

Plotted By: Wisman, Drew. Sheet: Set:LAKE MANATEE WATERSHED IMPROVEMENTS PROJECT PHASE 2B (PART 1). Layout: C10 COVER SHEET. March 26, 2025. 05:06:44pm. K:\LAK-Civil\013735000 Duette Pres\Cadd\PlanSheets\C10 COVER SHEET.dwg
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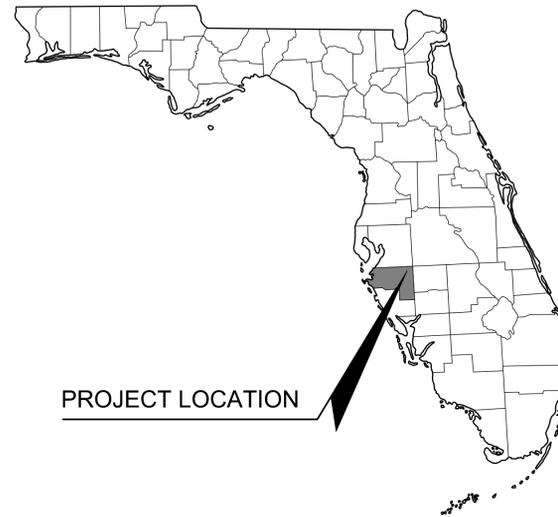
100% PLANS

FOR

LAKE MANATEE WATERSHED IMPROVEMENTS PROJECT PHASE 2B (PART 1)

(MANATEE COUNTY WORK ASSIGNMENT #CO6006508)

MARCH 2025



PROJECT LOCATION

PROJECT CONTACTS

OWNER/APPLICANT:
 MANATEE COUNTY BOARD OF COUNTY COMMISSIONERS
 MANATEE COUNTY PARKS AND NATURAL RESOURCES DEPARTMENT
 PO BOX 100
 BRADENTON, FLORIDA 34205
 CONTACT: CHARLIE HUNSICKER
 PHONE: (941) 742-5923

ENGINEER:
 KIMLEY-HORN AND ASSOCIATES, INC.
 109 KENTUCKY AVENUE
 LAKELAND, FL 33801
 PHONE: 704-333-5131
 CONTACT: ROBERT "BO" CONERLY, P.E.

ENVIRONMENTAL SCIENTIST:
 MANATEE COUNTY BOARD OF COUNTY COMMISSIONERS
 1112 MANATEE AVENUE WEST, SUITE 203
 BRADENTON, FL 34205
 PHONE: (941)-742-5980
 CONTACT: ALISSA POWERS P.W.S.

SURVEYOR:
 PARK COSTAL SURVEYING, LLC
 470 TREASURE ROAD
 VENICE, FLORIDA 34293
 PHONE: 941-493-7060
 CONTACT: TRAVIS D. PARK P.S.M.

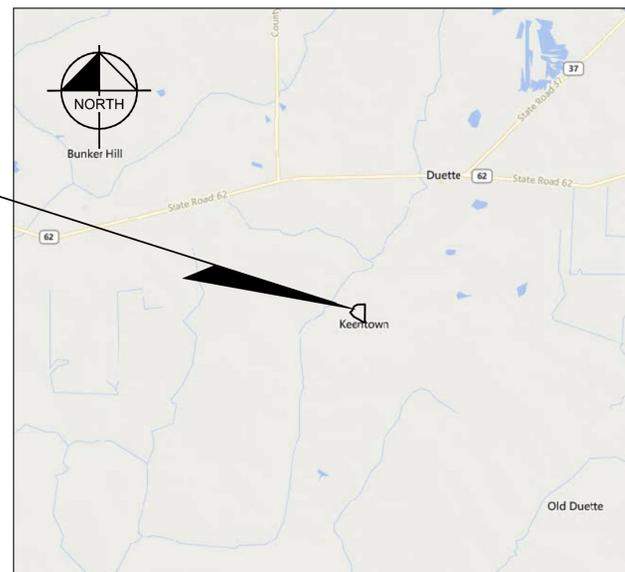
LIDAR SOURCE:
 SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
 PHONE: 352-796-7211

FLORIDA POWER AND LIGHT:
 PHONE: 941-776-5200

SECTION 31, TOWNSHIP 33 SOUTH, RANGE 22 EAST

27°34'09.49"N 82°08'14.25"W

PROJECT LOCATION



VICINITY MAP

N.T.S.

Sheet List Table	
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C10	COVER SHEET
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L2	LANDSCAPE DETAILS

GENERAL SITE CONSTRUCTION NOTES

1. THE PURPOSE OF THIS PROJECT IS ECOLOGICAL RESTORATION. THE CONTRACTORS WORKING ON THIS SITE SHALL TAKE GREAT CARE IN AVOIDING UNNECESSARY IMPACTS TO WETLAND, VEGETATION, AND ANIMALS.
2. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED PRIOR TO BIDDING TO CONDUCT INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT MAY BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED.
3. THE CONTRACTOR SHALL OBTAIN AND/OR VERIFY EXISTENCE OF ALL REQUIRED PERMITS PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS NOT FURNISHED BY THE OWNER.
4. PRIOR TO THE START OF CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY "SUNSHINE STATE ONE CALL (1-800-432-4770)", MANATEE COUNTY PUBLIC WORKS DEPARTMENT, FLORIDA POWER & LIGHT, VERIZON AND ANY OTHER UTILITIES (ELECTRIC, PHONE, GAS, CABLE, ETC.) IT IS THE CONTRACTORS RESPONSIBILITY TO TO PROTECT EXISTING UTILITIES FROM DAMAGE.
5. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH NRCS STANDARDS AND SPECIFICATIONS.
6. IF HUMAN REMAINS OR ARCHEOLOGICAL ARTIFACTS ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR MUST STOP WORK IMMEDIATELY AND PROMPTLY NOTIFY THE PROJECT MANAGER.
7. THE CONTRACTOR SHALL NOT ENTER UPON, OR ALTER THE WETLAND PRESERVE AREAS THAT MAY BE ONSITE OR DIRECTLY ADJACENT TO THE PROJECT AREA EXCEPT AS NOTED IN THESE DRAWINGS. ALL WORK PERFORMED IN THE VICINITY OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINE RESULTING FROM VIOLATION OF PERMIT CONDITIONS.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO CALCULATE AND VERIFY ALL CUT AND FILL QUANTITIES OF EARTHWORK FOR THE PROJECT. A BULKING FACTOR SHOULD BE TAKEN INTO ACCOUNT WHEN FIGURING VOLUMES OF FILL PLACEMENT.
9. IMMEDIATELY BEFORE REQUESTING FINAL INSPECTIONS, THE CONTRACTOR SHALL CHECK ALL LINES AND DRESS TO THE PROPER GRADES/CONTOURS. ALL AREAS ARE TO BE STABILIZED AND MAINTAINED UNTIL SPECIFIED. THE CONTRACTOR SHALL MAKE ALLOWANCES WHEN ROUGH GRADING FOR THE FINISHED GRADES IN THESE AREAS.
10. POST GRADING SOIL CONDITIONS SHALL BE APPROPRIATE FOR PLANTING WITH LIMITED COMPACTION AS DETERMINED BY THE PROJECT ECOLOGIST.
11. ANY DISTURBED AREA WILL BE SEEDED/MULCHED, HYDROSEEDDED, OR SODDED OR PLANTED WITH MATERIALS AS SPECIFIED IN THE PLANS.
12. ALL PLANT MATERIAL TO BE INSTALLED SHALL BE HEALTHY, IN GOOD CONDITION, FREE FROM DISEASE AND APPROVED BY A QUALIFIED ECOLOGIST PRIOR TO INSTALLATION.
13. DURING CONSTRUCTION OF SPOIL REMOVAL SITES, WORK WILL BE DONE FORM UPLANDS TO THE EXTENT POSSIBLE. IN AREAS WHERE EQUIPMENT IS USED TO PERFORM SPOIL REMOVAL IS REQUIRED TO CROSS WETLANDS/WATERS OF THE UNITED STATES THE PROJECT ECOLOGIST WILL MONITOR THE OPERATION AND ENSURE MINIMAL DAMAGE TO SOIL AND VEGETATION OCCURS. NO EXCAVATED MATERIAL WILL BE PLACED IN WETLANDS AND ANY ALTERATIONS TO GRADE FROM SPOIL REMOVAL WILL BE REPAIRED.
14. NO DEWATERING IS PROPOSED. IF DEWATERING IS TO OCCUR, PRIOR APPROVAL FROM SWFWMD WILL BE OBTAINED BY CONTRACTOR.

PREPARED BY

Kimley»Horn

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 CA00000696

THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED UNDER THE DIRECTION OF A FLORIDA REGISTERED SURVEYOR. AUTOCAD FILES WILL BE FURNISHED TO AID IN THE SITE CONSTRUCTION STAKEOUT. ANY DISCREPANCIES FOUND BETWEEN AUTOCAD FILES AND SITE CONSTRUCTION PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO THAT STAKEOUT.

CALL 2 WORKING DAYS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley»Horn

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KHA PROJECT	013735000
DATE	AUGUST 2025
SCALE	AS SHOWN
DESIGNED BY	RBC
DRAWN BY	JJS
CHECKED BY	RBC

COVER SHEET

LAKE MANATEE WATERSHED
 IMPROVEMENTS PROJECT
 PHASE 2B (PART 1)
 PREPARED FOR
 MANATEE COUNTY

SHEET NUMBER

C10

No.	REVISIONS	DATE	BY

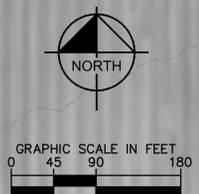
Plotted By: Wisman, Drew Street: SELL LAKE MANATEE WATERSHED IMPROVEMENTS PROJECT PHASE 2B (PART 1) - Layout: C30 - EXISTING CONDITIONS March 26, 2025 05:07:47pm K:\LAK_Civil\013735000 Duetto_Pres\Cadd\PlanSheets\C30 - EXISTING CONDITIONS.dwg
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LEGEND	
	APPROX. DITCH LIMITS
	EXISTING CONTOUR
	EXISTING WETLAND LINE
	PROJECT BOUNDARY
	EXISTING OUTLET PIPES
	25' WETLAND BUFFER

SURVEY NOTES

- BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON GRID NORTH OF THE NORTH AMERICAN DATUM OF 1983 (2011) FLORIDA WEST ZONE, AS PER THE FLORIDA PERMANENT REFERENCE NETWORK (FPRN).
- THIS IS A SPECIFIC PURPOSE SURVEY, NOT A BOUNDARY SURVEY AND SAID SURVEY IS SUBJECT TO PERTINENT EASEMENTS, RIGHTS OF WAY AND RESTRICTIONS OF RECORD, IF ANY.
- THE LOCATION OF UNDERGROUND UTILITIES SHOWN WERE PROVIDED BY A THIRD PARTY AND PCS DOES NOT WARRANTY THEIR VALIDITY AND/OR ACCURACY AND ADDITIONAL UTILITIES MAY OR MAY NOT BE IN THE SURVEY AREA.
- THIS SURVEY DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF THE PARTY OR PARTIES NAMED IN THE CONTRACT FOR THIS PROJECT FOR THE EXPRESS PURPOSE STATED HEREON AND/OR CONTAINED IN THE SAID CONTRACT BETWEEN PARK COASTAL SURVEYING, LLC. AND THE CLIENT FOR THIS PROJECT. COPYING, DISTRIBUTING, AND/OR USING THIS DRAWING, IN WHOLE OR IN PART FOR ANY PURPOSE OTHER THAN ORIGINALLY INTENDED WITHOUT WRITTEN CONSENT FROM PARK COASTAL SURVEYING, LLC. (PCS) IS STRICTLY PROHIBITED, AND RENDERS THE SURVEYORS CERTIFICATION, SIGNATURE, AND SEAL NULL AND VOID. ANY QUESTIONS CONCERNING THE CONTENT OR PURPOSE OF THIS DRAWING SHOULD BE DIRECTED TO PARK COASTAL SURVEYING, LLC.
- THE SURVEY DEPICTED HEREON IS NOT INTENDED TO SHOW THE LOCATION OR EXISTENCE OF ANY WETLAND OR JURISDICTIONAL AREAS.
- ELEVATIONS SHOWN HERE ON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AS PER THE NGS BENCHMARKS "H709" PID DL5603 PUBLISHED ELEVATION = 128.99' AND "22.8 300 G" PID DE9100 PUBLISHED ELEVATION 119.41'.
- ELEVATIONS SHOWN HERE ON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), AND TO CONVERT FROM NAVD88 TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD) = NAVD88 + 0.91, PER CORPSCON 6.0.1.
- SURVEY INFORMATION SHOWN WAS COLLECTED WITH EITHER A TRIMBLE R8 GPS/GNSS RTK SYSTEM OR A TRIMBLE ROBOTIC TOTAL STATION.
- THE SURVEY WAS CONDUCTED OVER THE FOLLOWING DATE RANGE: 11/06/2020
- FENCE OWNERSHIP IS UNDETERMINED.
- THIS PROPERTY LIES IN FLOOD ZONE "X" AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP; COMMUNITY MAP NO. 12081C 0340 E, DATED FEBRUARY 15th 1984, SUBJECT TO VERIFICATION.
- INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED AT THE DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.



No.	REVISIONS	DATE	BY

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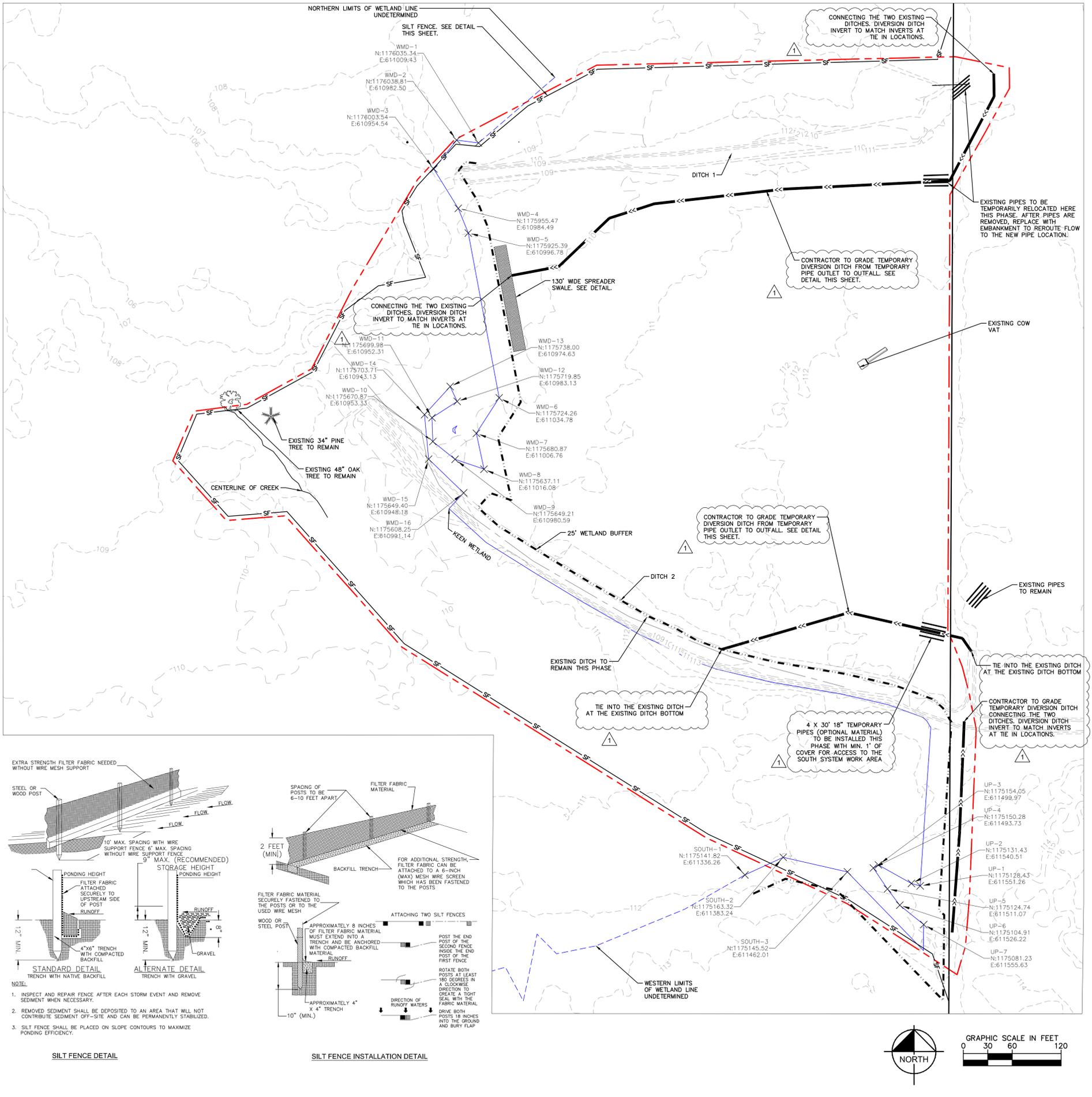
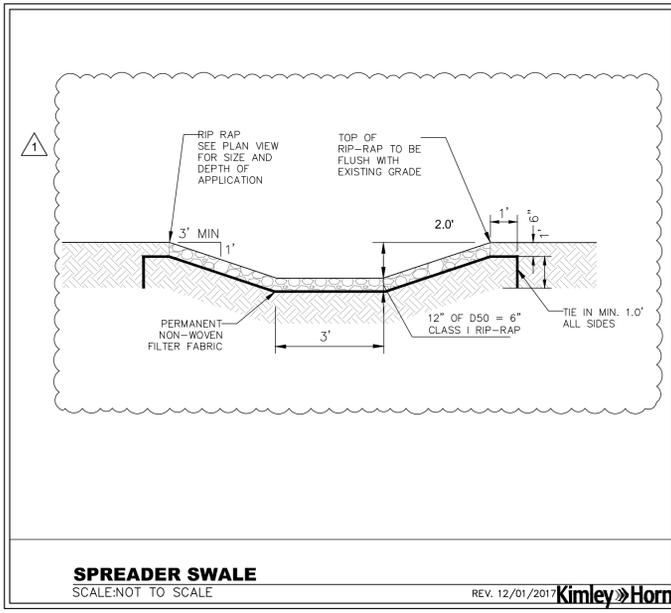
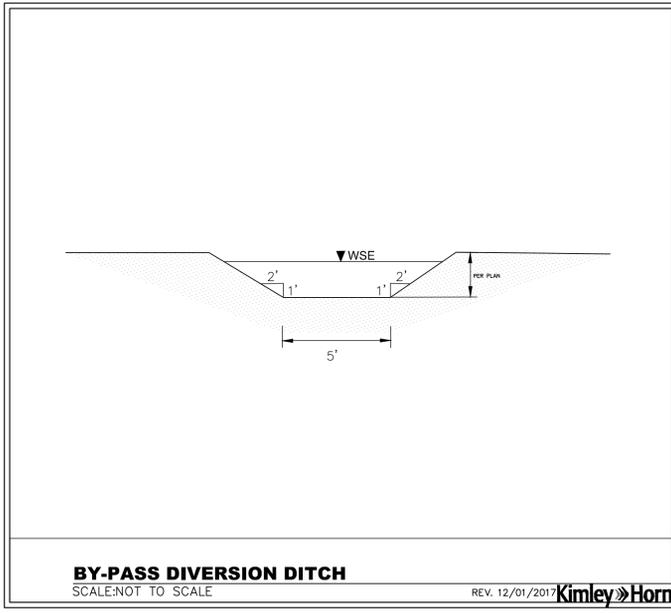
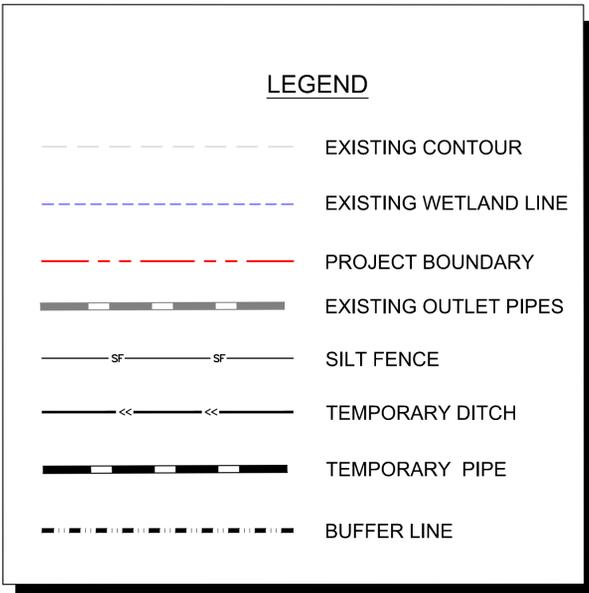
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KHA PROJECT	013735000
DATE	AUGUST 02 2025
SCALE AS SHOWN	AS SHOWN
DESIGNED BY	RBC
DRAWN BY	DMS
CHECKED BY	RBC

EXISTING CONDITIONS

LAKE MANATEE WATERSHED IMPROVEMENTS PROJECT PHASE 2B (PART 1) PREPARED FOR MANATEE COUNTY FL

Plotted By: Wisman, Draw: Street Settlement MANATEE WATERSHED IMPROVEMENTS PROJECT PHASE 2B (PART 1) - DETAILED GRADING AND DRAINAGE PLAN PHASE 1 - March 26, 2025 - 05:09:30pm - K:\LAK_CIVIL\013735000 Duetta Fresh\Cadd\PlanSheets\C41 - DETAILED GRADING AND DRAINAGE PLAN.dwg
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KHA PROJECT	013735000	DATE	AUGUST 2025	SCALE	AS SHOWN
DESIGNED BY	RBC	DRAWN BY	BW/M	CHECKED BY	RBC

DETAILED GRADING AND DRAINAGE PLAN PHASE 1

LAKE MANATEE WATERSHED IMPROVEMENTS PROJECT PHASE 2B (PART 1)
PREPARED FOR
MANATEE COUNTY

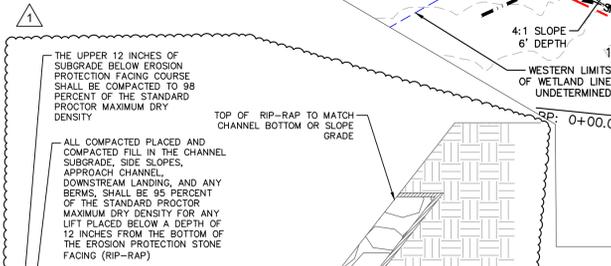
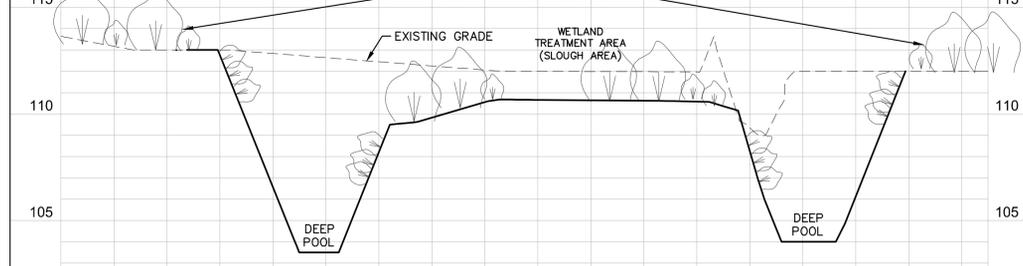
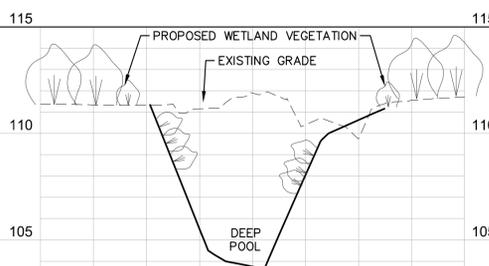
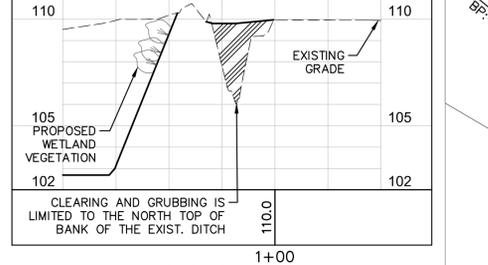
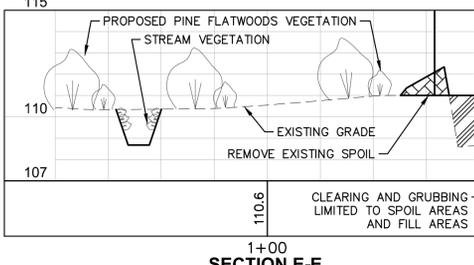
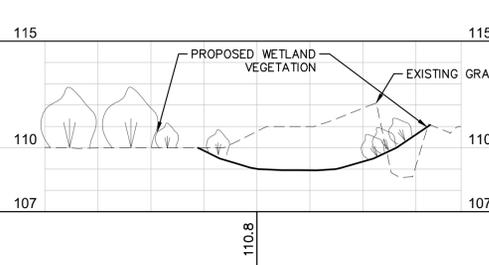
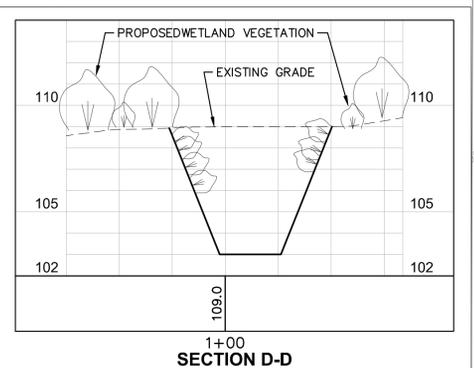
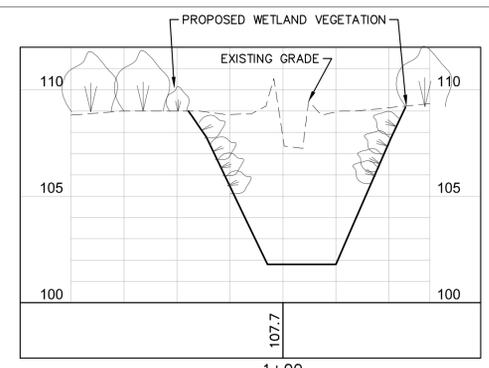
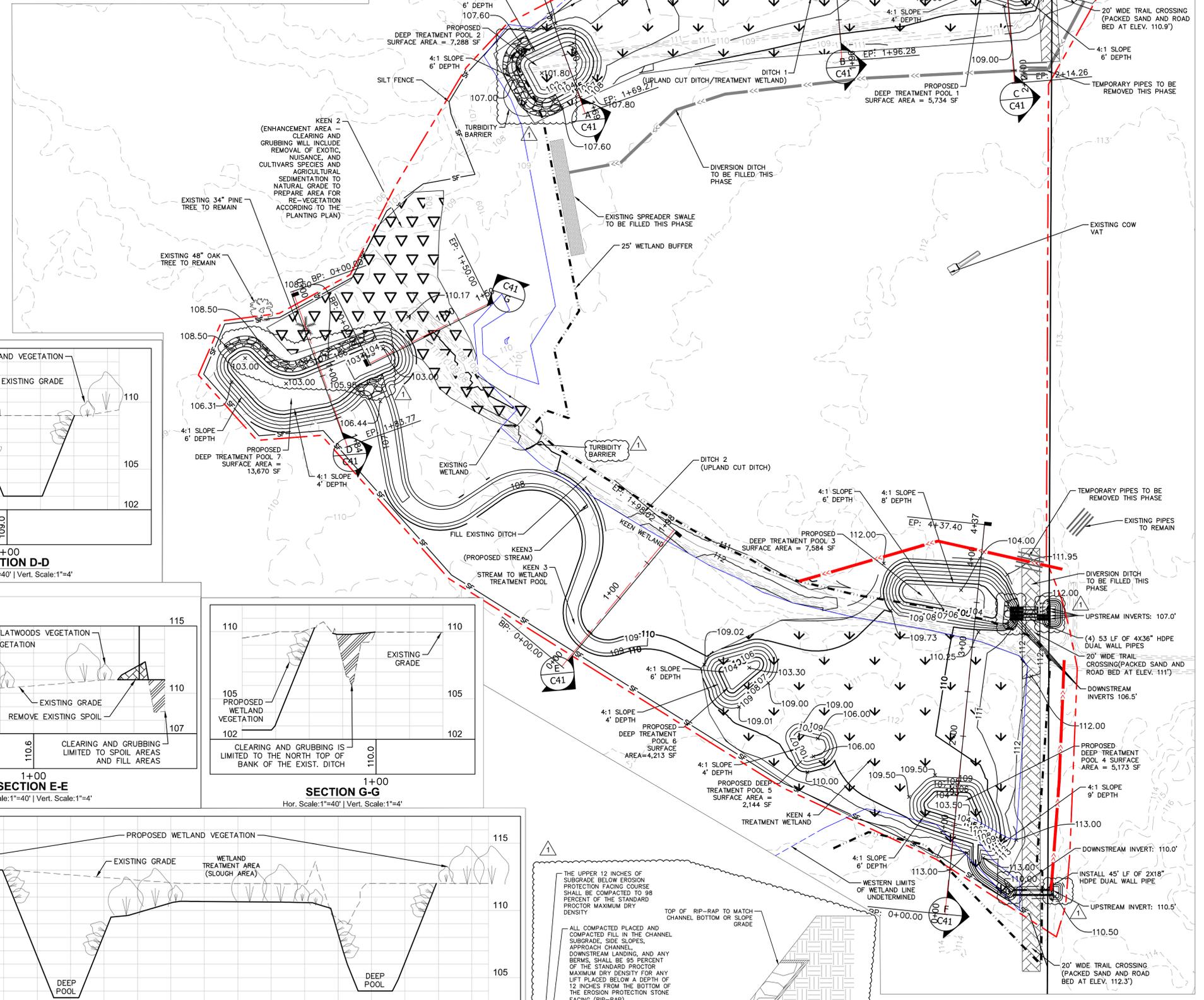
MANATEE COUNTY

SHEET NUMBER
C41

	CUT (CY)	FILL (CY)	INSIDE WETLAND (SQ FT)	INSIDE BUFFER (SQ FT)	UPLAND CUT (SQ FT)
DITCH 1	4,440	245	0	1,160	62,617
DITCH 2	1,690	890	59	13,950	15,053
KEEN 2	1	251	19,003	235	0
KEEN 3	3,551	1	35,560	234	0
KEEN 4	5,530	31	65,386	5,998	301

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING WETLAND LINE
- PROPOSED RIP-RAP
- PROPOSED WETLAND TREATMENT AREA
- PROPOSED WETLAND ENHANCEMENT AREA
- PROPOSED TRAIL CROSSING
- PROJECT BOUNDARY
- EXISTING OUTLET PIPES
- SILT FENCE
- TURBIDITY BARRIER
- PROPOSED PIPE
- BUFFER LINE



NO.	REVISIONS	DATE	BY
1	UPDATES: BID REF. NO. 1	03/26/25	RBC

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KHA PROJECT	DATE	SCALE	AS SHOWN	DESIGNED BY	RBC	DRAWN BY	BWM	CHECKED BY	RBC
013735000	AUGUST 2025	AS SHOWN							

DETAILED GRADING AND DRAINAGE PLAN PHASE 2

LAKE MANATEE WATERSHED IMPROVEMENTS PROJECT PHASE 2B (PART 1)
PREPARED FOR
MANATEE COUNTY
MANATEE COUNTY
SHEET NUMBER
C42

Plotted By: Wisman, Draw: Sheet: Settlement: Watershed Improvements Project Phase 2B (Part 1), 10/06/2025, Detailed Grading and Drainage Plan Phase 2, March 26, 2025, 05:10:22pm, K:\VLA_CVA\013735000_Duette_Frae_Cadd\PlanSheets\C42-Detailed Grading and Drainage Plan.dwg, © 2024 KIMLEY-HORN AND ASSOCIATES, INC. All rights reserved. This document is the property of Kimley-Horn and Associates, Inc. and is not to be distributed, copied, or used in any way without the written authorization of Kimley-Horn and Associates, Inc.