

*Valencia Water
Control District*

Agenda

April 12, 2022

AGENDA

**VALENCIA WATER CONTROL DISTRICT
NOTICE OF MEETING
OF
BOARD OF SUPERVISORS**

Please be advised that the Meeting of the Board of Supervisors of Valencia Water Control District will be held on Tuesday, April 12, 2022 at 1:00 P.M. in the **Lake Ridge Village Clubhouse, 10630 Larissa Street (Directions listed below)**. Attached is an Agenda for the meeting.



George S. Flint, District Director

DIRECTIONS TO MEETING:

From Orlando go West on I-4 to the Beach Line Expressway (528); go east past International Drive to Orangewood Blvd.; Go South on Orangewood Blvd., through 4-way stop at Gateway, turn left on Larissa Street. Proceed to Lake Ridge Village Clubhouse on right.

DISTRIBUTION

Roy Miller; William Ingle; Ed Neal; Debra Donton; Brian Andreleczyk; David E. Mahler; Stephen F. Broome; Green Briar Village Clubhouse; Lake Ridge Village Clubhouse; Lime Tree Village Clubhouse; Montpelier Village Clubhouse; Parkview Pointe Village Clubhouse; Somerset Village Clubhouse; Deer Creek Village Clubhouse; Wingate Club; Lyle Spector, WHOA; and Tom Johnson, Orangewood HOA; Roy Miller, Waterview HOA; and Ken LaFrance, Windsor Walk.

“Persons are advised that if they decide to appeal any decisions made at these meetings/hearings, they will need a record of the proceedings and for such purpose they may need to ensure that a verbatim record of the proceedings is made which includes the testimony and evidence upon which the appeal is to be based, per section 298.0105, Florida Statutes.”

“In accordance with the Americans with Disabilities Act, persons with disabilities needing a special accommodation should contact Valencia Water Control District at (407) 841-5524 x 101, not later than forty-eight hours prior to the meeting.”

AGENDA

April 12, 2022

VALENCIA WATER CONTROL DISTRICT
BOARD OF SUPERVISORS MEETING
1 P.M.

LAKE RIDGE VILLAGE CLUBHOUSE
10630 LARISSA STREET
WILLIAMSBURG, ORLANDO, FLORIDA 32821

Item

1. Call Meeting to Order
2. Public Comment Period
3. Approval of March 8, 2022 Minutes
4. General Fund Financial Reports
5. Engineer's Report
 - A. Consideration of Permit #0521 – Grande Pines Phase 3
6. Attorney's Report
7. Director's Report
 - A. Customer Call Log
 - B. Consideration of Proposals from Sthern Environmental Inc.
 - i. C-11 Gate Repair
 - ii. C-5 Canal Bank Stabilization
8. Other Business
 - a. Acknowledge Nominations (5-year term)
 - b. Appoint Proxy Agent
 - c. Establish Annual Landowners' Meeting Date – June 14, 2022
9. Adjournment

SECTION III

**MINUTES OF THE MONTHLY MEETING
OF THE BOARD OF SUPERVISORS
OF VALENCIA WATER CONTROL DISTRICT**

March 8, 2022

The regular meeting of the Board of Supervisors of **VALENCIA WATER CONTROL DISTRICT** was held at 1:00 P.M. on Tuesday, March 8, 2022 at the Lake Ridge Village Clubhouse, 10630 Larissa Street, Orlando, Florida. Physically present were Supervisors Roy Miller, Brian Andrelczyk, and Debra Donton. Also, in attendance were the following: George S. Flint, District Director; David Mahler, District Engineer; Dan Brown, Sthern Environmental; Stacie Vanderbilt, District Administrative Assistant.

ITEM #1 **Call Meeting to Order**

Mr. Flint called the meeting to order at 1:01 PM. A quorum of three Board members was present.

ITEM #2 **Public Comment Period**

There being none,

ITEM #3 **Approval of February 8, 2022 Minutes**

Mr. Flint stated the next item was the minutes from the February 8, 2022 meeting. He asked if there were any corrections, deletions, or additions.

On MOTION by Mr. Andrelczyk, seconded by Ms. Donton with all in favor, the Minutes from February 8, 2022 Monthly Meeting were approved as presented.
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ITEM #4 **General Fund Financial Reports**

Mr. Flint reviewed the report with the Board. He stated that there are plenty of reserves and more funds will go into the CIP. Taxes are being received and March is the final month of collection.

ITEM #5 **Engineer's Report**

A. Consideration of Proposal for Stormwater Needs Analysis

Mr. Flint stated that Mr. Mahler advised this could be handled under the current budget with the annual NPDES report that will be done in June. Another proposal wouldn't be needed.

Mr. Flint went over the new statutory requirements of the report with the Board.

Mr. Mahler stated that most of the items had already been done because the ponds were reviewed, and they would just need to be compiled for this report.

Mr. Flint stated that legislation stemmed from an issue in Tampa where a pond failed and caused major damage that the State ultimately had to pay for and repair. This prompted the new rules.

Mr. Miller asked how major repairs are determined.

Mr. Mahler explained how the ponds are determined needing major repairs and if the entity would have the funds to fix them if necessary.

Mr. Miller asked how sediment is measured or used to reshape banks.

Mr. Mahler stated that C-10 was a good example because sometimes it breaks down over time from rain. Other instances it has to be taken out and reshaped. Most times it is pulled up and used to reshape banks.

Item #6

Attorney's Report

There being none,

Item #7

Director's Report

A. Call Log

No calls received the past month.

Item #8

Other Business

Mr. Flint stated that Ms. Finkelstein reached out to the County Commissioner and got some response from the Sheriff's Office that they will increase patrols. He was contacted by the area supervisor to give the Orange County Sheriff's Office the right to trespass individuals caught on/in the District's waterways. He gave a notarized letter to them last month.

Mr. Miller updated the rest of the Board on the issue with trespassing and said the Sheriffs showed up an hour or so after the people left. He added that the HOAs have started to inform their residents not to fish or put boats in the ponds and they said they will start to call the police when they see someone. He stated that the signs are helping because there is no area that isn't covered by a sign and it's a great start.

Item #9

Adjournment

The meeting was adjourned at 1:25 p.m.

Stephen F. Broome, Secretary

William Von Ingle

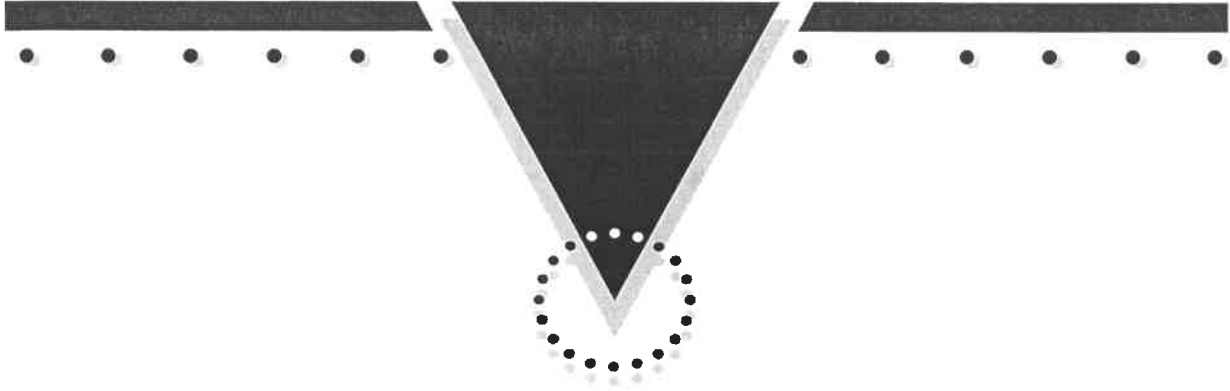
Ed Neal

Debra Donton

Roy Miller

Brian Andreleczyk

SECTION IV



**Valencia
Water Control District**

**Unaudited Financial Reporting
March 31, 2022**



Table of Contents

1	<hr/>	Balance Sheet
2-3	<hr/>	General Fund Income
4	<hr/>	Capital Reserve Fund
5-6	<hr/>	Month to Month
7	<hr/>	Assessment Receipt Schedule

VALENCIA
WATER CONTROL DISTRICT
BALANCE SHEET
March 31, 2022

	General Fund	Capital Reserve Fund	Totals 2022
ASSETS:			
<i>CURRENT ASSETS</i>			
OPERATING - SUNTRUST	\$507,719	---	\$507,719
CAPITAL RESERVE - SUNTRUST	---	\$55,654	\$55,654
<i>INVESTMENTS</i>			
SBA - CAPITAL RESERVES	---	\$571,718	\$571,718
SBA - OPERATING RESERVES	\$52,678	---	\$52,678
PETTY CASH	\$100	---	\$100
TOTAL CURRENT ASSETS	\$560,497	\$627,371	\$1,187,868
<i>FIXED ASSETS</i>			
LAND	\$700,120	---	\$700,120
STRUCTURES	\$672,531	---	\$672,531
CANALS	\$2,888,690	---	\$2,888,690
PONDS	\$1,245,537	---	\$1,245,537
EQUIPMENT & OFFICE FURNITURE	\$12,767	---	\$12,767
ACCUMULATED DEPRECIATION	(\$4,777,731)	---	(\$4,777,731)
TOTAL FIXED ASSETS	\$741,914	\$0	\$741,914
TOTAL ASSETS	\$1,302,411	\$627,371	\$1,929,783
LIABILITIES:			
ACCOUNTS PAYABLE	---	---	\$0
FUND EQUITY:			
<i>FUND BALANCES:</i>			
UNASSIGNED	\$560,497	\$627,371	\$1,187,868
NET ASSETS CAPITALIZED	\$741,914	---	\$741,914
TOTAL LIABILITIES & FUND EQUITY	\$1,302,411	\$627,371	\$1,929,783

VALENCIA

WATER CONTROL DISTRICT

GENERAL FUND

Statement of Revenues & Expenditures

For The Period Ending March 31, 2022

	ADOPTED BUDGET	PRORATED BUDGET THRU 3/31/22	ACTUAL THRU 3/31/22	VARIANCE
<u>REVENUES:</u>				
ASSESSMENTS - TAX ROLL	\$553,302	\$463,251	\$463,251	\$0
INTEREST	\$125	\$63	\$56	(\$7)
TOTAL REVENUES	\$553,427	\$463,313	\$463,306	\$49
<u>EXPENDITURES:</u>				
<u>ADMINISTRATIVE:</u>				
SUPERVISORS FEES	\$2,500	\$1,250	\$650	\$600
ENGINEERING	\$37,200	\$18,600	\$11,335	\$7,265
ATTORNEY	\$12,000	\$6,000	\$6,000	\$0
ANNUAL AUDIT	\$5,200	\$0	\$0	\$0
ASSESSMENT ROLL CERTIFICATION	\$2,500	\$2,500	\$2,500	\$0
MANAGEMENT FEES	\$50,264	\$25,132	\$25,132	(\$0)
INFORMATION TECHNOLOGY	\$1,050	\$525	\$525	\$0
WEBSITE ADMINISTRATION	\$600	\$300	\$300	\$0
INSURANCE	\$13,050	\$13,050	\$12,258	\$792
REPORT PREPARATION - NPDES	\$15,000	\$7,500	\$2,931	\$4,569
OFFICE LEASE	\$12,980	\$6,490	\$6,490	(\$0)
PRINTING & BINDING	\$500	\$250	\$135	\$115
POSTAGE	\$500	\$250	\$104	\$146
TRAVEL PER DIEM	\$100	\$50	\$0	\$50
LEGAL ADVERTISING	\$2,500	\$1,250	\$0	\$1,250
BANK FEES	\$150	\$75	\$230	(\$155)
OTHER CURRENT CHARGES	\$400	\$200	\$0	\$200
OFFICE SUPPLIES	\$750	\$375	\$38	\$337
ELECTION FEES	\$3,600	\$0	\$0	\$0
MEETING RENTAL FEE	\$500	\$250	\$150	\$100
PROPERTY APPRAISER FEE	\$5,408	\$0	\$0	\$0
DUES, LICENSES & SUBSCRIPTIONS	\$2,150	\$1,675	\$1,675	\$0
TOTAL ADMINISTRATIVE	\$168,902	\$85,722	\$70,452	\$15,270

VALENCIA

WATER CONTROL DISTRICT

GENERAL FUND

Statement of Revenues & Expenditures

For The Period Ending March 31, 2022

	ADOPTED BUDGET	PRORATED BUDGET THRU 3/31/22	ACTUAL THRU 3/31/22	VARIANCE
<u>FIELD OPERATIONS:</u>				
<u>UTILITIES:</u>				
ELECTRIC	\$750	\$375	\$179	\$196
WATER & SEWER	\$500	\$250	\$165	\$85
<u>CONTRACTS:</u>				
AQUATIC WEED CONTROL	\$40,000	\$20,000	\$13,932	\$6,068
MOWING	\$98,289	\$19,079	\$19,079	\$0
WATER QUALITY MONITORING	\$19,746	\$9,873	\$8,228	\$1,646
<u>REPAIRS & MAINTENANCE:</u>				
CANAL & RETENTION POND MAINTENANCE	\$85,000	\$42,500	\$9,545	\$32,955
OFFICE	\$500	\$250	\$90	\$160
SECURITY GATES & SIGNS	\$750	\$375	\$0	\$375
<u>OTHER:</u>				
NPDES INSPECTION & FEES	\$6,000	\$3,000	\$1,875	\$1,125
OPERATING SUPPLIES	\$500	\$250	\$0	\$250
CONTINGENCY	\$2,500	\$1,250	\$0	\$1,250
TOTAL FIELD OPERATIONS	\$254,535	\$97,201	\$53,093	\$44,109
<u>OTHER USES</u>				
TRANSFER OUT - CAPITAL RESERVE (CY)	\$233,255	\$0	\$0	\$0
TOTAL OTHER USES	\$233,255	\$0	\$0	\$0
TOTAL EXPENDITURES	\$656,691	\$182,923	\$123,544	\$59,379
EXCESS REVENUES (EXPENDITURES)	(\$103,264)		\$339,762	
FUN D BALANCE - Beginning	\$103,264		\$962,650	
FUN D BALANCE - Ending	(\$0)		\$1,302,411	

VALENCIA

WATER CONTROL DISTRICT

CAPITAL RESERVE FUND

Statement of Revenues & Expenditures

For The Period Ending March 31, 2022

	ADOPTED BUDGET	PRORATED BUDGET THRU 3/31/22	ACTUAL THRU 3/31/22	VARIANCE
<u>REVENUES:</u>				
TRANSFER IN	\$233,255	\$0	\$0	\$0
INTEREST	\$200	\$100	\$439	\$339
TOTAL REVENUES	\$233,455	\$100	\$439	\$339
<u>EXPENDITURES:</u>				
<u>EXPENDITURES</u>				
CONTINGENCY	\$0	\$0	\$204	(\$204)
CAPITAL IMPROVEMENTS	\$100,000	\$50,000	\$0	\$50,000
TOTAL EXPENDITURES	\$100,000	\$50,000	\$204	\$49,796
EXCESS REVENUES (EXPENDITURES)	\$133,455		\$235	
FUN D BALANCE - Beginning	\$548,386		\$627,137	
FUN D BALANCE - Ending	\$681,841		\$627,371	

VALENCIA
Water Control District

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Total
REVENUES:													
ASSESSMENTS - TAX ROLL	\$0	\$26,034	\$197,548	\$98,170	\$93,796	\$47,703	\$0	\$0	\$0	\$0	\$0	\$0	\$463,251
INTEREST	\$6	\$6	\$8	\$10	\$10	\$17	\$0	\$0	\$0	\$0	\$0	\$0	\$56
TOTAL REVENUES	\$6	\$26,039	\$197,556	\$98,180	\$93,805	\$47,720	\$0	\$0	\$0	\$0	\$0	\$0	\$463,306

EXPENDITURES:

ADMINISTRATIVE:

SUPERVISORS FEES	\$0	\$0	\$250	\$0	\$700	\$200	\$0	\$0	\$0	\$0	\$0	\$0	\$650
ENGINEERING	\$2,935	\$2,100	\$2,100	\$2,100	\$2,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,335
ATTORNEY	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
ANNUAL AUDIT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ASSESSMENT ROLL CERTIFICATION	\$2,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500
MANAGEMENT FEES	\$4,189	\$4,189	\$4,189	\$4,189	\$4,189	\$4,189	\$0	\$0	\$0	\$0	\$0	\$0	\$25,132
INFORMATION TECHNOLOGY	\$88	\$88	\$88	\$88	\$88	\$88	\$0	\$0	\$0	\$0	\$0	\$0	\$525
WEBSITE ADMINISTRATION	\$50	\$50	\$50	\$50	\$50	\$50	\$0	\$0	\$0	\$0	\$0	\$0	\$300
INSURANCE	\$12,258	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,258
REPORT PREPARATION - NPDES	\$0	\$1,496	\$1,170	\$265	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,931
OFFICE LEASE	\$1,082	\$1,082	\$1,082	\$1,082	\$1,082	\$1,082	\$0	\$0	\$0	\$0	\$0	\$0	\$6,490
PRINTING & BINDING	\$89	\$3	\$0	\$43	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$135
POSTAGE	\$46	\$5	\$3	\$44	\$6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$104
TRAVEL PER DIEM	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
LEGAL ADVERTISING	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
BANK FEES	\$43	\$31	\$44	\$39	\$43	\$31	\$0	\$0	\$0	\$0	\$0	\$0	\$230
OTHER CURRENT CHARGES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OFFICE SUPPLIES	\$19	\$0	\$0	\$18	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38
ELECTION FEES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MEETING RENTAL FEE	\$0	\$0	\$50	\$0	\$0	\$50	\$0	\$0	\$0	\$0	\$0	\$0	\$150
PROPERTY APPRAISER FEE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DUES, LICENSES & SUBSCRIPTIONS	\$1,675	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,675
TOTAL ADMINISTRATIVE	\$25,972	\$10,042	\$10,024	\$8,918	\$8,807	\$6,689	\$0	\$0	\$0	\$0	\$0	\$0	\$70,452

VALENCIA
Water Control District

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Total
FIELD OPERATIONS:													
UTILITIES:													
ELECTRIC	\$49	\$36	\$17	\$16	\$30	\$30	\$0	\$0	\$0	\$0	\$0	\$0	\$179
WATER & SEWER	\$27	\$0	\$55	\$0	\$28	\$55	\$0	\$0	\$0	\$0	\$0	\$0	\$165
CONTRACTS:													
AQUATIC WEED CONTROL	\$2,322	\$2,322	\$2,322	\$2,322	\$2,322	\$2,322	\$0	\$0	\$0	\$0	\$0	\$0	\$13,892
MOWING	\$14,738	\$4,340	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,079
WATER QUALITY MONITORING	\$1,646	\$1,646	\$1,646	\$1,646	\$1,646	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,228
REPAIRS & MAINTENANCE:													
CANAL & RETENTION POND MAINTENANCE	\$1,000	\$6,545	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,545
OFFICE	\$0	\$45	\$0	\$0	\$45	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$90
SECURITY GATES & SIGNS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTHER:													
NIPDES INSPECTION & FEES	\$0	\$0	\$1,875	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,875
OPERATING SUPPLIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CONTINGENCY	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL FIELD OPERATIONS	\$19,782	\$14,934	\$6,915	\$4,984	\$4,071	\$2,408	\$0	\$0	\$0	\$0	\$0	\$0	\$53,093
OTHER USES:													
TRANSFER OUT - CAPITAL RESERVE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL OTHER USES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL EXPENDITURES	\$45,754	\$24,976	\$16,939	\$13,902	\$12,878	\$9,096	\$0	\$0	\$0	\$0	\$0	\$0	\$123,544
EXCESS REVENUES (EXPENDITURES)	(\$45,748)	\$1,063	\$180,617	\$84,278	\$60,938	\$38,624	\$0	\$0	\$0	\$0	\$0	\$0	\$339,762

**VALENCIA
WATER CONTROL DISTRICT**

SPECIAL ASSESSMENT RECEIPTS - FY2022

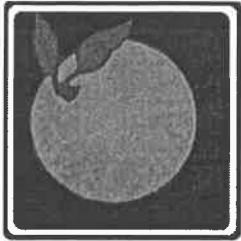
TAX COLLECTOR

Gross Assessments \$ 577,591 \$ 577,591
Net Assessments \$ 548,712 \$ 548,712

Date Received	Dist.#	Gross Assessments Received	Discounts/ Penalties	Commissions Paid	Interest Income	Net Amount Received	General Fund 100.00%	Total 100%
11/4/21	1	\$ 1,506.07	\$ 151.55	\$ 48.52	\$ -	\$ 1,306.00	\$ 1,306.00	\$ 1,306.00
11/10/21	2	\$ 5,795.85	\$ 231.61	\$ 55.64	\$ -	\$ 5,508.60	\$ 5,508.60	\$ 5,508.60
11/18/21	3	\$ 20,220.30	\$ 807.17	\$ 194.13	\$ -	\$ 19,219.00	\$ 19,219.00	\$ 19,219.00
12/2/21	4	\$ 37,435.75	\$ 1,497.11	\$ 359.39	\$ -	\$ 35,579.25	\$ 35,579.25	\$ 35,579.25
12/9/21	5	\$ 127,407.92	\$ 5,095.91	\$ 1,223.12	\$ -	\$ 121,088.89	\$ 121,088.89	\$ 121,088.89
12/16/21	6	\$ 43,005.69	\$ 1,720.03	\$ 412.86	\$ 7.20	\$ 40,880.00	\$ 40,880.00	\$ 40,880.00
1/12/22	7	\$ 103,292.08	\$ 4,130.34	\$ 991.62	\$ -	\$ 98,170.12	\$ 98,170.12	\$ 98,170.12
2/10/22	8	\$ 81,525.55	\$ 3,255.05	\$ 782.71	\$ -	\$ 77,487.79	\$ 77,487.79	\$ 77,487.79
2/18/22	9	\$ 17,148.20	\$ 675.35	\$ 164.73	\$ -	\$ 16,308.12	\$ 16,308.12	\$ 16,308.12
3/10/22	10	\$ 50,043.58	\$ 1,966.51	\$ 480.77	\$ 55.81	\$ 47,652.11	\$ 47,652.11	\$ 47,652.11
3/17/22	EXCESS FEES	\$ 50.83	\$ -	\$ -	\$ -	\$ 50.83	\$ 50.83	\$ 50.83
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Totals		\$ 487,431.82	\$ 19,530.63	\$ 4,713.49	\$ 63.01	\$ 463,250.71	\$ 463,250.71	\$ 463,250.71

SECTION V

SECTION A



VALENCIA WATER CONTROL DISTRICT
219 E. LIVINGSTON STREET, ORLANDO, FL 32801
PHONE: 407-841-5524 x 101 - FAX: 407-839-1526

April 12, 2022

Park Square Grand Pines, LLC
Attn: Vishaal Gupta
200 Vineland Road
Orlando, FL 32811

Subject: Permit #0521

Dear Mr. Gupta:

Park Square Grand Pines, LLC is hereby granted a construction permit related to the Residential Redevelopment site. Approval is granted in accordance with approved plans and hydraulic calculations and the following **GENERAL AND SPECIFIC CONDITIONS:**

GENERAL CONDITIONS:

1. That the District or their agents may at any time make such inspections as they may deem necessary to ensure that the construction or work is performed in accordance with the conditions of this permit.
2. That the permittee will maintain the work authorized herein during construction and thereafter in good condition in accordance with the approved plans.
3. That the permittee shall comply promptly with any lawful regulations, conditions, or instructions affecting the structure or work authorized herein if and when issued by the U.S. Environmental Protection Agency, the South Florida Water Management District and the Florida Department of Environmental Protection and/or any county or city environmental protection agency having jurisdiction to abate or prevent water pollution, including thermal or radiation pollution. Such regulations, conditions, or instructions in effect or hereafter prescribed by the federal, state, county and city agencies have hereby made a condition of this permit.
4. It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the District's right, title and interest in the land to be entered upon and used by the permittee, and the permittee will at all times, assume all risk and indemnify, defend and save harmless Valencia Water Control District from and against any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercises by the permittee of the aforesaid rights and privileges.

5. The permittee and/or their agents will use every measure to prevent the run-off of turbid water into the District's facilities including, but not limited to, the use of temporary ponds, silt barriers, chemical additives and temporary grassing during construction.
6. If discharge of water by permittee should at any time raise the level of pollutants in the District's water management facility to the point where the District is in violation of a statute or regulation, permittee will either: (a) immediately cease such discharge, (b) remove pollutants from the water before discharging into District facilities, and pay all costs which the District must incur in order to reduce pollution in the District's facilities to acceptable levels.
7. That all the provisions of this permit shall be binding on any assignee or successor in interest of the permittee.
8. That any modification, suspension or revocation of this permit shall not be the basis for a claim for damages against Valencia Water Control District.
9. The Valencia Water Control District agrees that the issuance of this permit allows the passage of water through their canals but in so doing does not assume any responsibility for damage to any persons or property.
10. That the engineer of record certify that the facilities as constructed comply with the submitted hydraulic calculations and approved drawings.
11. That the permittee agrees not to modify or alter the constructed facilities at any future time without the express consent of the District.
12. This permit is valid for 3 years from date of approval or runs concurrently with the SFWMD permit, if required, whichever expires first.
13. That this permit must be executed within 30 days of Board approval or must be brought back to the Board for reconsideration.

END OF GENERAL CONDITIONS

SPECIFIC CONDITIONS

1. That the Construction Plans, sheets C0.01 – C0.02; C0.03; C0.04; C1.00 – C1.01; C1.10; C2.00; C3.00; C3.10; C3.20; C4.00 – C4.02; C4.03; C5.00 - C5.02; C5.03 – C5.04; C5.10 – C5.12; C5.20 – C5.22; C5.30 – C5.32; C5.40; C6.00 – C6.03; C7.00 – C7.03; C7.10; C7.20; L400; L401 – L402; L410; L500; L501 – L502 and L510 titled Grande Pines Orangewood N-2 PD Parcel 11D Phase 3 as recommended for approval by the District Engineer on March 15, 2022, become part of this permit.

Attest:

Signature: _____
Park Square Grande Pines, LLC

Title: _____

Attest:

Granted by:

Valencia Water Control District

By: _____
Roy Miller, President

On this ____ day of _____, 2022



1117 East Robinson St.
Orlando, FL 32801
Phone: 407.425.0452
Fax: 407.648.1036

March 15, 2022

Board of Directors
Valencia Water Control District
10365 Orangewood Boulevard
Orlando, Florida 32821

RE: Grand Pines Phase 3
VWCD Permit No. 521
CPH Project No. 6816.07

Dear Honorable Board Members:

We have completed our review of the above referenced project submitted by Poulos & Bennett on December 12, 2021 and review comment response dated March 19, 2022. Based on our review we have no objection to the Board approving this permit.

Sincerely,

CPH, INC.

A handwritten signature in black ink, appearing to read 'D. Mahler', written over a horizontal line.

David E. Mahler, P.E.
District Engineer

Cc: Mr. Darin Lockwood, Poulos & Bennett
Mr. Vishaal Gupta, Park Square Grand Pines, LLC
file

Permit No. _____
(Assigned by V.W.C.D.)

APPLICATION TO BOARD OF SUPERVISORS OF
Valencia Water Control District
for Permit

- (1) PROPOSED USE: **Residential Redevelopment**
- (2) LOCATION OF WORK: Block: Lot: Subdivision:
or Section: 13 Township: 24 Range: 28
- (3) DISTRICT WORKS INVOLVED: **Construction of Parcel 11D Phase 3 includes 89 Single Family Homes, as well as the associated internal roadways, drainage and utility infrastructure. The Phase 3 site is 30.31 acres and is part of the original VWCD Permit #0472 for the redevelopment of the golf course. The Phase 3 site drains to Ponds 6C, 6D and Pond 9A which has been previously permitted for construction with Phase 2 portion of the overall project. The Master drainage system and modeling has not changed from the one submitted with Phase 2; therefore, the drainage report has not been provided for review.**
- (4) OWNER OF PROPOSED WORK OR STRUCTURE: Phone #:
Name: **Park Square Grand Pines, LLC, c/o Vishaal Gupta** Title:
Address: **200 Vineland Road, Orlando, FL 32811**
- (5) APPLICATION OTHER THAN OWNER: (if any) Phone #: Name:
Address: (Street) (City) (State)
(Zip)
- (6) AREA PROPOSED TO BE SERVED: Give legal description and size in acres. Attach legal description if necessary. If land is platted, indicate Block, Lot and Subdivision.

See Attached Legal
- (7) CONSTRUCTION SCHEDULE: **The proposed work, if permitted, will begin within 90 Calendar days of permit approvals.**
- (8) This application, including sketches, drawings or plans and specifications attached contains a full and complete description of the work proposed or use desired of the above described facilities of the District and for which permit is herewith applied. It shall be a part of any permit that may be issued. It is agreed that all work or the use of the District's facilities will be in accordance with the permit to be granted.

Submitted this 22 day of Nov, 2020

Signature of Owner (Officer of Corporation): _____

Print Name of Owner (Officer): Vishaal Gupta

Construction Plans

for Grande Pines Orangewood N-2 PD Parcel 11D Phase 3 Orange County, FL

△ OC-22-S-002

Parcel Id. No.:
13-24-28-6283-07-001 (Partial)

Utility Providers	
Orange County Utilities Division	Electric Service
Orange County Utilities Division	Water Service
Orange County Utilities Division	Wastewater Service
Orange County Utilities Division	Gas Service

Owner/Developer/Applicant:
Park Square Grande Pines LLC
5200 Vineland Road Suite 200
Orlando, FL 32811
EMAIL: AMOQUAH@PARKSQUAREPINES.COM
PHONE: 407.623.5500



Civil Engineer:
Paul & Bennett, LLC
2602 E. Linton St.
Orlando, FL 32803
407.467.3594

Surveyor:
Allen & Company
10000 W. Colonial Ave., Suite 201
Orlando, FL 32817
407.654.5355

Geotechnical Engineer:
Universal Engineering Sciences
553 Maggie Blvd.
Orlando, FL 32811
407.453.0550

Environmental:
Meredith Associates
302 Malabar St.
Gainesville, FL 33715
352.394.0200

Landscape Architect:
Bonnatt Design Group, LLC
14000 W. Colonial Ave., Suite 201
Orlando, FL 32817
407.622.1588

NOTE:
CONSTRUCTION PLANS WERE PREPARED IN ACCORDANCE WITH THE LATEST ANNUAL
OF LANSCAPE PLANNING FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR
LANDSCAPE ARCHITECTURE AND LANDSCAPE ARCHITECTURE AND LANDSCAPE ARCHITECTURE
AND SPECIFICATIONS, AND THE 2011 OCU STANDARDS AND SPECIFICATIONS
SPECIFICATION MANUAL.

3405 E. Hialegham St., Orlando, FL 32803
Tel: 407.467.2200
Fax: 407.467.2200
www.paulandbenett.com

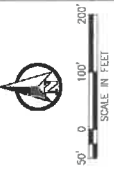
PAUL & BENNETT
LANDSCAPE ARCHITECTS
FLORIDA
No. 62506
STATE OF
FLORIDA
March 7, 2022

Digitally signed by
Darin A. Lockwood
Date: 2022.03.10
11:58:03-0500

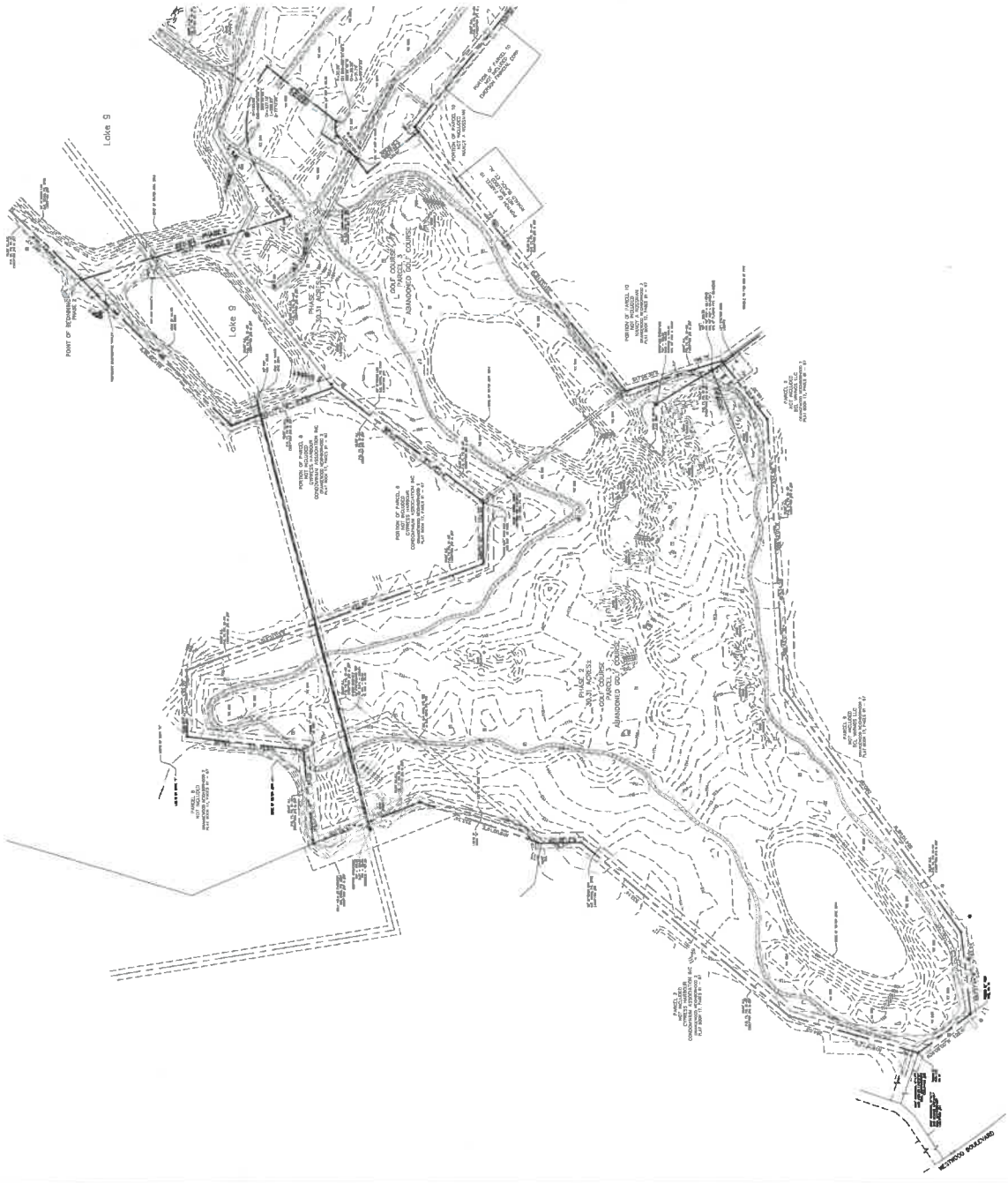
Sheet Id.	Sheet Title	Subm./Rev.
C001	CONSTRUCTION NOTES	1
C002	BCC Conditions of Approval	2
C004	Existing Conditions & Topography	3
C1.00	Demolition Erosion Control Plan	4
C1.01	Centerline Geometry Plan	5
C2.00	Master Site Plan & Site Data	6
C3.00	Typical Road Sections & Details	
C3.10	Parking Designation & Sight Distance Plan	
C3.20	Fire Access Plan	
C4.00	Grading Plan	
C4.02	Grading Details	
C4.03	Lot Grading Data	
C4.10	Grading Details	
C4.11	Drainage & Wastewater Plan	
C5.00	Central Structure Detail	
C5.03	Utility Site Plan	
C5.04	Water Distribution Plan	
C5.10	Reclaim Water Distribution Plan	
C5.20	Utility Asset Tables	
C5.30	Plan & Profiles	
C5.32	Standard Water Details	
C6.00	General Construction Details	
C6.03	Standard Wastewater Details	
C7.00	Landscape Architectural Drawings	
C7.10	Overall Landscape Map	
C7.20	Landscape Plan Code	
L400	Overall Irrigation Map	
L401	Irrigation Details & Notes	
L402		
L500		
L501		
L502		
L510		

Date: 12/03/2021
03/10/2022

Submit to Orange County and SFOWAD
Per OC-PW, OCU, and SFOWAD



- LEGEND:**
- 1. 1" = 100'
 - 2. 1" = 200'
 - 3. 1" = 400'
 - 4. 1" = 800'
 - 5. 1" = 1600'
 - 6. 1" = 3200'
 - 7. 1" = 6400'
 - 8. 1" = 12800'
 - 9. 1" = 25600'
 - 10. 1" = 51200'
 - 11. 1" = 102400'
 - 12. 1" = 204800'
 - 13. 1" = 409600'
 - 14. 1" = 819200'
 - 15. 1" = 1638400'
 - 16. 1" = 3276800'
 - 17. 1" = 6553600'
 - 18. 1" = 13107200'
 - 19. 1" = 26214400'
 - 20. 1" = 52428800'
 - 21. 1" = 104857600'
 - 22. 1" = 209715200'
 - 23. 1" = 419430400'
 - 24. 1" = 838860800'
 - 25. 1" = 1677721600'
 - 26. 1" = 3355443200'
 - 27. 1" = 6710886400'
 - 28. 1" = 13421772800'
 - 29. 1" = 26843545600'
 - 30. 1" = 53687091200'
 - 31. 1" = 107374182400'
 - 32. 1" = 214748364800'
 - 33. 1" = 429496729600'
 - 34. 1" = 858993459200'
 - 35. 1" = 1717986918400'
 - 36. 1" = 3435973836800'
 - 37. 1" = 6871947673600'
 - 38. 1" = 13743895347200'
 - 39. 1" = 27487790694400'
 - 40. 1" = 54975581388800'
 - 41. 1" = 109951162777600'
 - 42. 1" = 219902325555200'
 - 43. 1" = 439804651110400'
 - 44. 1" = 879609302220800'
 - 45. 1" = 1759218604441600'
 - 46. 1" = 3518437208883200'
 - 47. 1" = 7036874417766400'
 - 48. 1" = 14073748835532800'
 - 49. 1" = 28147497671065600'
 - 50. 1" = 56294995342131200'
 - 51. 1" = 112589990684262400'
 - 52. 1" = 225179981368524800'
 - 53. 1" = 450359962737049600'
 - 54. 1" = 900719925474099200'
 - 55. 1" = 1801439850948198400'
 - 56. 1" = 3602879701896396800'
 - 57. 1" = 7205759403792793600'
 - 58. 1" = 14411518807585587200'
 - 59. 1" = 28823037615171174400'
 - 60. 1" = 57646075230342348800'
 - 61. 1" = 115292150460684697600'
 - 62. 1" = 23058430092136939532800'
 - 63. 1" = 46116860184273879065600'
 - 64. 1" = 92233720368547758131200'
 - 65. 1" = 184467440737095516262400'
 - 66. 1" = 368934881474191032524800'
 - 67. 1" = 737869762948382065049600'
 - 68. 1" = 1475739525896764130099200'
 - 69. 1" = 2951479051793528260198400'
 - 70. 1" = 5902958103587056520396800'
 - 71. 1" = 11805916207174113040793600'
 - 72. 1" = 23611832414348226081587200'
 - 73. 1" = 47223664828696452163174400'
 - 74. 1" = 94447329657392904326348800'
 - 75. 1" = 188894659314785808652697600'
 - 76. 1" = 377789318629571617305395200'
 - 77. 1" = 755578637259143234610790400'
 - 78. 1" = 1511157274518286469221580800'
 - 79. 1" = 3022314549036572938443161600'
 - 80. 1" = 6044629098073145876886323200'
 - 81. 1" = 12089258196146291753772646400'
 - 82. 1" = 24178516392292583507545292800'
 - 83. 1" = 48357032784585167015090585600'
 - 84. 1" = 96714065569170334030181171200'
 - 85. 1" = 193428131138340668060362342400'
 - 86. 1" = 386856262276681336120724684800'
 - 87. 1" = 773712524553362672241449369600'
 - 88. 1" = 1547425049106725344482898739200'
 - 89. 1" = 3094850098213450688965797478400'
 - 90. 1" = 6189700196426901377931594956800'
 - 91. 1" = 12379400392853802755863189913600'
 - 92. 1" = 24758800785707605511726379827200'
 - 93. 1" = 49517601571415211023452759654400'
 - 94. 1" = 99035203142830422046905519308800'
 - 95. 1" = 198070406285660844093811038617600'
 - 96. 1" = 396140812571321688187622077235200'
 - 97. 1" = 792281625142643376375244154470400'
 - 98. 1" = 1584563250285286752750488308940800'
 - 99. 1" = 3169126500570573505500976617881600'
 - 100. 1" = 6338253001141147011001953235763200'



CONTRACTOR'S NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS AND AGENCIES.

NOTES:
1. PHASE 1 PLANS NUMBER IS 810002725



GRANDE PINES
WATER GARDEN
5151 S.W. 111
(407)854-5355/(407)-684-4356

DATE	11/11/2022
PROJECT NAME	GRANDE PINES GRANGEWOOD N-2 PD PARCEL III PHASE 3
PROJECT NO.	CU-04
SUBMITTED TO	ORANGE COUNTY, FL
SCALE	1" = 100'
DATE	11/11/2022

GRANDE PINES
GRANGEWOOD
N-2 PD
PARCEL III
PHASE 3

ORANGE COUNTY, FL

EXISTING
CONDITIONS &
TOPOGRAPHY

CU-04



Paul J. Langan
Professional Engineer
State of Florida
License No. 12585
March 7, 2022

Paul J. Langan
Professional Engineer
State of Florida
License No. 12585

Paul J. Langan
Professional Engineer
State of Florida
License No. 12585

50' 0 100' 200'
SCALE IN FEET



16 EAST 1ST STREET
WINTER GARDEN, FLORIDA 33587
(817) 861-5332 (toll-free) 1-800-555-1234

Project Name:
**GRANDE PINES
ORANGEWOOD
N-2 RD
PARCEL 11D
PHASE 3**

Submitted To:
ORANGE COUNTY, FL

Sheet Title:
**CENTERLINE
GEOMETRY PLAN**

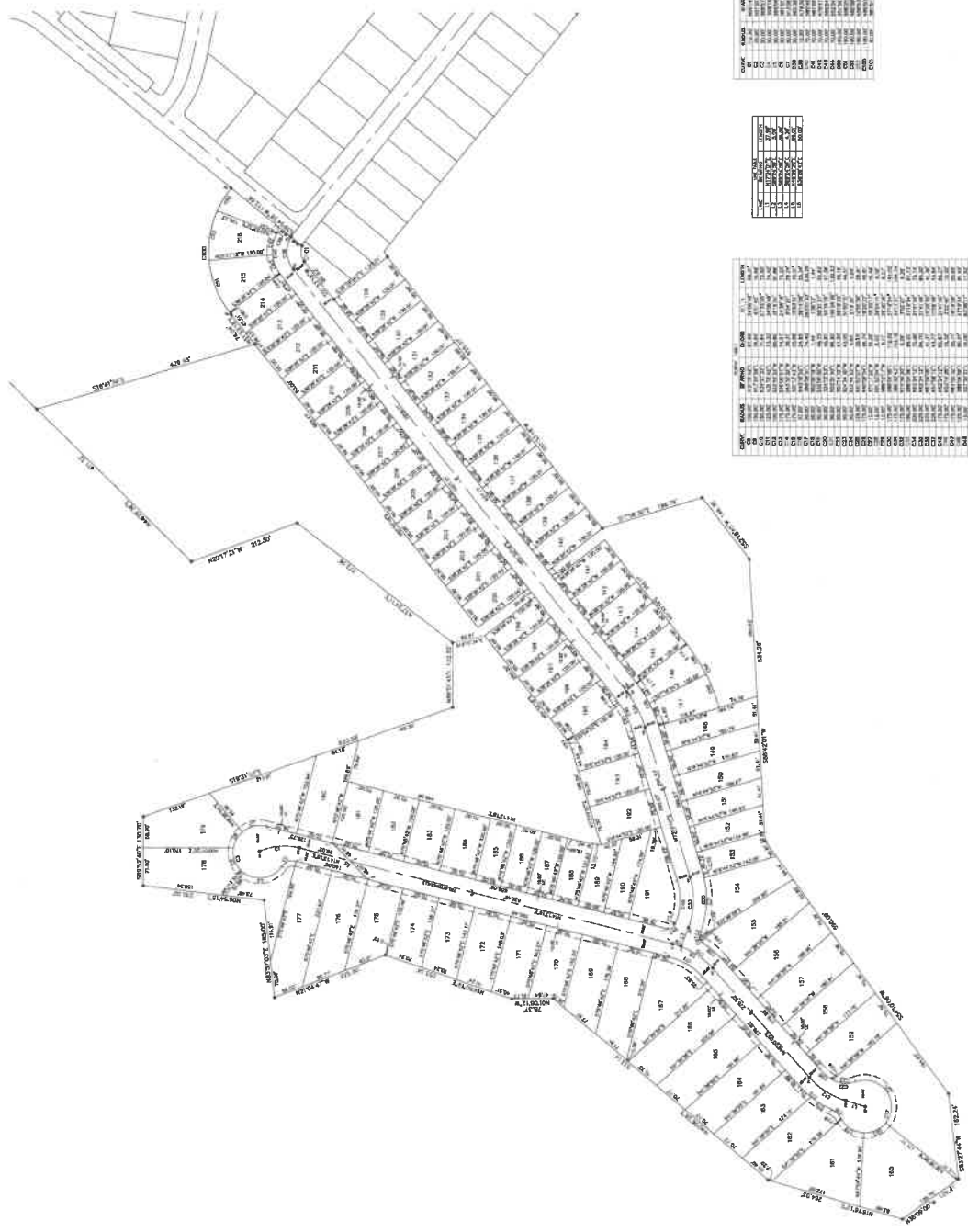
DATE: March 7, 2022

Sheet No.: **C1.10**

Scale:

TECHNICAL SERVICES

Foulos & Bennett, LLC
2002 E. Longwood Blvd., Orlando, FL 32809
761-410-1000
Eng. No. 18-0002



LINE	STATION	CHORD	ANGLE	BEARING	LENGTH
1	0+00	100.00	90.00	N 00° 00' 00" E	100.00
1	100+00	100.00	90.00	N 00° 00' 00" E	100.00
1	200+00	100.00	90.00	N 00° 00' 00" E	100.00
1	300+00	100.00	90.00	N 00° 00' 00" E	100.00
1	400+00	100.00	90.00	N 00° 00' 00" E	100.00
1	500+00	100.00	90.00	N 00° 00' 00" E	100.00
1	600+00	100.00	90.00	N 00° 00' 00" E	100.00
1	700+00	100.00	90.00	N 00° 00' 00" E	100.00
1	800+00	100.00	90.00	N 00° 00' 00" E	100.00
1	900+00	100.00	90.00	N 00° 00' 00" E	100.00
1	1000+00	100.00	90.00	N 00° 00' 00" E	100.00

LINE	STATION	CHORD	ANGLE	BEARING	LENGTH
2	0+00	100.00	90.00	N 00° 00' 00" E	100.00
2	100+00	100.00	90.00	N 00° 00' 00" E	100.00
2	200+00	100.00	90.00	N 00° 00' 00" E	100.00
2	300+00	100.00	90.00	N 00° 00' 00" E	100.00
2	400+00	100.00	90.00	N 00° 00' 00" E	100.00
2	500+00	100.00	90.00	N 00° 00' 00" E	100.00
2	600+00	100.00	90.00	N 00° 00' 00" E	100.00
2	700+00	100.00	90.00	N 00° 00' 00" E	100.00
2	800+00	100.00	90.00	N 00° 00' 00" E	100.00
2	900+00	100.00	90.00	N 00° 00' 00" E	100.00
2	1000+00	100.00	90.00	N 00° 00' 00" E	100.00

LINE	STATION	CHORD	ANGLE	BEARING	LENGTH
3	0+00	100.00	90.00	N 00° 00' 00" E	100.00
3	100+00	100.00	90.00	N 00° 00' 00" E	100.00
3	200+00	100.00	90.00	N 00° 00' 00" E	100.00
3	300+00	100.00	90.00	N 00° 00' 00" E	100.00
3	400+00	100.00	90.00	N 00° 00' 00" E	100.00
3	500+00	100.00	90.00	N 00° 00' 00" E	100.00
3	600+00	100.00	90.00	N 00° 00' 00" E	100.00
3	700+00	100.00	90.00	N 00° 00' 00" E	100.00
3	800+00	100.00	90.00	N 00° 00' 00" E	100.00
3	900+00	100.00	90.00	N 00° 00' 00" E	100.00
3	1000+00	100.00	90.00	N 00° 00' 00" E	100.00

Key Map



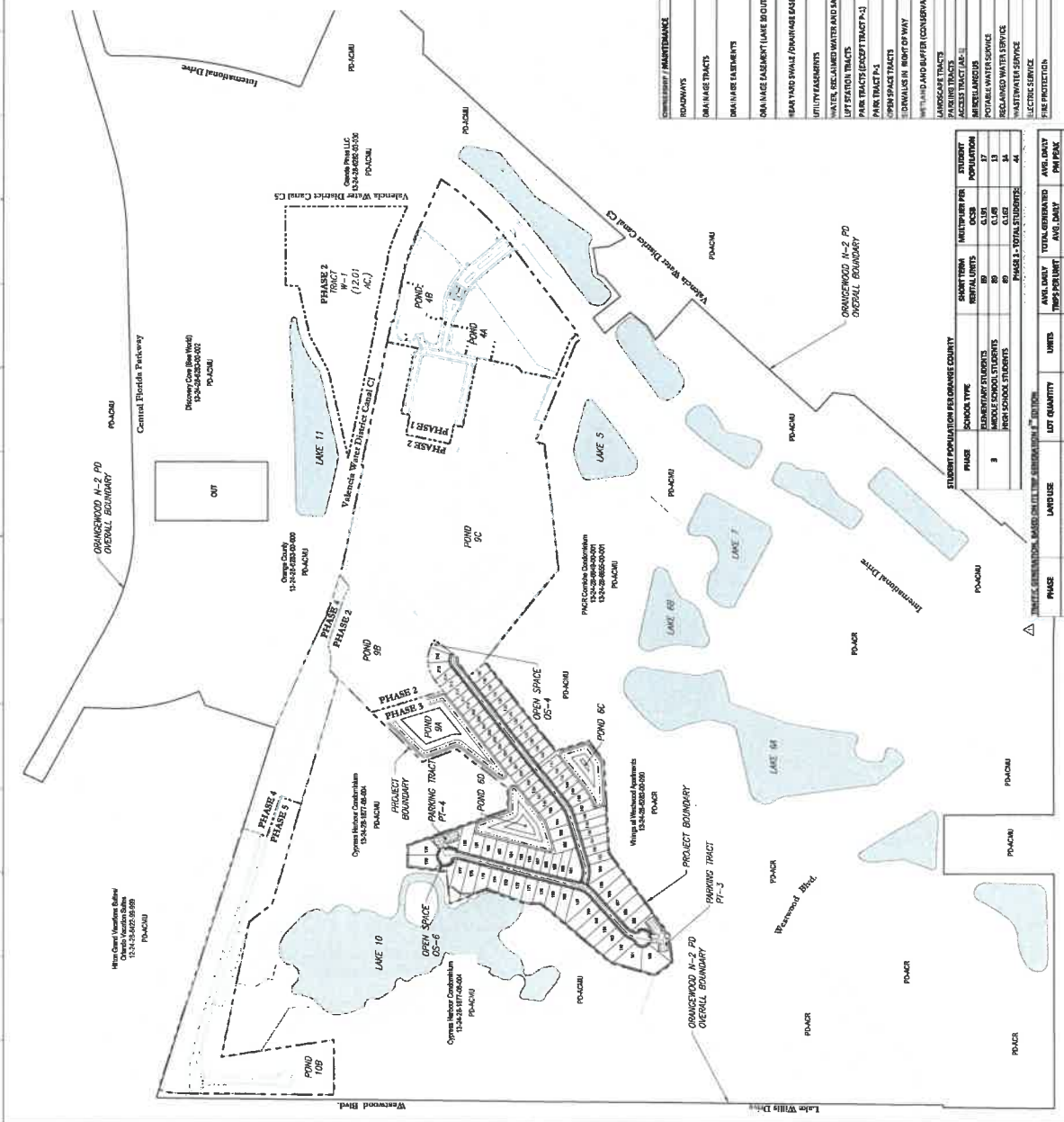
General Site Data
PHASE 3

Zoning	Low Density Residential
Total Lots (Allowed)	88
Total Area	30.31 Ac.
Total Impervious Surface	0.00 Ac.
Total Impervious Area	30.31 Ac.
Open Space / Ac.	1.51
Net Units / Ac.	2.94
RENTAL DETACHED (TOTAL)	33
Number of Units	33
Min. Building Height	35' (2 Stories)
Min. Average Lot Size (Acre)	5,500 SF
Min. Living Area (Square + 100sqft)	1,200 SF
Min. Lot Width (Feet)	50'
Min. Lot Depth (Feet)	110'
Max. Lot Depth (Feet)	110'
RENTAL DETACHED (INDIVIDUAL)	
Row	20'
Side	20'
PD Boundary	5'
Owner / Side Sl.	15'

Lot Chart

Phase	Number of lots
1	2
2	127
3	88
4	55
5	114
Totals	266

Notes:
 1. Proposed to be owned and maintained by the community development district.
 2. Stormwater Facilities shall be designed and permitted in accordance with Orange County and the SFPDAD.
 3. For Funding Purposes This Project is Composed of 4 Phases and will be subject to Code Sections 34-261, 34-290 & 34-291.



UTILITIES

ROADWAYS	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT (CDD)
PAVEMENT	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE CDD
SMALLER UTILITIES	PUBLIC / CDD	TO BE OWNED BY THE CDD. SMALLER UTILITIES WITHIN THE easement ARE TO BE MAINTAINED BY THE CDD. UTILITIES SHALL BE MAINTAINED BY INDIVIDUAL LOT OWNERS.
WATER	PUBLIC / CDD	TO BE OWNED TO ORANGE COUNTY AND THE CDD. UTILITIES FACILITIES WITHIN THE easement ARE TO BE MAINTAINED BY THE CDD.
SEWER	PUBLIC / CDD	TO BE MAINTAINED BY THE CDD. UTILITIES SHALL BE MAINTAINED BY THE INDIVIDUAL LOT OWNERS.
UTILITY easements	PUBLIC	TO BE DEDICATED TO ORANGE COUNTY. UTILITIES WITHIN THE easement ARE TO BE OWNED AND MAINTAINED BY ORANGE COUNTY.
WATER TREATMENT PLANT	PUBLIC	TO BE OWNED AND MAINTAINED BY ORANGE COUNTY UTILITIES
PARK TRACTS (EXCEPT TRACT P-3)	PUBLIC	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-1	PRIVATE	TO BE OWNED AND MAINTAINED BY PROPERTY OWNERS ASSOCIATION
PARK TRACT P-2	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-4	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
DRAINAGE BASIN	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
WATER TREATMENT PLANT	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
WATER TREATMENT PLANT	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-1	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-2	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-3	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-4	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-5	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-6	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-7	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-8	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-9	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-10	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-11	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-12	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-13	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-14	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-15	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-16	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-17	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-18	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-19	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-20	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-21	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-22	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-23	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-24	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-25	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-26	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-27	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-28	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-29	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-30	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-31	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-32	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-33	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-34	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-35	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-36	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-37	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-38	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-39	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-40	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-41	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-42	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-43	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
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PARK TRACT P-45	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-46	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-47	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
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PARK TRACT P-49	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-50	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-51	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-52	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-53	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-54	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-55	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-56	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
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PARK TRACT P-81	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-82	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-83	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-84	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-85	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
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PARK TRACT P-92	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
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PARK TRACT P-94	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-95	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-96	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-97	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-98	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-99	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT
PARK TRACT P-100	PUBLIC / CDD	TO BE OWNED AND MAINTAINED BY THE COMMUNITY DEVELOPMENT DISTRICT

STUDENT POPULATION FOR ORANGE COUNTY

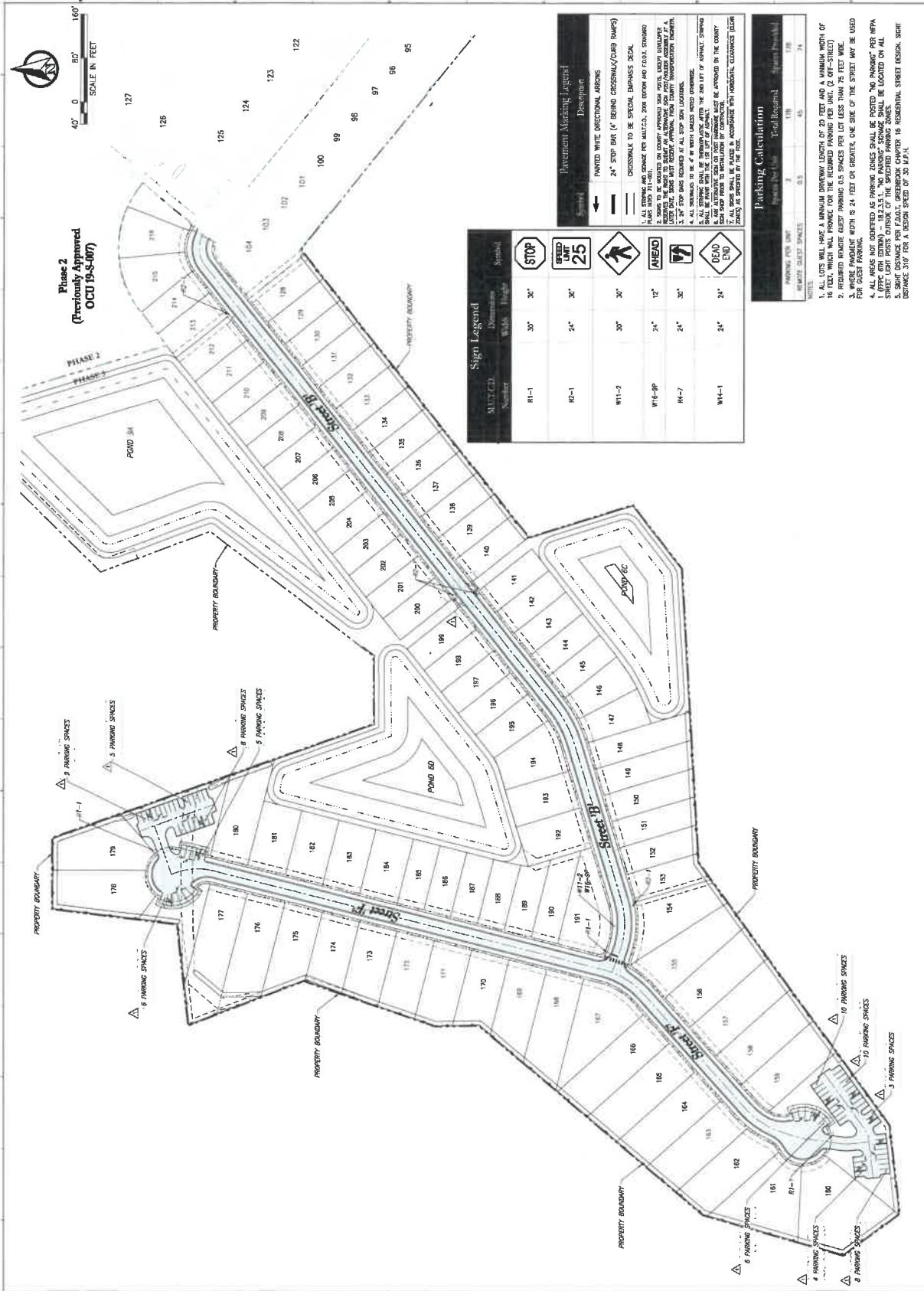
PHASE	SCHOOL TYPE	MULTIPLE PER	STUDENT POPULATION
1	RENTAL UNITS	0.05	11
2	RENTAL UNITS	0.16	33
3	RENTAL UNITS	0.16	33
4	RENTAL UNITS	0.16	33
5	RENTAL UNITS	0.16	33
PHASE 1 - TOTAL STUDENTS			111

STUDENT POPULATION FOR ORANGE COUNTY

PHASE	LOT QUANTITY	AVG. DAILY TRIPS PER UNIT	AVG. DAILY TRIPS PER UNIT
1	2	1	1
2	127	1	1
3	88	1	1
4	55	1	1
5	114	1	1
PHASE 1 - TOTAL STUDENTS	266	1	1

DATE: March 7, 2022
PROJECT NAME: GRANDE PINES ORANGewood N-2 PD PARCEL 11D PHASE 3
SHEET TITLE: MASTER SITE PLAN & SITE DATA
C2.00
DATE: March 7, 2022
SCALE: 1" = 200'
DATE: March 7, 2022
PROJECT NAME: GRANDE PINES ORANGewood N-2 PD PARCEL 11D PHASE 3
SHEET TITLE: MASTER SITE PLAN & SITE DATA
C2.00
DATE: March 7, 2022

P. B. BARNETT, L.L.C.
 Professional Engineer
 Professional Surveyor
 No. 12309
 State of Florida
 P. B. BARNETT, L.L.C.
 1400 N. Lake Shore Dr., Orlando, FL 32806
 Reg. No. 16-18589



VERTICAL CURVE
 DATE: 11/15/2022
 PROJECT: GRAND PINES ORANGETOWN
 SHEET: C3.10
 SCALE: 1" = 80'

Project Name:
**GRANDE PINES
 ORANGETOWN
 N-2 PD
 PARCEL 11D
 PHASE 3**

Schedule To:
 ORANGE COUNTY, FL

Sheet Title:
**PARKING
 DESIGNATION &
 SIGHT DISTANCE
 PLAN**

Sheet No.:
C3.10



Date: March 7, 2022

Travis L. Johnson
 Professional Engineer
 License No. 12574
 State of Florida
 407-497-2224
 10000 W. Lake Nona Blvd., Suite 100
 Lake Nona, FL 32157

Number	Dimensions	Symbol	Description
R1-1	30" x 30"	STOP	PAINTED WHITE DIRECTIONAL ARROWS
R2-1	24" x 30"	SPEED 25	24" STOP BAR (4" BEHIND CROSSWALK/CURB RAMP)
W1-1	30" x 30"	ARROW	CROSSWALK TO BE SPECIAL EXEMPT SIGN
W1-2	30" x 30"	ARROW	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL
W1-3P	24" x 12"	AHEAD	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL
W1-7	24" x 30"	ARROW	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL
W1-11	24" x 24"	DEAD END	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL

Symbol	Description
PAINTED WHITE DIRECTIONAL ARROWS	PAINTED WHITE DIRECTIONAL ARROWS
24" STOP BAR (4" BEHIND CROSSWALK/CURB RAMP)	24" STOP BAR (4" BEHIND CROSSWALK/CURB RAMP)
CROSSWALK TO BE SPECIAL EXEMPT SIGN	CROSSWALK TO BE SPECIAL EXEMPT SIGN
ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL
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ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL

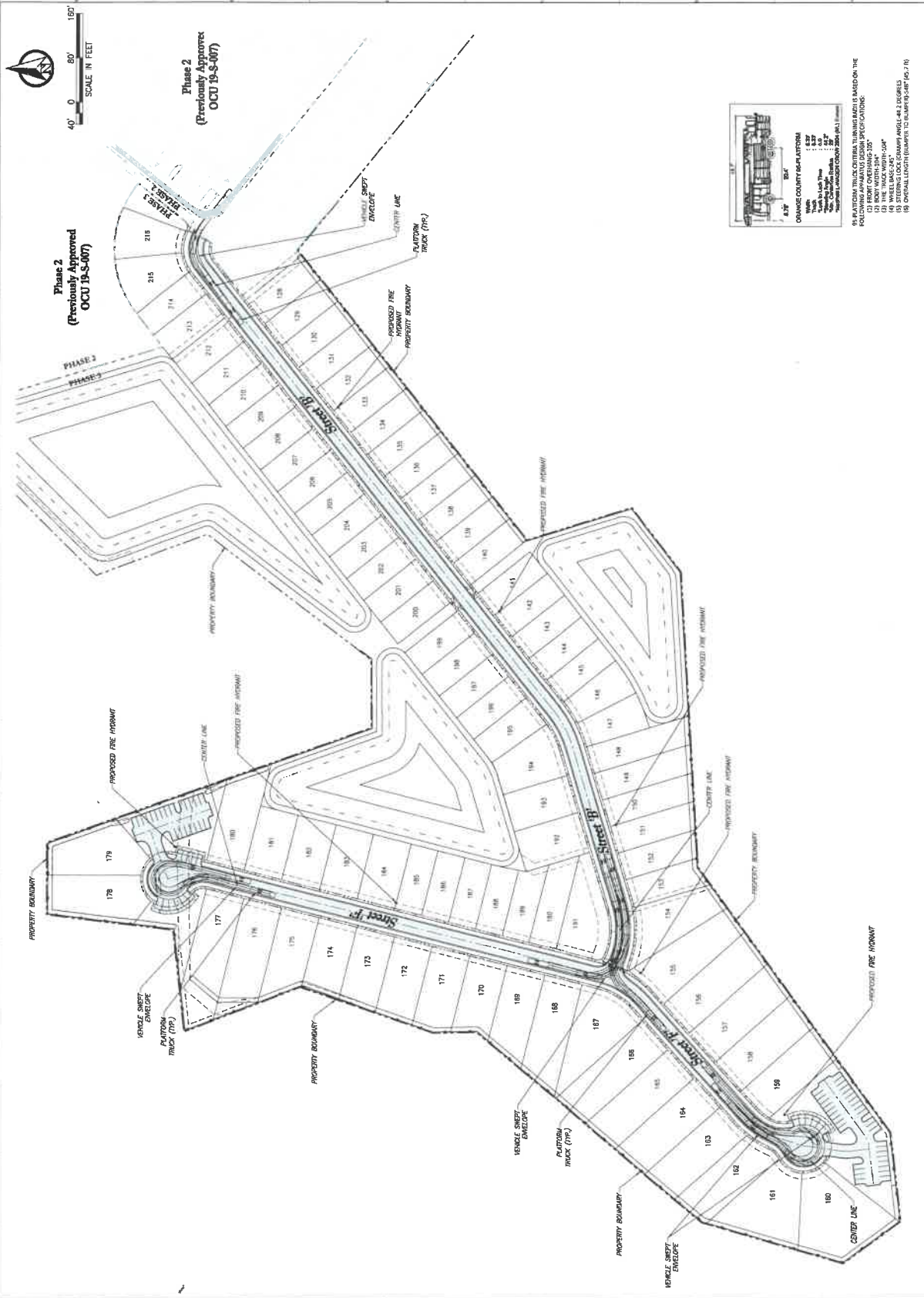
Symbol	Description
PAINTED WHITE DIRECTIONAL ARROWS	PAINTED WHITE DIRECTIONAL ARROWS
24" STOP BAR (4" BEHIND CROSSWALK/CURB RAMP)	24" STOP BAR (4" BEHIND CROSSWALK/CURB RAMP)
CROSSWALK TO BE SPECIAL EXEMPT SIGN	CROSSWALK TO BE SPECIAL EXEMPT SIGN
ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL
ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL
ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL
ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL

Parking Calculation

Symbol	Description	Total Required	Approved
PAINTED WHITE DIRECTIONAL ARROWS	PAINTED WHITE DIRECTIONAL ARROWS	178	178
24" STOP BAR (4" BEHIND CROSSWALK/CURB RAMP)	24" STOP BAR (4" BEHIND CROSSWALK/CURB RAMP)	45	45
CROSSWALK TO BE SPECIAL EXEMPT SIGN	CROSSWALK TO BE SPECIAL EXEMPT SIGN	178	178
ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	178	178
ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	178	178
ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	178	178
ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FEDERAL COUNCIL ON TRANSPORTATION MANUAL	178	178

- ALL LOTS WILL HAVE A MINIMUM DRIVEWAY LENGTH OF 20 FEET AND A MINIMUM WIDTH OF 16 FEET, WHICH WILL PROVIDE FOR THE REQUIRED PARKING PER UNIT (2 OFF-STREET)
- REQUIRED MINIMUM GUEST PARKING 0.5 SPACES PER UNIT (2 OFF-STREET)
- MINIMUM DRIVEWAY WIDTH IS 24 FEET OR GREATER, ONE SIDE OF THE DRIVEWAY MAY BE USED
- ALL LOTS MUST BE PROVIDED AS PARKING SPACES SHALL BE LOCATED TO THE REAR OF EACH UNIT (OFF-SET FROM DRIVEWAY) - 18.2.3.5.1. NO PARKING SPACES SHALL BE LOCATED ON ALL STREET LIGHT POSTS OUTSIDE OF THE SPECIFIED PARKING ZONES

Not Map



Phase 2
(Previously Approved
OCU 19-S-007)

Phase 2
(Previously Approved
OCU 19-S-007)

6. OWNER	GRANDE PINES DEVELOPMENT, LLC
7. DESIGN	PAULSON & BARNETT, LLC
8. DATE	03/07/2022
9. PROJECT	GRANDE PINES DEVELOPMENT, LLC
10. SHEET NO.	03/07/2022
11. SHEET TITLE	FIRE ACCESS PLAN
12. PROJECT NO.	OCU 19-S-007
13. PROJECT NAME	GRANDE PINES DEVELOPMENT, LLC
14. PROJECT ADDRESS	GRANDE PINES DEVELOPMENT, LLC
15. PROJECT CITY	GRANDE PINES DEVELOPMENT, LLC
16. PROJECT COUNTY	GRANDE PINES DEVELOPMENT, LLC
17. PROJECT STATE	GRANDE PINES DEVELOPMENT, LLC
18. PROJECT ZIP	GRANDE PINES DEVELOPMENT, LLC
19. PROJECT PHONE	GRANDE PINES DEVELOPMENT, LLC
20. PROJECT FAX	GRANDE PINES DEVELOPMENT, LLC
21. PROJECT EMAIL	GRANDE PINES DEVELOPMENT, LLC
22. PROJECT WEBSITE	GRANDE PINES DEVELOPMENT, LLC
23. PROJECT SOCIAL MEDIA	GRANDE PINES DEVELOPMENT, LLC
24. PROJECT OTHER	GRANDE PINES DEVELOPMENT, LLC

Project Name:
**GRANDE PINES
ORANGEWOOD
N-2 PD
PARCEL 11D
PHASE 3**

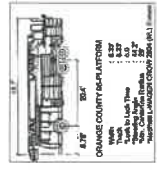
Submittal To:
ORANGE COUNTY, FL

Sheet Title:
FIRE ACCESS PLAN

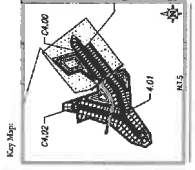
Sheet No.:
C3.20



DATE: March 7, 2022
SCALE: AS SHOWN
PROJECT: GRANDE PINES DEVELOPMENT, LLC
SHEET: C3.20
TITLE: FIRE ACCESS PLAN
DRAWN BY: [Name]
CHECKED BY: [Name]
DATE: 03/07/2022



- ORANGE COUNTY FIRE DEPARTMENT
FIRE HYDRANT SPECIFICATIONS
- (1) 18" BORE WITH 104"
 - (2) 18" BORE OVERHANG 200"
 - (3) 18" BORE OVERHANG 200"
 - (4) 18" BORE OVERHANG 200"
 - (5) 18" BORE OVERHANG 200"
 - (6) 18" BORE OVERHANG 200"
 - (7) 18" BORE OVERHANG 200"
 - (8) 18" BORE OVERHANG 200"
 - (9) 18" BORE OVERHANG 200"
 - (10) 18" BORE OVERHANG 200"
 - (11) 18" BORE OVERHANG 200"
 - (12) 18" BORE OVERHANG 200"
 - (13) 18" BORE OVERHANG 200"
 - (14) 18" BORE OVERHANG 200"
 - (15) 18" BORE OVERHANG 200"
 - (16) 18" BORE OVERHANG 200"
 - (17) 18" BORE OVERHANG 200"
 - (18) 18" BORE OVERHANG 200"
 - (19) 18" BORE OVERHANG 200"
 - (20) 18" BORE OVERHANG 200"



Key Map
Consolidate



Scale in Feet
0 50 100

DATE	March 7, 2022
SHEET NO.	C4.00
PROJECT NAME	GRANDE PINES ORANGEWOOD N-2 RD. PARCEL MID PHASE 3
OWNER	ORANGE COUNTY, FL
DESIGNER	PAULSON SUBSHEET
SCALE	AS SHOWN
DATE	March 7, 2022

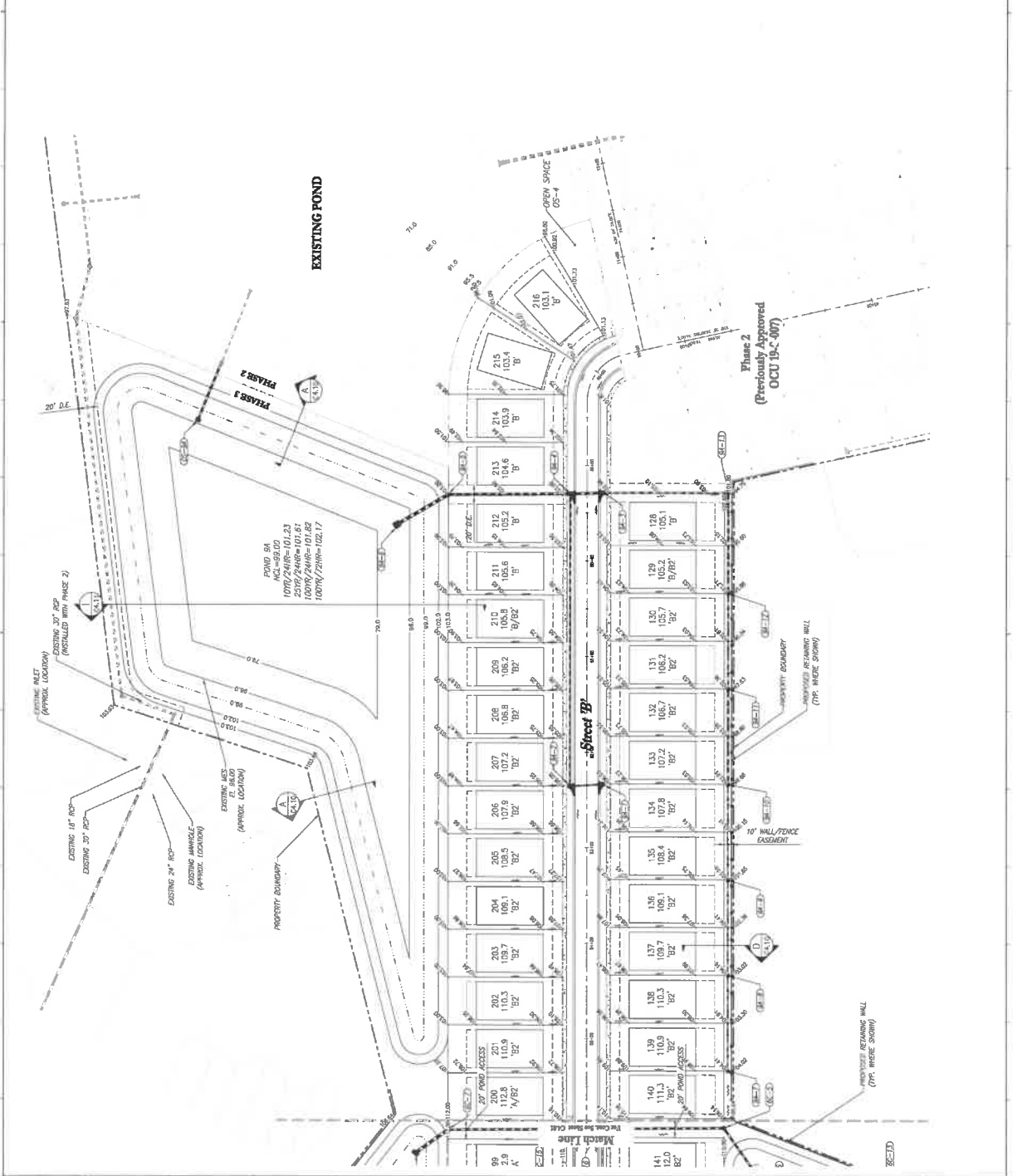
Symbol	Description
---	EXISTING SPOT GRADE
---	PROPOSED SPOT GRADE
---	EXISTING CONCOURSE SWALE
---	PROPOSED CONCOURSE SWALE
---	EXISTING CONTOUR
---	PROPOSED CONTOUR
---	TO BE CONSTRUCTED W/ INFRASTRUCTURE
---	STIM WALL
---	RETAINING WALL
---	100% V.S. EXCAVATION
---	LOT NUMBER
---	PROP. MIN. FT. L. ELEV.
---	LOT AREA, SQ. FT.
---	LOT SHAPES, TYPE
---	ADJACENT LOT NUMBER
---	ADJACENT LOT AREA, SQ. FT.
---	ADJACENT LOT SHAPES, TYPE
---	ADJACENT LOT INFRASTRUCTURE
---	ADJACENT LOT UTILITIES

PROJECT NAME: GRANDE PINES ORANGEWOOD N-2 RD. PARCEL MID PHASE 3

ORANGE COUNTY, FL
GRADING PLAN

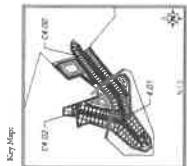
DATE: March 7, 2022
SHEET NO.: C4.00

PAULSON SUBSHEET
Paulson & Bennett, LLC
2620 E. Livingston St., Orlando, FL 32803
Tel: 407.601.1111
Fax: 407.601.1112
Email: paulson@paulsonsubsheet.com



NOTES:

- EXISTING SPOT GRADE AND CONTOUR SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
- ALL EXCAVATION SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
- ALL UTILITIES SHALL BE LOCATED AND DEPTH VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.
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Consent:

BY: DAVID W. BERRY, P.E., C.E.	DATE: 3/17/2022
FOR: GRADING PLAN	
PROJECT: GRAND PINES ORANGEWOOD	
LOCATION: N-2 PD PARCEL MID PHASE 3	
VERTICAL DATUM: NAD 83	
APPROVED BY: [Signature]	DATE: 3/17/2022
DESIGNED BY: [Signature]	DATE: 3/17/2022
SCALE: 1" = 40'	

GRAND PINES ORANGEWOOD N-2 PD PARCEL MID PHASE 3

Submitted To:
ORANGE COUNTY, FL

GRADING PLAN

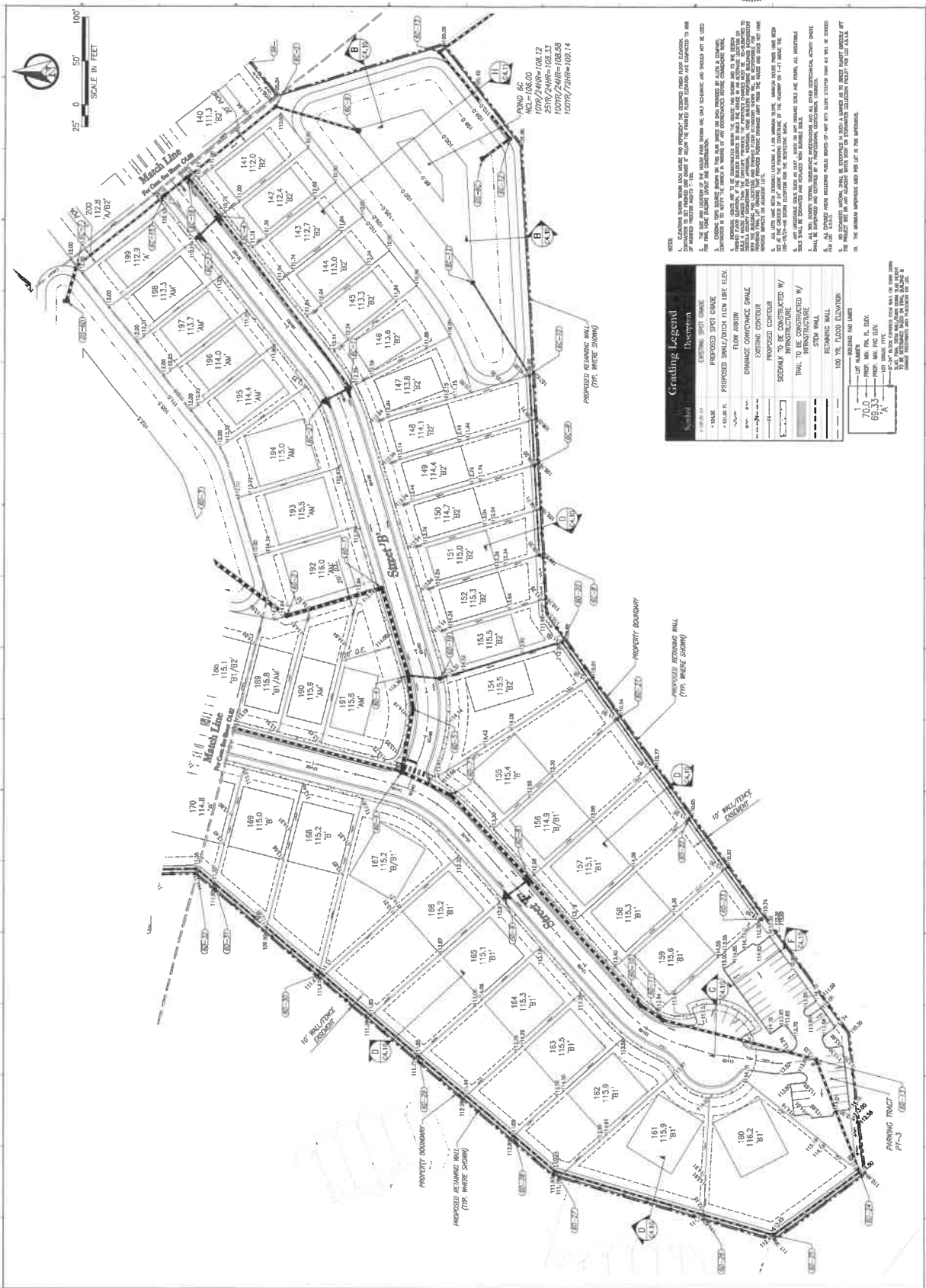
Sheet No.: **C4.01**

DATE: **March 17, 2022**

Project Name:
GRAND PINES ORANGEWOOD

Submitted To:
ORANGE COUNTY, FL

Project No.:
C4.01



- NOTES:
1. ELEVATIONS SHOWN WERE OBTAINED BY MEASUREMENT OF THE EXISTING GRADE FROM EXISTING ADJACENT SURVEYED POINTS. THE PROPOSED GRADE ELEVATIONS ARE SHOWN ON THE PLAN. THE VERTICAL CURVE DATA IS SHOWN IN THE NOTES TO THE PLAN.
 2. SPOT ELEVATIONS ARE TO BE CONSTRUCTED TO THE GRADE SHOWN AND TO BE CHECKED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE SPOT ELEVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE SPOT ELEVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE SPOT ELEVATIONS.
 3. SPOT ELEVATIONS ARE TO BE CONSTRUCTED TO THE GRADE SHOWN AND TO BE CHECKED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE SPOT ELEVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE SPOT ELEVATIONS.
 4. SPOT ELEVATIONS ARE TO BE CONSTRUCTED TO THE GRADE SHOWN AND TO BE CHECKED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE SPOT ELEVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE SPOT ELEVATIONS.

DESCRIPTION	SYMBOL
PROPOSED SPOT ELEVATION	(ELEVATION)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION	(ELEVATION, LINE ELEVATION)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE	(ELEVATION, LINE ELEVATION, DISTANCE)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA, SLOPE)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE AND AREA	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA, SLOPE, AREA)

DESCRIPTION	SYMBOL
PROPOSED SPOT ELEVATION	(ELEVATION)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION	(ELEVATION, LINE ELEVATION)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE	(ELEVATION, LINE ELEVATION, DISTANCE)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA, SLOPE)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE AND AREA	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA, SLOPE, AREA)

DESCRIPTION	SYMBOL
PROPOSED SPOT ELEVATION	(ELEVATION)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION	(ELEVATION, LINE ELEVATION)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE	(ELEVATION, LINE ELEVATION, DISTANCE)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA, SLOPE)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE AND AREA	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA, SLOPE, AREA)

DESCRIPTION	SYMBOL
PROPOSED SPOT ELEVATION	(ELEVATION)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION	(ELEVATION, LINE ELEVATION)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE	(ELEVATION, LINE ELEVATION, DISTANCE)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA, SLOPE)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE AND AREA	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA, SLOPE, AREA)

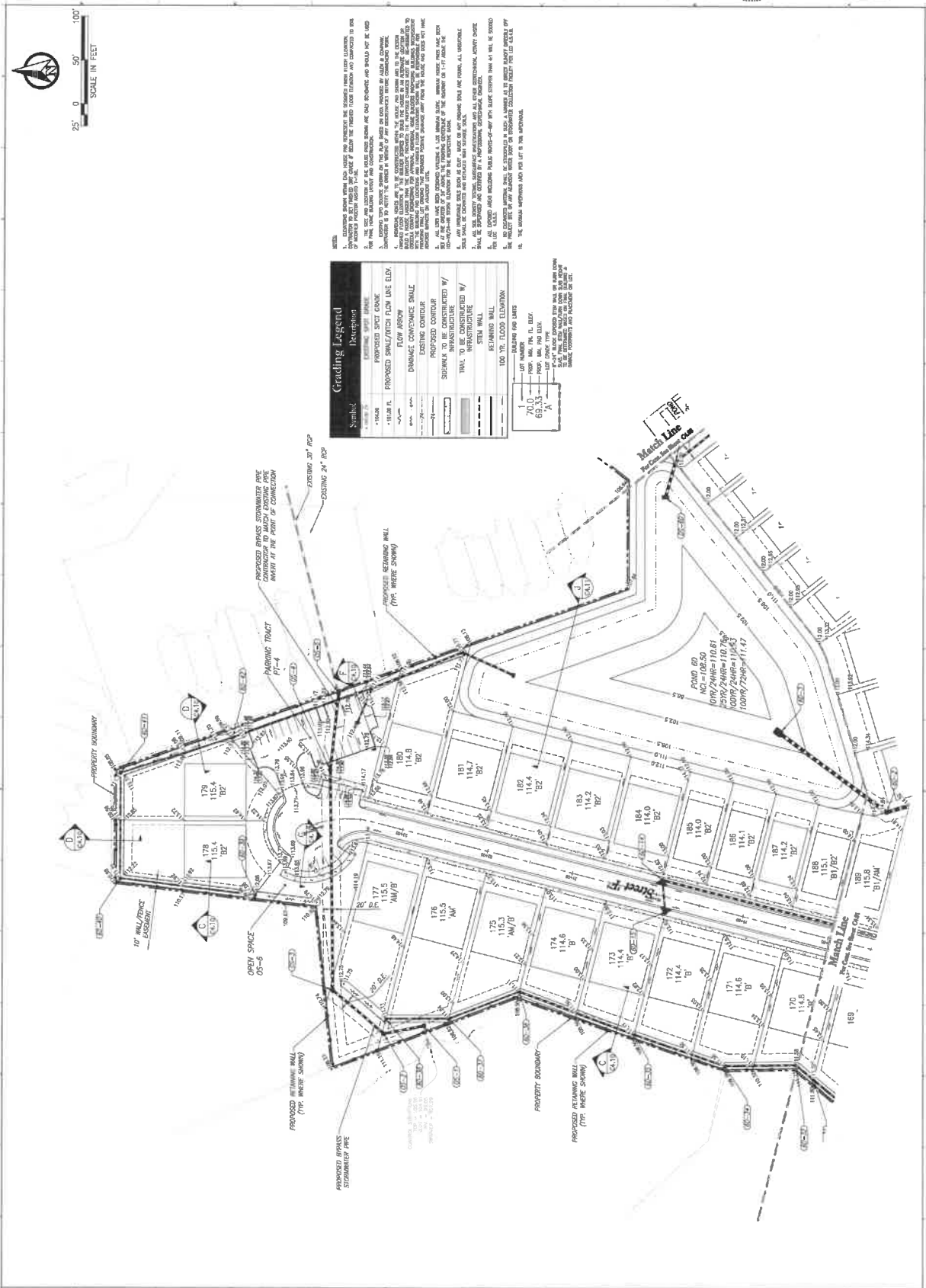
DESCRIPTION	SYMBOL
PROPOSED SPOT ELEVATION	(ELEVATION)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION	(ELEVATION, LINE ELEVATION)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE	(ELEVATION, LINE ELEVATION, DISTANCE)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA, SLOPE)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE AND AREA	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA, SLOPE, AREA)

DESCRIPTION	SYMBOL
PROPOSED SPOT ELEVATION	(ELEVATION)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION	(ELEVATION, LINE ELEVATION)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE	(ELEVATION, LINE ELEVATION, DISTANCE)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA, SLOPE)
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE AND AREA	(ELEVATION, LINE ELEVATION, DISTANCE, BEARING, CURVE DATA, SLOPE, AREA)

7.00
65.33
A

PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE AND AREA

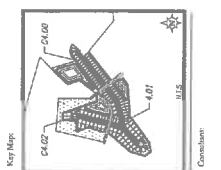
PROPOSED SPOT ELEVATION WITH LINE ELEVATION AND DISTANCE AND BEARING AND CURVE DATA AND SLOPE AND AREA



Grading Legend

Symbol	Description
---	EXISTING SPOT ELEVATION
---	PROPOSED SPOT ELEVATION
---	PROPOSED DRAINAGE/STORM FLOW LINE ELEVATION
---	PROPOSED DRAINAGE/STORM FLOW DIRECTION
---	DRAINAGE CONFORMANCE SLOPE
---	EXISTING CONTOUR
---	PROPOSED CONTOUR
---	SUBMITTALS INDICATED W/
---	TO BE CONSTRUCTED W/
---	STEEL WALL
---	100 TO FLOOD ELEVATION

- #### NOTES:
- PROPOSED BRASIS STORMWATER PIPE CONDUIT TO MATCH EXISTING PIPE INVERT AT THE POINT OF CONNECTION.
 - PROPOSED RETAINING WALL (TYP. WHERE SHOWN).
 - PROPOSED BRASIS STORMWATER PIPE CONDUIT TO MATCH EXISTING PIPE INVERT AT THE POINT OF CONNECTION.
 - EXISTING CONTOUR.
 - PROPOSED CONTOUR.
 - SUBMITTALS INDICATED W/
 - TO BE CONSTRUCTED W/
 - STEEL WALL
 - 100 TO FLOOD ELEVATION
 - LOT NUMBER
 - 10000 MM. THE D.L. ELEV.
 - 662.0' (TYP.)
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - PROPOSED DRAINAGE/STORM FLOW LINE ELEVATION
 - PROPOSED DRAINAGE/STORM FLOW DIRECTION
 - DRAINAGE CONFORMANCE SLOPE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - SUBMITTALS INDICATED W/
 - TO BE CONSTRUCTED W/
 - STEEL WALL
 - 100 TO FLOOD ELEVATION



PROJECT NAME:	GRAND PINES ORANGewood
PARCEL ID:	NL2 RD PARCEL HD PHASE 3
SUBMITTAL DATE:	11/27/22
DESIGNED BY:	PHILIP S. BRANTZ, INC.
DRAWN BY:	PHILIP S. BRANTZ, INC.
DATE:	11/27/22
SCALE:	AS SHOWN
CHECKED BY:	PHILIP S. BRANTZ, INC.
DATE:	11/27/22

PROJECT NAME:
GRAND PINES ORANGewood
PARCEL ID:
NL2 RD PARCEL HD PHASE 3

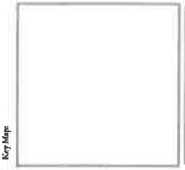
SUBMITTAL TO:
ORANGE COUNTY, FL

SHEET TITLE:
GRADING PLAN

SHEET NO.: C4.02

DATE: March, 2022

PHILIP S. BRANTZ, INC.
PHILIP S. BRANTZ, INC.
1000 E. US Highway 90, Orlando, FL 32809
Tel: 407-948-5000 Fax: 407-948-5001
Eng. No. 12889



Coordinate:

Lot Data Table

Lot #	Area	Area	Area	Area
128	105.2	9'0"	9'0"	103.67
129	105.2	9'0"	9'0"	103.67
130	105.2	9'0"	9'0"	103.67
131	106.2	9'0"	9'0"	104.47
132	106.7	9'0"	9'0"	105.17
133	107.2	9'0"	9'0"	105.67
134	107.8	9'0"	9'0"	106.23
135	108.4	9'0"	9'0"	106.84
136	109.1	9'0"	9'0"	107.43
137	109.7	9'0"	9'0"	108.06
138	110.3	9'0"	9'0"	108.67
139	110.9	9'0"	9'0"	109.28
140	111.3	9'0"	9'0"	109.81
141	112.0	9'0"	9'0"	110.43
142	112.4	9'0"	9'0"	110.97
143	112.7	9'0"	9'0"	111.58
144	113.0	9'0"	9'0"	112.18
145	113.3	9'0"	9'0"	112.80
146	113.5	9'0"	9'0"	113.40
147	113.8	9'0"	9'0"	114.00
148	114.1	9'0"	9'0"	114.68
149	114.4	9'0"	9'0"	115.28
150	114.7	9'0"	9'0"	115.88
151	115.0	9'0"	9'0"	116.50
152	115.2	9'0"	9'0"	117.10
153	115.5	9'0"	9'0"	117.70
154	115.8	9'0"	9'0"	118.30
155	116.4	9'0"	9'0"	119.28
156	116.8	9'0"	9'0"	120.28
157	117.1	9'0"	9'0"	121.28
158	117.4	9'0"	9'0"	122.28

Lot Data Table

Lot #	Area	Area	Area	Area
159	117.8	9'0"	9'0"	123.28
160	118.1	9'0"	9'0"	124.28
161	118.4	9'0"	9'0"	125.28
162	118.7	9'0"	9'0"	126.28
163	119.0	9'0"	9'0"	127.28
164	119.3	9'0"	9'0"	128.28
165	119.6	9'0"	9'0"	129.28
166	120.0	9'0"	9'0"	130.28
167	120.4	9'0"	9'0"	131.28
168	120.8	9'0"	9'0"	132.28
169	121.2	9'0"	9'0"	133.28
170	121.6	9'0"	9'0"	134.28
171	122.0	9'0"	9'0"	135.28
172	122.4	9'0"	9'0"	136.28
173	122.7	9'0"	9'0"	137.28
174	123.0	9'0"	9'0"	138.28
175	123.3	9'0"	9'0"	139.28
176	123.5	9'0"	9'0"	140.28
177	123.8	9'0"	9'0"	141.28
178	124.1	9'0"	9'0"	142.28
179	124.4	9'0"	9'0"	143.28
180	124.7	9'0"	9'0"	144.28
181	125.0	9'0"	9'0"	145.28
182	125.2	9'0"	9'0"	146.28
183	125.5	9'0"	9'0"	147.28
184	125.8	9'0"	9'0"	148.28
185	126.0	9'0"	9'0"	149.28
186	126.4	9'0"	9'0"	150.28
187	126.8	9'0"	9'0"	151.28

Lot Data Table

Lot #	Area	Area	Area	Area
188	127.1	9'0"	9'0"	152.28
189	127.4	9'0"	9'0"	153.28
190	127.7	9'0"	9'0"	154.28
191	128.0	9'0"	9'0"	155.28
192	128.3	9'0"	9'0"	156.28
193	128.5	9'0"	9'0"	157.28
194	128.8	9'0"	9'0"	158.28
195	129.1	9'0"	9'0"	159.28
196	129.4	9'0"	9'0"	160.28
197	129.7	9'0"	9'0"	161.28
198	130.0	9'0"	9'0"	162.28
199	130.3	9'0"	9'0"	163.28
200	130.5	9'0"	9'0"	164.28
201	130.8	9'0"	9'0"	165.28
202	131.1	9'0"	9'0"	166.28
203	131.4	9'0"	9'0"	167.28
204	131.7	9'0"	9'0"	168.28
205	132.0	9'0"	9'0"	169.28
206	132.3	9'0"	9'0"	170.28
207	132.6	9'0"	9'0"	171.28
208	132.9	9'0"	9'0"	172.28
209	133.2	9'0"	9'0"	173.28
210	133.5	9'0"	9'0"	174.28
211	133.8	9'0"	9'0"	175.28
212	134.1	9'0"	9'0"	176.28
213	134.4	9'0"	9'0"	177.28
214	134.7	9'0"	9'0"	178.28
215	135.0	9'0"	9'0"	179.28
216	135.3	9'0"	9'0"	180.28

2. REBID DATE: 11/15/2022
 3. REBID TIME: 10:00 AM
 4. REBID LOCATION: 111.30
 5. REBID CONTACT: 407.300.1113
 6. REBID CONTACT: 407.300.1113

VERTICAL CURVE: N/A
 FINISH: 11.00
 DEPOSIT: 11.00
 ELEVATION: 111.30
 GRADE: 111.30
 LENGTH: 111.30
 WIDTH: 111.30
 AREA: 111.30

Project Name:
**GRANDE PINES
 ORANGEWOOD
 N.L.2 PD
 PARCEL 11D
 PHASE 3**

Sheet Title:
ORANGE COUNTY, FL

Lot Grading Data

Sheet No.:
C4.03



DATE: March 7, 2022

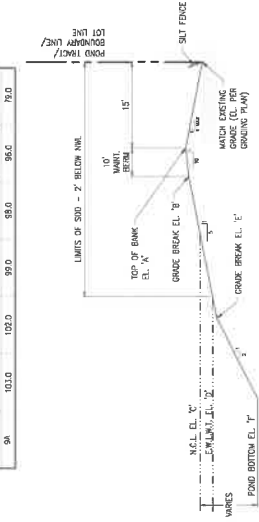


Poulos & Rainey, LLC
 7600 US Highway 1, Orlando, FL 32808
 407.300.1113
 Eng. No. 13187

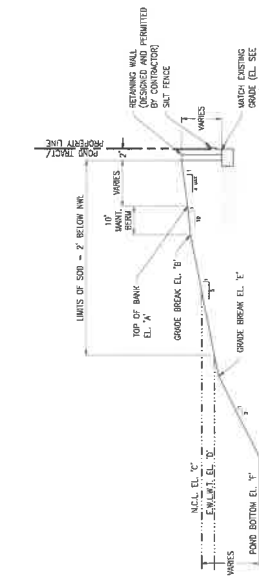
Key Map:

Comments:

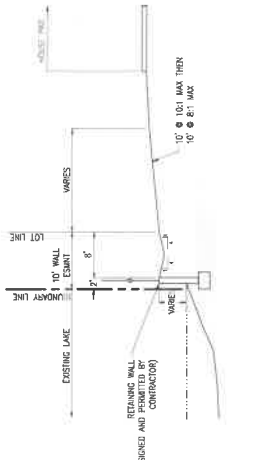
Pond #	EL. W	EL. B	EL. V	EL. S	EL. E	EL. P
60	112.0	108.5	104.5	102.5	98.3	94.5
61	107.0	103.5	99.5	97.5	93.3	89.5



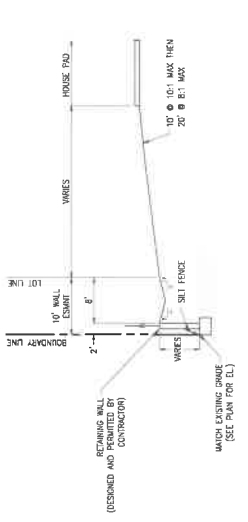
A TYPICAL POND GRADING SECTION NTA



B TYPICAL POND GRADING SECTION NTA



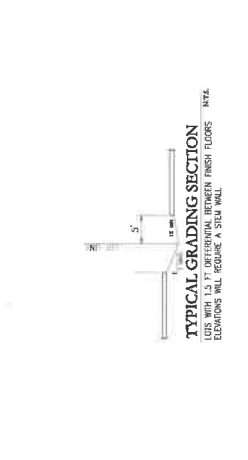
C REAR YARD SWALE (WITH WALL) GRADING SECTION NTA



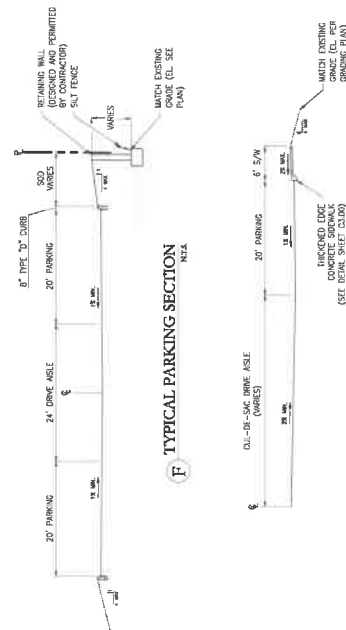
D REAR YARD SWALE (WITH WALL) GRADING SECTION NTA



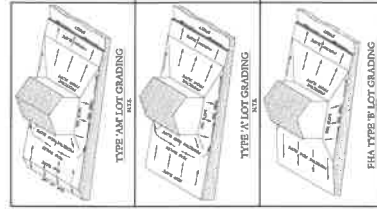
E TYPICAL GRADING SECTION NTA



F TYPICAL PARKING SECTION NTA



G TYPICAL CUL-DE-SAC PARKING SECTION NTA



H LOT GRADING TYPES NTA

PLANNED BY	DATE	PROJECT
DESIGNED BY	DATE	PROJECT
CHECKED BY	DATE	PROJECT
DRAWN BY	DATE	PROJECT
SCALE	DATE	PROJECT
NOTES		

Project Name:
 GRANDE PINES
 ORANGEWOOD
 N-2 PD
 PARCEL 11D
 PHASE 3

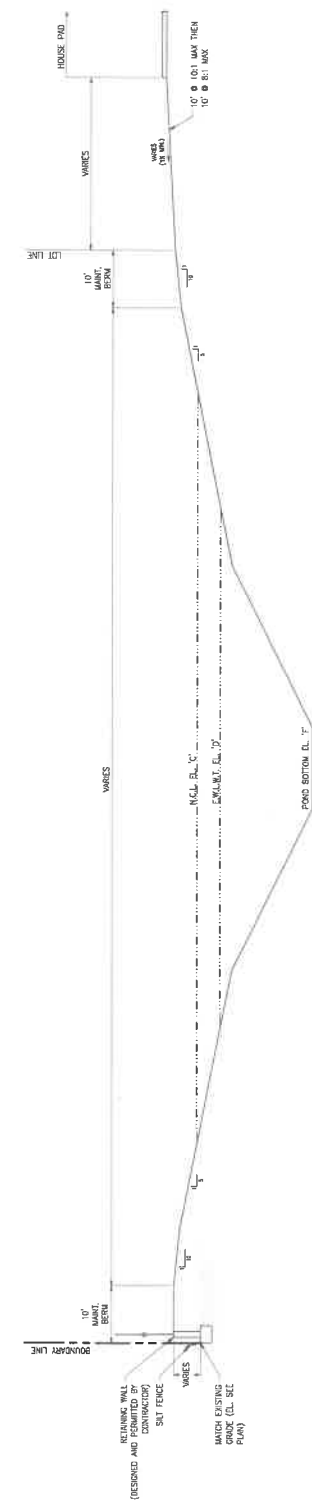
Schematic Title:
 ORANGE COUNTY, FL
 GRADING DETAILS



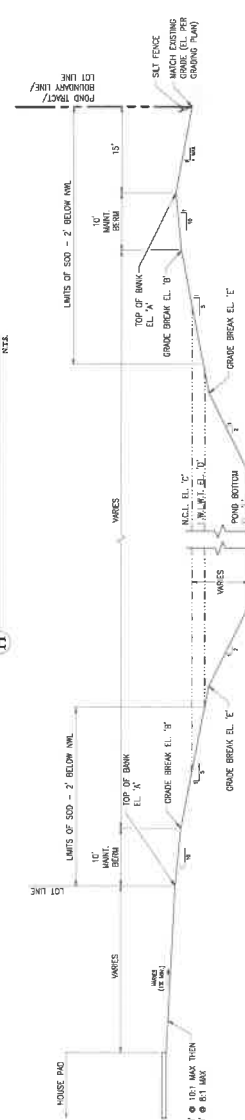
Date: March 7, 2022

Paul & Associates, LLC
 10000
 781.467.0000
 Eng. No. 251567

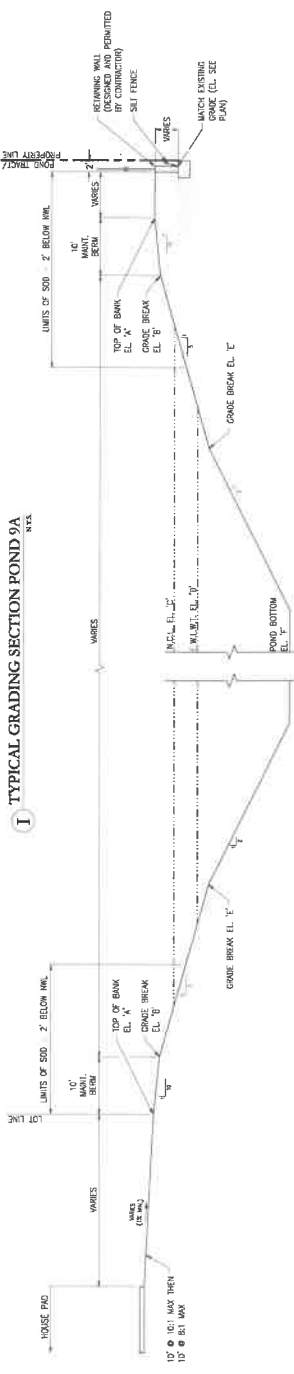
Key Note



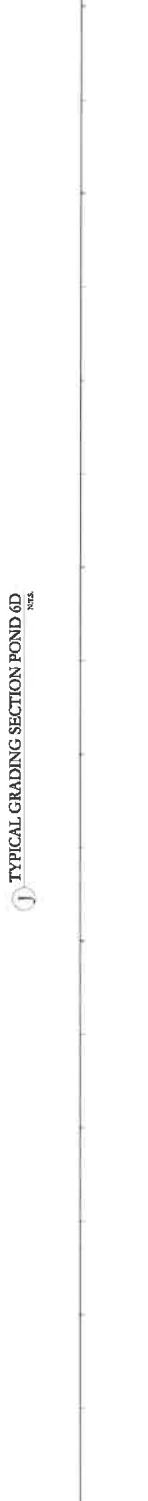
H TYPICAL GRADING SECTION POND 6C
N.T.S.



I TYPICAL GRADING SECTION POND 9A
N.T.S.



J TYPICAL GRADING SECTION POND 6D
N.T.S.



Pond Chart

Pond #	E. W.	E. S.	E. N.	E. E.	E. T.
6C	112.0	111.0	109.5	102.5	98.5
9A	103.0	102.0	99.0	95.0	91.0

DATE: March 7, 2022
SHEET NO.: C4.11
SCALE: AS SHOWN
PROJECT: GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
SUBMITTAL TO: ORANGE COUNTY, FL
SHEET TITLE: GRADING DETAILS

PROJECT NAME: GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
SUBMITTAL TO: ORANGE COUNTY, FL
SHEET TITLE: GRADING DETAILS

DATE: March 7, 2022
SHEET NO.: C4.11
SCALE: AS SHOWN
PROJECT: GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
SUBMITTAL TO: ORANGE COUNTY, FL
SHEET TITLE: GRADING DETAILS

DATE: March 7, 2022
SHEET NO.: C4.11
SCALE: AS SHOWN
PROJECT: GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
SUBMITTAL TO: ORANGE COUNTY, FL
SHEET TITLE: GRADING DETAILS

DATE: March 7, 2022
SHEET NO.: C4.11
SCALE: AS SHOWN
PROJECT: GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
SUBMITTAL TO: ORANGE COUNTY, FL
SHEET TITLE: GRADING DETAILS

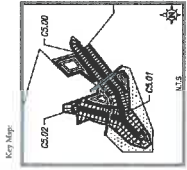
DATE: March 7, 2022
SHEET NO.: C4.11
SCALE: AS SHOWN
PROJECT: GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
SUBMITTAL TO: ORANGE COUNTY, FL
SHEET TITLE: GRADING DETAILS

DATE: March 7, 2022
SHEET NO.: C4.11
SCALE: AS SHOWN
PROJECT: GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
SUBMITTAL TO: ORANGE COUNTY, FL
SHEET TITLE: GRADING DETAILS

DATE: March 7, 2022
SHEET NO.: C4.11
SCALE: AS SHOWN
PROJECT: GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
SUBMITTAL TO: ORANGE COUNTY, FL
SHEET TITLE: GRADING DETAILS

DATE: March 7, 2022
SHEET NO.: C4.11
SCALE: AS SHOWN
PROJECT: GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
SUBMITTAL TO: ORANGE COUNTY, FL
SHEET TITLE: GRADING DETAILS

DATE: March 7, 2022
SHEET NO.: C4.11
SCALE: AS SHOWN
PROJECT: GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
SUBMITTAL TO: ORANGE COUNTY, FL
SHEET TITLE: GRADING DETAILS



DATE: March 7, 2022

PROJECT NAME: GRANDE PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3

SUBMITAL TO: ORANGE COUNTY, FL

SHEET TITLE: DRAINAGE & WASTEWATER PLAN

SHEET NO.: CS.01

DESIGNED BY: [Name]

DRAWN BY: [Name]

CHECKED BY: [Name]

DATE: [Date]

SCALE: 1" = 50'

PROJECT NAME: GRANDE PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3

DESIGNED BY: [Name]

DRAWN BY: [Name]

CHECKED BY: [Name]

DATE: [Date]

SCALE: 1" = 50'

PROJECT NAME: GRANDE PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3

DESIGNED BY: [Name]

DRAWN BY: [Name]

CHECKED BY: [Name]

DATE: [Date]

SCALE: 1" = 50'

PROJECT NAME: GRANDE PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3

DESIGNED BY: [Name]

DRAWN BY: [Name]

CHECKED BY: [Name]

DATE: [Date]

SCALE: 1" = 50'

PROJECT NAME: GRANDE PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3

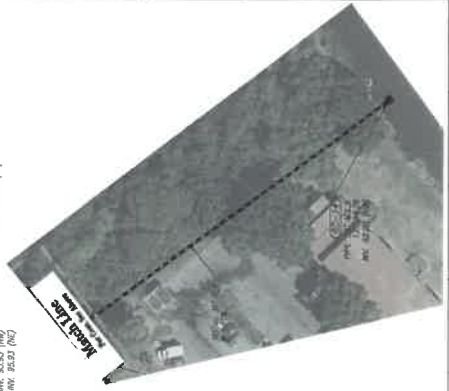
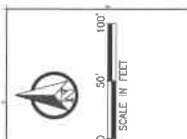
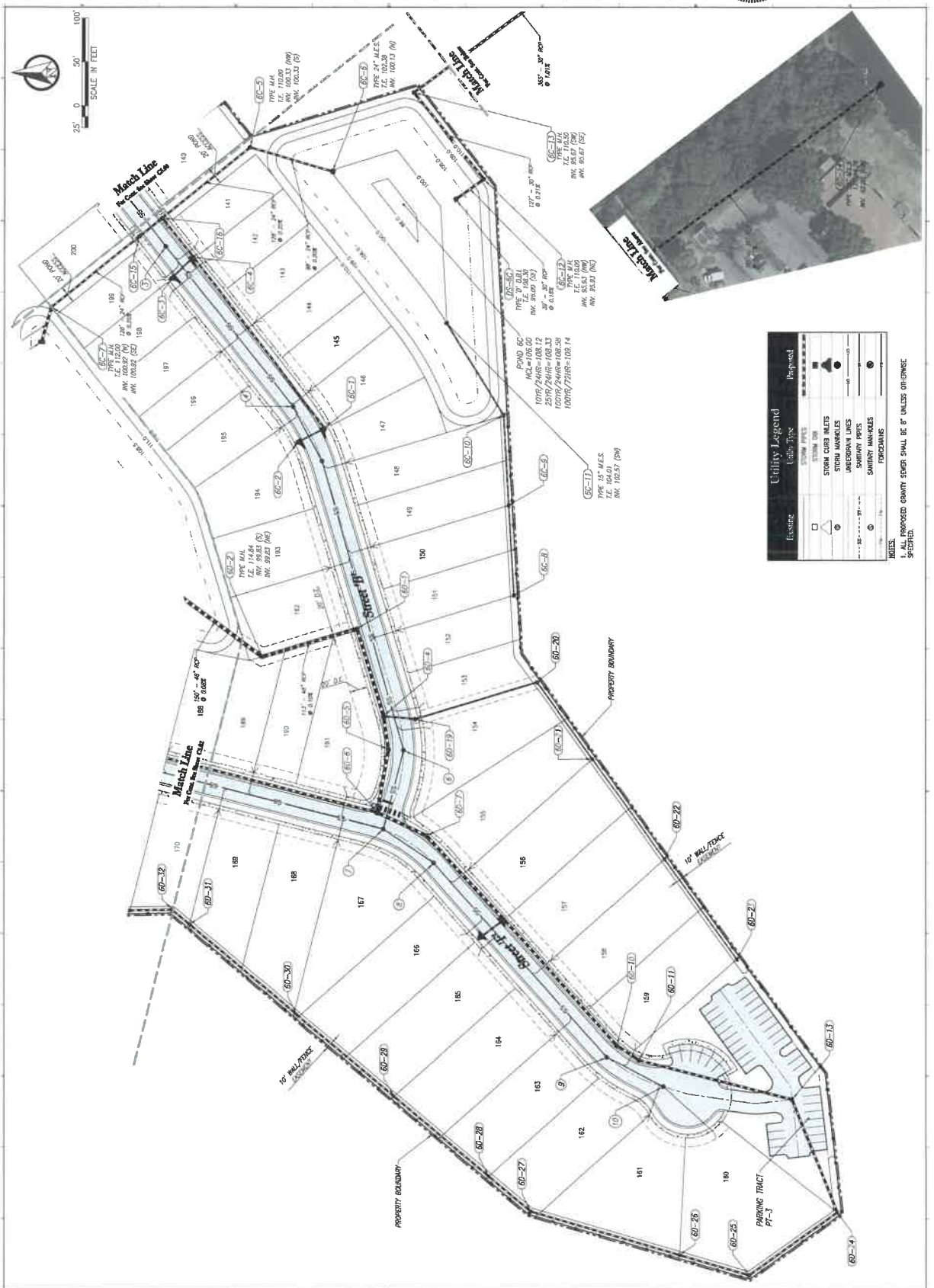
DESIGNED BY: [Name]

DRAWN BY: [Name]

CHECKED BY: [Name]

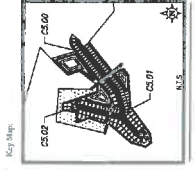
DATE: [Date]

SCALE: 1" = 50'

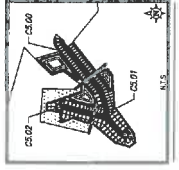


Utility Type	Symbol
STORM CURB	[Symbol]
STORM CURB INLETS	[Symbol]
STORM MANHOLES	[Symbol]
UNDERGROUND LINES	[Symbol]
SHALLOW PIPES	[Symbol]
SHALLOW MANHOLES	[Symbol]
UNDERGROUND MANHOLES	[Symbol]

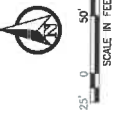
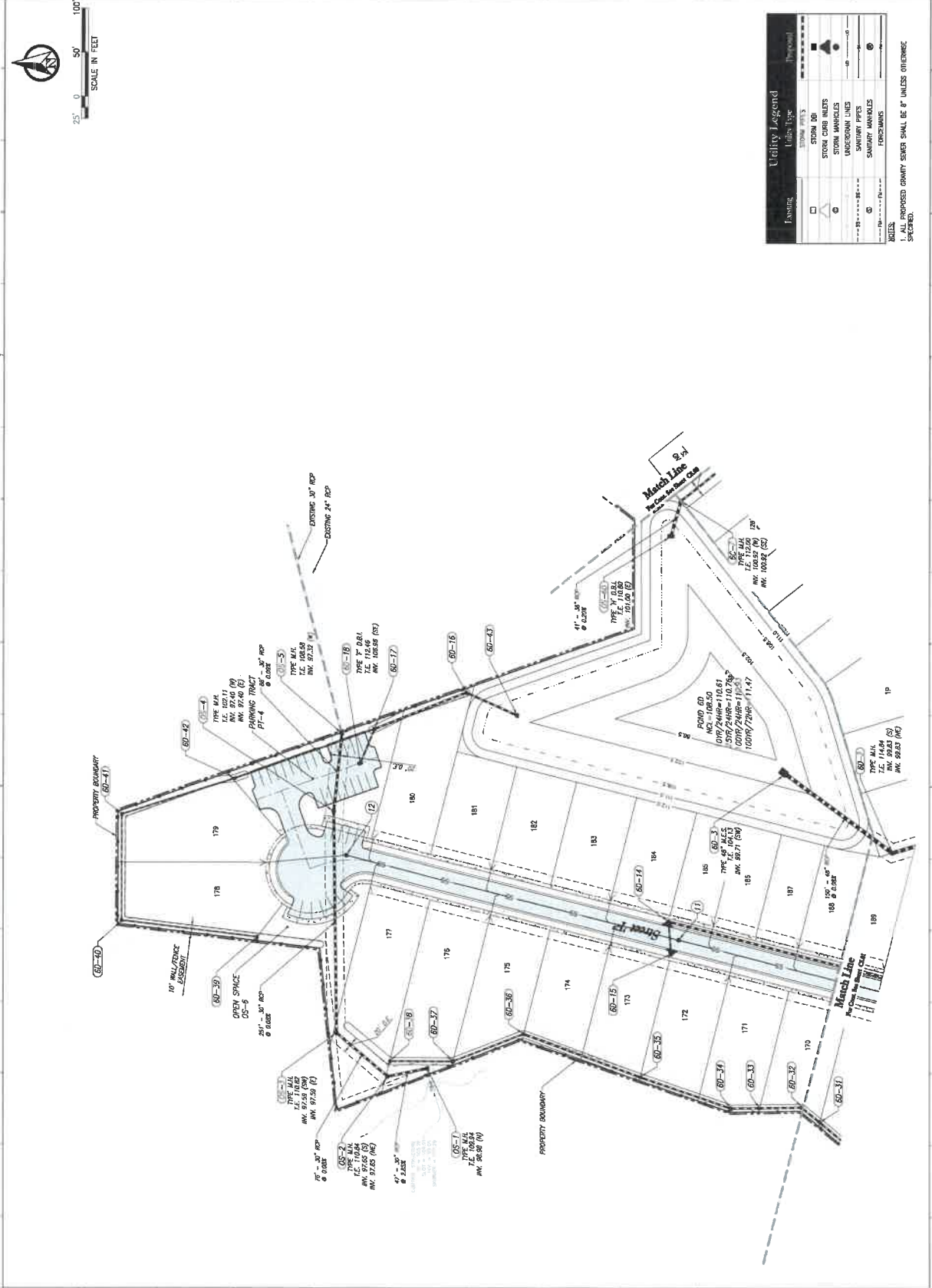
NOTES:
1. ALL PROPOSED GRADY SPACES SHALL BE 8' UNLESS OTHERWISE SPECIFIED.



Key Map:



Comments:



SCALE IN FEET

DESIGN: ENGINEER & ARCHITECT	DATE: 03/14/2022
PROJECT: GRANDE PINES ORANGEWOOD	SCALE: 1" = 20'
SHEET NO.: C5.02	TITLE: DRAINAGE & WASTEWATER PLAN
CLIENT: FORTIN & BERNETT, LLC	PROJECT NO.: 2022-001
LOCATION: 1100 S. UNIVERSITY AVE., SUITE 100, ORANGE, FL 32813	PROJECT NAME: GRANDE PINES ORANGEWOOD N-2 RD PARCEL 110 PARCEL 11D PHASE 3
DESIGNED BY: [Name]	CHECKED BY: [Name]
DRAWN BY: [Name]	DATE: 03/14/2022
SCALE: 1" = 20'	PROJECT NO.: 2022-001

Project Name:
**GRANDE PINES
 ORANGEWOOD
 N-2 RD
 PARCEL 11D
 PHASE 3**

Sheet Title:
**DRAINAGE &
 WASTEWATER PLAN**

Sheet No.:
C5.02



DATE: March 7, 2022

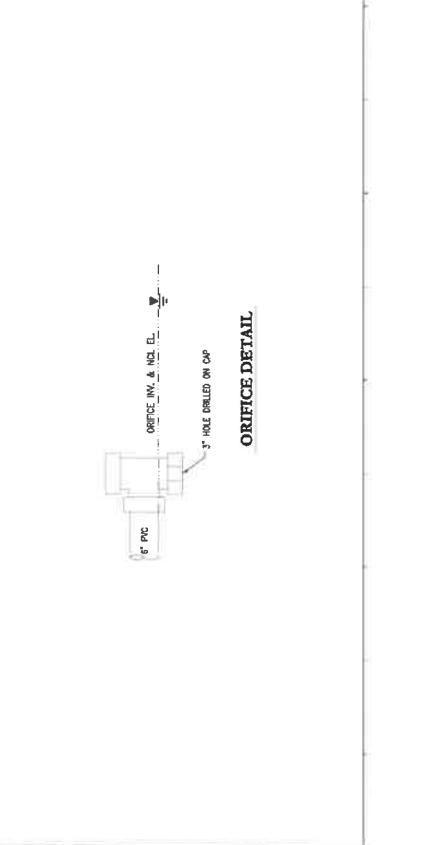
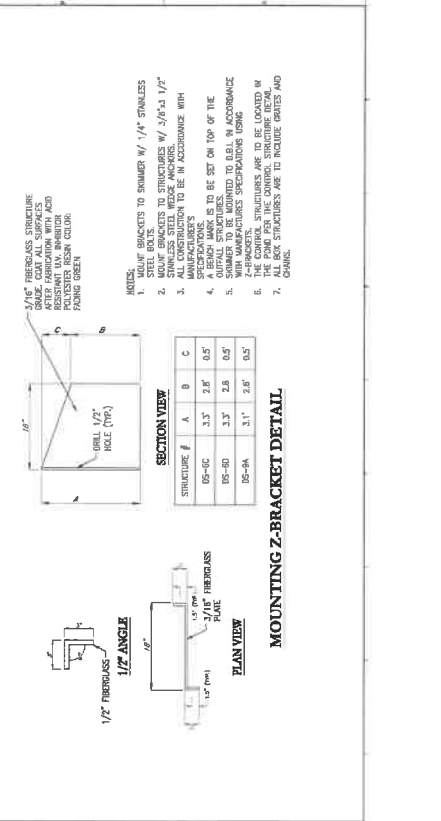
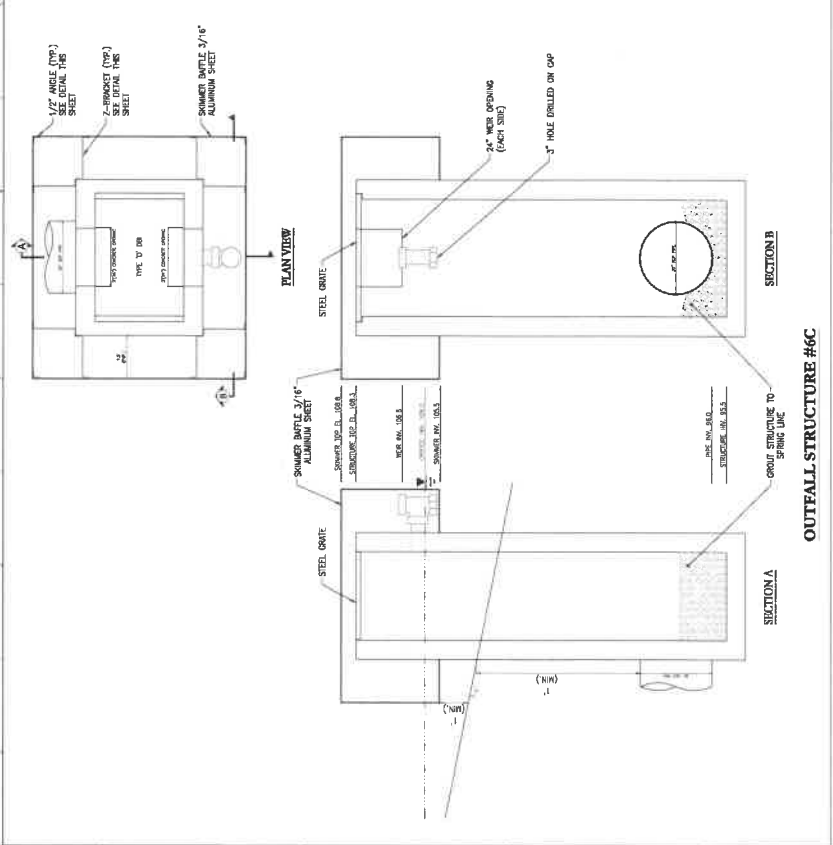
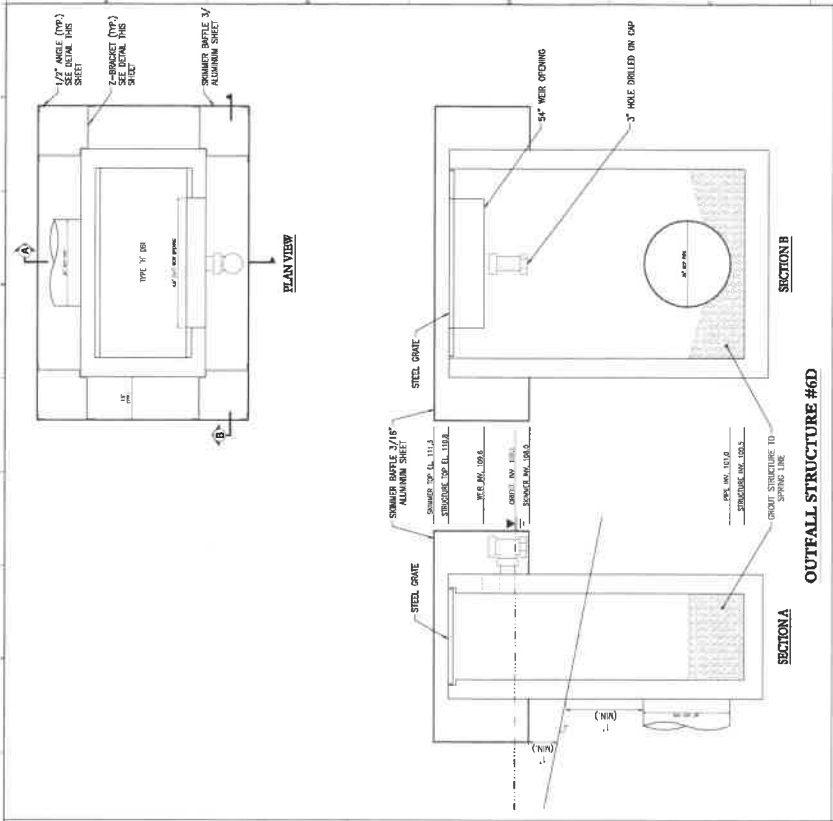


Fortin & Bennett, LLC
 200 S. Magnolia St., Orlando, FL 32805
 Tel: 407.251.1111
 Reg. No. 12587

Utility Type	Symbol
PROPOSED	
EXISTING	
STORM MAINS	
STORM MANHOLES	
UNDERGROUND LINES	
SANITARY PIPES	
SANITARY MANHOLES	
TRENCHES	

NOTES:
 1. ALL PROPOSED COUNTY SEWER SHALL BE 8" UNLESS OTHERWISE SPECIFIED.

Key:



Project Name:

**GRANDE PINES
ORANGEWOOD
N-2 PD
PARCEL 11D
PHASE 3**

Submitted To:
ORANGE COUNTY, FL

Sheet Title:
**CONTROL
STRUCTURE DETAIL**

DATE: March 7, 2022

Sheet No.: **C5.03**

Seal: [Professional Engineer Seal for Paul J. DeBenedictis, No. 15306, State of Florida]

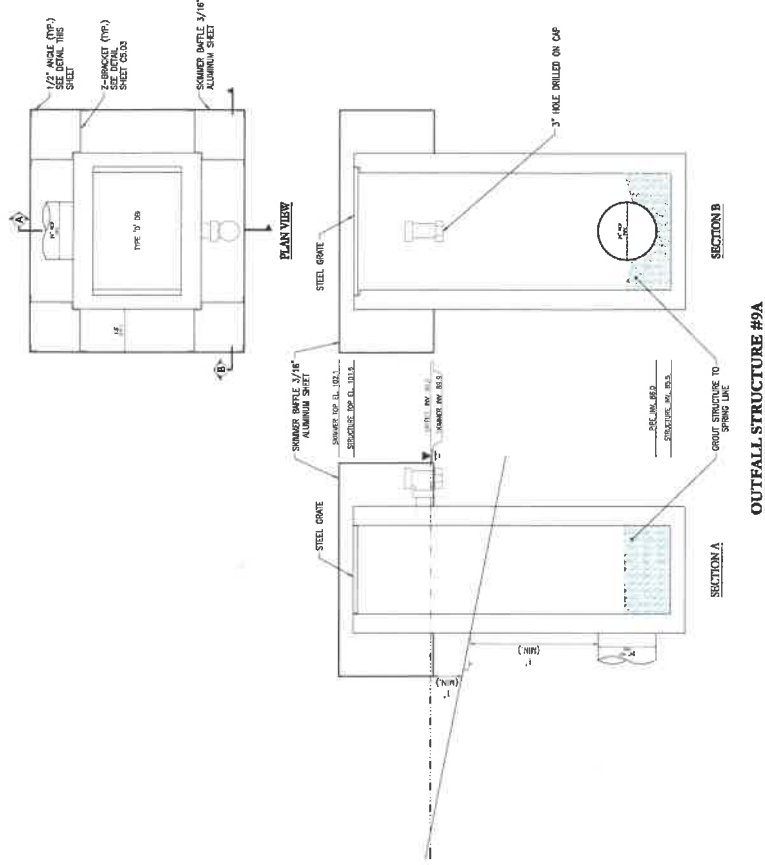
Paul J. DeBenedictis
Professional Engineer
No. 15306
State of Florida

PETERSON & BARNETT

PEBBLES & BARNETT, LLC
2007 B. Livingston Rd., Orlando, FL 32835
Tel: 407.441.2200
Fax: 407.441.2202

Key Map:

Coordinate:



DESIGNED BY	DATE	PROJECT NAME
CHECKED BY	DATE	PROJECT NO.
APPROVED BY	DATE	PROJECT TITLE
SCALE		
PROJECT NO.		
DATE		
PROJECT TITLE		

Project Name:
**GRANDE PINES
 ORANGEWOOD
 N.L. 2 RD
 PARCEL 11D
 PHASE 3**

Submitted To:
ORANGE COUNTY, FL

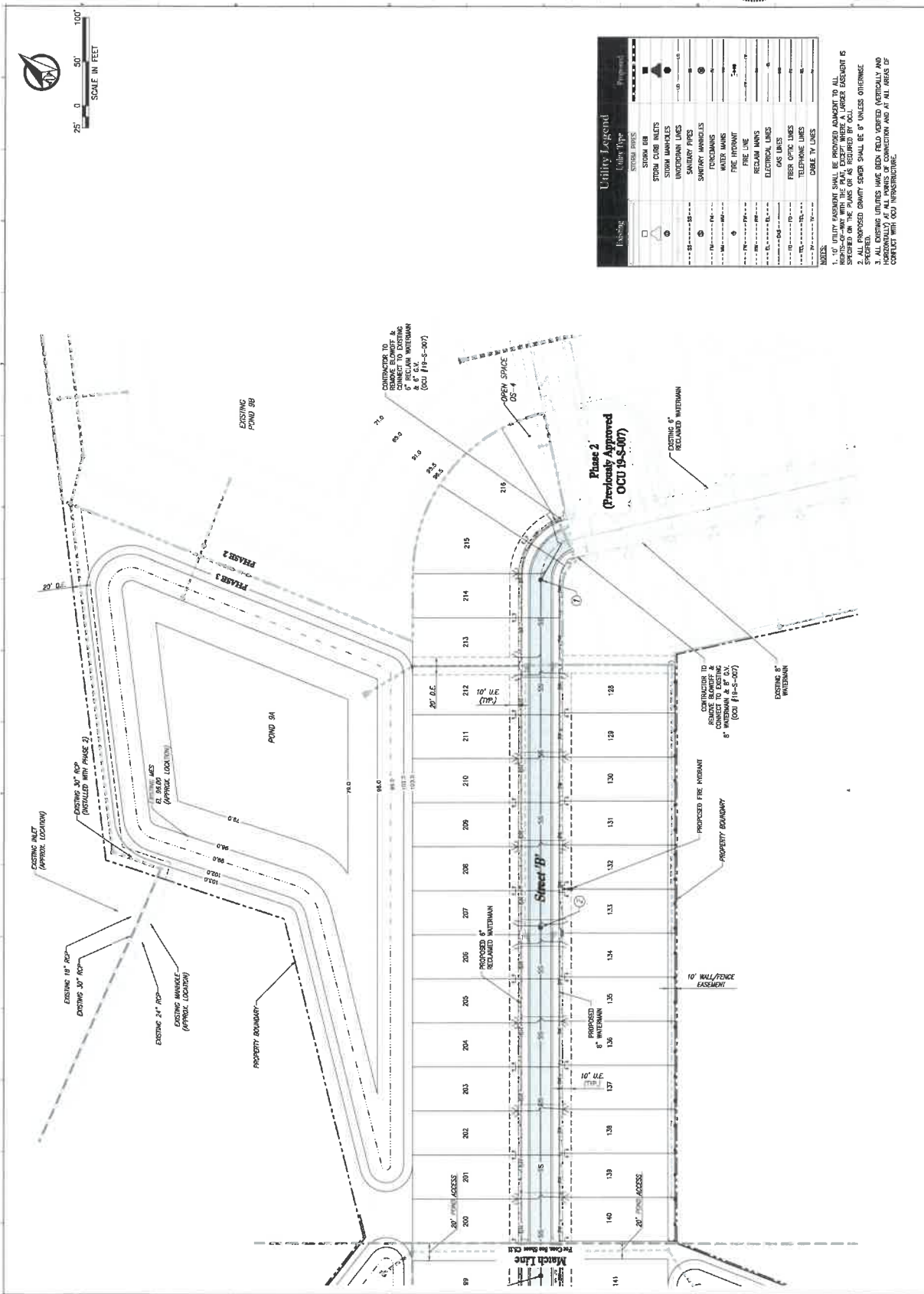
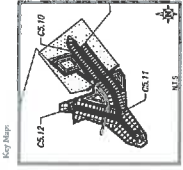
Sheet Title:
**CONTROL
 STRUCTURE DETAIL**

Sheet No.:
C5.04



DATE: **March 7, 2022**

Paul S. Bennett
 Paul S. Bennett, LLC
 2605 W. Lakeview Dr., Suite 100
 Orlando, FL 32835
 Tel: 407.596.1111
 Fax: 407.596.1112
 Email: paul@psb-engineering.com



SHEET NO. 19-001
 PROJECT NO. 19-001
 DATE: 03/22/2022
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT NAME: GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
 SCALE: 1" = 50'
 SHEET NO. 19-001

PROJECT NAME: GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
 SHEET NO. 19-001

SHEET NO. 19-001
 PROJECT NO. 19-001

PROJECT NO. 19-001
 DATE: 03/22/2022

SHEET NO. 19-001
 PROJECT NO. 19-001



DATE: March 22, 2022
 SHEET NO. 19-001
 PROJECT NO. 19-001

Utility Type	Symbol
STORM MAINS	---
STORM EB	---
STORM COVE INLETS	---
STORM MANHOLES	---
UNDERGROUND LINES	---
MANHOLE	---
WATER MAINS	---
FIRE MAINS	---
FIRE LINE	---
RECLAIM MAINS	---
ELECTRICAL LINES	---
GAS LINES	---
FIBER OPTIC LINES	---
TELEPHONE LINES	---
CABLE TV LINES	---

1. ALL UTILITY PASSINGS SHALL BE PROTECTED ACCORDING TO ALL APPROPRIATE CODES WITH THE EXCEPT WHERE A LARGER EASEMENT IS SPECIFIED ON THE PLANS OR AS REQUIRED BY LOCAL ORDINANCES.
2. ALL EXISTING UTILITIES HAVE BEEN FIELD VERIFIED (VERTICALLY AND HORIZONTALLY) AND SHOWN TO BE IN CONTACT WITH THE PROPOSED UTILITY LINES.
3. ALL EXISTING UTILITIES HAVE BEEN FIELD VERIFIED (VERTICALLY AND HORIZONTALLY) AND SHOWN TO BE IN CONTACT WITH THE PROPOSED UTILITY LINES.

GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
 SHEET NO. 19-001

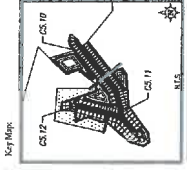
GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
 SHEET NO. 19-001

GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
 SHEET NO. 19-001

GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
 SHEET NO. 19-001

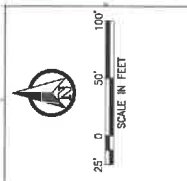
GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
 SHEET NO. 19-001

GRAND PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
 SHEET NO. 19-001



Key Map

Consultant



SCALE IN FEET

PROJECT NAME:
**GRANDE PINES
 ORANGEWOOD
 N-2 PD
 PARCEL 11D
 PHASE 3**

Project No.: 19-07
 DATE: 03/07/2022
 DRAWN BY: J. B. BARNETT
 CHECKED BY: J. B. BARNETT
 APPROVED BY: J. B. BARNETT
 SCALE: AS SHOWN
 SHEET NO.: 1 OF 50

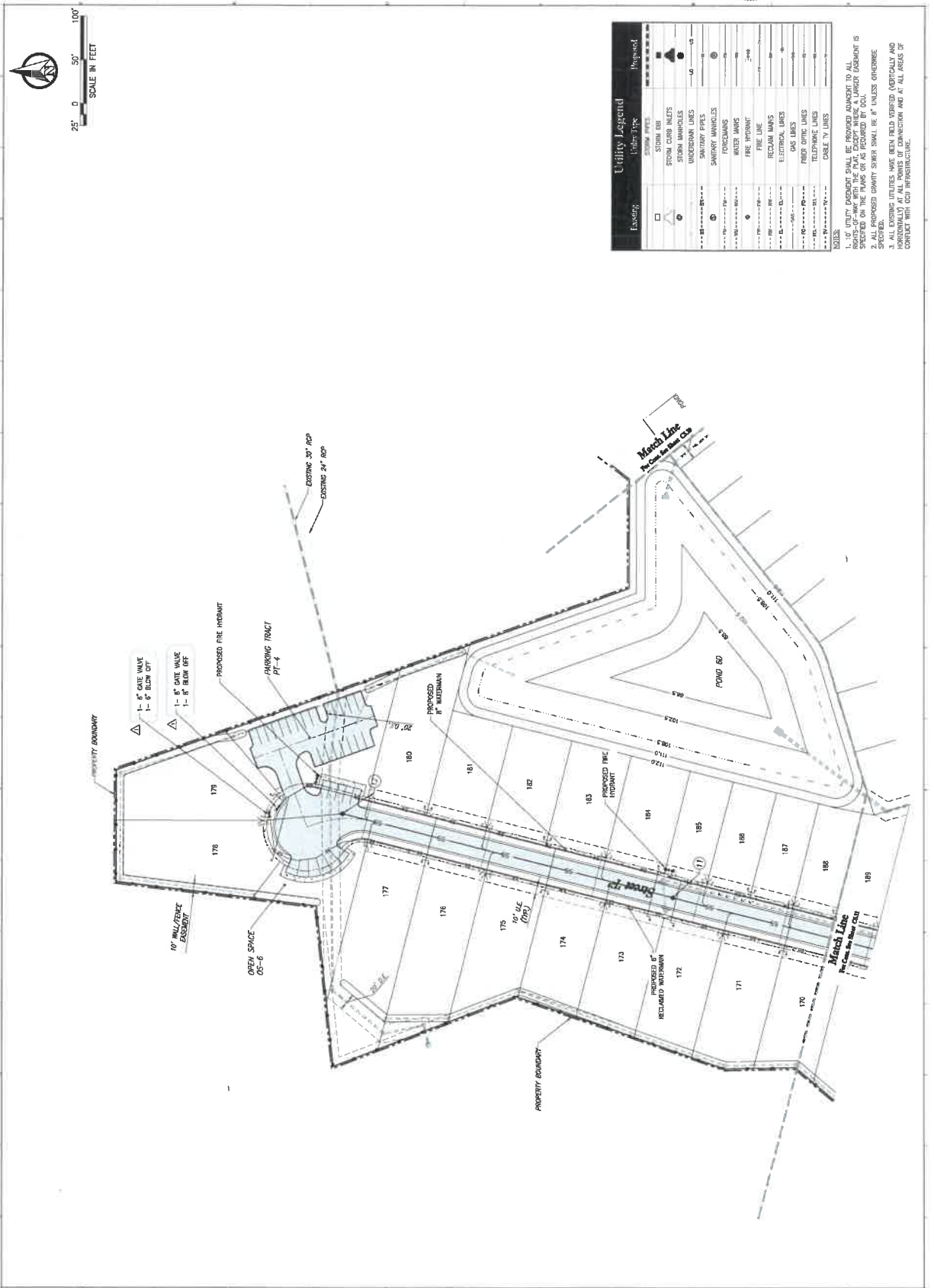
Sheet No.: **CS.12**

DATE: March 7, 2022



Professional Engineer
 James L. Barnett
 No. 12488
 State of Florida
 Civil Engineering

Paulson & Barnett, LLC
 1000 E. Lake Shore Blvd., Orlando, FL 32803
 Eng. Reg. No. 29527



Utility Legend	
Existing	Proposed
STORM PIPES	STORM PIPES
STORM DR	STORM DR
STORM CATCH BASINS	STORM CATCH BASINS
STORM MANHOLES	STORM MANHOLES
UNDERGROUND LINES	UNDERGROUND LINES
SANITARY PIPES	SANITARY PIPES
SAWTOOTH MANHOLES	SAWTOOTH MANHOLES
FORCE MAINS	FORCE MAINS
WATER MAINS	WATER MAINS
FIRE HYDRANT	FIRE HYDRANT
RECLAIM MAINS	RECLAIM MAINS
ELECTRICAL LINES	ELECTRICAL LINES
GAS LINES	GAS LINES
FIBER OPTIC LINES	FIBER OPTIC LINES
TELEPHONE LINES	TELEPHONE LINES
CABLE TV LINES	CABLE TV LINES

NOTES:
 1. ALL UTILITY EXISTENCES SHALL BE PROVIDED ADJACENT TO ALL PROPOSED EXISTING UTILITY LINES.
 2. ALL PROPOSED UTILITY SHALL BE PROVIDED AS SPECIFIED ON THE PLANS OR AS REQUIRED BY CODE.
 3. ALL EXISTING UTILITIES HAVE BEEN FIELD VERIFIED VERTICALLY AND HORIZONTALLY AT ALL POINTS OF CONNECTION AND AT ALL AREAS OF CONTACT WITH GDI INFRASTRUCTURE.

PAULSON & BARNETT
 Paulson & Barnett, LLC
 740 N. W. 107th Street, Suite 200
 Miramar, Florida 33181
 Paulson & Barnett, Inc. No. 20007

DATE: March 7, 2022



Sheet No.: C5.21

Submitted To:

ORANGE COUNTY, FL

Classified As:

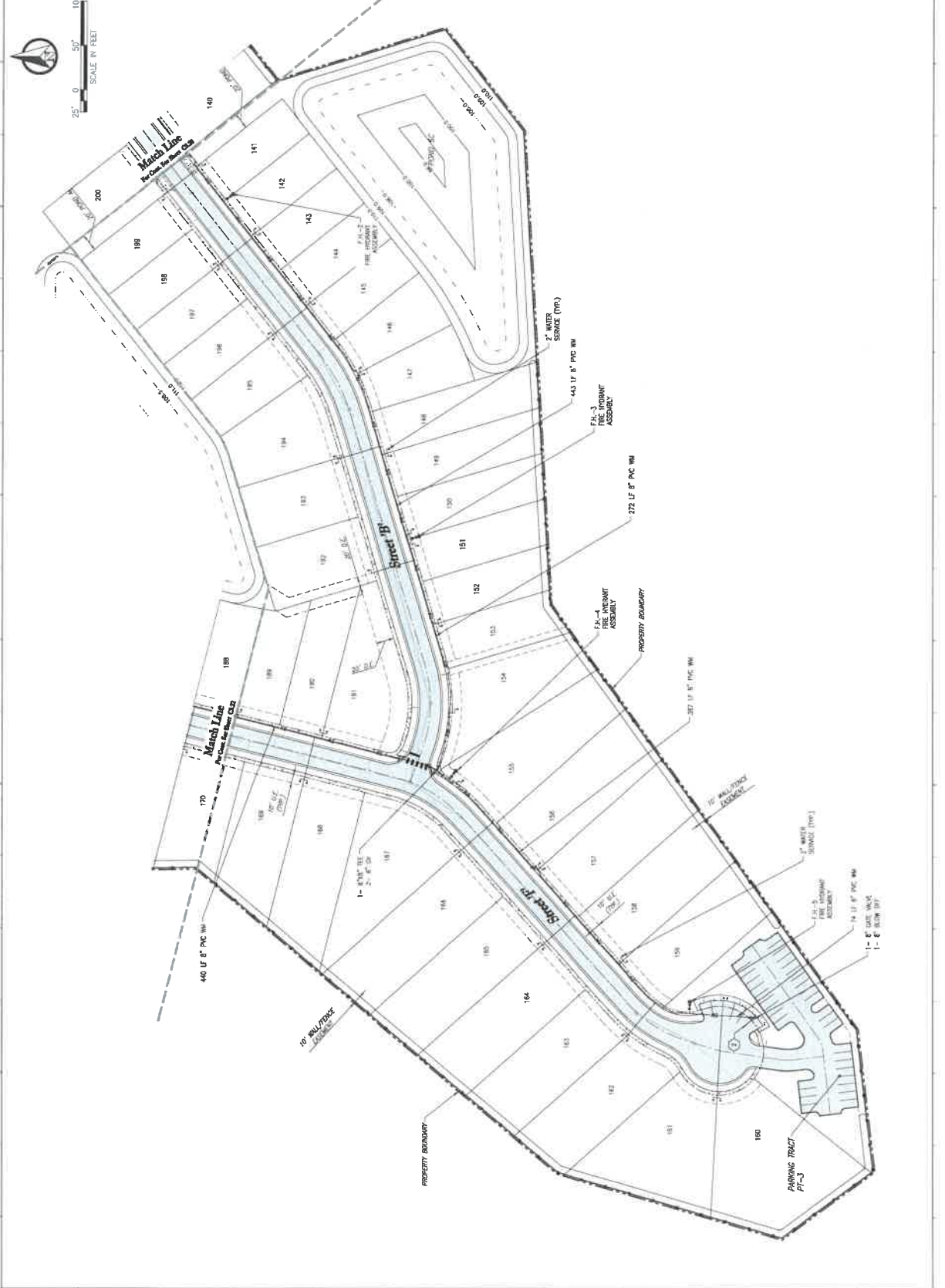
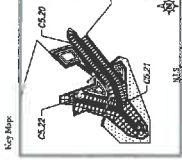
WATER DISTRIBUTION PLAN

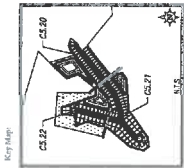
Project Name:

GRANDE PINES
 ORANGewood
 N-2 PD
 PARCEL 1HD
 PHASE 3

DATE	DESCRIPTION
11/20/21	ISSUED FOR PERMIT
11/15/21	REVISIONS
11/15/21	REVISIONS
11/15/21	REVISIONS
11/15/21	REVISIONS
11/15/21	REVISIONS
11/15/21	REVISIONS
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11/15/21	REVISIONS

DATE	DESCRIPTION
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11/15/21	REVISIONS
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11/15/21	REVISIONS
11/15/21	REVISIONS
11/15/21	REVISIONS





K-17 Map

Consultant:

DATE:	2022, March 17
SHEET NO.:	C5.22
PROJECT NAME:	GRANDE PINES ORANGEWOOD N-2 PD PARCEL MID PHASE 3
SUBMITTED TO:	ORANGE COUNTY, FL
SHEET TITLE:	WATER DISTRIBUTION PLAN

PROJECT NAME:
GRANDE PINES ORANGEWOOD N-2 PD PARCEL MID PHASE 3

Submittal To:
 ORANGE COUNTY, FL

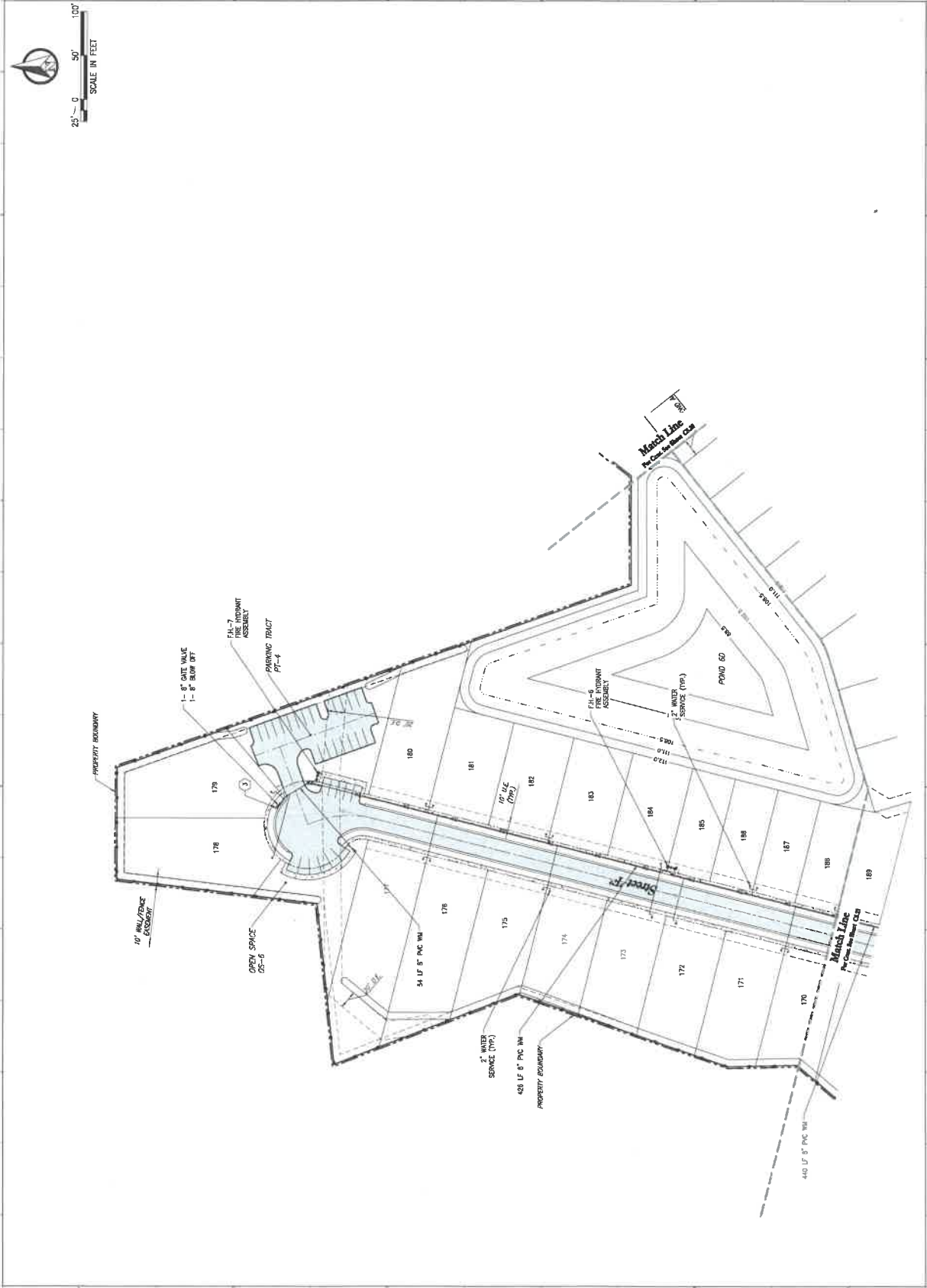
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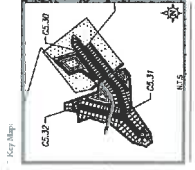
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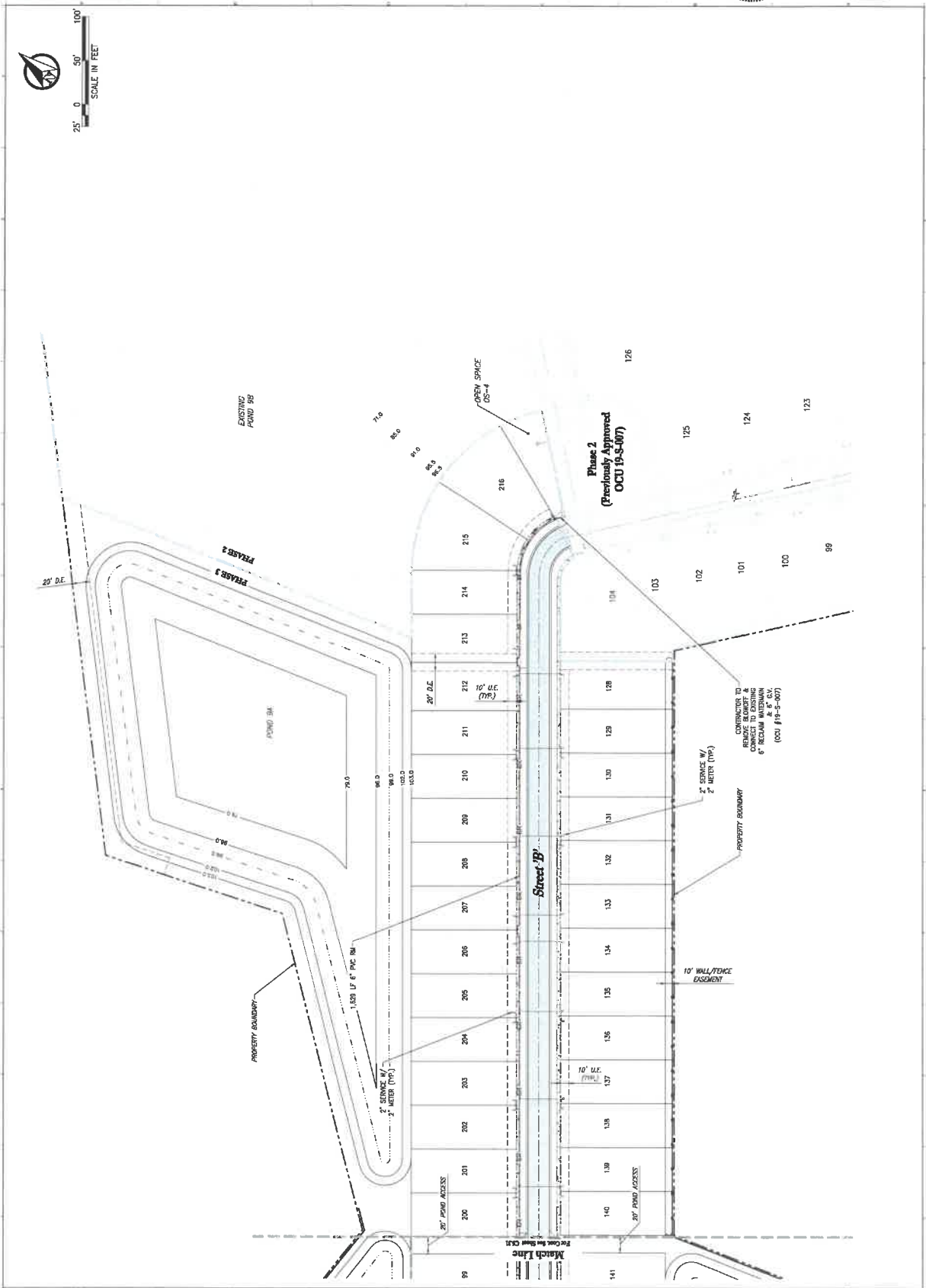
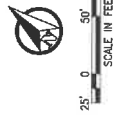
DATE: March 17, 2022

Paul D. Bennett, L.L.C.
 2805 E. Jupiter Rd., Orlando, FL 32803
 Tel: 407/477-3333
 Fax: 407/477-3334
 Eng. B. No. 23627





Key Map
 Consultant



PROJECT NO.	18-007
DATE	18-07
PROJECT NAME	GRANDE PINES ORANGEWOOD N-2 RD PARCEL 11D PHASE 3
PROJECT LOCATION	ORANGE COUNTY, FL
PROJECT TYPE	RECLAIM WATER DISTRIBUTION PLAN
DESIGNED BY	DAVID B. ...
DRAWN BY	...
CHECKED BY	...
SCALE	1" = 20'

Project Name:
**GRANDE PINES
 ORANGEWOOD
 N-2 RD
 PARCEL 11D
 PHASE 3**

Submitted To:
ORANGE COUNTY, FL

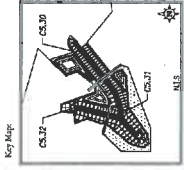
Sheet Title:
**RECLAIM WATER
 DISTRIBUTION PLAN**

Sheet No.:
CS.30



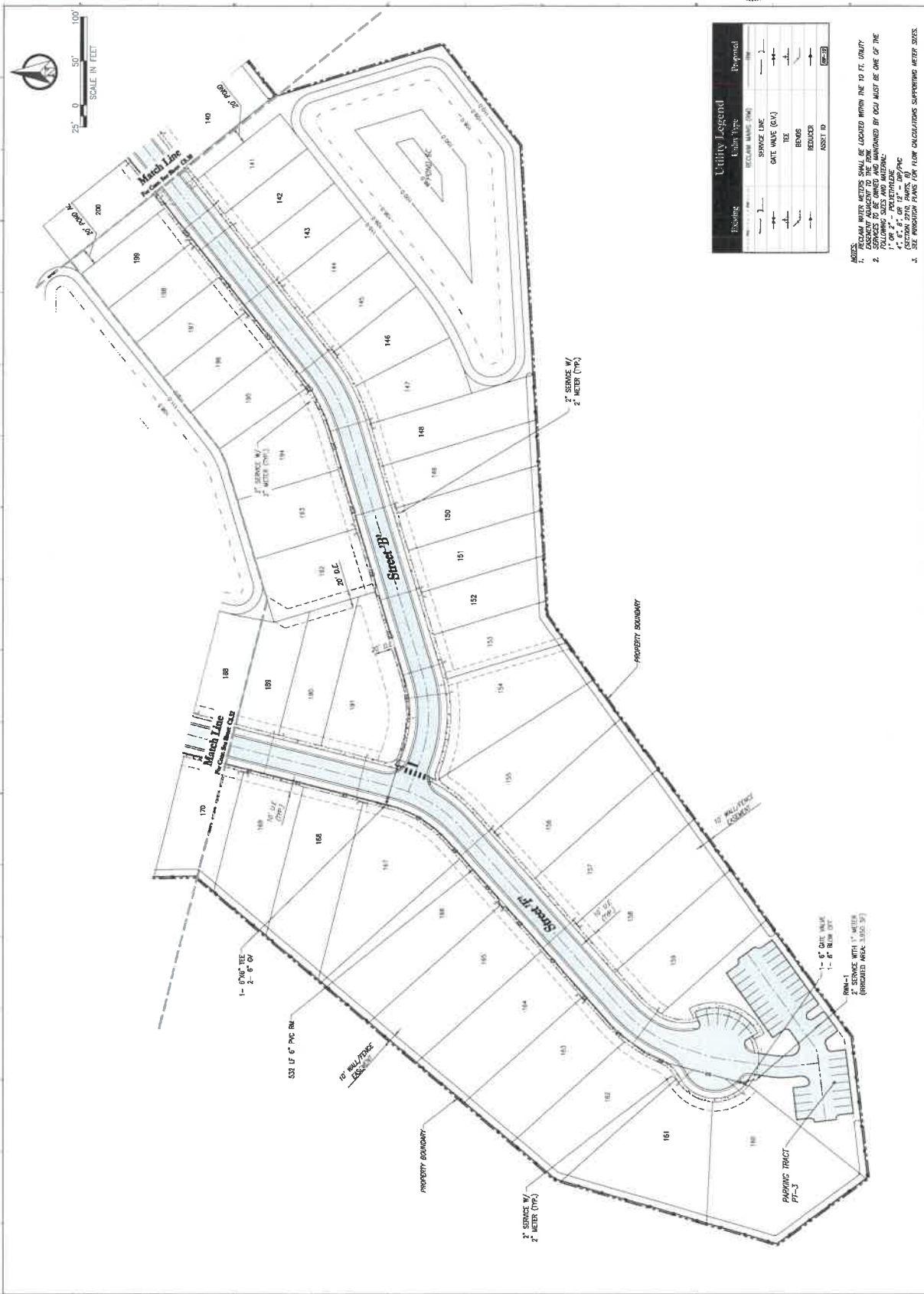
DATE: March 7, 2022
 Seal: [Professional Engineer Seal]
 Project: [Project Name]
 Sheet: [Sheet No.]
 Scale: [Scale]
 Title: [Sheet Title]

Paulson & Associates, LLC
 Paulson & Associates, LLC
 1111 E. ...
 Orlando, FL 32801
 Tel: 407-407-2000
 Fax: 407-407-2000
 Eng. Div. No. 15987



Key Map

Consultant



PROJECT INFORMATION

PROJECT NAME	GRANDE PINES ORANGEWOOD N-2 PD PARCEL 140 PHASE 3
OWNER	ORANGE COUNTY, FL
PROJECT NO.	C5.31
DATE	MARCH 7, 2022
DRAWN BY	[Signature]
CHECKED BY	[Signature]
DATE	[Signature]
SCALE	1" = 50'

Project Name
**GRANDE PINES
ORANGEWOOD
N-2 PD
PARCEL 140
PHASE 3**

Submitted To
ORANGE COUNTY, FL

Sheet Title
**RECLAIM WATER
DISTRIBUTION PLAN**

Sheet No: **C5.31**

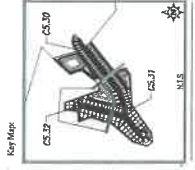
Date: **March 7, 2022**

Paulus & Seaman, LLC
14. 400 N. GULF BLVD., SUITE 200
FORT LAUDERDALE, FL 33309
Phone: 954.775.7272
www.paulusandseaman.com

Utility Legend	
Symbol	Utility Name
(Symbol)	RECLAIM WATER (RM)
(Symbol)	WATER (W)
(Symbol)	SEWER (S)
(Symbol)	GAS (G)
(Symbol)	ELECTRIC (E)
(Symbol)	TELEPHONE (T)
(Symbol)	ASBESTOS (A)

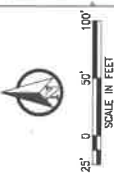
NOTES:

1. RECLAIM WATER METERS SHALL BE LOCATED WITHIN ONE TO TWO FEET FROM THE EXISTING SIDEWALK TO THE PROPERTY.
2. PROPERTY OWNERS AND HOMEOWNERS BY OCU MUST BE ONE OF THE FOLLOWING:
 - 1" ON 2" POLYETHYLENE GLYCOL (PE) WITH 1/2" PVC
 - 1" ON 2" POLYETHYLENE GLYCOL (PE) WITH 1/2" PVC
3. SEE PROVISIONS FOR FLOW CALCULATIONS SUPPORTING METER SIZES.



Key Map

Consent



PROJECT NO.	CS.32
DATE	March 7, 2022
PROJECT NAME	GRANDE PINES ORANGEWOOD N-2 PD PARCEL 11D PHASE 3
PROJECT LOCATION	ORANGE COUNTY, FL
DESIGNED BY	PAUL & SCARLETT
CHECKED BY	PAUL & SCARLETT
DATE	12-28

**GRANDE PINES
ORANGEWOOD
N-2 PD
PARCEL 11D
PHASE 3**

Submitted To:
ORANGE COUNTY, FL

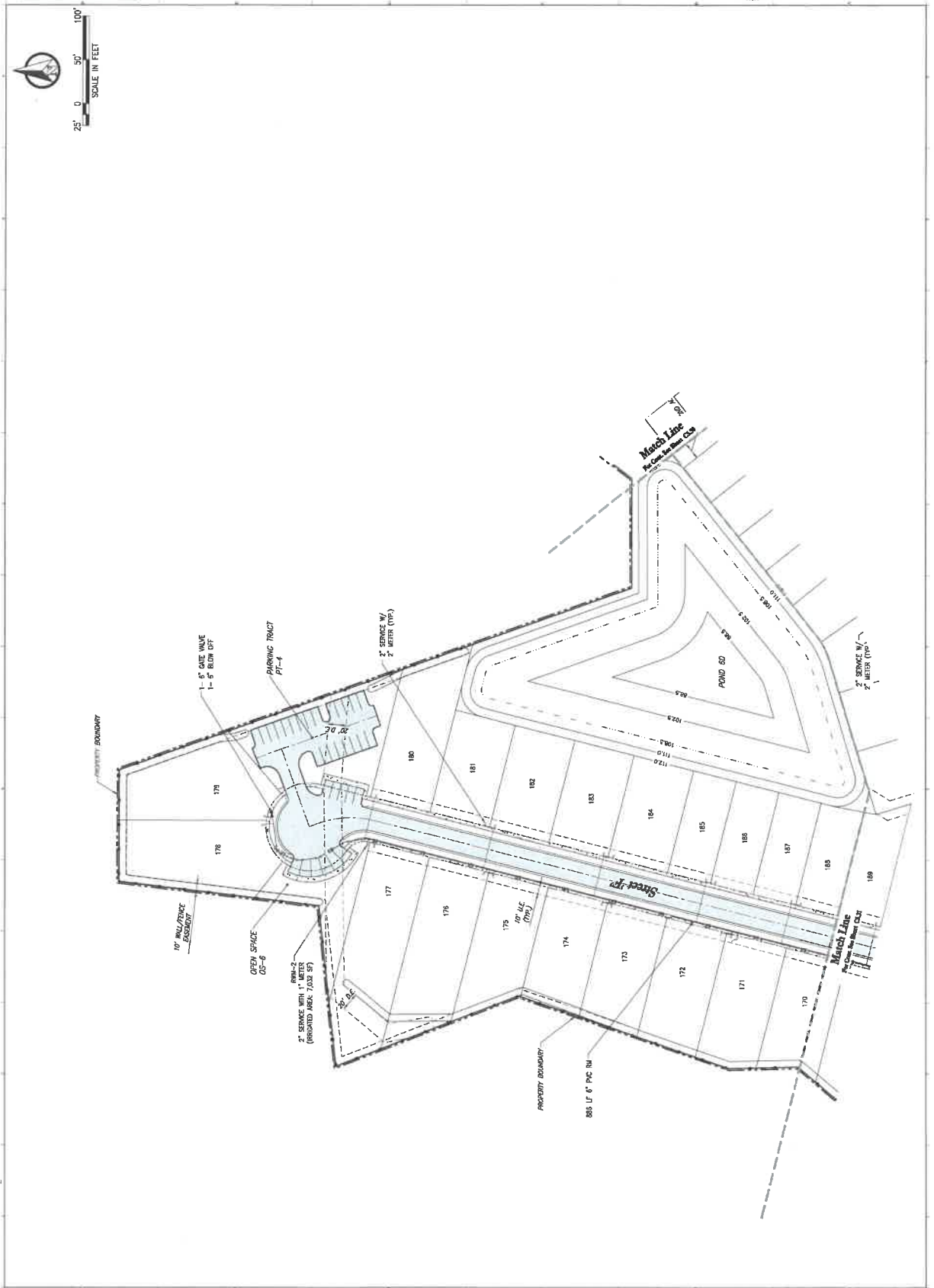
Sheet Title:
**RECLAIM WATER
DISTRIBUTION PLAN**

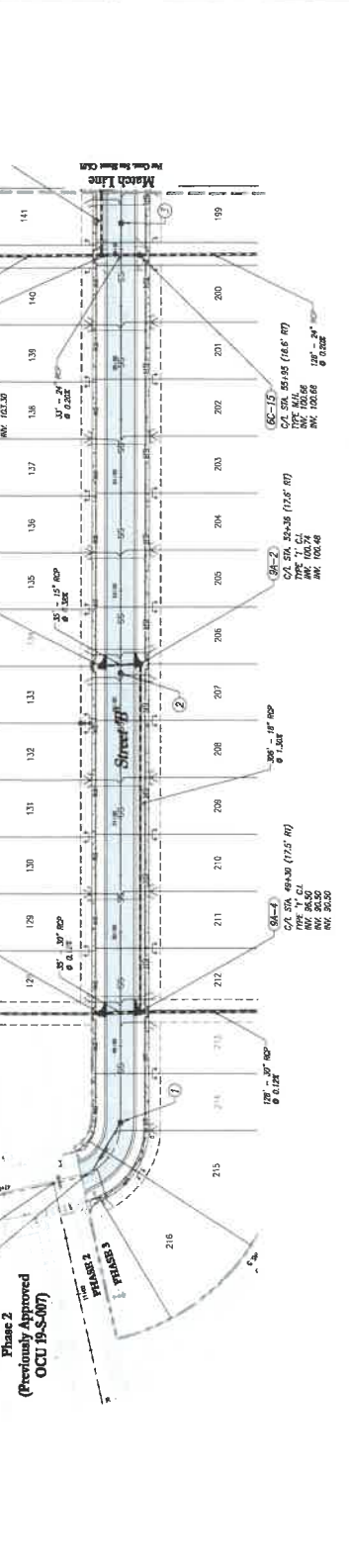
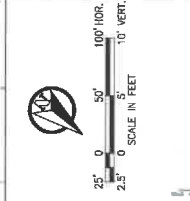
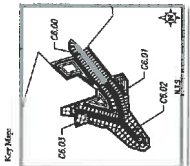
Sheet No.:
CS.32



DATE: March 7, 2022

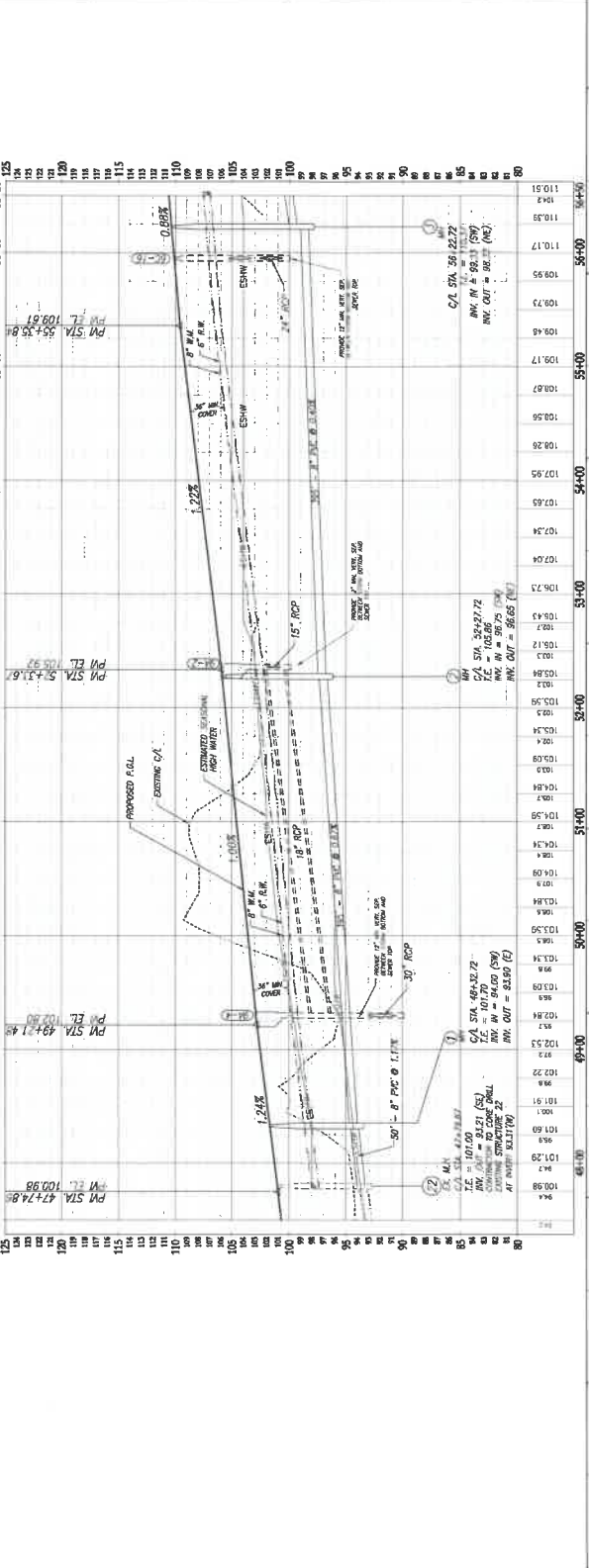
PAUL & SCARLETT
 Paul & Scarlett, LLC
 2025 E. Lakeview Dr., Suite 100
 Orlando, FL 32803
 Tel: 407.401.1111
 Fax: 407.401.1112
 Email: paul@paulandscarlett.com





- NOTES**
1. ALL HORIZONTAL SEPARATION BETWEEN SHADY SHEDS AND... (text partially obscured)
 2. ALL HORIZONTAL SEPARATION BETWEEN INTERSECTIONS/RECLAIMED... (text partially obscured)

Street B



Project Name:
**GRANDE PINES
ORANGEWOOD
N.J. RD.
PARCEL 11D
PHASE 3**

Submittal To:
ORANGE COUNTY, FL

Sheet Title:
PLAN & PROFILES

Sheet No:
C6.90



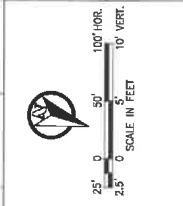
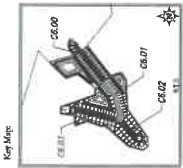
Prepared & Checked by: David L. Bennett
 Engineer, State of Florida, License No. 65008
 7500 N. US Highway 1, Suite 200
 Orlando, FL 32809
 Eng. Exp. No. 2007

Phase 2 (Previously Approved OCU 19-S-007)

BEGIN ROADWAY CONSTRUCTION
 STA. 47+50.00 ST. B'
 STA. 47+74.86 ST. B'
 SHW CUT EDGE AND MATCH
 EXISTING PAVEMENT

Vertical Curve Data:

STATION	PVI	L	G ₁ (%)	G ₂ (%)
49+29	49+29	137'	-0.02	0.18
50+98	50+98	109.67'	0.18	0.02
52+67	52+67	108.67'	0.02	1.22
54+36	54+36	108.67'	1.22	0.68
56+05	56+05	108.67'	0.68	1.10
57+74	57+74	108.67'	1.10	1.24



Vertical Curve Data:

VERTICAL CURVE	VERTICAL CURVE DATA
60-1	CA STA. 61421 (121.17) TYPE: 1, CA PVI: 61421 BVC: 61351 EVC: 61491 L: 40 W: 100.00
60-2	CA STA. 61421 (121.17) TYPE: 1, CA PVI: 61421 BVC: 61351 EVC: 61491 L: 40 W: 100.00
60-3	CA STA. 62489 (172.07) TYPE: 1, CA PVI: 62489 BVC: 62419 EVC: 62559 L: 40 W: 100.00
60-4	CA STA. 62489 (172.07) TYPE: 1, CA PVI: 62489 BVC: 62419 EVC: 62559 L: 40 W: 100.00
60-5	CA STA. 62489 (172.07) TYPE: 1, CA PVI: 62489 BVC: 62419 EVC: 62559 L: 40 W: 100.00

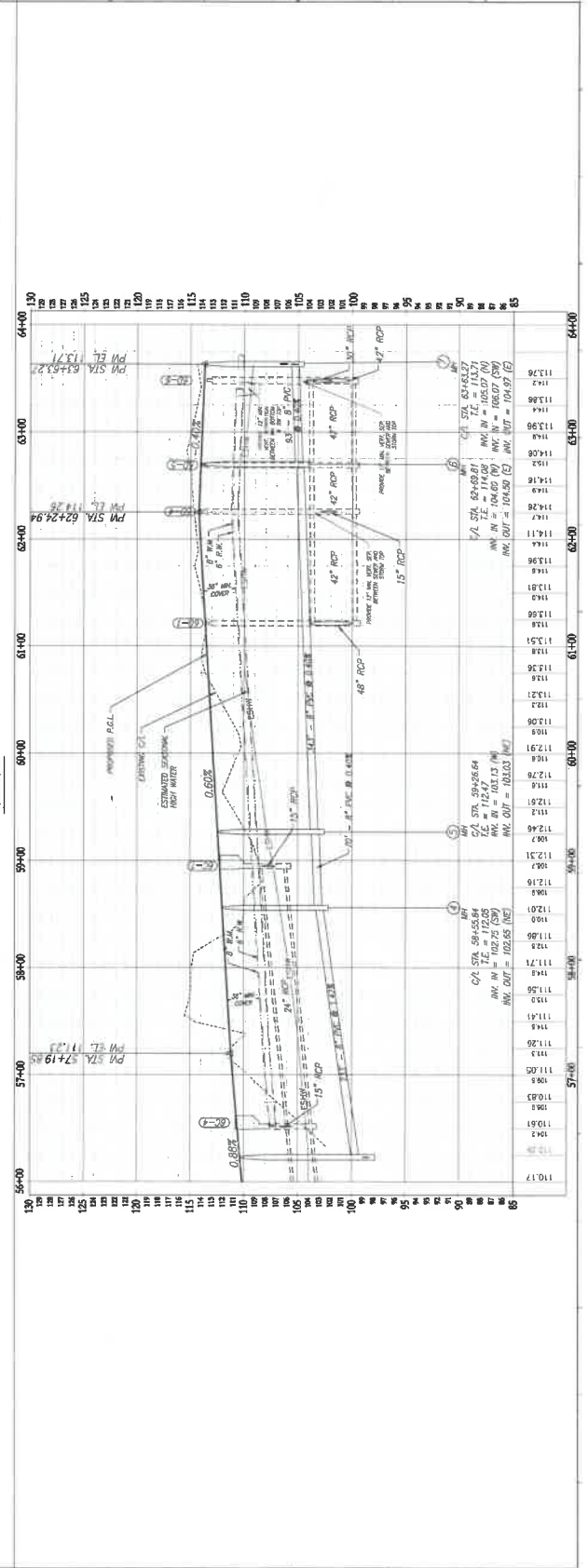
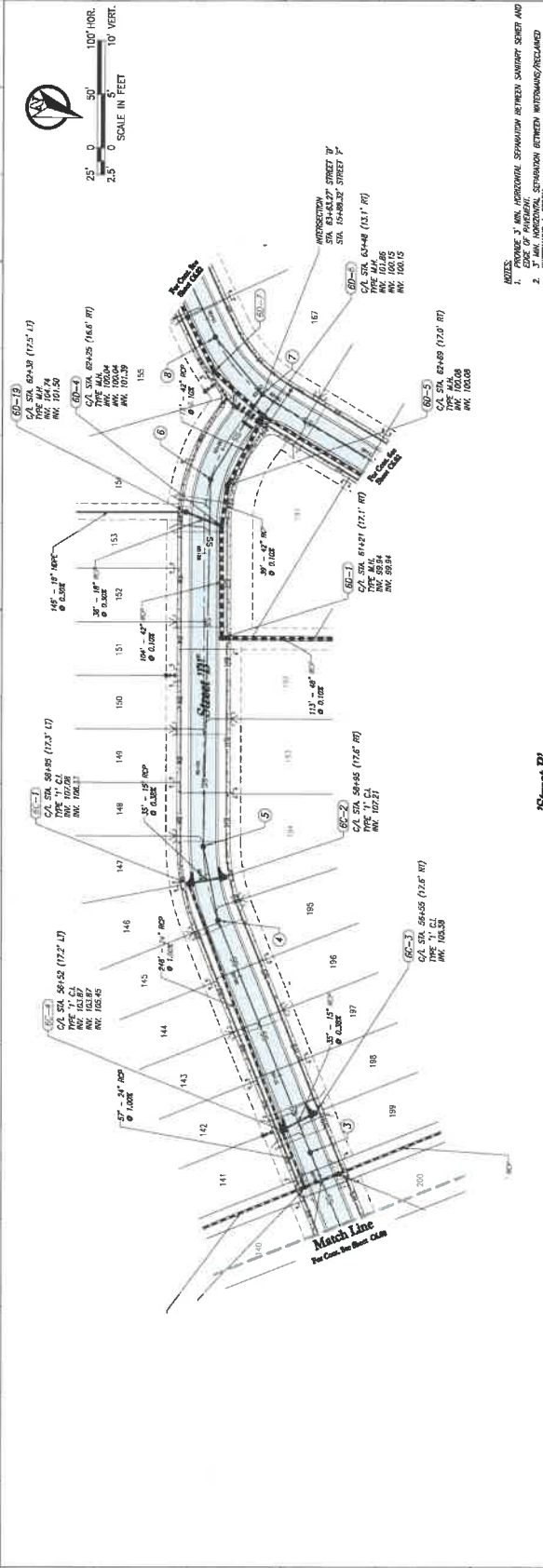
**GRANDE PINES
ORANGEWOOD**
N-2 PD
PARCEL MID
PHASE 3

Submittal To: **ORANGE COUNTY, FL**
Sheet Title: **PLAN & PROFILES**

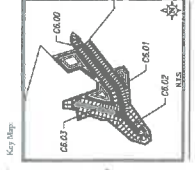
DATE: **March 7, 2022**
SHEET NO.: **C6.01**



POPLIN & ASSOCIATES
Pauline & Bennett, LLC
706 S. Orange Ave., Orlando, FL 32801
Tel: 407.977.1111
Fax: 407.977.1112



NOTES:
1. PROVIDE 3" MIN. HORIZONTAL SPANWIDTH BETWEEN SWAMPY SOILS AND EDGE OF PAVEMENT. SPANWIDTH BETWEEN WATERWAYS/DECAULD WATERWAYS & STORM.



Key Map

DATE: March 7, 2022

Sheet No. C6.03

Scale: 1" = 40'

PROJECT NO. 2022-0001

PROJECT NAME: GRAND PINES ORANGEWOOD N.O.P.D. PARCEL 11D PHASE 3

Submittal To: ORANGE COUNTY, FL

Submitted By: [Redacted]

Project Name: GRAND PINES ORANGEWOOD N.O.P.D. PARCEL 11D PHASE 3

Vertical Datum: NAVD 83

Horizontal Datum: NAD 83

Vertical Scale: 1" = 40'

Horizontal Scale: 1" = 40'

Vertical Datum: NAVD 83

Horizontal Datum: NAD 83

Vertical Scale: 1" = 40'

Horizontal Scale: 1" = 40'

Vertical Datum: NAVD 83

Horizontal Datum: NAD 83

Vertical Scale: 1" = 40'

Horizontal Scale: 1" = 40'

Project Name: GRAND PINES ORANGEWOOD N.O.P.D. PARCEL 11D PHASE 3

Submittal To: ORANGE COUNTY, FL

Submitted By: [Redacted]

Vertical Datum: NAVD 83

Horizontal Datum: NAD 83

Vertical Scale: 1" = 40'

Horizontal Scale: 1" = 40'

Vertical Datum: NAVD 83

Horizontal Datum: NAD 83

Vertical Scale: 1" = 40'

Horizontal Scale: 1" = 40'

Vertical Datum: NAVD 83

Horizontal Datum: NAD 83

Vertical Scale: 1" = 40'

Horizontal Scale: 1" = 40'

Vertical Datum: NAVD 83

Horizontal Datum: NAD 83

Vertical Scale: 1" = 40'

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Vertical Scale: 1" = 40'

Horizontal Scale: 1" = 40'

Vertical Datum: NAVD 83

Horizontal Datum: NAD 83

Vertical Scale: 1" = 40'

Horizontal Scale: 1" = 40'

Vertical Datum: NAVD 83

Horizontal Datum: NAD 83

Vertical Scale: 1" = 40'

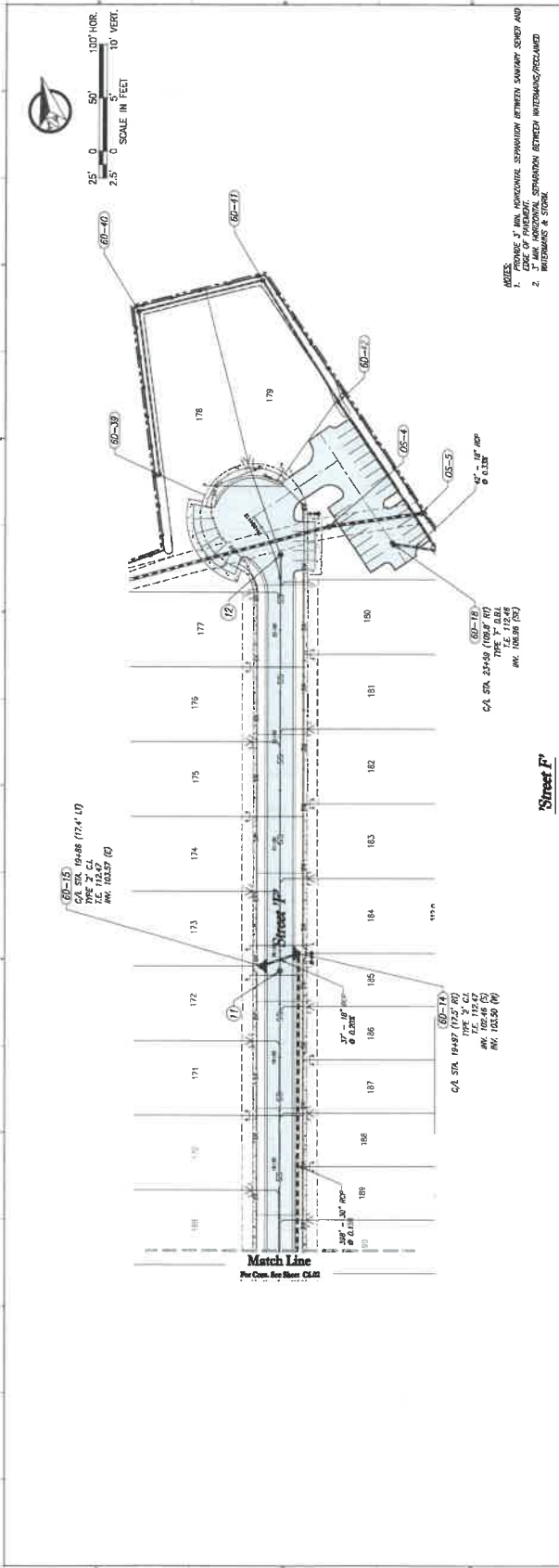
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Vertical Datum: NAVD 83

Horizontal Datum: NAD 83

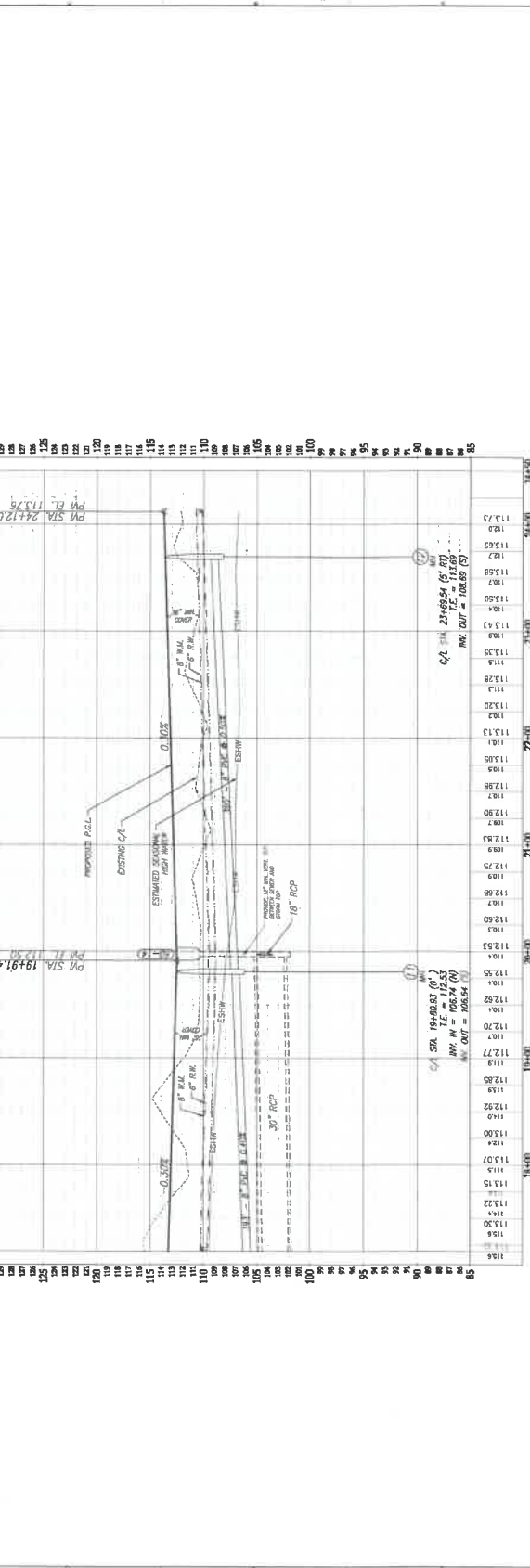
Vertical Scale: 1" = 40'

Horizontal Scale: 1" = 40'



Notes:

- PROVIDE 1/2" MIN. HORIZONTAL SEPARATION BETWEEN SWIMWAY, SLOPE AND...
- PROVIDE 1/2" MIN. HORIZONTAL SEPARATION BETWEEN INTERMEDIARY/PROCLAIMED...



Station	Elevation	Notes
130+00	105.00	
131+00	105.50	
132+00	106.00	
133+00	106.50	
134+00	107.00	
135+00	107.50	
136+00	108.00	
137+00	108.50	
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245+00	162.50	

Vertical Datum: NAVD 83

Horizontal Datum: NAD 83

Vertical Scale: 1" = 40'

Horizontal Scale: 1" = 40'

Vertical Datum: NAVD 83

Horizontal Datum: NAD 83

Vertical Scale: 1" = 40'

Horizontal Scale: 1" = 40'

Key Map

Contractor:

2. BARGE - SEE RECORDS FOR BARGE
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Project Name:
**GRANDE PINES
 ORANGEWOOD
 N-2 PD
 PARCEL 11D
 PHASE 3**

Submitted To:
ORANGE COUNTY, FL

Sheet Title:
**GENERAL
 CONSTRUCTION
 DETAILS**

Sheet No.:
C7.00



Paul J. Bennett
 Paul J. Bennett, LLC
 2815 S. 12th Avenue, Ocala, FL 32809
 Tel: 352.236.4444
 Fax: 352.236.4444
 Exp. Exp. No. 12889

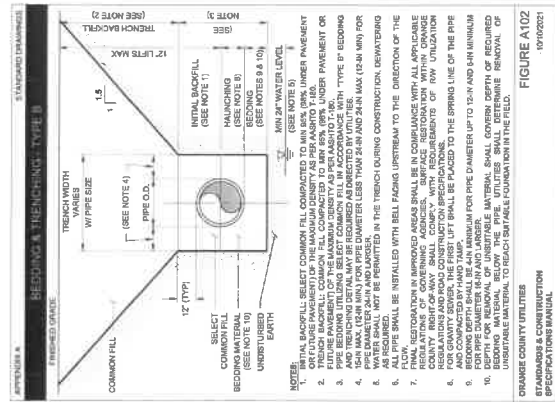


FIGURE A102
 STANDARD DRAWING - TRENCHING & TRENCHING - TYPE B

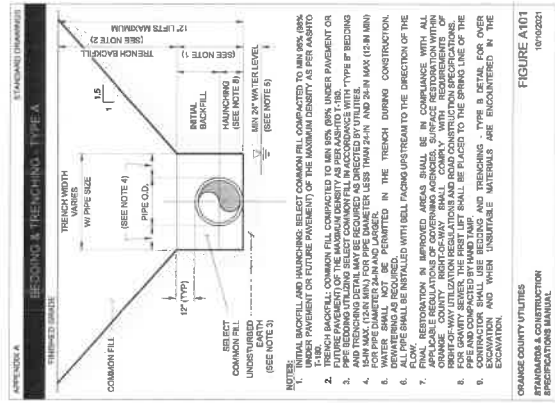


FIGURE A101
 STANDARD DRAWING - TRENCHING & TRENCHING - TYPE A

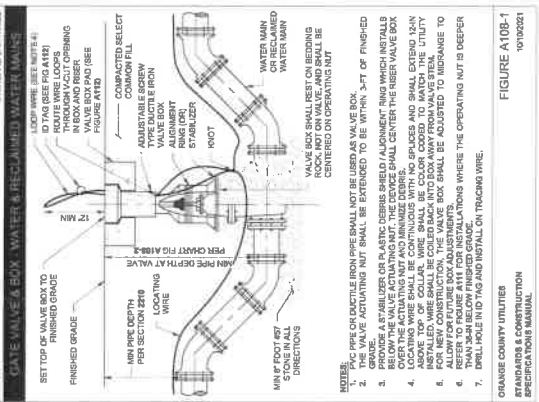


FIGURE A108-1
 STANDARD DRAWING - VALVE BOX DETAIL

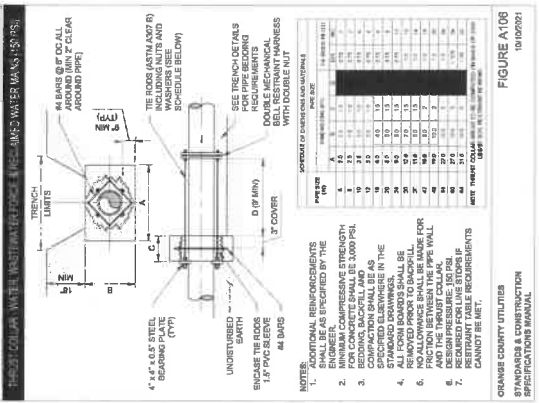


FIGURE A108
 STANDARD DRAWING - VALVE BOX DETAIL



Contract:

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	01/20/21
2	ISSUED FOR CONSTRUCTION	01/20/21
3	ISSUED FOR RECORD	01/20/21
4	ISSUED FOR RECORD	01/20/21
5	ISSUED FOR RECORD	01/20/21
6	ISSUED FOR RECORD	01/20/21
7	ISSUED FOR RECORD	01/20/21
8	ISSUED FOR RECORD	01/20/21
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GRAND PINES
ORANGEWOOD
N-2 PD
PARCEL 11D
PHASE 3

ORANGE COUNTY, FL
GENERAL
CONSTRUCTION
DETAILS

Sheet No: C7.03



Paul & Bennett, LLC
2602 E. Lakeview Dr., Orlando, FL 32803
Tel: 407.617.1111
Fax: 407.617.1112

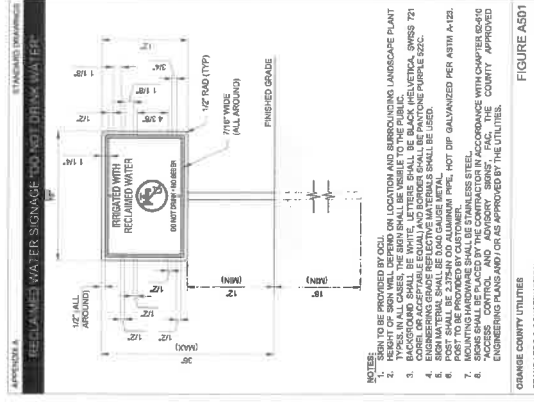


FIGURE A501
ORANGE COUNTY UTILITIES
STANDARDS & CONSTRUCTION
SPECIFICATIONS MANUAL
10/10/2021

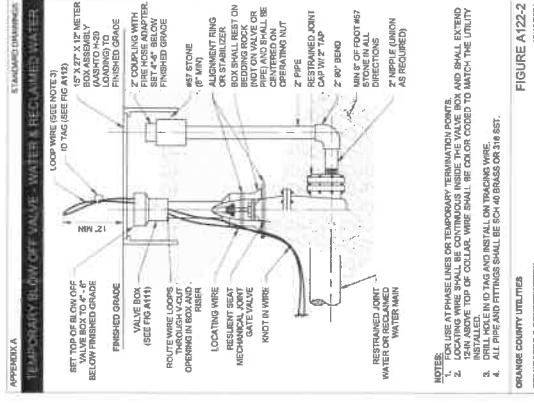


FIGURE A122-2
ORANGE COUNTY UTILITIES
STANDARDS & CONSTRUCTION
SPECIFICATIONS MANUAL
10/10/2021

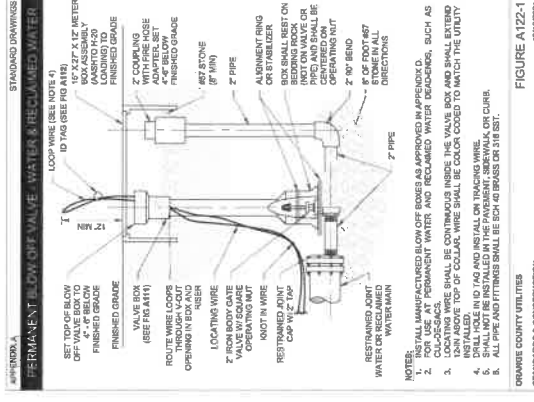


FIGURE A122-1
ORANGE COUNTY UTILITIES
STANDARDS & CONSTRUCTION
SPECIFICATIONS MANUAL
10/10/2021

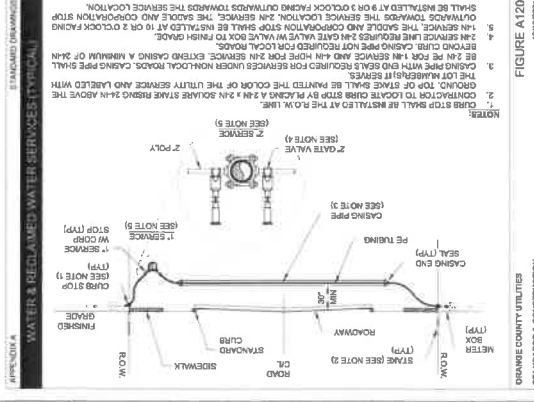


FIGURE A120
ORANGE COUNTY UTILITIES
STANDARDS & CONSTRUCTION
SPECIFICATIONS MANUAL
10/10/2021

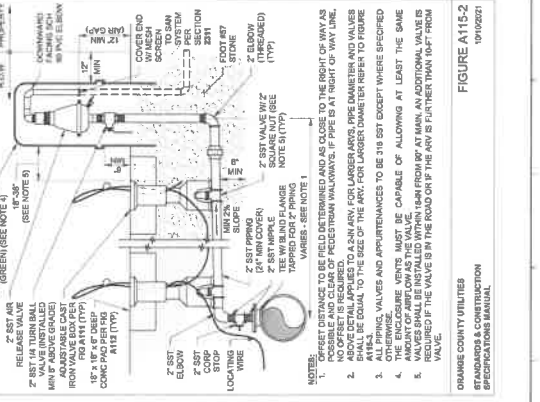


FIGURE A15-2
ORANGE COUNTY UTILITIES
STANDARDS & CONSTRUCTION
SPECIFICATIONS MANUAL
10/10/2021

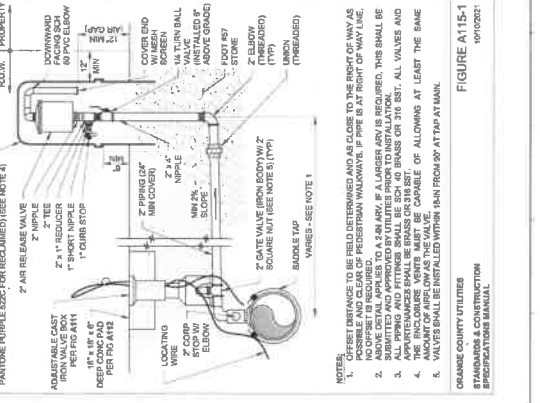


FIGURE A15-1
ORANGE COUNTY UTILITIES
STANDARDS & CONSTRUCTION
SPECIFICATIONS MANUAL
10/10/2021

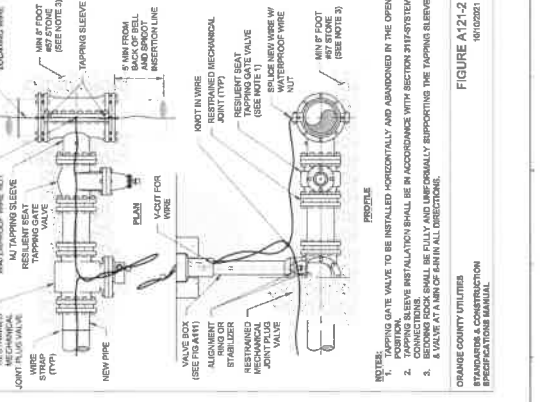


FIGURE A121-2
ORANGE COUNTY UTILITIES
STANDARDS & CONSTRUCTION
SPECIFICATIONS MANUAL
10/10/2021

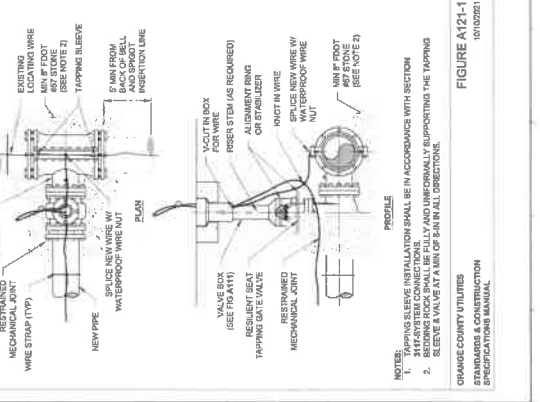


FIGURE A121-1
ORANGE COUNTY UTILITIES
STANDARDS & CONSTRUCTION
SPECIFICATIONS MANUAL
10/10/2021

Key Map:

APPENDIX A STANDARD DRAWINGS
WATER SAMPLE STATION

MAN SADDLE 2" GATE VALVE & VALVE BOX 2" PE TUBING CURB STOP (LOCKING TYPE) ABOVE GROUND SAMPLE STATION FINISHED GRADE VALVE BOX TO GRADE CURB STOP (LOCKING TYPE) 2" POLYETHYLENE TUBING 2" GATE VALVE SADDLE MAN

NOTES:

- A 2-IN. SAMPLE STATION INSTALLED AT THE END OF A 42.06-SAC CAN ALSO SERVE AS A BENCH VALVE WHEN NOT REQUIRED.

ORANGE COUNTY UTILITIES STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL
19/10/2021
FIGURE A201-1

APPENDIX A STANDARD DRAWINGS
FIRE HYDRANT ACCESSORY (STANDARD CONNECTION)

EXPANSION FIBER MATERIAL BETWEEN FRSB CONCRETE EDGES (FRSB CONCRETE EDGES (FRSB) SEE NOTE 4) VALVE BOX (TYPE) SIDEWALK ANCHORING TEE COMPACTED PAVEMENT 2" TO 7" FROM ESP APPROX. 3.5" x 8" x 8" SHEAR PAD WITH REINFORCING BARS FLANGED CONNECTION DUCTILE IRON FOOT AND STONE IN ALL DIRECTIONS (8" MIN) GATE VALVE (REQUIRED AT ANCHORING TEE) EDGE OF PAVEMENT HYDRANT BARREL PLACED AT 110-COPY LINE APPROX. 3.5" x 8" x 8" SHEAR PAD WITH REINFORCING BARS PLAN VIEW 110-COPY LINE G.W. R.O.W. B.S.W. 110-COPY LINE

NOTES:

- CENTER OF THE FLANGED CONNECTION SHALL BE 48" TO 54" FROM THE TOP OF THE SLAB.
- THIS CONNECTION SHALL BE SET AT LEAST 18" FROM THE EDGE OF THE PAVEMENT.
- CONCRETE SHALL BE SET AT LEAST 18" FROM THE EDGE OF THE PAVEMENT.
- MONITOR COLORS TO BE DETERMINED BY EJECTOR.
- ADJUSTMENT SHALL BE REQUIRED FOR HYDRANT BURN DEPTH ADJUSTMENT. HYDRANT BURN SHALL BE CENTERED ON BURN PAD.
- CONNECTION SHALL BE CENTERED AT 110-COPY LINE.
- ALL TIES SHALL BE SET AT LEAST 18" FROM SIDE OF PAVEMENT.
- HYDRANT SHALL BE SET AT LEAST 18" FROM SIDE OF PAVEMENT.

ORANGE COUNTY UTILITIES STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL
19/10/2021
FIGURE A203-1

APPENDIX A STANDARD DRAWINGS
SWABBER AND BENCH POINT

ENTRY SWAB CATCHER BENCH POINT DETAIL ENTRY SWAB CATCHER BENCH POINT DETAIL ENTRY SWAB CATCHER BENCH POINT DETAIL ENTRY SWAB CATCHER BENCH POINT DETAIL

NOTES:

- SWAB PIPES SHALL BE INSTALLED AND BURNED IN PLACE PRIOR TO CONSTRUCTION.
- SWAB PIPES SHALL BE 2" IN DIAMETER.
- CONCRETE SHALL BE SET AT LEAST 18" FROM SIDE OF PAVEMENT.

ORANGE COUNTY UTILITIES STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL
19/10/2021
FIGURE A205

Consult:

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	10/10/2021

VERTICAL DATUM: NAVD 83
PROJECT NO.: N.2 PD
DRAWING NO.: S.01M
DESIGNED BY: EN. J. W. B.
CHECKED BY: EN. J. W. B.

PROJECT NAME: GRANDE PINES ORANGEWOOD N.2 PD PARCEL 11D PHASE 3
SUBMITTAL TO: ORANGE COUNTY, FL
SHEET TITLE: STANDARD WATER DETAILS
DATE: March 7, 2022
SCALE: C7.10

ORANGE COUNTY UTILITIES STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL

ENGINEER: P. J. BARNETT
REGISTERED PROFESSIONAL ENGINEER
No. 12042
State of Florida
Exp. 08/31/2024
7401 N.W. 16th Street, Suite 300
Davie, FL 33317

FOR THE CLIENT: Paul Jones & Bennett, LLC
3000 S. Highway 1, Orlando, FL 32809
Tel: 407.601.3660
Fax: 407.601.3661
www.pjb.com

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	10/10/2021

PROJECT NAME: GRANDE PINES ORANGEWOOD N.2 PD PARCEL 11D PHASE 3
SUBMITTAL TO: ORANGE COUNTY, FL
SHEET TITLE: STANDARD WATER DETAILS
DATE: March 7, 2022
SCALE: C7.10

ORANGE COUNTY UTILITIES STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL

ENGINEER: P. J. BARNETT
REGISTERED PROFESSIONAL ENGINEER
No. 12042
State of Florida
Exp. 08/31/2024
7401 N.W. 16th Street, Suite 300
Davie, FL 33317

FOR THE CLIENT: Paul Jones & Bennett, LLC
3000 S. Highway 1, Orlando, FL 32809
Tel: 407.601.3660
Fax: 407.601.3661
www.pjb.com

SECTION VII

SECTION A

Customer Call Log - Valencia Water Control District							
Date	Name	Subdivision	Address	Issue	Pond/Canal Name	Resolution	Date Resolved
3/22/22	Sarah	Somerset	Didn't Provide	Called to see when mowing would resume on the ponds	N/A	Ms. Vanderbilt advised that mowing would start in mid-April/by May 1st and continue twice a month until November.	3/22/22
3/22/22	Mike Morris	Deer Creek	5420 Deer Creek Drive	Called regarding diesel pump that was located in pond that had been running for the last 4 days and had drawn the pond down halfway. Was concerned the pond was being removed/converted into a dry retention pond.	Deer Creek Pond 4	Mr. Flint reviewed the area and called Orange County and confirmed that a contractor was hired to work on an Orange County pipe located under the pond and the water needed to be drawn down to access it. Ms. Vanderbilt called the resident back and explained that the water would go back up once work was complete.	3/23/22
4/1/22	Inspector Hodgen (Orange County Code Enforcement)	Deer Creek	5124 Deer Creek Drive	Called on behalf of resident that reported to them tall grass and weeds at the District pond. Inquired about work being done by Orange County where pond was drawn down to work on the pipe. Concerned something may have been wrong with flooding or there was pending development going on. Also reported Deepdale Drive was flooded the weekend prior after heavy rains and wondered if work was related.	Deer Creek Pond 1B	Ms. Vanderbilt advised that mowing would start in mid-April/by May 1st and continue twice a month until November. Insepector would report to the resident.	4/1/22
4/4/22	Ursula Annunziata	Deer Creek	5414 Deer Creek Drive		Deer Creek Pond 4	Ms. Vanderbilt advised that the County was repairing a pipe leading to the District's pond and that's why the water was drawn down. As far as any flooding in the streets, due to rains, would need to be reported to Orange County stormwater division.	4/4/22

SECTION B

SECTION 1

Sthern Environmental Inc.

4094 Thomassa Ct.
Orlando, FL 32812
dbrown@sthernenviro.com

Estimate

Estimate #	AE108		
Date	3/23/2022	Valid Through	3/23/2022
Due on receipt			

Attention:

Valencia Water Control District
10365 Orangewood Blvd
Orlando, FL 32821

Description	Total
Estimate to repair, refurbish, and make useable the gate on the east side of the c-11 for Valencia Water Control District. \	
Included: Removal of trees and as much of the root mass as possible/ treat plus dumb all debris offsite Spread 57 stone over are to make useable. Any extra will be used on the bank adjacent to the gate. Repair gate and replace any parts that may not allow gate to work properly	
Skidsteer time	1,712.40
57 stone material and delivery	1,479.60
Hourly Labor	1,575.00
Materials for job	575.00
Trash removal	300.00
Fill Dirt Material and Delivery	960.00

Signature to proceed _____

A signature to proceed is a legally binding contract of this agreement as stated above and shall not include any additional work without a signed written agreement. No work shall begin without a signature to proceed. Please sign, print, and date.

Total

\$6,602.00

SECTION 2

Sthern Environmental Inc.
 4094 Thomassa Ct.
 Orlando, FL 32812
 dbrown@stthernenviro.com

Estimate

Estimate #	AE105		
Date	3/16/2022	Valid Through	3/31/2022
Due on receipt			

Attention:
Valencia Water Control District 10365 Orangewood Blvd Orlando, FL 32821

Description	Total
Estimate to place rock and soil at the outfall flume on the C-5 for Valencia Water Control District. The purpose of this work is to build up the bank and stabilize a drivable surface. Included in this work is to use of a mini excavator and remove a line of trees at the outfall to help water flow per engineers request	
Skidsteer and attachments	3,424.80
Mini Excavator	1,712.40
Hourly Labor	1,350.00
Materials for job	1,750.00
57 stone material and delivery	4,438.80
Fill Dirt Material and Delivery	1,440.00
Estimate to clean up the area of the outfall in the Briarwood community for Valencia Water Control District.	
Skidsteer and attachments	1,712.40
Hourly Labor	337.50
Note: due to the current economy and price flux, prices are only good for 30 days	

Signature to proceed _____

A signature to proceed is a legally binding contract of this agreement as stated above and shall not include any additional work without a signed written agreement. No work shall begin without a signature to proceed. Please sign, print, and date.

Total	\$16,165.90
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