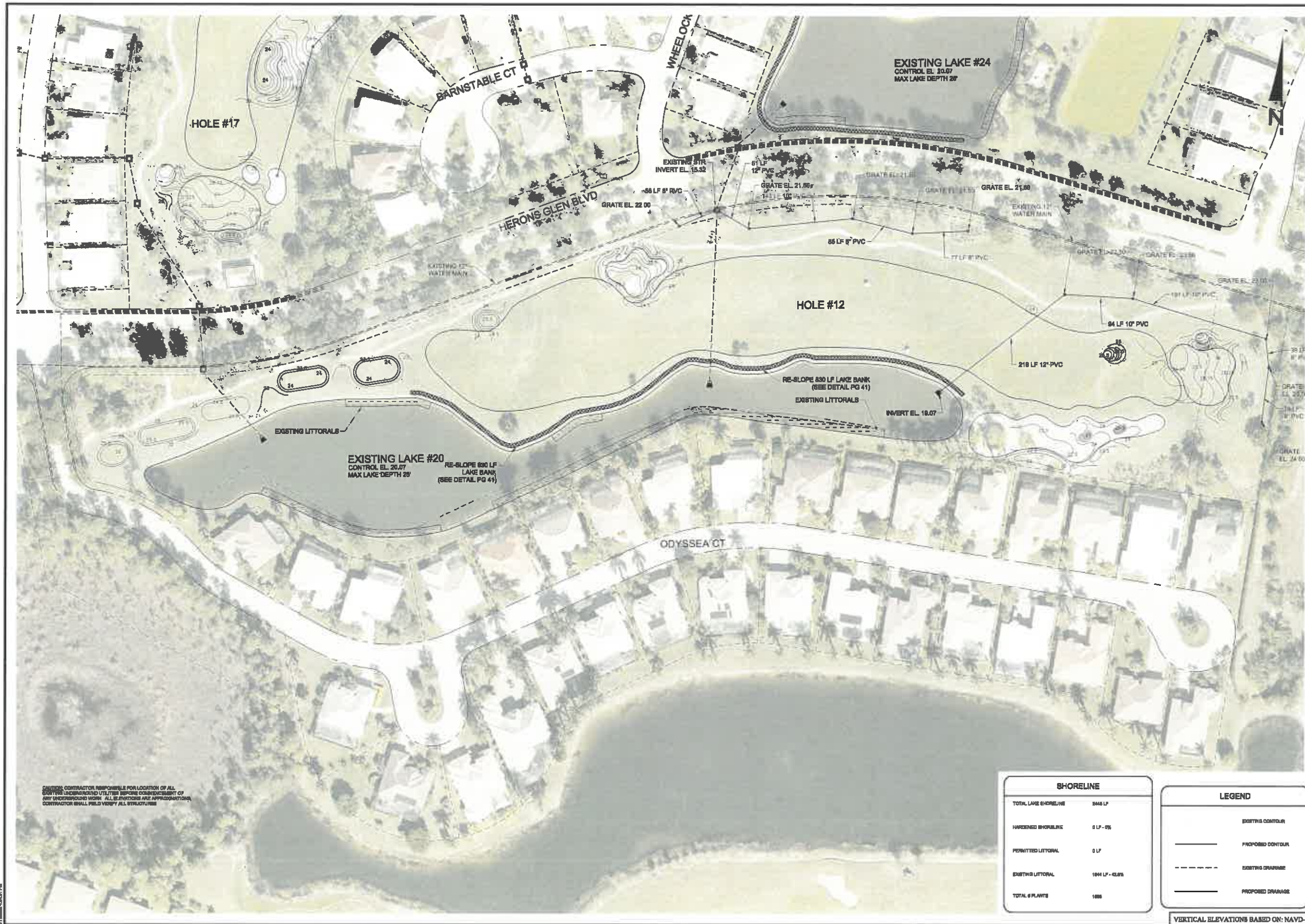
SHORELINE	
TOTAL LAKE SHORELINE	1870 LF
HARDENED SHORELINE	8 LF - 8%
PERMITTED LITTORAL	0 LF
EXISTING LITTORAL	748 LF - 88.9%
TOTAL PLANTS	1126

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING DRAINAGE
	PROPOSED DRAINAGE

VERTICAL ELEVATIONS BASED ON: NAVD-83



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CAUTION: CONTRACTOR RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BEFORE CONSTRUCTION OF ANY UNDERGROUND WORK. ALL ELEVATIONS ARE APPROXIMATIONS. CONTRACTOR SHALL FIELD VERIFY ALL STRUCTURES.

SHORELINE	
TOTAL LAKE SHORELINE	2848 LF
HARDENED SHORELINE	0 LF - 0%
PERMITTED LITTORAL	0 LF
EXISTING LITTORAL	1844 LF - 64.5%
TOTAL PLANTS	1688

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING DRAINAGE
	PROPOSED DRAINAGE

**WALDRUP ENGINEERING**



1814 WOODBRIDGE - SUITE 201 - FORT WORTH, TX 76104  
 PH: 817-331-8888 FAX: 817-331-8889  
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**DEVELOPMENT ORDER PERMIT PLANS FOR  
 HERONS GLEN LAKE  
 MAINTENANCE BASE  
 CLIENT: HERONS GLEN RECREATION DISTRICT  
 LAKE 20 LITTORALS**

NO.	REVISION

SCALE IN FEET: 0 20 40 80

FLORIDA CERTIFICATE OF AUTHORIZATION #24487

JAMES M. BOE, P.E.  
 FL. LICENSE #12408

BET NUMBER: 1141-101-01

SHEET: 25

VERTICAL ELEVATIONS BASED ON: NAVD-88







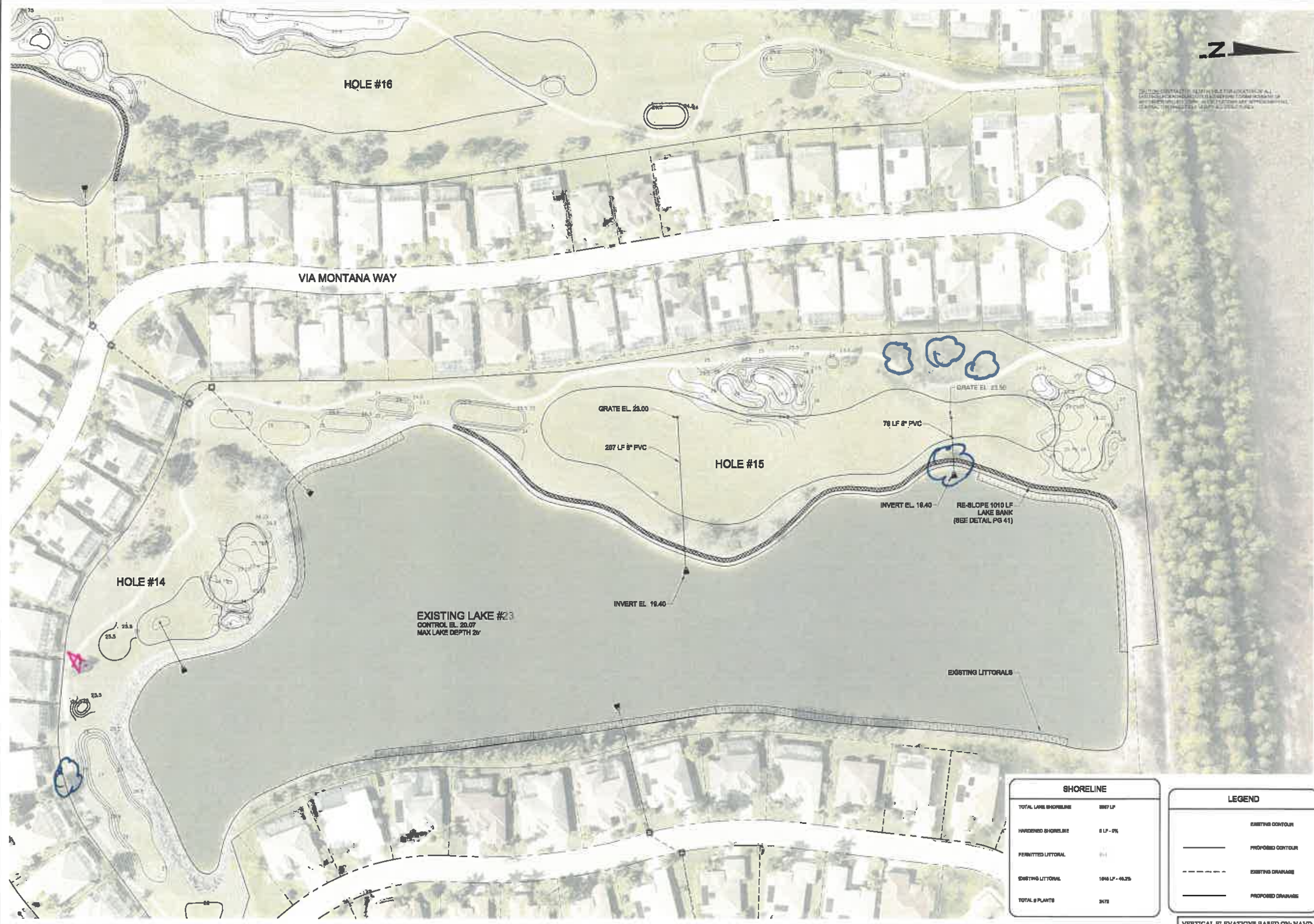


THIS CONTRACT IS BINDING FOR ALL OF THE  
SPECIAL CONDITIONS AND SPECIFICATIONS TO BE FOUND IN  
APPENDIX B TO THE STANDARD SPECIFICATIONS FOR  
CONSTRUCTION OF PUBLIC WORKS, 11TH EDITION, 2010

**WALDROP ENGINEERING**  
LAND ENGINEERING & LAND DEVELOPMENT CONSULTANTS  
1614 BRUNSWICK - SUITE 205, FORT MYERS, FL 33901  
P. 888-344-6688 FAX. 888-344-6688

DEVELOPMENT ORDER PERMIT PLANS FOR  
**HERONS GLEN LAKE**  
**MAINTENANCE BASE**  
CLIENT: HERONS GLEN RECREATION DISTRICT  
LAKE 23 LITTORALS

PROJECT: 11-101-01 - Herons Glen Engineering Services - 11-101-01 - Lake 23 Maintenance Base - 11-101-01 - 11-101-01 - 11-101-01



SHORELINE	
TOTAL LAKE SHORELINE	887 LF
HARDENED SHORELINE	8 LF - 0%
PERMITTED LITTORAL	0'
EXISTING LITTORAL	1848 LF - 65%
TOTAL # PLANTS	3478

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING DRAINAGE
	PROPOSED DRAINAGE

PLAN REVISIONS

NO.	DATE	DESCRIPTION

SCALE IN FEET  
0 30 60 120

FLORIDA CERTIFICATE OF AUTHORIZATION #628  
**2500**  
**400**  
JAMES M. DICK, P.E.  
REGISTERED ENGINEER  
SET NUMBER: 1141-101-01  
SHEET: 29

VERTICAL ELEVATIONS BASED ON: NAVD-88

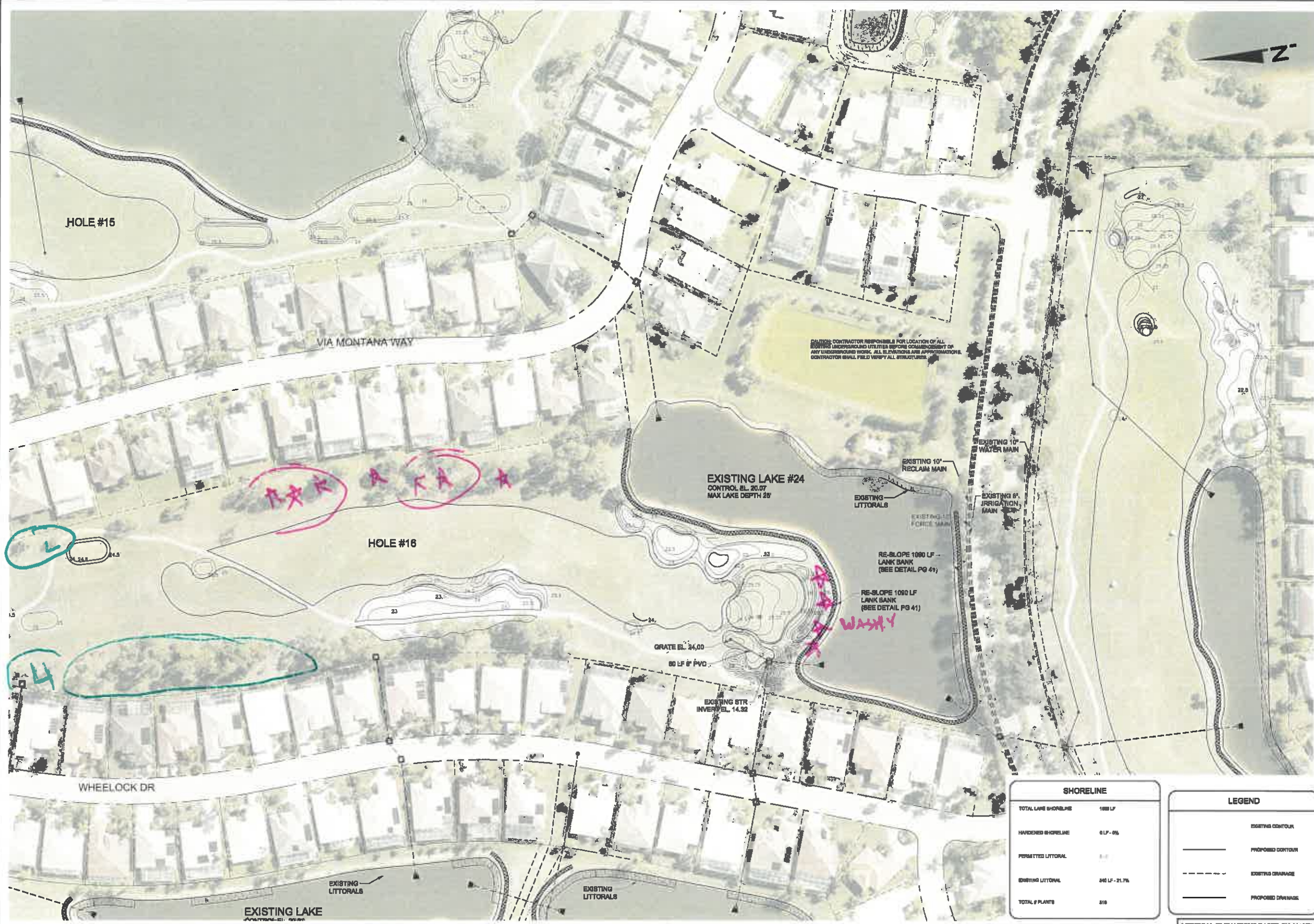




### DEVELOPMENT ORDER PERMIT PLANS FOR HERONS GLEN LAKE MAINTENANCE BASE CLIENT: HERONS GLEN RECREATION DISTRICT LAKE 24 LITTORALS

NO.	DATE	REVISIONS

FLORIDA CERTIFICATE OF AUTORIZATION #22014028  
 4000  
 4000 WASH  
 3335  
 JAMES M. BEY, P.E.  
 E.L. LICENSE #20435  
 SET NUMBER: 1141-101-01  
 SHEET: 31



SHORELINE	
TOTAL LAKE SHORELINE	188 LF
HATCHED SHORELINE	0 LF - 0%
PERMITTED LITTORAL	0 LF
EXISTING LITTORAL	80 LF - 21.7%
TOTAL # PLANTS	819

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING DRAINAGE
	PROPOSED DRAINAGE

VERTICAL ELEVATIONS BASED ON: NAVD-83

DATE PLOTTED: 08/08/2014 10:54:38 AM  
 PLOTTER: HP DesignJet 2445 LPS  
 PLOT SCALE: 1" = 4000'  
 PLOT SIZE: 36" x 48" (ANSI)  
 PLOT TITLE: 1141-101-01 SHEET 31  
 PLOT PATH: \\server\projects\1141-101-01\1141-101-01.dwg



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EXISTING LAKE #24  
CONTROL EL. 20.07  
MAX LAKE DEPTH 25'



WHEELLOCK DR

ATHENIAN LN

HOLE #17

EXISTING LAKE #27  
CONTROL EL. 20.07  
MAX LAKE DEPTH 25'

EXISTING LAKE #26  
CONTROL EL. 20.07  
MAX LAKE DEPTH 25'

EXISTING LAKE #25  
CONTROL EL. 20.07  
MAX LAKE DEPTH 25'

EXISTING LAKE #28  
CONTROL EL. 20.07  
MAX LAKE DEPTH 25'

EXISTING LAKE #29  
CONTROL EL. 20.07  
MAX LAKE DEPTH 25'

CAUTION: CONTRACTOR RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BEFORE COMMENCEMENT OF ANY UNDERGROUND WORK. ALL ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES.

SHORELINE	
TOTAL LAKE BOUNDARY	3,862.12'
PROPOSED SHORELINE	3,117.35'
PROPOSED LITTORALS	213.30'
EXISTING LITTORALS	386.04'
TOTAL SLOPE	1,315.86'

LEGEND	
(Symbol)	EXISTING CONTOUR
(Symbol)	PROPOSED CONTOUR
(Symbol)	EXISTING DRAINAGE
(Symbol)	PROPOSED DRAINAGE



DEVELOPMENT ORDER PERMIT PLANS FOR  
**HERONS GLEN LAKE**  
**MAINTENANCE BASE**  
CLIENT: HERONS GLEN RECREATION DISTRICT

LAKE 25 - 29 LITTORALS

REVISIONS

NO.	DATE	DESCRIPTION



JAMES M. DIX, P.E.  
FL LICENSE NO. 37238  
SET NUMBER: 1141-101-01

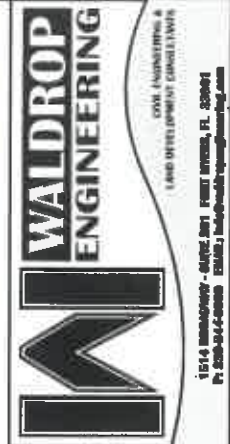
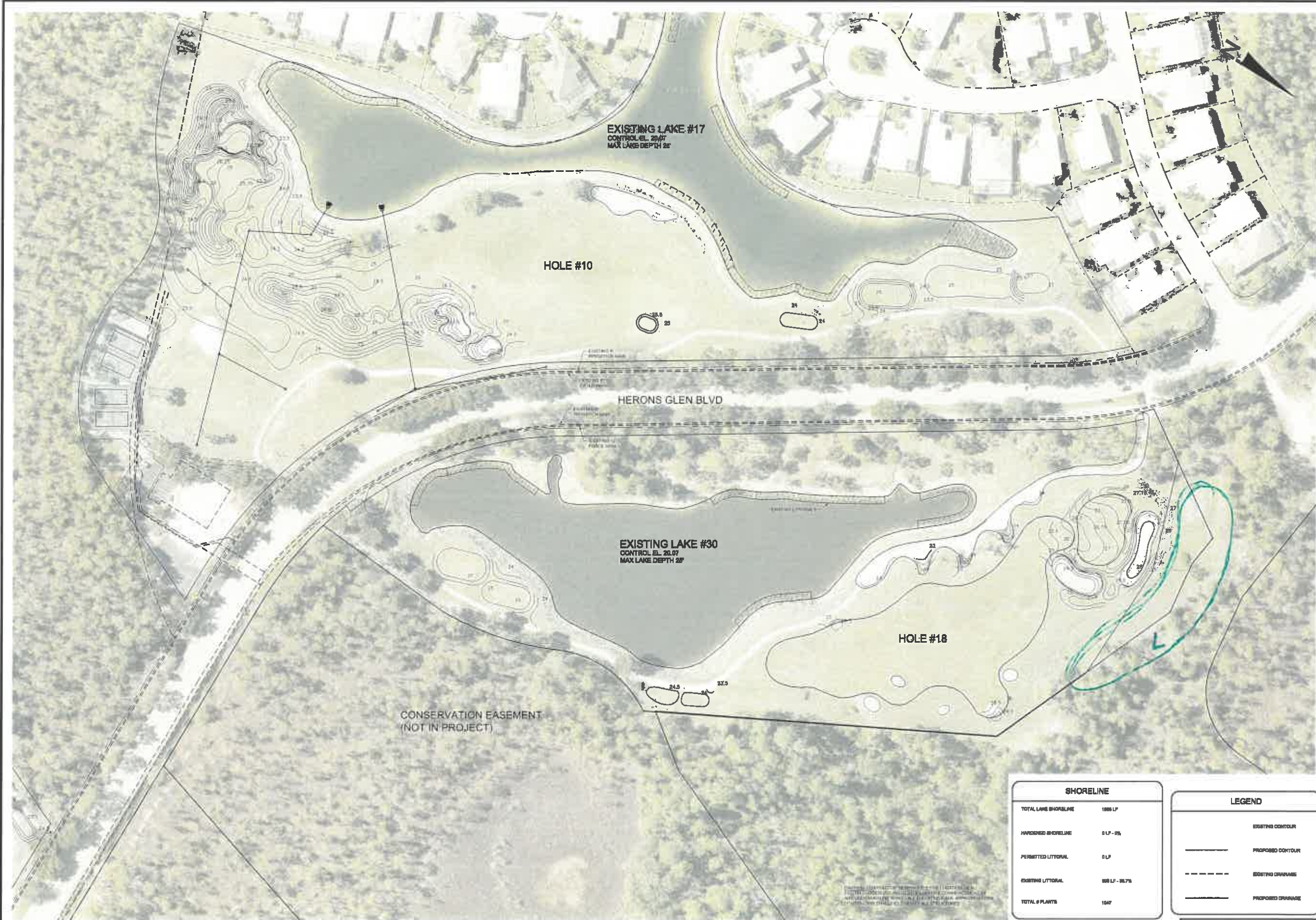
VERTICAL ELEVATIONS BASED ON: NAVD-88

SHEET: 33

1814 UNIVERSITY - SUITE 202 - WEST MIAMI, FL 33141  
PHONE: 305-886-0000 FAX: 305-886-0001  
WWW.WALDROPENGINEERING.COM



P:\Projects\1141-101-01\1141-101-01.dwg  
 11/11/2020 10:58:33 AM  
 James M. Dyer, P.E.  
 1141-101-01.dwg  
 11/11/2020 10:58:33 AM



DEVELOPMENT ORDER PERMIT PLANS FOR  
**HERONS GLEN LAKE**  
**MAINTENANCE BASE**  
 CLIENT: HERONS GLEN RECREATION DISTRICT  
 LAKE 30 LITTORALS

SHORELINE	
TOTAL LAKE SHORELINE	1886 LF
HARDENED SHORELINE	0 LF - 0%
PERMITTED LITTORAL	0 LF
EXISTING LITTORAL	888 LF - 47.1%
TOTAL # PLANTS	1047

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING DRAINAGE
	PROPOSED DRAINAGE

PLAN REVISIONS  
 0 30 60 120  
 SCALE IN FEET  
 FLORIDA CERTIFICATE OF AUTHORIZATION #866  
 1920  
 +5400 MUH-T GRASS  
 JAMES M. DYER, P.E.  
 LICENSE #20,919  
 SET NUMBER: 1141-101-01  
 SHEET: 38

VERTICAL ELEVATIONS BASED ON: NAVD-88