



REGULAR CITY COUNCIL MEETING

6:30 PM – COUNCIL CHAMBERS – CITY HALL

APRIL 18, 2017

AGENDA

ALL CITIZENS DESIRING TO ADDRESS THE PORT ORANGE CITY COUNCIL DURING CITIZEN PARTICIPATION SHOULD COMPLETE A SPECIAL APPLICATION FORM WHICH IS LOCATED ON THE STANDS OUTSIDE THE COUNCIL CHAMBERS. AFTER COMPLETING THE FORM, PRESENT IT TO THE CITY CLERK.

A. OPENING

1. Pledge of Allegiance
2. Invocation by Calvin Gittner of Port Orange Presbyterian Church
3. Roll Call

B. CONSENT AGENDA

4. Approval of Minutes
 - a. March 27, 2017 - City Council Workshop
 - b. March 28, 2017 - Regular City Council Meeting
5. Public Comments on Consent Agenda Items Only
6. Agenda Approval
7. Renewal of Employee Health, Dental and Life Insurance Plans
8. Approval of the Third Amendment to the Interlocal Agreement Between Ponce Inlet and the City of Port Orange for Billing Sewer Services
9. Addendum No. 9 to Quentin L. Hampton Associates, Inc. contract for site and subdivision inspection services
10. Subordination of SHIP Down Payment Assistance Second Mortgage - Lonitz

C. CITIZEN PARTICIPATION (Agenda)

11. State of Our Community Health System - Ann Martorano, Chief Operating Officer & Administrator of Halifax Health Port Orange
12. Update from the Port Orange Historical Trust

D. CITIZEN PARTICIPATION (Non-Agenda – 15 minutes)

E. COUNCIL COMMENTS

13. Comments/Concerns from Council Members

F. SPECIAL AWARDS, REPORTS, RECOGNITION AND PROCLAMATIONS

14. Motorcycle Safety Awareness Month

15. Arbor Day Proclamation

16. Actuarial Report from Dave Leonard - General Employees' Pension Plan

G. BOARD APPOINTMENTS, INTERVIEWS, REPORTS

17. Citizen Advisory Committee for TPO

H. PUBLIC HEARING

18. Second Reading - Ordinance No. 2017-7 - City Logo/Seal Ordinance Amendment

19. Second Reading - Ordinance No. 2017-8 - Minor Chapter 50 Clean-up Amendment

20. First Reading - Ordinance No. 2017-10 – Rezoning/6080 Deerfeed Trail, Case No. 17-60000001

21. Final Plat & Plans and Subdivision Variance for the Woodhaven Subdivision, Phase I, North of Williamson Boulevard, east of I-95, Case No. 17-50000001

I. REGULAR AGENDA

22. Change order CXT

23. Bid Award ITB #17-17 Landscaping Improvements on State Road 5/US1/Ridgewood Avenue FM#437858-1-58-01

24. Addendum No. 10 to the Quentin L. Hampton Associates, Inc. contract for Construction Engineering and Inspection (CEI) services for the Landscaping Improvements on State Road 5/US 1/Ridgewood Avenue

25. Discussion on Lease Extension with ArtHaus Foundation, Inc. for the City-owned property located at 3840 Ridgewood Avenue

26. City Manager's Evaluation

J. COMMENTS

27. City Attorney Comments

28. City Manager Comments

K. COUNCIL COMMITTEE REPORTS

29. City Council Committee Reports

- a. Port Orange/South Daytona Chamber of Commerce
- b. Roundtable of Elected Officials
- c. ArtHaus

L. ADJOURNMENT

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION MADE BY THE CITY COUNCIL WILL NEED A RECORD OF THE PROCEEDINGS, AND FOR SUCH PURPOSE HE OR SHE MAY NEED TO ENSURE AT HIS OR HER OWN EXPENSE FOR THE TAKING AND PREPARATION OF A VERBATIM RECORD OF ALL TESTIMONY AND EVIDENCE OF THE PROCEEDINGS UPON WHICH THE APPEAL IS TO BE BASED.

NOTE: IF YOU ARE A PERSON WITH A DISABILITY WHO NEEDS ANY ACCOMMODATION IN ORDER TO PARTICIPATE IN THIS PROCEEDING, YOU ARE ENTITLED, AT NO COST TO YOU, TO THE PROVISION OF CERTAIN ASSISTANCE. PLEASE CONTACT THE CITY CLERK FOR THE CITY OF PORT ORANGE, 1000 CITY CENTER CIRCLE, PORT ORANGE, FLORIDA 32129, TELEPHONE NUMBER 386-506-5563, WITHIN 2 WORKING DAYS OF YOUR RECEIPT OF THIS NOTICE OR 5 DAYS PRIOR TO THE MEETING DATE; IF YOU ARE HEARING OR VOICE IMPAIRED, CONTACT THE RELAY OPERATOR AT 1-800-955-8771.

ANY INVOCATION THAT IS OFFERED BEFORE THE OFFICIAL START OF THE CITY COUNCIL MEETING SHALL BE THE VOLUNTARY OFFERING OF A PRIVATE PERSON, TO AND FOR THE BENEFIT OF THE CITY COUNCIL. THE VIEWS OR BELIEFS EXPRESSED BY THE INVOCATION SPEAKER HAVE NOT BEEN PREVIOUSLY REVIEWED OR APPROVED BY THE CITY COUNCIL OR THE CITY STAFF, AND THE CITY IS NOT ALLOWED BY LAW TO ENDORSE THE RELIGIOUS BELIEFS OR VIEWS OF THIS, OR ANY OTHER SPEAKER. PERSONS IN ATTENDANCE AT THE CITY COUNCIL MEETING ARE INVITED TO STAND DURING THE OPENING INVOCATION AND PLEDGE OF ALLEGIANCE. HOWEVER, SUCH INVITATION SHALL NOT BE CONSTRUED AS A DEMAND, ORDER, OR ANY OTHER TYPE OF COMMAND. NO PERSON IN ATTENDANCE AT THE MEETING SHALL BE REQUIRED TO PARTICIPATE IN ANY OPENING INVOCATION THAT IS OFFERED. A PERSON MAY EXIT THE CITY COUNCIL CHAMBERS AND RETURN UPON COMPLETION OF THE OPENING INVOCATION IF A PERSON DOES NOT WISH TO PARTICIPATE IN OR WITNESS THE OPENING INVOCATION.

CITY COUNCIL WORKSHOP MINUTES
COUNCIL CHAMBERS – CITY HALL
1000 CITY CENTER CIRCLE
MARCH 27, 2017

THE CITY COUNCIL WORKSHOP of the City of Port Orange was called to order by Mayor Donald Burnette at 6:30 p.m.

Pledge of Allegiance

Silent Invocation

Roll Call:	Present:	Councilman Chase Tramont Councilman Scott Stiltner Councilman Drew Bastian Vice Mayor Bob Ford Mayor Donald Burnette
	Also Present:	Jake Johansson, City Manager Matthew Jones, Deputy City Attorney Robin Fenwick, City Clerk

DISCUSSION ITEMS

4. Feral cat program discussion

Thomas Grimaldi, Police Chief, spoke regarding the feral cat program and discussed serious concerns as well as options to improve it.

Council doesn't see that the program is working to reduce the overpopulation of feral cats. They share the concerns of many regarding the nuisance of the feral cats. Council would like to have a boundary buffer around schools and parks. Enforcement will be a big component for success.

Citizens discussed their support of the feral cat program, as well as their concerns with some of the changes being proposed.

Council wants to continue the program with more communication with CCFAW and education. Staff will work with CCFAW to organize the effort.

5. Right-of-Way License Agreement for Pavers Discussion

Jamie Miller, Administrative Services Director, discussed the City's process regarding License Agreements for pavers in the City's right-of-way areas.

Council discussed their concerns relating to the liability and risk issues but they would like to keep the process and are willing to take some risk to have the License Agreement run with the land rather than with the property owner.

Councilman Stiltner suggested pavers in the driveway and apron but would like the sidewalk to consistently be concrete where the additional risk issue is avoided.

Council agreed to pavers all the way to the roadway when there are no plans for sidewalks via a License Agreement; drop the requirement for \$25,000 insurance but require hold harmless indemnification; and agreed to pavers in the apron. Council does not agree to pavers on the sidewalk. Council wants the License Agreement to run with the land. They agreed to the License Agreements being done administratively rather than needing Council approval.

ADJOURNMENT: 9:25 p.m.

Mayor Donald O. Burnette

Attest:

Robin Fenwick, CMC
City Clerk

REGULAR CITY COUNCIL MEETING MINUTES
COUNCIL CHAMBERS – CITY HALL
1000 CITY CENTER CIRCLE
MARCH 28, 2017

THE REGULAR CITY COUNCIL MEETING of the City of Port Orange was called to order by Mayor Don Burnette at 6:30 p.m.

Pledge of Allegiance

Invocation was provided by Rev. David Stork of Center for Spiritual Living.

Roll Call:	Present:	Councilman Chase Tramont Councilman Drew Bastian Vice Mayor Bob Ford Mayor Don Burnette
	Absent:	Councilman Scott Stiltner
	Also Present:	Jake Johansson, City Manager Margaret T. Roberts, City Attorney Robin Fenwick, City Clerk

Council recessed to hold the Town Center CRA and Eastport CRA Meetings, minutes which are under separate cover.

TOWN CENTER CRA MEETING

EASTPORT CRA MEETING

Re-convened as the City Council at 6:57 p.m.

CONSENT AGENDA

4. Public Comments on Consent Agenda Items Only

There were none.

5. Agenda Approval

Items #9 and #13 were pulled for further discussion.

6. Approval of Minutes

- a. February 28, 2017 - Special City Council Meeting/Workshop
- b. March 7, 2017 - Regular City Council Meeting

7. Resolution No. 17-13 - Budget Appropriation

8. Resolution No. 17-14 - Economic Incentive Agreement Program for Town Center CRA

9. Resolution No. 17-15 - Temporary Waiver of Sewer Connection Fees

10. Resolution No. 17-16 - FIND Grant Application Boat Ramp and Floating Dock

11. Resolution No. 17-17 - FIND Grant Application T-Pier Reconstruction and Demolition of East Pier

12. Cypress Creek PTA Fee Waiver Request

13. Purchasing Manual Section 3.01 revision relating to Purchasing Authority

Motion to approve the Consent Agenda as amended was made by Councilman Bastian, and Seconded by Councilman Tramont. Motion carried unanimously by roll call vote.

9. Resolution No. 17-15 - Temporary Waiver of Sewer Connection Fees

Margaret Roberts, City Attorney, provided details of the change in the end date.

Mayor Burnette read Resolution No. 17-15.

Motion to approve was made by Councilman Bastian, and Seconded by Councilman Tramont.

Vice Mayor Ford explained the positive impact on the waters by moving to sewer connections.

Councilman Tramont wants to ensure there is a solid communication plan for residents. Mr. Johansson confirmed Staff will be sending certified letters, as well as other media announcements as required by law.

Mr. Johansson requested the item be tabled to ensure the resolution matches Staff's intent. The original plan was for a 12-month incentive program with the first nine waiving the connection charge. The remaining three months would allow additional time before residents are held accountable to meet the Florida Statute. He's not sure the amended resolution matches the plan correctly. He asked Council to table the item or approve it subject to the resolution matching the plan.

Motion to amend to ensure the resolution matches the plan as stated by the City Manager was made by Vice Mayor Ford, and Seconded by Councilman Bastian. Motion to amend carried unanimously by roll call vote.

Motion to approve Resolution No. 17-15
as amended carried unanimously as
amended by roll call vote.

Ms. Roberts asked for Council direction regarding interest being charged on the loan amount. Mr. Johansson would not request an interest loan. Council agreed, no interest.

13. Purchasing Manual Section 3.01 revision relating to Purchasing Authority

Motion to approve as presented was
made by Councilman Tramont, and
Seconded by Councilman Bastian.

Vice Mayor Ford asked for clarification. Mr. Johansson explained his intent to delegate contract item up to \$15,000 to Department Directors. Ms. Roberts discussed the new Vendor Application process and Purchase Order policies. Vice Mayor Ford is concerned with loosening up the process to much.

Councilman Bastian suggested tabling the item until all members are present.

Councilman Tramont is concerned with too little controls and accountability. He supports the item because it eliminates bureaucracy.

Motion to table until April 4, 2017 was
made by Councilman Bastian, and
Seconded by Vice Mayor Ford. Motion
carried unanimously by voice vote.

BOARD APPOINTMENTS, INTERVIEWS, REPORTS

14. Citizen Advisory Committee for TPO

Bobby Ball provided details of the most recent CAC meeting although he was unable to attend.

15. Youth Advisory Board Appointment

Alyssa Christen introduced herself.

Motion to appoint Alyssa Christen to the
Youth Advisory Board was made by
Councilman Tramont, and Seconded by
Vice Mayor Ford. Motion carried
unanimously by voice vote.

16. Parks & Recreation Advisory Board Appointments

Those applicants present introduced themselves to Council and discussed why they would like to serve.

Motion to nominate Jack Wiles was made by Councilman Tramont, and Seconded by Vice Mayor Ford.

Motion to nominate Pat Barraco was made by Vice Mayor Ford, and Seconded by Councilman Bastian.

Motion to nominate James Richard was made by Vice Mayor Ford, and Seconded by Councilman Bastian.

Motion to Nominate Michael Navarra was made by Councilman Bastian, and Seconded by Councilman Tramont.

Nominations were closed by Mayor Burnette. Four nominations were made to fill four vacancies. Mayor Burnette called for the vote on all four nominations. Nominations carried unanimously by voice vote.

17. Golf Advisory Board Appointments

Those applicants present introduced themselves to Council and discussed why they would like to serve.

Motion to nominate John Cameron was made by Councilman Bastian, and Seconded by Vice Mayor Ford.

Motion to nominate Dennis Flesch was made by Vice Mayor Ford, and Seconded by Councilman Tramont.

Motion to Nominate Lance Green was made by Councilman Tramont, and Seconded by Councilman Bastian.

Nominations were closed by Mayor Burnette. Three nominations were made to fill three vacancies. Mayor Burnette called for the vote on all four nominations. Nominations carried unanimously by voice vote.

CITIZEN PARTICIPATION (Agenda)

18. One Church Easter Egg Hunt

There was no representative from the Church.

Councilman Bastian does not support the use of the City Logo. Council agreed.

CITIZEN PARTICIPATION (Non-Agenda – 15 minutes)

There were none.

COUNCIL COMMENTS

19. Comments/Concerns from Council Members

Vice Mayor Ford met with the Chamber to discuss redevelopment in the Ridgewood Corridor.

Mayor Burnette would like the sign at US 1 and Dunlawton cleaned up and up to code. He would also like a code enforcement sweep throughout the Ridgewood Avenue Corridor.

SPECIAL AWARDS, REPORTS, RECOGNITION AND PROCLAMATIONS

20. Report on Retirement Plans

Tracey Riehm, Finance Director, discussed the overall performance of each of the three (3) pension plans of the City and the fees associated with each. Mr. Johansson suggested Council consider consolidating the administration of the pension plans. It would be a cost saving.

21. Actuarial Report from Chad Little - Police Pension Plan

Chad Little, Police Pension Plan Actuary, provided details of the Actuarial Report. Discussion ensued with questions from Council.

PUBLIC HEARING

22. First Reading - Ordinance No. 2017-3 – Fifth Amendment to the Clark Professional Center and Wedding Chapel PCD Master Development Agreement and Conceptual Development Plan, Case No. 16-40000006

Mayor Burnette read Ordinance No. 2017-3.

ORDINANCE NO. 2017-3

AN ORDINANCE OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA, APPROVING THE FIFTH AMENDMENT TO THE CLARK PROFESSIONAL CENTER AND WEDDING CHAPEL PLANNED COMMERCIAL DEVELOPMENT MASTER DEVELOPMENT AGREEMENT AND CONCEPTUAL DEVELOPMENT PLAN; PROVIDING FOR CONFLICTING ORDINANCES, SEVERABILITY, AND AN EFFECTIVE DATE.

Motion to approve Ordinance No. 2017-3 on first reading was made by Councilman Bastian, and Seconded by Councilman Tramont.

Tim Burman, Planning Manager, discussed the details of the request.

Motion carried unanimously by roll call vote.

23. First Reading - Ordinance No. 2017-4 – Benton House Assisted Living and Memory Care Facility Small-Scale Comprehensive Plan Amendment
Case No. 16-20000003

Penelope Cruz, Planner, requested that item #23 as well as item #24 be opened and discussed together. Council agreed.

Mayor Burnette read Ordinance No. 2017-4.

ORDINANCE NO. 2017-4

AN ORDINANCE OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA, RELATING TO COMPREHENSIVE PLANNING; AMENDING THE FUTURE LAND USE MAP OF THE COMPREHENSIVE PLAN; AMENDING THE FUTURE LAND USE DESIGNATION FROM RURAL TRANSITION (0-2) UNITS/ACRE) TO OFFICE/RESIDENTIAL TRANSITION (+/-4.88 ACRES); PROVIDING FOR CONFLICTING ORDINANCES, SEVERABILITY, AND AN EFFECTIVE DATE.

24. First Reading - Ordinance No. 2017-6 – PUD Rezoning and Benton House Master Development Agreement and Conceptual Development Plan, CASE NO. 16-65000001

Mayor Burnette read Ordinance No. 2017-6.

ORDINANCE NO. 2017-6

AN ORDINANCE OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA, APPROVING THE REZONING OF +/- 4.88 ACRES FROM R-20 SINGLE FAMILY RESIDENTIAL ("R-20") TO PLANNED UNIT DEVELOPMENT ("PUD") AND THE BENTON HOUSE PLANNED UNIT DEVELOPMENT MASTER DEVELOPMENT AGREEMENT AND CONCEPTUAL DEVELOPMENT PLAN LOCATED ON THE WEST SIDE OF AIRPORT ROAD, SOUTH OF WHISPERING WOODS CONDOMINIUMS; PROVIDING FOR CONFLICTING ORDINANCES, SEVERABILITY, AND AN EFFECTIVE DATE.

Motion to approve Ordinance No. 2017-4 on first reading was made by Councilman Bastian, and Seconded by Vice Mayor Ford.

Motion to approve Ordinance No. 2017-6 on first reading was made by Councilman Bastian, and Seconded by Vice Mayor Ford.

Ms. Cruz provided details of the request.

Motion to approve Ordinance No. 2017-4 carried unanimously by roll call vote.

Motion to approve Ordinance No. 2017-6 carried unanimously by roll call vote.

25. Economic Incentive Agreement with B.D.W. Land Holdings, LLC (Atlantic Marine)

Motion to approve the Economic Incentive Agreement for B.D.W. Land Holdings, LLC as recommended by the CRA Board was made by Councilman Bastian, and Seconded by Vice Mayor Ford. Motion carried unanimously by roll call vote.

26. Second Reading – Ordinance No. 2017-5 – Cornerstone Grove PUD Master Development Agreement and Conceptual Development Plan, Case No. 16-40000007

Mayor Burnette read Ordinance No. 2017-5.

ORDINANCE NO. 2017-5

AN ORDINANCE OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA, APPROVING CORNERSTONE GROVE PLANNED UNIT DEVELOPMENT A RESIDENTIAL PUD MASTER DEVELOPMENT AGREEMENT (MDA) AND THE CONCEPTUAL DEVELOPMENT PLAN (CDP); PROVIDING FOR REPEAL OF CONFLICTING ORDINANCES; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

Motion to approve Ordinance No. 2017-5 on second reading was made by Councilman Bastian, and Seconded by Councilman Tramont.

Vice Mayor Ford is concerned with parking.

Motion carried 3-1 by roll call vote with Vice Mayor Ford voting no.

REGULAR AGENDA

27. Proposed projects for the River to Sea TPO 2017 Transportation Improvement Program Priority List

Mr. Burman discussed the priority list with Council and answered questions from Council. Staff recommended approval of the five projects and withdraw the Herbert Street sidewalk project (Jackson to FEC).

Motion to approve the priority list as recommended was made by Vice Mayor Ford, and Seconded by Councilman Tramont. Motion carried unanimously by roll call vote.

28. First Reading - Ordinance No. 2017-7 - City Logo/Seal Ordinance Amendment

Mayor Burnette read Ordinance No. 2017-7.

ORDINANCE NO. 2017-7

AN ORDINANCE OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA, AMENDING CHAPTER 2, ARTICLE I, SECTION 2-3 RELATED TO THE USE OF THE OFFICIAL CITY SEAL AND LOGO; PROVIDING FOR REPEAL OF CONFLICTING ORDINANCES,

PROVIDING FOR CODIFICATION; PROVIDING FOR SEVERABILITY
AND PROVIDING AN EFFECTIVE DATE.

Motion to approve Ordinance No. 2017-7
on first reading was made by Councilman
Bastian, and Seconded by Councilman
Tramont.

Ms. Roberts explained the reasoning for the amendment relating use of the City's seal. She suggested a review of the resolution for penalties as the fine is only \$53.00 for a first time occurrence.

Bobby Ball, Zev Cohen & Associates, asked if the logo can be used by companies doing business with the City or responding to bid requests for the City or other entities (when used as a reference). Ms. Roberts advised that the companies would need Council approval to use the logo as a reference with other entities but would be allowed to use the logo in conjunction with City business.

Motion carried unanimously by roll call
vote.

29. First Reading - Ordinance No. 2017-8 - Minor Chapter 50 Clean-up
Amendment

Mayor Burnette read Ordinance No. 2017-8.

ORDINANCE NO. 2017-8

AN ORDINANCE OF THE CITY OF PORT ORANGE, VOLUSIA
COUNTY, FLORIDA, AMENDING CHAPTER 50, ARTICLE II, SECTION
50-32 REGARDING THE PROHIBITION OF ADMISSION CHARGES AT
ATHLETIC FACILITIES; PROVIDING FOR CODIFICATION;
PROVIDING FOR REPEAL OF CONFLICTING ORDINANCES;
PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE
DATE.

Motion to approve Ordinance No. 2017-8
on first reading was made by Councilman
Bastian, and Seconded by Vice Mayor
Ford. Motion carried unanimously by roll
call vote.

30. FY2016 Audit (CAFR)

Zach Chalifour, James Moore & Co, presented the Comprehensive Annual Financial Report (CAFR) to Council. Council thanked the auditors, as well as Finance Staff for their work.

31. Financial Report-February 2017

Ms. Riehm thanked her Staff for their hard work and presented the Financial Report for February, 2017.

COMMENTS

32. City Attorney Comments

There were none.

33. City Manager Comments

Mr. Johansson thanked Tracey Riehm and all of the Finance Department, as well as all Staff for their work on this year's audit.

COUNCIL COMMITTEE REPORTS

34. City Council Committee Reports

- a. ArtHaus – Vice Mayor Ford reported on the recent meeting held.
- b. Port Orange/South Daytona Chamber of Commerce – Vice Mayor Ford is working with the Chamber on economic development within the US 1 Corridor.
- c. Roundtable of Elected Officials – There was no meeting in March.

ADJOURNMENT: 9:22 p.m.

Attest:

Mayor Donald O. Burnette

Robin Fenwick, CMC
City Clerk



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: Yes

SUBJECT: (B7) Renewal of Employee Health, Dental and Life Insurance Plans

DEPARTMENT: Administrative Services

GOAL:

RECOMMENDED MOTION: Move to approve a one-year contract extension with Florida Health Care Plans for employee health insurance, as presented, and to authorize Mayor and City Clerk to sign the contract documents, subject to legal approval of final documents.

Move to approve a two-year contract with MetLife for employee dental, life and vision insurance, as presented, and to authorize Mayor and City Clerk to sign the contract documents, subject to legal approval of final documents.

SUMMARY:

The City's broker for employee insurances, Brown & Brown Inc., has conducted their market research process for annual employee insurance renewals. Attached is a proposal of Employee Benefits Coverage and Service that includes Executive Summaries of agencies that have provided responses to the market search.

Employee and dependent medical claims utilization has been trending up. The most recent utilization report has the medical loss ratio (MLR) at ~91% for all plans. The proposed renewal by Florida Health Care Plans is a 6% increase. This represents an approximate increase in costs of \$155,712 to the city for 400 full time employees. This renewal rate also represents no change to benefits. However staff is exploring the option of eliminating the Classic POS plan due to very low enrollment. Elimination of this plan will not affect the renewal rate. Other carriers were evaluated whose proposals were less than Florida Health Care Plans, but only by a very small margin (less than 2% difference). The disruption of switching carriers would mean that more than 80% of employees would have to change doctors. There were no rate caps quoted by these other carriers for future renewals so the potential of a high increase in the second year is very possible. Staff recommends renewing with Florida Health Care Plans as proposed.

Proposals were also solicited for employee dental, life, and vision insurance. The current carrier for dental and life, Florida Combined Life, submitted a renewal for a 4% decrease on the dental insurance rates and a 5% decrease on the life insurance rates. When comparing all options, staff recommends a change to MetLife who submitted a proposal for 10% under the current rate for dental with a 2 year rate guarantee. They

also proposed a 7% decrease on the life insurance. This would represent a savings of approximately \$19,749 to the city. MetLife will also become the new carrier for employee-paid vision coverage which will represent a 10% decrease over our current carrier's premiums.

Project No.: Funding Account No.:

ATTACHMENTS:

1.	Brown & Brown Compilation of Proposals	Brown & Brown Compilation of Proposals.pdf
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Heather Carrizales	Created/Initiated - 03/30/2017
Jamie Miller	Approved - 03/30/2017
Tracey Riehm	Approved - 04/03/2017
Margaret Roberts	Approved - 04/05/2017
Jake Johansson	Approved - 04/06/2017
Robin Fenwick	Final Approval - 04/06/2017

A Proposal of Employee Benefits Coverage and Service

City of Port Orange



Benefits Team

Jessica Scott

Vice President

Kim Rodgers
Account Manager

Brandon Savage
Risk Analyst

Brenda Thurston
Marketing Manager

Proposal Date: March 30, 2017

Effective Date: July 1, 2017

Brown & Brown

Brown & Brown is one of the largest and most respected independent insurance intermediaries in the nation, with over 70 years of continuous service. The Company is ranked as the sixth largest such organization in the United States by Business Insurance magazine.

Brown & Brown's clientele is as diverse as the American economy itself. There is hardly a business, industrial or professional insurance situation that has not presented itself to Brown & Brown including: Health/Medical, Retail, Construction, Marine, Transportation, e-Commerce, High Technology, Financial, Legal, Agricultural, Colleges and Universities, Golf Courses and Country Clubs, Governmental Entities, General Aviation, Hospitals, Hotels, Motels, Resorts, Manufacturing, Medical Care Facilities,

Commitment to Our Clients

The Employee Benefits Division at Brown & Brown of Florida, Inc. is focused on providing you with the best products at the most competitive rates possible. We ensure a very high level of customer service by remaining involved with you after the plan's effective date.

In addition to the Brown & Brown of Florida, Inc. Account Executive, all clients are assigned a team of dedicated service and marketing professionals committed to fast, efficient and friendly service during plan renewal and every other day of the year.

- We provide assistance with carriers to resolve any issues concerning policy administration, claims and billing.
- We provide expertise in designing, analyzing, and maintaining an employee benefits program that will help you attract and retain quality employees.
- We provide timely guidance on local and national trends in employee benefits and in the carrier marketplace.

As part of the 6th largest insurance broker in the country (as determined by Business Insurance magazine) we have the resources to partner with clients of all sizes and industries to maximize benefits and contain costs.

The Employee Benefits Division in Daytona Beach, FL is fully automated and highly efficient in marketing plan renewals and new business. We have access to all local and national carriers, third party administrators, and other specialists in the employee benefits industry including:

Medical · Dental · Vision · Life · Disability Plans · Cafeteria Plans · 401(k) Plans · Self-funded and Partially Self-funded arrangements · Employee Assistance Programs · Voluntary (employee-paid) Long-Term Disability, Short-Term Disability, Dental and Accident & Sickness plans.

Phone

(800) 877-2769

(386) 252-9601

Address

Brown & Brown of Florida, Inc.
220 South Ridgewood Avenue
Daytona Beach, FL 32114

Website

www.bbinsurance.com

NYSE Listed: BRO

Disclaimer Information

The analysis of the following plans is a summary. You must refer to the contract and plan description for a full list of coverages and exclusions. In some instances broader coverage may be available. The rates in this proposal are based upon the census provided and the effective date shown. The final rates for these plans may vary if the census changes or if a different effective date is chosen. Each carrier has underwriting requirements which may impact the rates or cause the plan proposed to be withdrawn. The rates shown are not guaranteed. Executive summaries are created by Brown & Brown of Florida, Inc. and neither the carrier nor Brown & Brown of Florida, Inc. will be held responsible for typographical or clerical errors. This proposal is provided for your internal use only. The contents are made strictly to the client. No further use or distribution is authorized without our prior written consent. In some instances a pre-existing condition clause may apply. It is imperative that we be informed of any employee or dependent who is hospitalized or otherwise disabled and not actively at work on the effective date of any new contract. Coverage may not be available for these individuals. All insurance carriers have their own operating procedures. A change in carrier could affect certain benefits and coverages.

Brown and Brown of Florida, Inc. representatives are available to explain any items presented. It is assumed that the recipients of this proposal will seek an explanation of any items that may be in question. If coverage is moving to another carrier, please do not cancel your inforce coverage until advised by Brown and Brown of Florida, Inc. Most carriers require a minimum of 30 days written notice to cancel coverage. Please check your policy contracts to be sure you meet the terms of your carrier cancellation provision and avoid duplicate coverage. The network directories provided may contain doctors and facilities that are no longer participating with the insurance carriers' networks. We cannot be responsible for any changes to the directories that are not reflected. For a current list, you may look on the Internet or call the toll-free number provided in each of the directories. Brown & Brown representatives may from time to time provide guidance regarding certain legal requirements affecting health plans, including the requirements of federal and state health care reform legislation. Such guidance is based on good-faith interpretation of laws and regulations currently in effect, and is not intended to be a substitute for legal advice. Employers should contact their own legal counsel for advice for legal requirements.

Compensation: In addition to the commissions or fees received by us for assistance with the placement, servicing, claims handling, or renewal of your insurance coverage's, other parties, such as excess and surplus lines broker, wholesale brokers, reinsurance intermediaries, underwriting managers, and similar parties, some of which may be owned in whole or in part by Brown & Brown, Inc. may also receive compensation for their role in providing insurance products or services to you pursuant to their separate contracts with insurance or reinsurance carriers. That compensation is derived from your premium payments. Additionally, it is possible that we, or our corporate parents or affiliates, may receive contingent payments or allowances from insurers based on factors which are not client-specific, such as the performance and/or size of an overall book of business produced with an insurer. We generally do not know if such a contingent payment will be made by a particular insurer, or the amount of any such contingent payment, until the underwriting year is closed. That compensation is partially derived from your premium dollars, after being combined (or "pooled") with the premium dollars other insured that have purchased similar types of coverage. We may also receive invitations to programs sponsored and paid for by the insurance carriers to inform brokers regarding their products and services, including possible participation in company-sponsored events such as trips, seminars, and advisory council meetings, based upon the total volume of business placed with the carrier you select. We may, occasion, receive loans or credit from insurance companies. Additionally, in the ordinary course of our business, we may receive and retain interest on premiums you pay from the date we receive them until the date of premiums are remitted to the insurance company or intermediary. In the event that we assist with placement and other details of arranging for the financing of your insurance premium, we may also receive a fee from the premium finance company.

Questions and Information Request:

Should you have any questions, or require additional information, please contact this office at 1-800-877-2769 or, if you prefer, submit your question or request online at <http://www.bbinsurance.com/customerinquiry.shtml>.

CURRENT GUIDE TO BEST'S RATINGS

Best's Rating:

Represents an opinion based on a company's financial strength, operating performance and market profile

Secure Best's Ratings: A++ to B+ (Superior to Good)

Vulnerable Best's Ratings: B to D (Fair to Poor)

Outlooks:

Positive = indicates possible rating upgrade due to favorable financial/market trend relative to the current rating level.

Not Rated Companies:

NR = Companies that are not rated by A.M. Best

Rating Modifiers:

u = Under Review (change in financial condition)

pd = Public Data (Insurers do not subscribe to Best's rating process)

s = Syndicate (operating at Lloyds)

Financial Size Categories:

Reflects the company's size based on its capital surplus and conditional reserve funds in millions of U.S. dollars, using the scale below:

FSC I	less than 1	less than 1 mill	FSC IX	250 to 500
FSC II	1 to 2	1 to 2	FSC X	500 to 750
FSC III	2 to 5	2 to 5	FSC XI	750 to 1,000
FSC IV	5 to 10	5 to 10	FSC XII	1,000 to 1,250
FSC V	10 to 25	10 to 25	FSC XIII	1,250 to 1,500
FSC VI	25 to 50	25 to 50	FSC XIV	1,500 to 2,000
FSC VII	50 to 100	50 to 100	FSC XV	greater than 2,000
FSC VIII	100 to 250	100 to 250	" -- "	<i>unknown / not rated</i>

A.M. BEST'S INSURANCE RATINGS & CARRIER WEBSITES

The insurance company providing coverage has the following A.M. Best Financial Rating:

A++ to D = Highest to Lowest Rating

XV to I = Largest to Smallest Rating

Not Rated Companies:

NR = Not rated by A.M. Best

Carrier Name	Best's Rating for Stability	FSC Rating for Assets/ Surplus	Web Address	Provider Directory
Advantica Insurance Company Inc.	NR	NR	www.advanticabenefits.com	Yes
Aetna Health Inc.	A	XV	www.aetna.com	Yes
Ameritas Life Ins. Corp.	A	XIV	www.ameritas.com	Yes
Blue Cross & Blue Shield of Florida	A+	XV	www.floridablue.com	Yes
CIGNA HealthCare of FL, Inc.	A	XV	www.cigna.com	Yes
Florida Combined Life Insurance Company	A	VIII	www.bcbsfl.com	N/A
Florida Health Care Plan Inc	A+	XV	www.fhcp.com	Yes
Guardian Life Ins Co of America	A++	XV	www.glic.com	Yes
Health First Health Plans (Florida Hospital Care Adv)	NR	NR	www.health-first.org	Yes
Humana Health Insurance of Florida, Inc	A-	XV	www.humana.com	Yes
Lincoln Financial Group	A+	XV	www.lfg.com	Yes
Metropolitan Life Insurance Company	A+	XV	www.metlife.com	Yes
Mutual of Omaha Insurance Company	A+	XV	www.mutualofomaha.com	Yes
Reliance Standard Life Insurance Company	A+	XII	www.reliancestandard.com	Yes
Standard Insurance Company	A	XIII	www.standard.com	N/A
Sun Life Assurance Company of CA (U.S.)	A-	XV	www.sunlife.com	Yes
United Healthcare Insurance Company	A	XV	www.uhc.com	Yes
UNUM Life Insurance Company of America	A	XV	www.unum.com	N/A
Vision Service Plan	A	XII	www.vsp.com	Yes

Carrier Requirements
Large Group (50 +)

Aetna

Submission deadline is 15th of month prior
Group questionnaire required
Minimum participation is 75% all eligibles

Cigna

Submission deadline is 15th of month prior
Group questionnaire required
Minimum participation is 75% all eligibles

Florida Hospital Care Adv

Submission deadline is 20th of month prior
Group questionnaire required
Minimum participation is 70% all eligibles

Florida Healthcare

Current

Humana

Submission deadline is 15th of month prior
Group questionnaire required (over 100), Individual questionnaire (50 - 99)
Minimum participation is 75% all eligibles

United Healthcare

Submission deadline is 20th of month prior
Group questionnaire required
Minimum participation is 75% all eligibles

Please Note:

If you are moving your coverage to a new carrier, please do not cancel your inforce coverage until advised by Brown & Brown of Florida, Inc.. Most carriers require a minimum of 30 days written notice to cancel coverage (even if it is at the anniversary of the policy). Please check your policy contracts to be sure you meet the terms of your carrier cancellation provision to avoid duplicate coverage.

These deadlines represent the final date most carrier's will accept for the selected effective date, however it does not guarantee that implementation will be completed and ID cards will be delivered by the effective date.

CITY OF PORT ORANGE - ALL FULL TIME EMPLOYEES

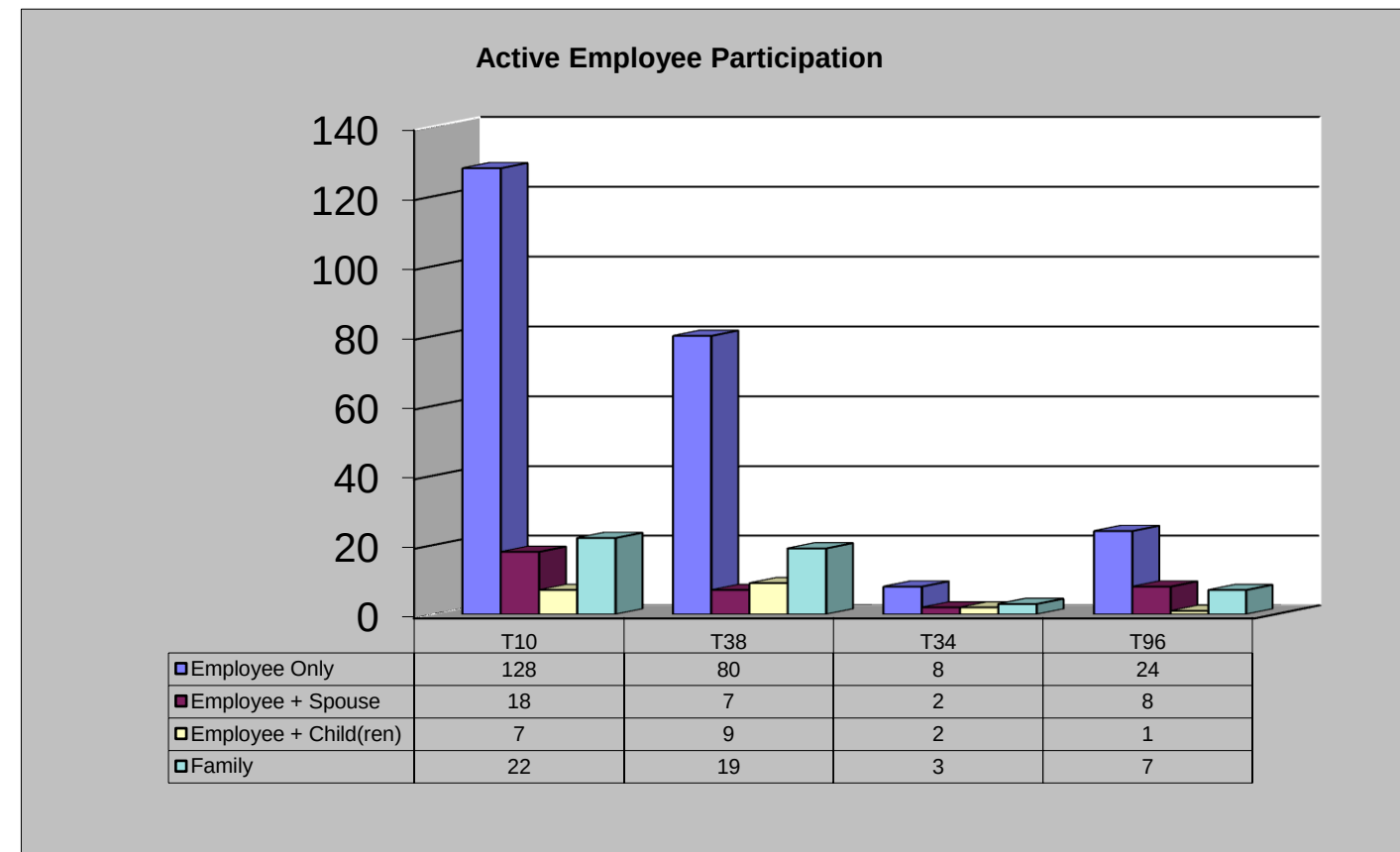
July 1, 2017 - June 30, 2018

MEDICAL PARTICIPATION OVERVIEW

Enrollment Data	Current/Renewal	Current/Renewal	Current/Renewal	Current/Renewal	Total
	T10	T38	T34	T96	
Employee Only	128	80	8	24	240
Employee + Spouse	18	7	2	8	35
Employee + Child(ren)	7	9	2	1	19
Family	22	19	3	7	51
Total	175	115	15	40	345

Declining Medical (waivers only)	84
Participation	75.58%

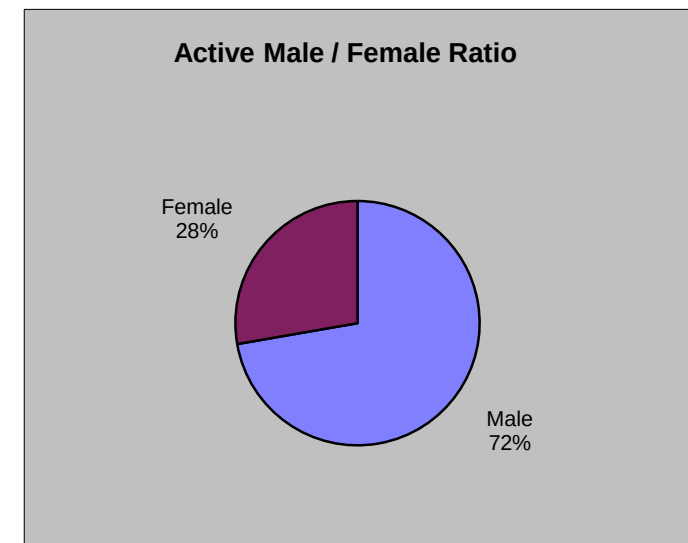
(participation does not include employees with other coverage)



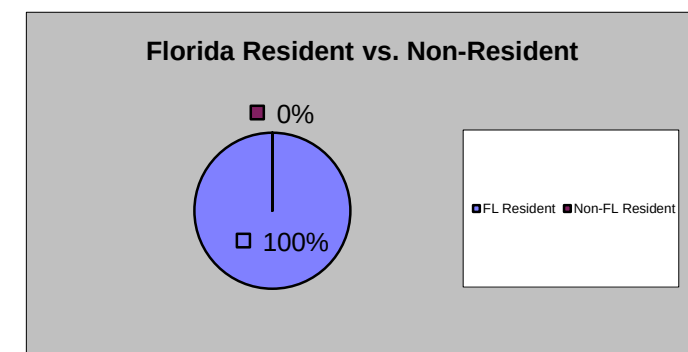
(Includes all eligible employees)

Male	Female
310	119

Average Age
44



FL Resident	429
Non-FL Resident	0



CITY OF PORT ORANGE - RETIREES

July 1, 2017 - June 30, 2018

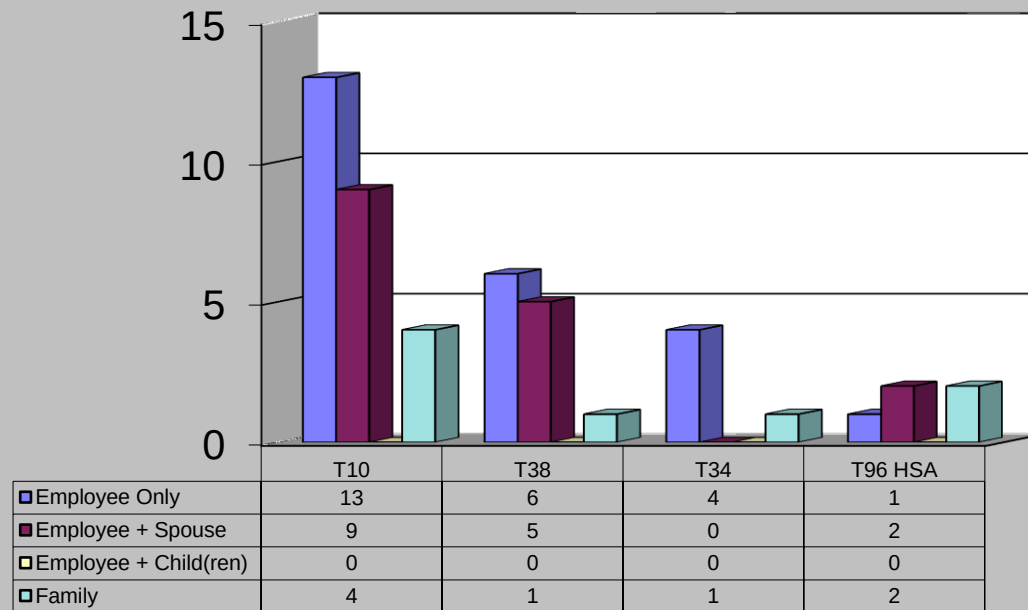
MEDICAL PARTICIPATION OVERVIEW

Enrollment Data	Current/Renewal	Current/Renewal	Current/Renewal	Current/Renewal	Total
	T10	T38	T34	T96 HSA	
Employee Only	13	6	4	1	24
Employee + Spouse	9	5	0	2	16
Employee + Child(ren)	0	0	0	0	0
Family	4	1	1	2	8
Total	26	12	5	5	48

Declining Medical (waivers only)	23
Participation	67.61%

(participation does not include employees with other coverage)

Active Employee Participation

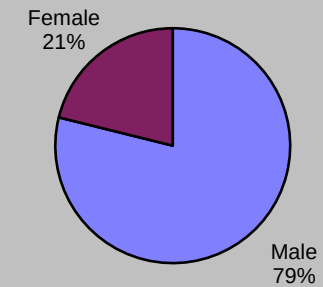


(Includes all eligible employees)

Male	Female
56	15

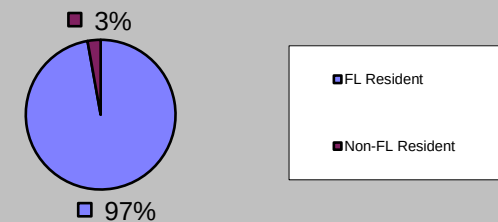
Average Age
61

Active Male / Female Ratio



FL Resident	69
Non-FL Resident	2

Florida Resident vs. Non-Resident



City of Port Orange
July 1, 2017 - June 30, 2018

Current Renewal Revised Renewal																				
Vendor	Florida Healthcare					Florida Healthcare					Florida Healthcare					Florida Healthcare				
Plan Name	T10					T38					T34					T96				
Plan Type	HMO					HMO					POS					POS HDHP-HSA				
Plan Details	Network					Network					Network					Network				
	Single		Family			Single		Family			Single		Family			Single		Family		
Plan Deductible:	\$0		\$0			\$500		\$1,000			\$0		\$0			\$1,300		\$2,600		
Embedded Deductible:	N/A					Yes					N/A					No				
Calendar or Policy Year:	Calendar					Calendar					Calendar					Calendar				
Coinsurance:	15%					20%					10%					20%				
Maximum Out-of-Pocket:	\$3,000		\$6,000			\$4,000		\$8,000			\$3,000		\$6,000			\$5,000		\$5,000		
(Includes Deductible, Copay, Rx)	N/A, Yes, Yes					Yes, Yes, Yes					N/A, Yes, Yes					Yes, N/A, Yes				
Physician Services																				
Office Visit:	\$20					\$25					\$20					Deductible + Coinsurance				
Specialist:	\$35					\$50					\$35					Deductible + Coinsurance				
Chiropractic:	\$15					\$25					\$15					Deductible + Coinsurance				
Hospital / Emergency Services																				
Inpatient Hospital Per Admission:	\$200					Deductible + Coinsurance					\$250 / Day (Days 1 - 5)					Deductible + Coinsurance				
Emergency Room:	\$100					\$350					\$100					Deductible + Coinsurance				
Urgent Care:	\$60					\$100					\$60					Deductible + Coinsurance				
Outpatient Surgical Facility:	\$100					Deductible + Coinsurance					\$100					Deductible + Coinsurance				
Ambulatory Surgery Center:	\$100					Deductible + Coinsurance					\$100					Deductible + Coinsurance				
Diagnostic Services																				
Lab, X-Ray & Diagnostics Outpatient:	\$0					\$0					\$0					Deductible + Coinsurance				
Advanced Imaging Services (MRI, MRA, PET, CT):	\$0					Deductible + Coinsurance					\$0					Deductible + Coinsurance				
Prescription Drug																				
Deductible:	N/A					N/A					N/A					Calendar Year Deductible				
Prescription Tier	\$3 / \$10 / \$30 / \$55 / \$125 (Walgreens - \$15 / \$35 / \$60 / N/A)					\$3 / \$10 / \$30 / \$55 / \$125 (Walgreens - \$15 / \$35 / \$60 / N/A)					\$3 / \$10 / \$30 / \$55 / \$125 (Walgreens - \$15 / \$35 / \$60 / N/A)					\$3 / \$10 / \$30 / \$55 / \$125 (Walgreens - \$15 / \$35 / \$60 / N/A)				
Mail Order Prescription (90 Day Supply):	\$6 / \$27 / \$87 / \$162 / N/A					\$6 / \$27 / \$87 / \$162 / N/A					\$6 / \$27 / \$87 / \$162 / N/A					\$6 / \$27 / \$87 / \$162 / N/A				
Non-Network Plan Details	Non-Network					Non-Network					Non-Network					Non-Network				
Plan Deductible:	N/A					N/A					\$2,000		\$4,000			\$2,600		\$5,200		
Coinsurance:	N/A					N/A					50%					40%				
Maximum Out-of-Pocket:	N/A					N/A					\$6,000		\$12,000			\$10,000		\$10,000		
Per Occurrence Deductible (Inpatient/Outpatient):	N/A					N/A					N/A					N/A				
Plan Rates Current Enrollment		Current	Renewal	Revised		Current	Renewal	Revised		Current	Renewal	Revised		Current	Renewal	Revised				
Employee:	143	\$658.21	\$736.54	\$697.70	91	\$540.60	\$606.18	\$573.04	13	\$662.81	\$743.06	\$702.58	24	\$444.68	\$497.71	\$471.56				
Employee + Spouse:	25	\$1,162.40	\$1,300.72	\$1,232.14	11	\$954.71	\$1,070.52	\$1,011.99	2	\$1,170.53	\$1,312.25	\$1,240.76	8	\$785.31	\$878.95	\$832.78				
Employee + Child(ren):	12	\$1,162.40	\$1,300.72	\$1,232.14	10	\$954.71	\$1,070.52	\$1,011.99	2	\$1,170.53	\$1,312.25	\$1,240.76	3	\$785.31	\$878.95	\$832.78				
Family:	28	\$1,425.68	\$1,595.34	\$1,511.22	21	\$1,170.95	\$1,312.99	\$1,241.21	4	\$1,435.66	\$1,609.47	\$1,521.79	9	\$963.19	\$1,078.03	\$1,021.41				
Estimated Monthly Premiums:	208	\$177,052	\$198,121	\$187,674	133	\$93,833	\$105,216	\$99,464	21	\$19,041	\$21,347	\$20,184	44	\$27,979	\$31,316	\$29,671				
Estimated Annual Premiums:		\$2,124,622	\$2,377,457	\$2,252,093		\$1,126,002	\$1,262,593	\$1,193,566		\$228,495	\$256,160	\$242,205		\$335,753	\$375,789	\$356,049				
Rate Change from Current (%):		11.9%		6.0%		12.1%		6.0%		12.1%		6.0%		11.9%		6.0%				
		Current	Renewal	Revised																
Estimated Grand Total Annual Premiums:		\$3,814,873	\$4,271,999	\$4,043,913																
PEPY		\$9,396	\$10,522	\$9,960																
Rate Change from Current (%):		12.0%		6.0%																
Rate Change from Current (\$):		\$457,126		\$229,040																

Executive Summary of Medical & Prescription Drug Coverage

City of Port Orange

July 1, 2017 - June 30, 2018

	Option 1							
Vendor	Aetna		Aetna		Aetna		Aetna	
Plan Name	Plan 2 (T10)		Plan 1 (T38)		Plan 3 (T34)		Plan 4 (T96)	
Plan Type	HNOOnly		HNOOnly		HNOOption		HNOOption	
Plan Details	Network		Network		Network		Network	
	Single	Family	Single	Family	Single	Family	Single	Family
Plan Deductible	\$0	\$0	\$500	\$1,000	\$0	\$0	\$1,300	\$2,600
Embedded Deductible:	N/A		Yes		N/A		No	
Calendar or Policy Year:	Calendar		Calendar		Calendar		Calendar	
Coinsurance:	0%		20%		0%		20%	
Maximum Out-of-Pocket:	\$3,000	\$6,000	\$4,000	\$8,000	\$3,000	\$6,000	\$5,000	\$5,000
(Includes Deductible, Copay, Rx)	N/A, Yes, Yes		Yes, Yes, Yes		N/A, Yes, Yes		Yes, N/A, Yes	
Physician Services								
Office Visit:	\$20		\$25		\$20		Deductible + Coinsurance	
Specialist:	\$35		\$50		\$35		Deductible + Coinsurance	
Chiropractic:	\$35		\$50		\$35		Deductible + Coinsurance	
Hospital / Emergency Services								
Inpatient Hospital Per Admission:	\$200		Deductible + Coinsurance		\$250 / Day (Days 1-5)		Deductible + Coinsurance	
Emergency Room:	\$100		\$350		\$100		Deductible + Coinsurance	
Urgent Care:	\$60		\$100		\$60		Deductible + Coinsurance	
Outpatient Surgical Facility:	\$100		Deductible + Coinsurance		\$100		Deductible + Coinsurance	
Ambulatory Surgery Center:	\$100		Deductible + Coinsurance		\$100		Deductible + Coinsurance	
Diagnostic Services								
Lab, X-Ray & Diagnostics Outpatient:	\$0		\$0		\$0		Deductible + Coinsurance	
Advanced Imaging Services (MRI, MRA, PET, CT):	\$0		Deductible + Coinsurance		\$0		Deductible + Coinsurance	
Prescription Drug								
Deductible:	N/A		N/A		N/A		Calendar Year Deductible	
Prescription Tier	\$3 / \$10 / \$30 / \$60		\$3 / \$10 / \$30 / \$60		\$3 / \$10 / \$30 / \$60		\$3 / \$10 / \$30 / \$60	
Mail Order Prescription (90 Day Supply):	2x's Copay		2x's Copay		2x's Copay		2x's Copay	
Non-Network Plan Details	Non-Network		Non-Network		Non-Network		Non-Network	
Plan Deductible	N/A		N/A		\$2,000	\$4,000	\$2,600	\$5,200
Coinsurance:	N/A		N/A		50%		40%	
Maximum Out-of-Pocket:	N/A		N/A		\$6,000	\$12,000	\$10,000	\$10,000
Per Occurrence Deductible (Inpatient/Outpatient):	N/A		N/A		N/A		N/A	

Plan Rates | Current Enrollment

	Option 1							
Employee:	143	\$694.78	91	\$591.23	13	\$720.14	24	\$571.43
Employee + Spouse:	25	\$1,226.98	11	\$1,044.13	2	\$1,271.77	8	\$1,009.16
Employee + Child(ren):	12	\$1,226.98	10	\$1,044.13	2	\$1,271.77	3	\$1,009.16
Family:	28	\$1,504.88	21	\$1,280.63	4	\$1,559.83	9	\$1,237.74
Estimated Monthly Premiums:	208	\$186,888	133	\$102,622	21	\$20,688	44	\$35,955
Estimated Annual Premiums:		\$2,242,661		\$1,231,463		\$248,259		\$431,457
Rate Change from Current (%):								

	Option 1
Estimated Grand Total Annual Premiums:	\$4,153,839
PEPY	\$10,231
Rate Change from Current (%):	8.9%
Rate Change from Current (\$):	\$338,967

Rates subject to final enrollment and underwriting

Executive Summary of Medical & Prescription Drug Coverage

City of Port Orange

July 1, 2017 - June 30, 2018

	Option 1							
Vendor	Cigna		Cigna		Cigna		Cigna	
Plan Name	Classic T10		Balance T38		Classic T34		Classic HDHP	
Plan Type	HMO		HMO		POS		POS HDHP	
Plan Details	Network		Network		Network		Network	
	Single	Family	Single	Family	Single	Family	Single	Family
Plan Deductible	\$0	\$0	\$500	\$1,000	\$0	\$0	\$1,300	\$2,600
Embedded Deductible:	N/A		Yes		N/A		No	
Calendar or Policy Year:	Calendar		Calendar		Calendar		Calendar	
Coinsurance:	15%		20%		10%		20%	
Maximum Out-of-Pocket:	\$3,000	\$6,000	\$4,000	\$8,000	\$3,000	\$6,000	\$5,000	\$5,000
(Includes Deductible, Copay, Rx)	N/A, Yes, Yes		Yes, Yes, Yes		N/A, Yes, Yes		Yes, N/A, Yes	
Physician Services								
Office Visit:	\$20		\$25		\$20		Deductible + Coinsurance	
Specialist:	\$35		\$50		\$35		Deductible + Coinsurance	
Chiropractic:	\$20		\$25		\$20		Deductible + Coinsurance	
Hospital / Emergency Services								
Inpatient Hospital Per Admission:	\$200		Deductible + Coinsurance		\$250 / Day		Deductible + Coinsurance	
Emergency Room:	\$100		\$350		\$100		Deductible + Coinsurance	
Urgent Care:	\$60		\$100		\$60		Deductible + Coinsurance	
Outpatient Surgical Facility:	\$100		Deductible + Coinsurance		\$100		Deductible + Coinsurance	
Ambulatory Surgery Center:	\$100		Deductible + Coinsurance		\$100		Deductible + Coinsurance	
Diagnostic Services								
Lab, X-Ray & Diagnostics Outpatient:	\$0		\$0		\$0		Deductible + Coinsurance	
Advanced Imaging Services (MRI, MRA, PET, CT):	\$0		\$0		\$0		Deductible + Coinsurance	
Prescription Drug								
Deductible:	N/A		N/A		Calendar Year Deductible		Calendar Year Deductible	
Prescription Tier	\$15 / \$35 / \$60 / \$100		\$15 / \$35 / \$60 / \$100		\$15 / \$35 / \$60 / \$100		\$15 / \$35 / \$60 / \$100	
Mail Order Prescription (90 Day Supply):	2x's Copay		2x's Copay		2x's Copay		2x's Copay	
Non-Network Plan Details	Non-Network		Non-Network		Non-Network		Non-Network	
Plan Deductible	N/A		N/A		\$500	\$1,000	\$2,600	\$5,200
Coinsurance:	N/A		N/A		50%		40%	
Maximum Out-of-Pocket:	N/A		N/A		\$6,000	\$12,000	\$10,000	\$10,000
Per Occurrence Deductible (Inpatient/Outpatient):	N/A		N/A		N/A		N/A	

Plan Rates | Current Enrollment

	Option 1							
Employee:	143	\$729.36	91	\$674.02	13	\$740.38	24	\$600.90
Employee + Spouse:	25	\$1,290.36	11	\$1,192.42	2	\$1,309.87	8	\$1,063.01
Employee + Child(ren):	12	\$1,290.36	10	\$1,192.42	2	\$1,309.87	3	\$1,063.01
Family:	28	\$1,581.80	21	\$1,461.72	4	\$1,605.70	9	\$1,303.05
Estimated Monthly Premiums:	208	\$196,332	133	\$117,073	21	\$21,287	44	\$37,842
Estimated Annual Premiums:		\$2,355,986		\$1,404,873		\$255,447		\$454,106

	Option 1				*If your policy year claims run favorably, you can receive 50% of that savings as a dividend			
Estimated Grand Total Annual Premiums:		\$4,470,412						
PEPY		\$11,011						
Rate Change from Current (%):		17.2%						
Rate Change from Current (\$):		\$655,539						

Executive Summary of Medical & Prescription Drug Coverage

City of Port Orange

July 1, 2017 - June 30, 2018

Option 1													
Vendor		Florida Hospital Care Advantage			Florida Hospital Care Advantage			Florida Hospital Care Advantage			Florida Hospital Care Advantage		
Plan Name		CS T10			CS T38			2000 CS T34			CS T96		
Plan Type		HMO			HMO			POS			POS HDHP		
Plan Details		Network			Network			Network			Network		
		Single		Family	Single		Family	Single		Family	Single		Family
Plan Deductible		\$0		\$0	\$500		\$1,000	\$0		\$0	\$1,300		\$2,600
Embedded Deductible:		N/A			Yes			N/A			No		
Calendar or Policy Year:		Calendar			Calendar			Calendar			Calendar		
Coinsurance:		15%			20%			10%			20%		
Maximum Out-of-Pocket:		\$3,000		\$6,000	\$4,000		\$8,000	\$3,000		\$6,000	\$5,000		\$5,000
(Includes Deductible, Copay, Rx)		N/A, Yes, Yes			Yes, Yes, Yes			N/A, Yes, Yes			Yes, N/A, Yes		
Physician Services													
Office Visit:		\$20			\$20			\$20			Deductible + Coinsurance		
Specialist:		\$35			\$50			\$35			Deductible + Coinsurance		
Chiropractic:		\$15			\$25			\$15			Deductible + Coinsurance		
Hospital / Emergency Services													
Inpatient Hospital Per Admission:		\$200			Deductible + Coinsurance			\$250 / Day (Days 1-5)			Deductible + Coinsurance		
Emergency Room:		\$100			\$350			\$100			Deductible + Coinsurance		
Urgent Care:		\$60			\$100			\$60			Deductible + Coinsurance		
Outpatient Surgical Facility:		\$100			Deductible + Coinsurance			\$100			Deductible + Coinsurance		
Ambulatory Surgery Center:		\$100			Deductible + Coinsurance			\$100			Deductible + Coinsurance		
Diagnostic Services													
Lab, X-Ray & Diagnostics Outpatient:		\$0			\$0			\$0			Deductible + Coinsurance		
Advanced Imaging Services (MRI, MRA, PET, CT):		\$0			Deductible + Coinsurance			\$0			Deductible + Coinsurance		
Prescription Drug													
Deductible:		N/A			N/A			N/A			Calendar Year Deductible		
Prescription Tier		\$3 / \$10 / \$30 / \$55 / \$125			\$3 / \$10 / \$30 / \$55 / \$125			\$3 / \$10 / \$30 / \$55 / \$125			\$3 / \$10 / \$30 / \$55 / \$125		
Mail Order Prescription (90 Day Supply):		\$6 / \$27 / \$87 / \$162 / N/A			\$6 / \$27 / \$87 / \$162 / N/A			\$6 / \$27 / \$87 / \$162 / N/A			\$6 / \$27 / \$87 / \$162 / N/A		
Non-Network Plan Details		Non-Network			Non-Network			Non-Network			Non-Network		
Plan Deductible		N/A			N/A			\$2,000		\$4,000	\$2,600		\$5,200
Coinsurance:		N/A			N/A			50%			40%		
Maximum Out-of-Pocket:		N/A			N/A			\$6,000		\$12,000	\$10,000		\$10,000
Per Occurrence Deductible (Inpatient/Outpatient):		N/A			N/A			N/A			N/A		
Plan Rates Current Enrollment		Option 1											
Employee:	143	\$688.42		91	\$565.41		13	\$693.23		24	\$465.09		
Employee + Spouse:	25	\$1,215.75		11	\$998.53		2	\$1,224.26		8	\$821.36		
Employee + Child(ren):	12	\$1,215.75		10	\$998.53		2	\$1,224.26		3	\$821.36		
Family:	28	\$1,491.12		21	\$1,224.70		4	\$1,501.56		9	\$1,007.40		
Estimated Monthly Premiums:	208	\$185,178		133	\$98,140		21	\$19,915		44	\$29,264		
Estimated Annual Premiums:		\$2,222,138			\$1,177,682			\$238,983			\$351,165		
Rate Change from Current (%):													
		Option 1											
Estimated Grand Total Annual Premiums:		\$3,989,968											
PEPY		\$9,828											
Rate Change from Current (%):		4.6%											
Rate Change from Current (\$):		\$175,095											

*Members enrolled in the POS plan have access to Halifax Health providers and facilities through the Multiplan Complimentary Network

Executive Summary of Medical & Prescription Drug Coverage

City of Port Orange

July 1, 2017 - June 30, 2018

Option 1												
Vendor	Humana			Humana			Humana			Humana		
Plan Name	Plan 2 (T10)			Plan 1 (T38)			Plan 3 (T34)			Plan 4 (T96)		
Plan Type	OA HMO			OA HMO			NPOS			NPOS HDHP		
Plan Details	Network			Network			Network			Network		
	Single		Family	Single		Family	Single		Family	Single		Family
Plan Deductible	\$0		\$0	\$500		\$1,000	\$0		\$0	\$1,300		\$2,600
Embedded Deductible:	N/A			Yes			N/A			No		
Calendar or Policy Year:	Calendar			Calendar			Calendar			Calendar		
Coinsurance:	0%			20%			0%			20%		
Maximum Out-of-Pocket:	\$3,000		\$6,000	\$4,000		\$8,000	\$3,000		\$6,000	\$5,000		\$5,000
(Includes Deductible, Copay, Rx)	N/A, Yes, Yes			Yes, Yes, Yes			N/A, Yes, Yes			Yes, N/A, Yes		
Physician Services												
Office Visit:	\$20			\$25			\$20			Deductible + Coinsurance		
Specialist:	\$35			\$50			\$35			Deductible + Coinsurance		
Chiropractic:	\$35			\$50			\$35			Deductible + Coinsurance		
Hospital / Emergency Services												
Inpatient Hospital Per Admission:	\$200			Deductible + Coinsurance			\$250 / Day (Days 1-5)			Deductible + Coinsurance		
Emergency Room:	\$100			\$350			\$100			Deductible + Coinsurance		
Urgent Care:	\$60			\$100			\$60			Deductible + Coinsurance		
Outpatient Surgical Facility:	Deductible + Coinsurance			Deductible + Coinsurance			Deductible + Coinsurance			Deductible + Coinsurance		
Ambulatory Surgery Center:	Deductible + Coinsurance			Deductible + Coinsurance			Deductible + Coinsurance			Deductible + Coinsurance		
Diagnostic Services												
Lab, X-Ray & Diagnostics Outpatient:	\$0			\$0			\$0			Deductible + Coinsurance		
Advanced Imaging Services (MRI, MRA, PET, CT):	Deductible + Coinsurance			Deductible + Coinsurance			Deductible + Coinsurance			Deductible + Coinsurance		
Prescription Drug												
Deductible:	N/A			N/A			N/A			Calendar Year Deductible		
Prescription Tier	\$10 / \$30 / \$50 / \$125			\$10 / \$35 / \$55 / \$125			\$10 / \$30 / \$50 / 25%			\$10 / \$30 / \$50 / 25%		
Mail Order Prescription (90 Day Supply):	2.5x's Copay			2.5x's Copay			2.5x's Copay			2.5x's Copay		
Non-Network Plan Details	Non-Network			Non-Network			Non-Network			Non-Network		
Plan Deductible	N/A			N/A			\$3,000		\$6,000	\$2,600		\$5,200
Coinsurance:	N/A			N/A			30%			40%		
Maximum Out-of-Pocket:	N/A			N/A			\$6,000		\$12,000	\$10,000		\$10,000
Per Occurrence Deductible (Inpatient/Outpatient):	N/A			N/A			N/A			N/A		
Plan Rates Current Enrollment												
Employee:	143	\$567.12	91	\$521.56	13	\$606.88	24	\$454.53				
Employee + Spouse:	25	\$1,134.23	11	\$1,043.13	2	\$1,213.77	8	\$909.07				
Employee + Child(ren):	12	\$1,077.52	10	\$990.97	2	\$1,153.08	3	\$863.62				
Family:	28	\$1,814.77	21	\$1,669.01	4	\$1,942.03	9	\$1,454.51				
Estimated Monthly Premiums:	208	\$173,198	133	\$103,895	21	\$20,391	44	\$33,863				
Estimated Annual Premiums:		\$2,078,373		\$1,246,744		\$244,695		\$406,353				
Rate Change from Current (%):												
		Option 1										
Estimated Grand Total Annual Premiums:		\$3,976,164										
PEPY		\$9,794										
Rate Change from Current (%):		4.2%										
Rate Change from Current (\$):		\$161,291										

Executive Summary of Medical & Prescription Drug Coverage

City of Port Orange

July 1, 2017 - June 30, 2018

Option 1												
Vendor	United Healthcare			United Healthcare			United Healthcare			United Healthcare		
Plan Name	Legacy AQML-M RX-158			Legacy AQN7-M RX-158			Legacy AQMP-M RX-158			Legacy AQSL-M RX-125 INT		
Plan Type	HMO			HMO			POS			POS HSA		
Plan Details	Network			Network			Network			Network		
	Single		Family	Single		Family	Single		Family	Single		Family
Plan Deductible	\$0		\$0	\$500		\$1,000	\$0		\$0	\$1,300		\$2,600
Embedded Deductible:	N/A			Yes			N/A			No		
Calendar or Policy Year:	Calendar			Calendar			Calendar			Calendar		
Coinsurance:	0%			20%			0%			20%		
Maximum Out-of-Pocket:	\$3,000		\$6,000	\$4,000		\$8,000	\$3,000		\$6,000	\$5,000		\$5,000
(Includes Deductible, Copay, Rx)	N/A, Yes, Yes			Yes, Yes, Yes			N/A, Yes, Yes			Yes, N/A, Yes		
Physician Services												
Office Visit:	\$20			\$25			\$20			Deductible + Coinsurance		
Specialist:	\$35			\$50			\$35			Deductible + Coinsurance		
Chiropractic:	\$20			\$25			\$20			Deductible + Coinsurance		
Hospital / Emergency Services												
Inpatient Hospital Per Admission:	\$200			Deductible + Coinsurance			\$250 / Day (Days 1-5)			Deductible + Coinsurance		
Emergency Room:	\$100			\$350			\$100			Deductible + Coinsurance		
Urgent Care:	\$60			\$100			\$60			Deductible + Coinsurance		
Outpatient Surgical Facility:	\$100			Deductible + Coinsurance			\$100			Deductible + Coinsurance		
Ambulatory Surgery Center:	\$100			Deductible + Coinsurance			\$100			Deductible + Coinsurance		
Diagnostic Services												
Lab, X-Ray & Diagnostics Outpatient:	\$0			\$0			\$0			Deductible + Coinsurance		
Advanced Imaging Services (MRI, MRA, PET, CT):	\$0			Deductible + Coinsurance			\$0			Deductible + Coinsurance		
Prescription Drug												
Deductible:	N/A			N/A			N/A			Calendar Year Deductible		
Prescription Tier	\$10 / \$35 / \$50			\$10 / \$35 / \$50			\$10 / \$35 / \$50			\$10 / \$35 / \$60		
Mail Order Prescription (90 Day Supply):	2x's Copay			2x's Copay			2x's Copay			2.5x's Copay		
Non-Network Plan Details	Non-Network			Non-Network			Non-Network			Non-Network		
Plan Deductible	N/A			N/A			\$2,000		\$4,000	\$2,600		\$5,200
Coinsurance:	N/A			N/A				50%			40%	
Maximum Out-of-Pocket:	N/A			N/A			\$6,000		\$12,000	\$10,000		\$10,000
Per Occurrence Deductible (Inpatient/Outpatient):	N/A			N/A				N/A			N/A	
Plan Rates Current Enrollment										Option 1		
Employee:	143	\$686.02	91	\$573.83	13	\$708.55	24	\$481.81				
Employee + Spouse:	25	\$1,211.52	11	\$1,013.39	2	\$1,251.31	8	\$850.89				
Employee + Child(ren):	12	\$1,211.52	10	\$1,013.39	2	\$1,251.31	3	\$850.89				
Family:	28	\$1,485.93	21	\$1,242.93	4	\$1,534.73	9	\$1,043.61				
Estimated Monthly Premiums:	208	\$184,533	133	\$99,601	21	\$20,355	44	\$30,316				
Estimated Annual Premiums:	\$2,214,398			\$1,195,215			\$244,264			\$363,789		
Rate Change from Current (%):												
Option 1												
Estimated Grand Total Annual Premiums:	\$4,017,665											
PEPY	\$9,896											
Rate Change from Current (%):	5.3%											
Rate Change from Current (\$):	\$202,792											
										*Performance Rewards - If the experience shows a positive balance versus the predetermined target, 50% of the premium balance is credited, up to 8% of the actual premium cost		
										*Medical rates will receive a 1.5% discount If packaged with dental & vision		

Rates subject to final enrollment and underwriting

CITY OF PORT ORANGE
NETWORK DISRUPTION ANALYSIS SUMMARY - PROVIDER SUMMARY
JULY 1, 2017 - JUNE 30, 2018

Carrier	Dental Network	Total Providers In/Out of Network	In Network Matches	% INN	Negative Disruption	% OON	Out of Network Matches	% OON	Positive Disruption	% INN
<u>FCL (Current)</u>	<u>FCL (Current)</u>	<u>98/54</u>								
<u>Cigna</u>	<u>Cigna DPPO Advantage</u>	<u>129/23</u>	<u>95</u>	<u>97%</u>	<u>3</u>	<u>3%</u>	<u>20</u>	<u>37%</u>	<u>34</u>	<u>63%</u>
<u>Standard</u>	<u>Ameritas Classic PPO</u>	<u>104/48</u>	<u>83</u>	<u>85%</u>	<u>15</u>	<u>15%</u>	<u>33</u>	<u>61%</u>	<u>21</u>	<u>39%</u>
<u>MetLife</u>	<u>MetLife PDP PPO</u>	<u>121/31</u>	<u>92</u>	<u>94%</u>	<u>6</u>	<u>6%</u>	<u>25</u>	<u>46%</u>	<u>29</u>	<u>54%</u>
<u>Principal</u>	<u>Principal</u>	<u>115/37</u>	<u>93</u>	<u>95%</u>	<u>5</u>	<u>5%</u>	<u>32</u>	<u>59%</u>	<u>22</u>	<u>41%</u>

Executive Summary of Dental Coverage
City of Port Orange
July 1, 2017 - June 30, 2018

	Current Renewal Revised Renewal			Option 1	Option 2	Option 3
Vendor	Florida Combined Life			Standard	Cigna	MetLife
Network:	Florida Combined Life			Ameritas	Cigna	MetLife
Plan Name:	PPO			PPO	DPPO	PPO
Plan Details	Single	Network	Family	Single	Network	Single
Coinsurance Percentage (Preventive Basic Major Ortho):	100% 100% 50% 50%			100% 100% 50% 50%		
Deductible (Family Maximum):	\$25		\$75	\$25	\$25	\$25
Deductible Waived for Preventive:		Yes		Yes	Yes	Yes
Calendar Year Maximum:		\$2,500		\$2,500	\$2,500 (Advantage) \$1,500	\$2,500
Orthodontic Lifetime Maximum:		\$1,000		\$1,000	\$1,000	\$1,000
Included Adult Ortho:		Yes		Yes	Yes	Yes
Dental Services	Benefit Level	Frequency		Benefit Level	Frequency	
Routine Exam & Cleaning:	Preventive	2 per year		Preventive	2 per year	
Fluoride Treatment:	Preventive	2 per year, under 14		Preventive	2 per year, under 14	
X-Ray (Bitewings):	Preventive	1 per year		Preventive	1 per year	
X-Ray (Full Mouth):	Preventive	1 per 3 years		Preventive	1 per 3 years	
Sealants:	Preventive	under 17		Preventive	under 17	
Fillings:	Basic	1 per tooth per year		Basic		
Oral Surgery (Simple):	Basic			Basic		
Oral Surgery (Complex):	Basic			Basic		
Root Canal Therapy:	Basic			Basic		
Periodontal Scaling:	Basic	1 per quadrant per 2 years		Basic		
Periodontal Surgery:	Major	1 per quadrant per 3 years		Major		
Crowns:	Major	1 per tooth per 5 years		Major	1 per tooth per 5 years	
Bridges:	Major	1 per 5 years		Major	1 per 5 years	
Dentures:	Major	1 per 5 years		Major	1 per 5 years	
Implants:	Major	1 per tooth per 5 years		Major	1 per tooth per 5 years	
Non-Network Details	Non-Network			Non-Network		
Coinsurance Percentage (Preventive Basic Major Ortho):	100% 90% 50% 50%			100% 90% 50% 50%		
Deductible (Family Maximum):	\$25		\$75	\$25	\$25	\$25
Deductible Waived for Preventive:		Yes		Yes	Yes	Yes
Calendar Year Maximum:		\$1,500		\$1,500	\$1,500	\$1,500
Percent of UCR:		90th		90th	90th	90th
Waiting Periods:	None			None		
Late Entrant Penalties:	Not permitted			12 months all except exams, cleanings & fluoride		
Allows Annual Open Enrollment:	Yes			No		
Included Rollover:	No			No		
Employer Contribution:	100%			100%		
Participation Requirement:	82%			100%		
Rate Guarantee:	1 Year (07/01/17 - 06/30/18)			1 Year (07/01/17 - 06/30/18)		
Plan Rates Current Enrollment	Current	Renewal	Revised	Option 1		
Employee:	246	\$34.41	\$34.41	\$30.54		
Family:	161	\$93.39	\$93.39	\$82.86		
Total:	407					
Estimated Monthly Premiums:	\$23,501	\$23,501	\$22,559	\$20,853		
Estimated Annual Premiums:	\$282,008	\$282,008	\$270,708	\$250,240		
PEPY	\$693	\$693	\$665	\$615		
Rate Change from Current (%):		0.0%	-4.0%	-11.3%		
Rate Change from Current (\$):		\$0	-\$11,299	-\$31,768		
Notes:				Packaged rates		

Executive Summary of Group Life & AD&D Coverage

City of Port Orange
July 1, 2017 - June 30, 2018

Basic Life:	19,551,500
AD&D:	19,551,500

	Current Renewal Revised Renewal			Option 1			Option 2			Option 3		
Vendor	Florida Combined Life			Cigna			MetLife			Standard		
Class Definition Plan Details:	Benefit	Maximum	Guarantee Issue	Benefit	Maximum	Guarantee Issue	Benefit	Maximum	Guarantee Issue	Benefit	Maximum	Guarantee Issue
Class 1: All Other Employees	1x's Salary	\$140,000	\$140,000	1x's Salary	\$140,000	\$140,000	1x's Salary	\$140,000	\$140,000	1x's Salary	\$140,000	\$140,000
Class 2: City Council Members	1.5x's Salary	\$140,000	\$140,000	1.5x's Salary	\$140,000	\$140,000	1.5x's Salary	\$140,000	\$140,000	1.5x's Salary	\$140,000	\$140,000
Class 3: Directors	2x's Salary	\$250,000	\$250,000	2x's Salary	\$250,000	\$250,000	2x's Salary	\$250,000	\$250,000	2x's Salary	\$250,000	\$250,000
Class 4: Attorneys & City Managers	3x's Salary	\$300,000	\$300,000	3x's Salary	\$300,000	\$300,000	3x's Salary	\$300,000	\$300,000	3x's Salary	\$300,000	\$300,000
Reduction Schedule:	50% at age 70			50% at age 70			50% at age 70			50% at age 70		
Waiver of Premium:	Included			Included			Included			Included		
Conversion:	Included			Included			Included			Included		
Accelerated Death Benefit:	Included			Included			Included			Included		
Seatbelt/Safe Driver Benefit:	Included			Included			Included			Included		
Current Enrollment:												
Employer Contribution:	100%			100%			100%			100%		
Participation Requirement:	100%			100%			100%			100%		
Rate Guarantee:	1 Year (07/01/17 - 06/30/18)			3 Years (07/01/17 - 06/30/20)			2 Years (07/01/17 - 06/30/19)			2 Years (07/01/17 - 06/30/19)		
Plan Rates	Current	Renewal	Revised	Option 1			Option 2			Option 3		
Basic Life	\$0.170	\$0.170	\$0.160	\$0.150			\$0.150			\$0.160		
AD&D	\$0.030	\$0.030	\$0.030	\$0.020			\$0.036			\$0.044		
Estimated Monthly Premiums:	\$3,910	\$3,910	\$3,715	\$3,324			\$3,637			\$3,989		
Estimated Annual Premiums:	\$46,924	\$46,924	\$44,577	\$39,885			\$43,639			\$47,862		
Rate Change from Current (%):	0.0%			-15.0%			-7.0%			2.0%		
Rate Change from Current (\$):	\$0			-\$7,039			-\$3,285			\$938		

Notes:

*Must be sold with Dental & Vol Life
*Sold with Dental Only - Life - .22, AD&D - .03
*Rates may be adjusted upon receiving
Class 1 Occupations

Packaged rates

Packaged rates

Executive Summary of Vision Coverage

City of Port Orange

July 1, 2017 - June 30, 2018

	Current Renewal		Option 1	Option 2	Option 3
Vendor	VSP		Cigna	MetLife	Standard
Network	VSP Choice		Cigna	MetLife	VSP Choice
Plan Name	PPO Vision		PPO	M130D	PPO
Copays	Network		Network	Network	Network
Exam:	\$10		\$10	\$10	\$10
Materials:	\$25		\$25	\$25	\$25
Frequencies					
Exams:	12 months		12 months	12 months	12 months
Lenses:	12 months		12 months	12 months	12 months
Frames:	24 months		24 months	24 months	24 months
Contacts:	12 months		12 months	12 months	12 months
Allowances					
Frames:	\$130* (20% off balance)		\$130* (20% off balance)	\$130* (20% off balance)	\$130* (20% off balance)
Contact (Elective):	\$130		\$130	\$130	\$130
Contact (Medically Necessary):	\$130		Covered in Full	Covered in Full	Covered in Full
Non-Network Details	Non-Network		Non-Network	Non-Network	Non-Network
Exam:	up to \$45		up to \$45	up to \$45	up to \$45
Single Vision:	up to \$30		up to \$40	up to \$30	up to \$30
Bifocal:	up to \$50		up to \$65	up to \$50	up to \$50
Trifocal:	up to \$65		up to \$75	up to \$65	up to \$65
Frames:	up to \$70		up to \$71	up to \$70	up to \$70
Contact (Elective):	up to \$105		up to \$105	up to \$105	up to \$105
Contact (Medically Necessary):	up to \$105		up to \$210	up to \$210	up to \$210
Employer Contribution:	0%		0%	0%	0%
Participation Requirement:	58%		15%	58%	50%
Rate Guarantee:	4 Years (07/01/2017 - 6/30/2021)		2 Years (07/01/2017 - 6/30/2019)	2 Years (07/01/2017 - 6/30/2019)	2 Years (07/01/2017 - 6/30/2019)
Plan Rates Current Enrollment	CurrentRenewal		Option 1	Option 2	Option 3
Employee:	145	\$7.01\$7.01	\$5.29	\$6.26	\$6.48
Employee + 1:	54	\$10.16\$10.16	\$10.11	\$9.08	\$11.92
Family:	50	\$18.21\$18.21	\$16.44	\$16.27	\$18.04
Total:	249				
Estimated Monthly Premiums:	\$2,476	\$2,476	\$2,135	\$2,212	\$2,485
Estimated Annual Premiums:	\$29,707	\$29,707	\$25,620	\$26,538	\$29,823
PEPY		\$119	\$103	\$107	\$120
Rate Change from Current (%):		0.0%	-13.8%	-10.7%	0.4%
Rate Change from Current (\$):		\$0	-\$4,087	-\$3,169	\$116
Notes:	*\$150 allowance for featured frames *Revised renewal - extended rate guarantee to 4 years		*Must be sold with Dental & Life	Packaged rates	Packaged rates

Executive Summary of Voluntary Group Life & AD&D Coverage

City of Port Orange

July 1, 2017 - June 30, 2018

	Option 1	
Vendor	Cigna	
Plan Details (Employee)		
Benefit (Increments of):	\$10,000	
Not to Exceed:	5x's Salary	
Maximum Benefit:	\$500,000	
Guarantee Issue:	\$100,000	
Plan Details (Dependent)		
Spouse Benefit (Increments of):	\$5,000	
Maximum Benefit:	\$250,000	
Guarantee Issue:	\$25,000	
Not to Exceed:	50% of EE's amount	
Child(ren) Benefit:	Birth to 6 months: \$500	
Child(ren) Benefit:	6 months to 26 years: Units of \$1,000 up to \$10,000	
Full-Time Student:	26	
Reduction Schedule:	50% at age 70	
Waiver of Premium:	Included	
Conversion:	Included	
Accelerated Death Benefit:	Included	
Seatbelt/Safe Driver Benefit:	Included	
Employer Contribution:	0%	
Participation Requirement:	30%	
Rate Guarantee:	3 Years (07/01/17 - 06/30/2020)	
Plan Rates per \$1,000	Option 1	
	Employee	Spouse
Under 20	\$0.106	\$0.106
Age 20 - 24	\$0.106	\$0.106
Age 25 - 29	\$0.106	\$0.106
Age 30 - 34	\$0.106	\$0.106
Age 35 - 39	\$0.130	\$0.130
Age 40 - 44	\$0.187	\$0.187
Age 45 - 49	\$0.282	\$0.282
Age 50 - 54	\$0.447	\$0.447
Age 55 - 59	\$0.719	\$0.719
Age 60 - 64	\$1.103	\$1.103
Age 65 - 69	\$1.870	\$1.870
Age 70 - 74	\$3.547	
Age 75 - 79	\$6.547	
Age 80 - 84	\$13.006	
Age 85 - 89	\$21.715	
Age 90 -94	\$35.430	
Age 95 - 99	\$53.782	
	*Spouse coverage terminates at age 70	
AD&D	\$0.027	\$0.021
Child AD&D	Child Life - .22, AD&D -0.028	
Notes:	*Must be sold with Dental & Life	
	*Rates may be adjusted upon receiving Class 1 Occupations	

Premium Calculation : Age 40-44

Step 1: Benefit : \$10,000 / 1000 = 10 # Units

Step 2: # Units : 10 x .187 Age-banded Rate = \$1.87 Premium Per Month

Package Comparison Summary

	Current	Renewal	Revised	Cigna	MetLife	Standard
Dental	\$282,008	\$282,008	\$270,708	\$252,953	\$253,838	\$250,240
Life	\$46,924	\$46,924	\$44,577	\$39,885	\$43,639	\$47,862
Current Annual Subtotal (Dental, Life)	\$328,932	\$328,932	\$315,285	\$292,838	\$297,477	\$298,102
<i>Rate Change from current</i>		0.0%	-4.1%	-11.0%	-9.6%	-9.4%
<i>\$ Change from current</i>		\$0	-\$13,647	-\$36,094	-\$31,455	-\$30,830
Vision	\$29,707	\$29,707	\$29,707	\$25,620	\$26,538	\$29,823
Current Annual Subtotal	\$29,707	\$29,707	\$29,707	\$25,620	\$26,538	\$29,823
<i>Rate Change from current</i>		0.0%	0.0%	-13.8%	-10.7%	0.4%
<i>\$ Change from current</i>		\$0	\$0	-\$4,087	-\$3,169	\$116
Total Package Annual Total	\$358,639	\$358,639	\$344,992	\$318,458	\$324,015	\$327,925
<i>Rate Change from current</i>		0.0%	-3.8%	-11.2%	-9.7%	-8.6%
<i>\$ Change from current</i>			-\$13,647	-\$40,181	-\$34,624	-\$30,714



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: Yes

SUBJECT: (B8) Approval of the Third Amendment to the Interlocal Agreement Between Ponce Inlet and the City of Port Orange for Billing Sewer Services

DEPARTMENT: City Manager

GOAL: 5 - Fiscal Sustainability

RECOMMENDED MOTION: Move to approve the third Amendment to the Interlocal Agreement Between Ponce Inlet and the City of Port Orange for Sewer Services

SUMMARY: The City of Port Orange's current interlocal agreement with the Town of Ponce Inlet for sewer customer service support has been in place since March 23, 1993. If accepted, this item will be the third amendment to the restatement and amendment to the sewer services interlocal agreement.

Ponce Inlet and Port Orange agree (based on this document) that it would be mutually beneficial for the Town to provide uniform billing to its customers for water, irrigation, sewer and trash. The other alternative was to provide each customer two bills (one from Ponce Inlet for water and trash and one from Port Orange for sewer). The "two-bill" alternative was deemed inefficient and not customer friendly.

In lieu of having to provide customer service and billing support for sewer services in Ponce Inlet, the City of Port Orange agreed to pay Ponce Inlet to take on that burden.

The 2007 amendment to this interlocal agreement (included as back-up to this item) extended this contract through May 2016 and we have been operating under this agreement since that time. The third amendment extends the interlocal for an additional 10 years and includes an update to the payment plan.

We currently pay the Town of Ponce Inlet \$21,528.14 to provide sewer billing and customer service for their customers. Staff analyzed this amount and it is consistent with the additional costs we would incur should we take on this process. The third amendment also includes a 1.8% escalator on our payment to Ponce Inlet over the new 10-year period. This escalator is based on the average increase in non-seasonally adjusted CPI for the South Urban Region (All Urban Consumers) over the last 10 years.

The Town of Ponce Inlet approved this amendment at their meeting on March 16, 2017.

Project No.: Funding Account No.:

ATTACHMENTS:

1.	2017 3rd Amendment	2017 Third Amendment - Half Signed.pdf
2.	2013 2nd Amendment	2013 Second Amendment.pdf
3.	2007 1st Amendment	PI Sewer 2007 Amendment.pdf
4.	2004 Restatement and Amendment	PI Sewer 2004 Amendment.pdf

Alan Rosen	Created/Initiated - 03/14/2017
Tracey Riehm	Approved - 04/03/2017
Lynn Stevens	Approved - 04/03/2017
Margaret Roberts	Approved - 04/06/2017
Jake Johansson	Approved - 04/06/2017
Robin Fenwick	Final Approval - 04/06/2017

**THIRD AMENDMENT TO
RESTATEMENT AND AMENDMENT TO SEWER SERVICES
INTERLOCAL AGREEMENT DATED MARCH 26, 1993
BETWEEN THE TOWN OF PONCE INLET, FLORIDA AND
THE CITY OF PORT ORANGE, FLORIDA**

This Third Amendment to Restatement and Amendment to Sewer Services Interlocal Agreement Dated March 26, 1993 Between the Town of Ponce Inlet, Florida and The City of Port Orange, Florida ("Agreement") is entered into the date set forth hereinafter between the Town of Ponce Inlet, Florida, hereinafter the "Town" and the City of Port Orange, Florida, hereinafter the "City", and collectively referred to as the "Parties".

Whereas, the Parties entered into an agreement for sewer services dated March 26, 1993; and

Whereas, a Restatement and Amendment was entered into between the Town and the City, and recorded on January 20, 2004 in Official Records Book 5243 at Page 4473 in the Public Records of Volusia County, Florida (the "Restatement"); and

Whereas, an Amendment to the Restatement was entered into between the Town and the City, and recorded on July 31, 2007 in Official Records Book 6102 at Page 1652 in the Public Records of Volusia County, Florida; and

Whereas, a Second Amendment to the Restatement was entered into between the Town and the City on May 21, 2013, and recorded in Official Records Book 7274 at Page 1524 in the Public Records of Volusia County, Florida; and

Whereas, Chapter 163, Part I, Florida Statutes, authorizes and provides for interlocal agreements between public agencies including cities; and

Whereas, the Town and City deem it mutually beneficial to continue the long-term relationship for the purpose of providing uniform billing services to be provided by the Town wherein the Town will compute and bill for sewer services within the Town relating to customers connected to the City's owned sewer system, which billings are based on water usage which is billed by the Town for retail customers of the Town, thus making it both reasonable and practical for the Town to render consolidated billings for both water and sewer services with subsequent remittance of sewer service monies to the City as provided herein; and

Whereas, a Third Amendment to the Restatement is necessary to extend the Agreement for an additional ten (10) year period, and adjust the fees for billing services provided by the Town.

NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS:

1. The foregoing premises are true and correct and are incorporated herein by reference. The purpose of this Agreement is as hereinabove expressed. This Agreement shall become effective upon execution by the appropriate officials from the City and the Town, and by filing with the Clerk of Court of Volusia County, Florida. This Agreement shall remain in effect for a period of ten (10) years from the effective date, unless terminated by one of the Parties. This Agreement may be terminated by either party upon giving thirty (30) days prior written notice to the other party. Upon expiration of the ten (10) year term, this Agreement may continue to remain in effect on an annual basis, subject to termination as provided herein.
2. In exchange for the services to be rendered by the Town as provided herein, the City shall pay the Town an administrative fee in the following manner:

Year	Payments to Ponce Inlet
FY 2018	\$21,917.00
FY 2019	\$22,312.00
FY 2020	\$22,713.00
FY 2021	\$23,122.00
FY 2022	\$23,538.00
FY 2023	\$23,962.00
FY 2024	\$24,393.00
FY 2025	\$24,832.00
FY 2026	\$25,279.00
FY 2027	\$25,734.00

Each payment shall be made by check issued by the City to the Town on or before the tenth day of October each fiscal year for the duration of this Agreement.

In the event that this Agreement continues beyond FY 2027, the administrative fee shall be increased annually at a rate of 1.8%.

3. **Terms Effectuated.** All other terms and conditions of the Restatement, as amended, shall remain in full force and effect except as modified herein.

IN WITNESS WHEREOF, the Parties hereto have executed this Third Amendment to Restatement and Amendment to Sewer Services Interlocal Agreement, by and through their duly authorized representatives, on the respective dates below.

Witness:

CITY OF PORT ORANGE

By: _____
Donald O. Burnette, Mayor

Attest: _____
Robin L. Fenwick, CMC, City Clerk

Date: _____

Witness:

Valerie S. Arnault

Margaret M. Huff



TOWN OF PONCE INLET

Gary Smith
Gary Smith, Mayor

Attest: Jeaneen Witt
Jeaneen Witt, Town Manager

Date: 3/21/17

**SECOND AMENDMENT TO
RESTATEMENT AND AMENDMENT TO SEWER SERVICES
INTERLOCAL AGREEMENT DATED MARCH 26, 1993
BETWEEN THE TOWN OF PONCE INLET, FLORIDA AND
THE CITY OF PORT ORANGE, FLORIDA**

This Amendment is entered into the date set forth hereinafter between the Town of Ponce Inlet, Florida, hereinafter the "Town" and the City of Port Orange, Florida, hereinafter the "City", and collectively referred to as the "Parties".

Whereas, the Parties entered into an agreement for sewer services dated March 26, 1993, referring to as the "Agreement"; and

Whereas, a Restatement was entered into between the Town and the City, and recorded on January 20, 2004 in Official Records Book 5243 at Page 4473 in the Public Records of Volusia County, Florida; and

Whereas, an Amendment to the Restatement was entered into between the Town and the City, and recorded on July 31, 2007 in Official Records Book 6102 at Page 1652 in the Public Records of Volusia County, Florida; and

Whereas, Chapter 163, Part I, Florida Statutes, authorizes and provides for interlocal agreements between public agencies including cities; and

Whereas, the City has adopted a new Industrial Pretreatment Ordinance which requires the Agreement to be updated to reflect said adoption and any subsequent adoptions in the future.

NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS:

1. Premises. The Parties agree that the foregoing premises are true and correct and are incorporated herein.
2. Paragraph Eleven (11) of the Amendment to Restatement and Amendment to Sewer Services Interlocal Agreement Dated March 26, 1993 Between the Town of Ponce Inlet, Florida and the City of Port Orange is hereby amended to read as follows:

The Town agrees to maintain, renew, and rehabilitate its sanitary sewage collection system as necessary to maintain an adequate service and to minimize infiltration and inflow of extraneous water into the system that would unduly overload or cause damage to the City's facilities. The Town further agrees to regulate its sewage system by ordinance and to require adequate pretreatment of strong or harmful industrial wastes at the source. The City presently has an amended Pretreatment Ordinance No. 2012-17 mandating industrial waste pretreatment at the source of the flow where applicable. The Town shall adopt and diligently enforce an ordinance that shall be no less stringent than the City's Ordinance 2012-17 or any successor ordinances adopted by the City regulating industrial waste pretreatment. In the event that the City enacts or amends any ordinances or resolutions affecting any of the foregoing, the City shall be obligated to communicate to the Town at least ninety (90) days advance notice by certified mail of the proposed ordinances or resolutions. The Town agrees to implement such requirements contained therein within ninety (90) days of the notice. The Town has primary responsibility for industrial uses permitting, compliance, and monitoring. The City shall be granted the authority for right of entry, inspections, and other compliance activities, including activities to take action and enforcement if the Town is unable or unwilling to do so. The Town shall indemnify the City for all damages, fines and costs incurred as a result of industrial waste discharged from the Town.

The Town will maintain current information on industrial users located in its jurisdiction as well as provide transfer of records of key activities if enforcement or permitting is required.

The Town shall be responsible for notifying sewer customers of the rate changes as required by general law. These requirements relating to sewer system improvements to be connected with the City system, rate changes, development (impact) fee changes and related items.

3. **Term Effective.** All other terms and conditions of the Agreement, as amended and restated, shall remain in full force and effect except as modified herein.

IN WITNESS WHEREOF, the Parties hereto have executed this Second Amendment to Restatement and Amendment to Sewer Services Interlocal Agreement, by and through their duly authorized representatives, on the respective dates below.

Witness:

Theresa Kutney
Lauratennant

CITY OF PORT ORANGE

By:

Allen Green
Allen Green, Mayor

Attest:

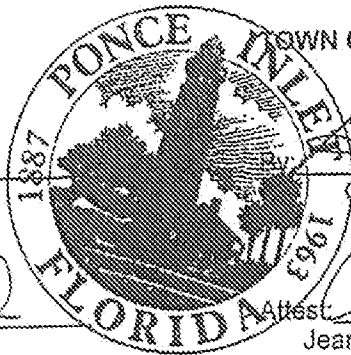
Robin L. Fenwick
Robin L. Fenwick, City Clerk

Date:

May 21, 2013

Witness:

Emily C. Haeger
Valerie S. Anand



TOWN OF PONCE INLET

By:

Gary Smith
Gary Smith, Mayor

Attest:

Jeanne P. Clauss
Jeanne Clauss, Town Manager

Date:

4-18-13

AMENDMENT TO
RESTATEMENT AND AMENDMENT TO SEWER SERVICES
INTERLOCAL AGREEMENT DATED MARCH 26, 1993
BETWEEN THE TOWN OF PONCE INLET, FLORIDA AND
THE CITY OF PORT ORANGE, FLORIDA

This Amendment is entered into the date set forth hereinafter between the Town of Ponce Inlet, Florida, hereinafter the "Town" and the City of Port Orange, Florida, hereinafter the "City", and collectively referred to as the "Parties".

Whereas, a Restatement was entered into between the Town of Ponce Inlet, Florida, and the City of Port Orange, Florida, and recorded on January 20, 2004 in Official Records Book 5243 at Page 4473 in the Public Records of Volusia County, Florida.

Whereas, Chapter 163, Part I, Florida Statutes, authorizes and provides for interlocal agreements between public agencies including cities; and

Whereas, the City of Port Orange presently own, operates and maintains a sewer system serving the Town of Ponce Inlet; and

Whereas, the Parties entered into an agreement for sewer services dated March 26, 1993, referring to as the "Agreement"; and

Whereas, the Parties deem it mutually beneficial to continue the long-term relationship for the purpose of providing uniform billing services to be provided by the Town wherein the Town will compute and bill for sewer services within the Town relating to customers connected to the City's owned sewer system referred to hereinabove, which billings are based on water usage which is billed by the Town for retail customers of the Town, thus making it both reasonable and practical for the Town to render consolidated billings for both water and sewer services with subsequent remittance of sewer service monies to the City as provided herein; and

Whereas, it continues to be in the best interest of the Town and the citizens thereof to establish the billing system as provided herein and is in the interest of the City to have such services rendered by the Town.

NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS:

1. The foregoing premises are true and correct and are incorporated herein by reference. The purpose of this Agreement is as hereinabove expressed. This agreement shall become effective upon execution by the appropriate

officials from the City and the Town by filing with the Clerk of the Circuit Court of Volusia County, Florida. This Agreement shall remain in effect for a period of ten (10) years from the effective date, unless terminated by one of the Parties. This Agreement may be terminated by either party upon giving thirty (30) days prior written notice to the other Party. Upon expiration of the ten (10) year term, this Agreement may continue to remain in effect on an annual basis, subject to termination as provided herein.

2. In exchange for the services to be rendered to the Town as provided herein, the City shall pay the Town an administrative fee in the following manner:

\$15,200 for the First year of the Agreement

\$16,500 for the Second year

\$17,800 for the Third year

\$19,100 for the Fourth year

\$20,400 for the Fifth year

This sum shall be payable by check issued by the City to the Town on or before the tenth day of October each year for the duration of this Agreement.

Each year thereafter, this rate shall be adjusted based on the change in the previous year's Consumer Price Index (CPI). The new rate shall be computed pursuant to the following calculation:

New rate= $[(CPI2-CPI1) \div CPI1] + 1 \times$ current year administrative fee

"CPI" - the Consumer Price Index (1982-84=100) for the U.S. City Average - all items - all Urban Consumers - South, published by the U.S. Department of Labor, Bureau of Labor Statistics.

"CPI1" - the published CPI for the month of June of the preceding year.

"CPI2" - the published CPI for the month of June for the year in which the rate is being adjusted.

3. The Town agrees to include on its consolidated utility bill a monthly sewer charge for customers as established by the City ordinance or resolution for such sewer service usage. The City agrees to provide the Town a proper schedule of sewer fees or charges which shall be the basis for the Town

calculating, billing and collecting monies due from the customers of City sewer system within the Town on a timely basis.

4. In addition to establishing, billing, and collecting customer sewer accounts and providing other general bill accounting services within the Town, the Town agrees to require connection to the sewer system and to collect sewer impact fees, from property owners, developers or builders within the Town prior to the issuance of billing permits for the new construction of each new or additional or equivalent living unit according to the Town's impact fee ordinance or resolution. Such impact fees shall include the appropriate prevailing development (impact) fees established by the City for sewer connections of similar construction as established by City's ordinances and resolutions. The Town of Ponce Inlet shall require sewer customers within the Town to pretreat industrial waste water before discharging into the sanitary sewer system and shall require sewer customers within the Town to install equipment for and to process restaurant waste water.
5. The Town will be responsible for all general bill accounting services including, but not limited to, responsibility for computer programming and computer system maintenance and all other operational and personnel requirements necessary in order to accommodate the sewer billings and sewer development (impact) fee collections. Also included in the services to be rendered by the Town will be responsibility for receiving and handling all complaints regarding billing issues from customers receiving the consolidated Town utility billings. The Town shall further be responsible for collecting all past due accounts, bad checks issued for utility bill payments, and related items. The Town shall further have the power to place liens against property served by the Town as to water and/or the City as to sewer based on non-payment for water and/or sewer services rendered to the property.
6. On or before the tenth (10th) of each month, the Town shall send a check to the City for all sewer charges for fees billed during the previous month, whether collected or not. A summary listing of the customer billing will be submitted at that time to the City by the Town.
7. On or before the tenth (10th) of each month, the Town shall send a check to the City for all development (impact) fees collected by the Town, on behalf of the City, during the previous month. A listing of all individual development

(impact) fees showing the property owner's name and property address shall be submitted to the City with the check for fees collected.

8. The Town agrees to strictly enforce a policy of disconnecting customers from water service for non-payment of the consolidated utility bill which includes the portion for sewer services covered hereby. On partial payments of the consolidated utility bill by a customer, the first dollars paid would be applied to sewer payments covered hereby with the remainder then being applied to water service charges due to the Town.
9. The City shall have the right to verify meter readings and other documents of the Town in order to ensure that all billings are accurate. Any discrepancies discovered by the City shall be reconciled by the City and Town in order to ensure accurate billings, collections and payments to the City as well as collections by the Town of monies due the Town. If the City and the Town are unable to reconcile any discrepancies, the discrepancies shall be resolved by selecting a mutually agreeable arbitrator whose decision will be binding. The City and Town agree to equally share the expense of any such arbitrator chosen.
10. The Town will submit all development plans within the Town which involve connection to the City owned sewer system to the City for review and approval prior to approval by the Town. Such development plans shall reflect sewer system design that meets City codes and standards. Final acceptance of sewer system improvements by the Town shall be subject to inspection and approval of the sewer system improvements by the City.
11. The City presently has an amended Pretreatment Ordinance No. 2004-45 mandating industrial waste pretreatment at the source of the flow where applicable. The Town shall adopt and diligently enforce a similar ordinance which will be no less stringent than the City Ordinance No. 2004-45. In the event that the City enacts or amends any ordinances or resolutions affecting any of the foregoing, the City shall be obligated to communicate to the town at least 90 days advance notice by certified mail of the proposed ordinances or resolutions. The Town agrees to implement such requirements contained therein within nineth (90) days of the notice. The Town has primary responsibility for industrial uses permitting, compliance, and monitoring. The City shall be granted the authority for right of entry, inspections, and other compliance activities, including activities to take action and enforcement if

the Town is unable or unwilling to do so. The Town will indemnify the City for all damages, fines and costs either incurred as a result of industrial waste discharged from the Town.

The Town will maintain current information on industrial users located in its jurisdiction as well as provide transfer of records of key activities if enforcement or permitting is required.

The Town shall be responsible for notifying sewer customers of the rate changes as required by general law. These requirements relating to sewer system improvements to be connected with the City system, rate changes, development (impact) fee changes and related items.

12. The Town agrees to work with the City in establishing a system whereby messages to all sewer customers may be delivered by way of the monthly bill rendered by the Town. This may be in the form of messages to be printed on the billings themselves.
13. Any existing customer billing issues or other disputes involving communications directly between the customer and the City shall continue to be the responsibility of the City to process and resolve in coordination with the Town.
14. The City Manager of the City and the Town Manager of the Town shall coordinate the exchange of documents required hereby and the implementation of this Agreement as quickly as practical after adoption hereof by the governing bodies of the City and the Town.
15. This Agreement may be amended only by an instrument of equal formality signed by the respective parties. Such amendment shall be effective upon execution by the appropriate officials from the City and the Town and filing with the Clerk of the Circuit Court of Volusia County, Florida.
16. All notices required to be given to either Party shall be in writing, addressed to the other Party as follows, and delivered by certified mail or in person:

Town Manager
Town of Ponce Inlet
4680 S. Peninsula Drive
Ponce Inlet, Florida 32127

City Manager
City of Port Orange
1000 City Center Circle
Port Orange, Florida 32129

IN WITNESS WHEREOF, the Parties hereto have executed this Restatement and Amendment to Sewer Services Interlocal Agreement Dated March 26, 1993, by and through their duly authorized representatives, on the respective dates below.

CITY OF PORT ORANGE

By: [Signature]
Mayor Allen Green

Attest: [Signature]
Kenneth W. Parker,
City Manager

Date: 1-17-06

TOWN OF PONCE INLET

By: [Signature]
Mayor Nancy Epps

Attest: [Signature]
Name: Kassandra Blissett
Town Manager

Date: 5/10/06

Approved as to Form and Correctness:

By: [Signature]
City Attorney 1-17-06

By: [Signature]
Town Attorney
5/12/06

**RESTATEMENT AND AMENDMENT TO SEWER SERVICES
INTERLOCAL AGREEMENT DATED MARCH 26, 1993
BETWEEN THE TOWN OF PONCE INLET, FLORIDA AND THE CITY OF
PORT ORANGE, FLORIDA**

This Restatement is entered into the date set forth hereinafter between the Town of Ponce Inlet, Florida, hereinafter the "Town" and the City of Port Orange, Florida, hereinafter the "City", and collectively referred to as the "Parties".

Whereas, Chapter 163, Part I, Florida Statutes, authorizes and provides for interlocal agreements between public agencies including cities; and

Whereas, the City of Port Orange presently own, operates and maintains a sewer system serving the Town of Ponce Inlet; and

Whereas, the Parties entered into an agreement for sewer service dated March 26, 1993, referred to as the "Agreement"; and

Whereas, the Parties deem it mutually beneficial to continue the long-term relationship for the purpose of providing uniform billing services to be provided by the Town wherein the Town will compute and bill for sewer services within the Town relating to customers connected to the City's owned sewer system referred to hereinabove, which billings are based on water usage which is billed by the Town for retail customers of the Town, thus making it both reasonable and practical for the Town to render consolidated billings for both water and sewer services with subsequent remittance of sewer service monies to the City as provided herein; and

Whereas, it continues to be in the best interest of the Town and the citizens thereof to establish the billing system as provided herein and is in the interest of the City to have such services rendered by the Town.

NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS:

1. *The foregoing premises are true and correct and are incorporated herein by reference. The purpose of this Agreement is as hereinabove expressed. This agreement shall become effective upon execution by the appropriate officials from the City and the Town by filing with the Clerk of*

the Circuit Court of Volusia County, Florida. This Agreement shall remain in effect for a period of ten (10) years from the effective date, unless terminated by one of the Parties. This Agreement may be terminated by either party upon giving thirty (30) days prior written notice to the other Party. Upon expiration of the ten (10) year term, this Agreement may continue to remain in effect on an annual basis, subject to termination as provided herein.

2. In exchange for the services to be rendered to the Town as provided herein, the City shall pay the Town an administrative fee in the following manner:

\$15,200 for the First year of the Agreement
\$16,500 for the Second year
\$17,800 for the Third year
\$19,100 for the Fourth year
\$20,400 for the Fifth year

This sum shall be payable by check issued by the City to the Town on or before the tenth day of October each year for the duration of this Agreement.

Each year thereafter, this rate shall be adjusted based on the change in the previous year's Consumer Price Index (CPI). The new rate shall be computed pursuant to the following calculation:

New rate = $[(CPI2 - CPI1) \div CPI1] + 1 \times$ current year administrative fee

"CPI" – the Consumer Price Index (1982-84=100) for the U.S. City Average – all items- all Urban Consumers- South, published by the U.S. Department of Labor, Bureau of Labor Statistics.

"CPI1" – the published CPI for the month of June of the preceding year.

"CPI2" – the published CPI for the month of June for the year in which the rate is being adjusted.

3. The Town agrees to include on its consolidated utility bill a monthly sewer charge for customers as established by the City ordinance or resolution for such sewer service usage. The City agrees to provide the Town a proper schedule of sewer fees or charges which shall be the basis for the Town calculating, billing and collecting monies due from the customers of City sewer system within the Town on a timely basis.
4. In addition to establishing, billing, and collecting customer sewer accounts and providing other general bill accounting services within the Town, the Town agrees to require connection to the sewer system and to collect sewer impact fees, from property owners, developers or builders within the Town prior to the issuance of building permits for the new construction of each new or additional or equivalent living unit according to the Town's impact fee ordinance or resolution. Such impact fees shall include the appropriate prevailing development (impact) fees established by the City for sewer connections of similar construction as established by City's ordinances and resolutions. The Town of Ponce

Inlet shall require sewer customers within the Town to pretreat industrial waste water before discharging into the sanitary sewer system and shall require sewer customers within the Town to install equipment for and to process restaurant waste water.

5. The Town will be responsible for all general bill accounting services including, but not limited to, responsibility for computer programming and computer system maintenance and all other operational and personnel requirements necessary in order to accommodate the sewer billings and sewer development (impact) fee collections. Also included in the services to be rendered by the Town will be responsibility for receiving and handling all complaints regarding billing issues from customers receiving the consolidated Town utility billings. The Town shall further be responsible for collecting all past due accounts, bad checks issued for utility bill payments, and related items. The Town shall further have the power to place liens against property served by the Town as to water and/or the City as to sewer based on non-payment for water and/or sewer services rendered to the property.
6. On or before the tenth (10th) of each month, the Town shall send a check to the City for all sewer charges for fees billed during the previous month, whether collected or not. A summary listing of the customer billing will be submitted at that time to the City by the Town.
7. On or before the tenth (10th) of each month, the Town shall send a check to the City for all development (impact) fees collected by the Town, on behalf of the City, during the previous month. A listing of all individual development (impact) fees showing the property owner's name and property address shall be submitted to the City with the check for fees collected.
8. The Town agrees to strictly enforce a policy of disconnecting customers from water service for non-payment of the consolidated utility bill which includes the portion for sewer services covered hereby. On partial payments of the consolidated utility bill by a customer, the first dollars paid would be applied to sewer payments covered hereby with the remainder then being applied to water service charges due to the Town.
9. The City shall have the right to verify meter readings and other documents of the Town in order to ensure that all billings are accurate. Any discrepancies discovered by the City shall be reconciled by the City and Town in order to ensure accurate billings, collections and payments to the City as well as collections by the Town of monies due the Town. If the City and the Town are unable to reconcile any discrepancies, the discrepancies shall be resolved by selecting a mutually agreeable arbitrator whose decision will be binding. The City and Town agree to equally share the expenses of any such arbitrator chosen.

10. The Town will submit all development plans within the Town which involve connection to the City owned sewer system to the City for review and approval prior to approval by the Town. Such development plans shall reflect sewer system design that meets City codes and standards. Final acceptance of such sewer system improvements by the Town shall be subject to inspection and approval of the sewer system improvements by the City.
11. In the event that the City enacts or amends any ordinances or resolutions affecting any of the foregoing, the City shall be obligated to communicate to the Town at least 90 days advance notice by certified mail of the proposed ordinances or resolutions. The Town agrees to implement such requirements contained therein within ninety (90) days of the notice. The Town shall be responsible for notifying sewer customers of the rate changes as required by general law. These requirements include, but are not necessarily limited to, construction requirements relating to sewer system improvements to be connected with the City system, rate changes, development (impact) fee changes, and related items.
12. The Town agrees to work with the City in establishing a system whereby messages to all sewer customers may be delivered by way of the monthly bill rendered by the Town. This may be in the form of messages to be printed on the billings themselves.
13. Any existing customer billing issues or other disputes involving communications directly between the customer and the City shall continue to be the responsibility of the City to process and resolve in coordination with the Town.
14. The City Manager of the City and the Town Manager of the Town shall coordinate the exchange of documents required hereby and the implementation of this Agreement as quickly as practical after adoption hereof by the governing bodies of the City and the Town.
15. This Agreement may be amended only by an instrument of equal formality signed by the respective Parties. Such amendment shall be effective upon execution by the appropriate officials from the City and the Town and filing with the Clerk of the Circuit Court of Volusia County, Florida.
16. All notices required to be given to either Party shall be in writing, addressed to the other Party as follows, and delivered by certified mail or in person:

Town Manager
Town of Ponce Inlet
4680 S. Peninsula Drive
Ponce Inlet, FL 32127

City Manager
City of Port Orange
1000 City Center Cir.
Port Orange, FL 32129

IN WITNESS WHEREOF, the Parties hereto have executed this Restatement and Amendment to Sewer Services Interlocal Agreement Dated March 26, 1993, by and through their duly authorized representatives, on the respective dates below.

CITY OF PORT ORANGE

TOWN OF PONCE INLET

By: *Dorothy L. Hukill*
Mayor Dorothy L. Hukill

By: *William P. Hoak*
Mayor William P. Hoak

Attest: *Kenneth W. Parker*
Kenneth W. Parker,
City Manager

Attest: *Bernard J. Murphy, Jr.*
Bernard J. Murphy, Jr.,
Town Manager

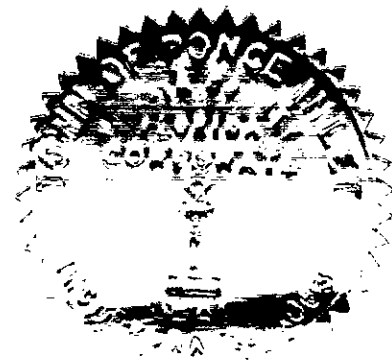
Date: 12/9/03

Date: 11/20/03

Approved as to Form and Correctness:

Margaret T. Roberts
Margaret T. Roberts, City Attorney
City of Port Orange

Audrie M. Harris
for Theodore R. Doran, Town Attorney
Town of Ponce Inlet





CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: Yes

SUBJECT: (B9) Addendum No. 9 to Quentin L. Hampton Associates, Inc. contract for site and subdivision inspection services

DEPARTMENT: Community Development

GOAL: 2 - Infrastructure

RECOMMENDED MOTION: Move to approve Addendum No. 9 to QLHA for site and subdivision inspection in the amount of \$20,800 and authorize the Mayor and City Clerk to sign and execute all contract documents.

SUMMARY: The City has an existing continuing services contract with Quentin L. Hampton Associates, Inc. (QLHA) for inspection services. Pursuant to this contract, authorizations for services are to be in the form of written Contract Addendum. Addendum 9 is specifically for site and subdivision inspections (paving, grading, drainage, landscaping and utilities). The City employs one full time construction inspector to inspect private development projects under construction. In addition to the private development projects, this individual has been tasked with the daily inspection of Riverwalk Park. Due to an increase in construction, particularly subdivision construction, and the length of time to get to the sites on both the east and west sides of the City, an additional inspector is necessary to provide coverage of all of the projects. One QLHA inspector started assisting on an as needed basis to provide backup while our construction inspector took time for training and vacation in November 2016. He is currently assisting on a more regular basis and will continue to be needed until Riverwalk Park is completed later this year. The amount for this service to date is \$9067.50 and another \$20,800 will provide 320 additional inspection hours at the established rate of \$65/hour.

Funding for supplemental backup for site and subdivision inspection is budgeted this fiscal year in the Professional Services line of the Community Development Construction and Engineering Division.

Project No.: N/A Funding Account No.: 01-1903-515.31-13

ATTACHMENTS:

1.	Addendum No 9	Addendum No. 9.pdf
2.	QLH Inspection Contract	QLHA Inspection Contract.pdf
3.	QLH Amendment No. 1	QLH+Amendment+No+1.pdf

Margaret Tomlinson	Created/Initiated - 03/30/2017
Wayne Clark	Approved - 03/30/2017
Tracey Riehm	Approved - 04/04/2017
Margaret Roberts	Approved - 04/05/2017
Jake Johansson	Approved - 04/06/2017
Robin Fenwick	Final Approval - 04/06/2017

CONTRACT ADDENDUM NO. 9
Standard Contract for Services dated October 1, 2013
Between the City of Port Orange, Florida and Quentin L. Hampton Associates, Inc.

THIS Contract Addendum is entered into by and between the **CITY OF PORT ORANGE, FLORIDA**, a chartered municipal corporation with its principal place of business at 1000 City Center Circle, Port Orange, Florida 32129 (the "City") and **QUENTIN L. HAMPTON ASSOCIATES, INC.**, a Florida corporation with its principal place of business at 4401 Eastport Parkway, Port Orange, Florida 32127 ("Contractor"), and hereinafter collectively referred to as the "Parties," and is to that certain Standard Contract for Services dated October 1, 2013, and any amendments thereto, hereinafter collectively referred to as the "Contract." The Parties, in exchange for the mutual covenants contained herein and in the Contract, agree as follows:

1. This Contract Addendum expressly modifies the Contract and in the event of a conflict, the terms and conditions of this Contract Addendum shall prevail.
2. In addition to all other terms and conditions contained in the Agreement, Contractor shall provide Construction Inspection Services, which shall include site and subdivision inspections (paving, grading, drainage, landscaping and utilities) for City wide projects.
3. In return for the services identified above, the City agrees to compensate Contractor at the unit prices set forth in the Contract subject to a limit up to but not to exceed Twenty Thousand, Eight Hundred and 00/100 Dollars (\$20,800.00). The City shall make payment on all invoices in accordance with the Local Government Prompt Payment Act, Sections 218.70 through 218.79, Florida Statutes.

IN WITNESS WHEREOF, the Parties have made and executed this Contract Addendum for the purposes herein expressed on the dates set forth below.

Witnesses:

CITY OF PORT ORANGE

Printed Name: _____ By: _____
Donald O. Burnette, Mayor

Attest:

Printed Name: _____
Robin L. Fenwick, CMC, City Clerk

Date: _____

Witnesses:

QUENTIN L. HAMPTON ASSOCIATES, INC.

Printed Name: _____ By: _____
Brad T. Blais, President

Printed Name: _____ Date: _____

[CA 3480]



CITY OF PORT ORANGE STANDARD CONTRACT FOR SERVICES

This Contract is entered effective the 1st day of October, 2013, by and between the **CITY OF PORT ORANGE**, a Florida municipal corporation, whose principal address is 1000 City Center Circle, Port Orange, Florida 32129, and the Contractor identified below for materials and/or services identified herein, on the following terms and conditions.

1. Definitions

- (a) As used in this Contract, the term "City" shall mean the City of Port Orange, Florida.
- (b) As used in this Contract, the term "Contractor" shall mean: **QUENTIN L. HAMPTON ASSOCIATES, INC.**, a Florida corporation whose principal address is 4401 Eastport Parkway, Port Orange, Florida 32127.

2. Provision of Services

(a) The Contractor hereby agrees to provide Professional Construction Inspection Services, Environmental Services, and Debris Monitoring Services to the City of Port Orange pursuant to the City's Request for Statements of Qualifications ("RFSQ") No. 12-36 as set forth in the Scope of Services and the Supplementary Conditions attached hereto as Exhibit "1."

- (b) The time, manner and place for performance of such services shall be:

Term: Notwithstanding the date of execution by the parties hereto, this Contract shall be effective for a period of five (5) years, commencing on October 1, 2013, and continuing until September 30, 2018 (the "Initial Term"), with two (2) optional one (1) year renewal(s), upon written approval by the Parties and subject to appropriation by the Port Orange City Council.

Manner and Place: As outlined in RFSQ No. 12-36 and Exhibit "1" hereto, in accordance with Standard Construction Details as required on all City owned facilities and properties (i.e. rights-of-way) and in a manner as required by all current federal, state, county, fire, building and land development codes, laws, ordinances and regulations, and with applicable permits and licenses per the City Code of Ordinances.

Time and Essence: Services shall be completed in the time set forth in the Notice to Proceed.

- (c) Authorization for Services. This Agreement standing alone does not authorize the performance of any work or services to be provided by the Contractor or require the City to place any orders for work or service. Authorization for performance of services by the Contractor under this Agreement shall be in the form of written Contract Addendum issued and executed by the City pursuant to written quotes from the Contractor. A sample Contract Addendum is attached hereto as Exhibit "2."

3. City Obligations

In return for the services identified above, the City agrees to compensate Contractor at the unit prices set forth in rates and fee schedules attached hereto as Exhibit "3." Rates may be adjusted on the anniversary of the

effective date of this Contract upon mutual written agreement of the parties. If no agreement is reached, then either party may terminate this Contract upon ninety (90) days written notice to the other party. The City shall make payment on all invoices in accordance with the Local Government Prompt Payment Act, Sections 218.70 through 218.79, Florida Statutes.

4. Termination for Convenience of the City

(a) The parties agree that the City may terminate this Contract, or any work or delivery required hereunder, from time to time either in whole or part, whenever the City Manager of Port Orange shall determine that such termination is in the best interest of the City.

(b) Termination, in whole or in part, shall be effected by delivery of a Notice of Termination signed by the City Manager or his designee, mailed or delivered to the Contractor, and specifically setting forth the effective date of termination.

(c) Upon receipt of such Notice, the Contractor shall:

- (i) cease any further deliveries or work due under this Contract, on the date, and to the extent, which may be specified in the Notice;
- (ii) place no further orders with any subcontractors except as may be necessary to perform that portion of this Contract not subject to the Notice;
- (iii) terminate all subcontracts except those made with respect to contract performance not subject to the Notice;
- (iv) settle all outstanding liabilities and claims which may arise out of such termination, with the ratification of the Finance Director of Port Orange; and
- (v) use best efforts to mitigate any damages which may be sustained by the Contractor as a consequence of termination under this clause.

(d) After complying with the provisions of subparagraph (c), above, the Contractor shall submit a termination claim, in no event later than six (6) months after the effective date of termination, unless one or more extensions of three (3) months each are granted by the Finance Director.

(e) The Finance Director, with the approval of the City Manager, shall pay from the using department's budget, reasonable costs of termination, including a reasonable amount for profit on supplies or services delivered or work completed. In no event shall this amount be greater than the original contract price, reduced by any payments made prior to Notice of Termination, and further reduced by the price of the supplies not delivered or the services not provided. This Contract shall be amended accordingly, and the Contractor shall be paid the agreed amount.

(f) In the event that the parties cannot agree on the whole amount to be paid to the Contractor by reason of termination under this clause, the Finance Director shall pay the Contractor the amounts determined as follows, without duplicating any amounts which may have already been paid under the preceding paragraph of this clause:

- (i) With respect to all Contract performance prior to the effective date of Notice of Termination, the total of:
 - (1) the cost of work performed or supplies delivered;
 - (2) the cost of settling and paying any reasonable claims as provided in paragraph (c) (iv), above;

(3) a sum as profit on (a) determined by the Finance Director to be fair and reasonable.

(ii) The total sum to be paid under (i) above shall not exceed the contract price, as further reduced by the contract price of work or supplies not terminated.

(g) In the event that the Contractor is not satisfied with any payments which the Finance Director shall determine to be due under this clause, the Contractor may appeal any claim to the City Council in accordance with Paragraph 20 of this contract concerning disputes.

5. Termination for Convenience for Subcontractors

In accordance with the termination for the convenience of the City provision of this contract, the Contractor shall include similar provisions in any subcontract, and shall specifically include a requirement that subcontractors make all reasonable efforts to mitigate damages which may be suffered. Failure to include such provisions shall bar the Contractor from any recovery from the City whatsoever of loss or damage sustained by a subcontractor as a consequence of termination for convenience.

6. Termination for Default

Either party may terminate this Contract, without further obligation, for the default of the other party or its agents or employees with respect to any agreement or provision contained herein.

7. Examination of Records

(a) The Contractor agrees that the City, or any duly authorized representative, shall, until the expiration of five (5) years after final payment hereunder, have access to and the right to examine and copy any pertinent books, documents, papers and records of the Contractor involving transactions related to this Contract.

(b) The Contractor further agrees to include in any subcontract for more than \$10,000 entered into as a result of this Contract, a provision to the effect that the subcontractor agrees that the City or any duly authorized representative shall, until the expiration of five (5) years after final payment under the subcontract, have access to and the right to examine and copy any pertinent books, documents, papers and records of such contractor involved in transactions related to such subcontract, or this Contract. The term subcontract as used herein shall exclude purchase orders for public utility services at rates established for uniform applicability to the general public.

(c) The period of access provided in subparagraphs (a) and (b) above for records, books, documents and papers which may relate to any arbitration, litigation, or the settlement of claims arising out of the performance of this contract or any subcontract shall continue until any appeals, arbitration, litigation or claims shall have been finally disposed of.

8. Public Records Law

Contractor shall comply with public records laws as set forth in Chapter 119, Florida Statutes, and shall specifically:

(a) Keep and maintain public records that ordinarily and necessarily would be required by the City in order to perform the service.

(b) Provide the public with access to public records on the same terms and conditions that the City would provide the records and at a cost that does not exceed the cost provided in Section 119, Florida Statutes, or as otherwise provided by law.

(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.

(d) Meet all requirements for retaining public records and transfer to the City, at no cost, all public records in possession of the Contractor upon termination of the Contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the City in a format that is compatible with the information technology systems of the City.

If Contractor does not comply with a public records request, the City shall enforce the contract provisions in accordance with the contract.

9. Termination for Non-Appropriation of Funds

(a) If funds are not appropriated for any succeeding fiscal years subsequent to the one in which this contract is entered into, for the purpose of this Contract, then the City may terminate this Contract upon thirty (30) days prior written notice to the Contractor. Should termination be accomplished in accordance with this Section, the City shall be liable only for payments due through the date of termination.

(b) The City agrees that should it terminate in accordance with this Section, it shall not obtain services which are substantially equal to or similar to those for which this contract was entered into. This provision shall survive any termination of the Contract.

10. Insurance

The Contractor shall maintain insurance during the life of this agreement, and the City of Port Orange shall be listed as additional insured on that insurance document. A waiver of subrogation must be added in all areas and shall suffice in lieu of additional insured on workers' compensation, in an amount and a form set forth herein, to insure against risks, which are identified herein. Insurance providers must be rated "A" or better according to the A.M. Best Company.

Insurance	Standards	Comments
Workers' Compensation <u>Limits:</u> <u>Additional Coverage:</u> <u>Special Conditions:</u>	Coverage A - Statutory Coverage B - \$100,000 All States (Broad Form) Voluntary Compensation 30 days' notice of cancellation to Governmental Entity, Waiver of subrogation in lieu of additional insured will suffice.	If the contract requires work on or about navigable waters, require Longshoreman's and Harbor Workers' Coverage. If vessels involved, require Jones Act coverage with limits of \$500,000.
Comprehensive General Liability (including Completed Operations and Contractual Liability) <u>Limits:</u> <u>Special Conditions:</u>	Combined Single Limit Bodily Injury and Property damage \$500,000 occurrence \$1,000,000. Aggregate 30 day notice to Governmental Entity, Additional Insured, City to be added as Additional Insured	When the Contract work on or under Railroad rights of way or properties, the Contractor shall take out and maintain during the life of the Contract, Railroad protective liability and property damage insurance in amounts as requested by the Railroad.

Comprehensive Business, Automobile Liability to include all automobiles.	<u>Limits:</u>	Auto Liability Body Injury: \$100,000 each person \$300,000 each occurrence. Property Damage Liability \$100,000 each occurrence.	Or \$500,000 Combined Single Limit for Bodily Injury and Property Damage
<u>Additional Coverage:</u>		Non-Owned, Hired Car	
<u>Special Conditions:</u>		30 days' notice of cancellation to Governmental Entity.	
Property Insurance Builders Risk.	<u>Limits:</u>	Buildings - Completed value of contract.	If the Contract requires handling or installation of Owner's equipment, coverage should be furnished on "All Risk" form, including transit and Owner shall be named.
<u>Additional Coverage:</u>		"All Risk" coverage on latest ISO form or its equivalent. Permission granted to occupy. Owner named as insured AIMA	
<u>Special Conditions:</u>		30 days' notice of cancellation to Owner, Additional insured.	
Professional Liability (Errors & Omissions)	<u>Limits:</u>	Coverage- \$1,000,000 minimum	
<u>Special Conditions:</u>		30 days' notice of cancellation to Owner, Additional insured.	

Policies other than Workers' Compensation shall be issued only by companies authorized by subsisting certificates of authority issued to the companies by the Department of Insurance of the State of Florida to conduct business in the State of Florida and which maintain a rating of "A" or better according to the A.M. Best Company. Policies for Workers' Compensation may be issued by companies authorized as a group self-insurer by F.S. 440.572. Contractor shall not commence work under this Agreement until the City has received a certificate or certificates of insurance and endorsement evidencing the required insurance.

11. Assignability of Contract

Neither this contract, nor any part hereof, may be assigned by the Contractor to any other party without the express written approval of the City Council.

12. Modifications or Changes to this Contract

(a) Change Orders. The Finance Director, with the concurrence of the City's signatory to this Contract, shall without notice to any sureties, have the authority to order changes in this Contract which affect the cost or time of performance. Such changes shall be ordered in writing specifically designated to be a change order. Such orders shall be limited to reasonable changes in the services to be performed or the time of the performance; provided that no Contractor shall be excused from performance under the changed contract by failure to agree to such changes, and it is the express purpose of this provision to permit unilateral changes in the Contract subject to the conditions and limitations herein.

(b) If any change under this clause causes an increase or decrease in Contractor's cost of, or time required for the performance of the work hereunder, Contractor shall receive an equitable adjustment in accordance with subparagraph (d), which shall include all compensation to the Contractor, or the City, of any kind in connection with such change, including all costs and damages related to or incidental to such change. Failure to agree to any adjustment shall not excuse Contractor from proceeding with the contract as changed.

(c) Contractor need not perform any work described in any change order unless it has received a certification from the City that there are funds budgeted and appropriated sufficient to cover the cost of such changes.

(d) Contractor shall make a demand for payment for changed work within thirty (30) days of receipt of a change order, unless such time period is extended in writing, or unless the Finance Director requires submission of a cost proposal prior to the initiation of any changed work or supplies. Later notification shall not bar the honoring of such claim or demand unless the City is prejudiced by such delay.

(e) No claim for changes ordered hereunder shall be considered if made after final payment in accordance with the Contract.

13. Contract Administration--Delegation of Authority.

The City Manager will perform contract administration of this Contract. For notice provisions, see the paragraph below entitled "Notice."

14. Liability for Loss or Damage

Contractor shall be liable for any loss of, or damage to, City property caused by the negligence, recklessness, or intended wrongful misconduct of Contractor, his/its agents, servants and employees and shall indemnify and save the City harmless against all actions, proceedings, claims, demands, costs, damages and expenses, including attorney's fees, by reason of any suit or action brought for any actual or alleged injury to or death of any person or damage to property other than City property, resulting from the performance of the Contract by Contractor, his/its agents, servants and employees. Contractor shall submit a full written report to the Finance Director within twenty-four (24) hours following the occurrence of such damage, loss or injury.

15. Non-discrimination

During the performance of this Contract, Contractor agrees as follows:

(a) Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, disability, marital status, age or national origin, except where such is a bona-fide occupational qualification reasonably necessary to the normal operation of Contractor. Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause. Contractor agrees and fully supports and complies with the Americans with Disabilities Act of 1990.

(b) Contractor shall state in all solicitations or advertisements for employees placed by or on behalf of Contractor that Contractor is an equal opportunity employer.

(c) Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient compliance with this provision. Contractor shall include the provisions of the foregoing subparagraphs (a), (b), and (c) in every subcontract or purchase order of over \$10,000 so that the provisions will be binding upon each subcontractor or vendor.

16. Disputes

The Finance Director, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to Contractor, shall decide disputes with respect to this Contract in the first instance. The decision shall be final and binding unless, within thirty-(30) days from the date of such decision, Contractor mails or otherwise furnishes to the Finance Director a written appeal addressed to the City Manager. The decision by the City Manager shall be final and binding unless, within ten (10) days from the date of receipt of the decision of the City Manager, appeal is made to the City Council. The decision of the City Council shall be final and binding unless set aside by a court of competent jurisdiction as fraudulent, capricious, arbitrary, or so grossly erroneous as necessary to imply bad faith, or not to be supported by any evidence. Pending a final determination of a properly appealed decision of the Finance Director, Contractor shall proceed diligently with the performance of this Contract in accordance with that decision.

17. Controlling Law

THIS AGREEMENT CONTAINS IMPORTANT MATTERS AFFECTING LEGAL RIGHTS AND IS ACCEPTED AND ENTERED INTO IN FLORIDA AND ANY QUESTION REGARDING ITS VALIDITY, CONSTRUCTION, ENFORCEMENT, OR PERFORMANCE SHALL BE GOVERNED BY FLORIDA LAW. ANY LEGAL PROCEEDING ARISING FROM OR IN ANY WAY REGARDING THE AGREEMENT SHALL HAVE ITS VENUE LOCATED EXCLUSIVELY IN THE CIRCUIT COURT OF VOLUSIA COUNTY, FLORIDA, AND THE PARTIES HEREBY EXPRESSLY CONSENT AND SUBMIT THEMSELVES TO THE PERSONAL JURISDICTION AND VENUE OF THE COURT.

18. Additional Provisions

As may have been outlined in RFSQ No. 12-36 and any attachments or exhibits to this Contract whether delivered herewith or subsequently approved as a part hereof, such as drawings or technical specifications prepared in the performance of this work, and rates as negotiated after the execution of this Contract.

19. Integration

This Contract and the documents incorporated herein by reference shall constitute the whole agreement between the parties. There are no promises, terms, conditions, or obligations other than those contained herein, and this Contract shall supersede all previous communications, representations, or agreements, written or verbal, between the parties hereto.

20. Notice

For purposes of this agreement, notices shall be sent as follows:

City: City of Port Orange
Attention: Gregory A. Kisela, City Manager
1000 City Center Circle
Port Orange, Florida 32129
(386) 506-5501

Contractor: Quentin L. Hampton Associates, Inc.
Attention: Brad T. Blais, President
4401 Eastport Parkway
Port Orange, Florida 32127
(386) 761-6810
bblais@qlha.com

21. Contract Construction

This Agreement may be executed in one or more counterparts, each of which shall be deemed to be an original but all of which together shall constitute one and the same instrument. The delivery by facsimile or e-mail of an executed copy of this Agreement shall be deemed valid as if an original signature was delivered. No contract shall be formed between Contractor and the City until the City signs this Agreement.

22. Each person signing this Agreement warrants that he or she is duly authorized to do so and to bind the respective party to the Agreement.

[remainder of page intentionally left blank]

Witnesses:

CITY OF PORT ORANGE

Barbara J. Abbate

Printed Name: Barbara J. Abbate

By:

Allen Green

Allen Green, Mayor

Attest:

Theresa Gutierrez

Printed Name: Theresa Gutierrez

Robin L. Fenwick

Robin L. Fenwick, CMC, City Clerk

Date:

Oct. 15, 2013

STATE OF FLORIDA
COUNTY OF VOLUSIA

The foregoing instrument was acknowledged before me this 15 day of Oct., 2013, by Allen Green and Robin L. Fenwick, as Mayor and City Clerk, respectively, of the City of Port Orange, a Florida municipal corporation, on behalf of the city, and who are personally known to me.

Theresa Gutierrez

Notary Public, State of Florida
Printed, typed or stamped name, commission and expiration:



Witnesses:

QUENTIN L. HAMPTON ASSOCIATES, INC.

Erika Lustik

Printed Name: Erika Lustik

By: *[Signature]*

Brad T. Blais, President

B P Hoffman

Printed Name: Anna P. Hoffman

Date: 10/11/13

STATE OF FLORIDA
COUNTY OF VOLUSIA

The foregoing instrument was acknowledged before me this 11 day of October, 2013, by Brad T. Blais, as President of Quentin L. Hampton Associates, Inc., a Florida corporation, and who:

[Notary: Please select one]

☒ is personally known to me; or

☐ has produced _____ as identification.

Kim McColl

Notary Public, State of Florida

Printed, typed or stamped name, commission and expiration:

NOTARY PUBLIC-STATE OF FLORIDA
Kim McColl
Commission # EE072972
Expires: MAR. 13, 2015
BONDED THRU ATLANTIC BONDING CO., INC.

EXHIBIT "1"

SCOPE OF SERVICES

The Scope of Services for this contract is to provide Construction Inspection, Plans Examination, Environmental Services and Debris Monitoring Services, including but not limited to the following:

SECTION I: Construction Inspection Services:

A. Field Inspection

1. Site Work

Provide up to 2,000 hours (one inspector up to 40 hours/week) per year, plus up to 100 hours of weekend inspections, for Construction Inspection Services. Working under the direction of the Director of Community Development or designee, inspectors shall monitor the installation of improvements in Subdivisions and Site Developments to ensure compliance with all applicable Codes, Standards (including potable water, reclaimed water, sanitary sewer, roadways, parking lots, drainage systems, landscape and irrigation) and safety regulations.

2. Buildings

Provide building, mechanical, electrical and plumbing inspection and related plans examination services on an as needed basis.

Inspectors are expected to provide daily inspections with written logs for each assigned project, attend Pre-Construction Meetings, Final Inspections, and attend quarterly progress meetings with City staff. Inspectors are required to interact with Contractors, Engineers, Community Development, Public Utilities, and Public Works Personnel to ensure that scheduling of development connections to City services (water, sewer, storm-water, reclaim) are scheduled in a timely manner. Inspectors will be responsible for relaying information involving minor field changes to the Community Development Director or designee or Building Official or Public Utility Engineer and the Design Engineer for the assigned project. Inspectors are expected to have knowledge, experience and/or training in construction means, methods, materials and safety regulations. At a minimum each inspector shall hold one or more current certifications: National Utility Contractors Association, Excavation Safety & Competent Person Training Program, OSHA certified Confined Space Entry, FDOT, Work Zone Traffic Control Courses.

B. Supplementary Services

Additional services may be required but not limited to:

1. Review engineering plans to assist in assuring compliance with City requirements
2. Provide recommendations regarding suitability of work performed by Contractors.
3. Provide expert witness testimony and assist in preparation for litigation or arbitration.

SECTION II: Environmental Services:

1. Environmental Site Assessments (ESA)

Consultant/Sub consultant shall have the knowledge and ability to perform Phase I ESA in accordance with American Society for Testing and Materials (ASTM), E-1527-05, "Standard Practice for Environmental Site Assessment Process" and perform Phase II ESA should testing be recommended to verify the presence of potential contamination. Additional tasks may include preparation of Contamination Assessment Plans (CAP), Site Assessment Reports (SAR), Remedial Action Plans (RAP) or Natural Attenuation Monitoring Only Plans (NAMOP)

2. Asbestos Consulting

The Consultant/Sub consultant may be required to provide on-call asbestos identification services to support real estate property acquisition, demolition and/or rehabilitation. Inspections must be conducted by a State of Florida asbestos contractor licensed with the Florida Department of Business and Professional Regulation in accordance with Chapter 469, Florida Statutes. Asbestos abatement services for asbestos-containing materials (ACMs) as identified on an Asbestos Inspection Report shall be performed by personnel accredited in accordance with 40 CFR

763, Subpart E, Appendix C. All removal, containment, transportation and disposition of identified ACM shall be in accordance with all applicable laws and regulations, including 40 CFR Part 61, Subpart A & M prior to demolition. Air Monitoring project oversight during abatement shall be provided by a State Licensed project manager who is certified (NIOSH 582) to provide project oversight and air monitoring throughout all preparatory, abatement, cleaning and final clearance activities. All activities during abatement phase shall be documented in a final report that shall include project submittals, notifications to governing agencies, daily reports, and daily air monitoring results, final air results, photographs, etc. Three (3) copies of the final report documentation are to be submitted to the City. The contractor shall submit a statement certifying work was completed in accordance with local, state and federal regulations and that all identified ACM has been properly removed and disposed.

3. Threatened and Endangered (T&E) Species Surveys

The Consultant/Sub consultant shall have staff with the experience and ability to perform T&E surveys of sites to determine the presence of species identified on the state and federal lists as threatened or endangered to include gopher tortoises. In addition, the Consultant/Sub consultant shall have knowledge and ability to recommend to the City the probable impacts to the site caused by the identified species and recommend avoidance, minimization and/or mitigation measures where appropriate. The Consultant/Sub consultant would also be expected to assist City staff in obtaining environmental permits if required.

SECTION III: Debris Monitoring Services:

1. Debris monitoring services

Provide debris monitoring services on as as-needed basis, per chapter II, FEMA-325/July 2007, public assistance debris management guide.

SUPPLEMENTARY CONDITIONS

1. Inspectors are to report to Community Development Engineering on a regular basis. A time for daily/weekly face to face meetings will be coordinated with each inspector.
2. Invoices are to be submitted on a monthly basis on the same week of every month.
3. Inspectors shall be assigned projects by Community Development Engineering. Inspection time will be based on project needs and budgeted based on project duration and the site inspection fee collected. CD Engineering staff will tabulate the inspection budget prior to assignment of the project. The budgeted amount of time and the time expended will be tracked for each project on the monthly invoice.
4. Miscellaneous inspections that fall outside of an assigned project will be tracked on the monthly invoice and identified with the City department requesting the service (i.e. Misc. Comm. Dev., Misc. Public Utilities, Misc. Public Works, etc...). Miscellaneous inspections shall be authorized by CD Engineering prior to providing the service. In the event there is an emergency inspection request from a City department other than Community Development, the inspector should report this to CD Engineering as soon as possible and no more than 24 hours after the inspection.
5. Inspectors shall have safety gear and have safety strobes/devices on their vehicles. Safety vests shall be worn and vehicle safety devices activated whenever working within the right-of-way.
6. Inspectors shall have use of a laptop or mobile device capable of viewing FDOT index standards and other regulations from the internet.
7. Daily Inspection reports shall include a check of erosion control and other storm water pollution prevention requirements.
8. Inspection reports shall be submitted electronically the following working day after the inspection.
9. A Proactive Illicit Discharge/Illegal Connection Inspection Form shall be prepared for all active construction sites after a rainfall event of .5 inches or more.

EXHIBIT "2"

CONTRACT ADDENDUM NO. ____
Standard Contract for Services dated October 1, 2013
Between the City of Port Orange, Florida and Quentin L. Hampton Associates, Inc.

THIS Contract Addendum is entered into by and between the **CITY OF PORT ORANGE, FLORIDA**, a chartered municipal corporation with its principal place of business at 1000 City Center Circle, Port Orange, Florida 32129 (the "City") and **QUENTIN L. HAMPTON ASSOCIATES, INC.**, a Florida corporation with its principal place of business at 4401 Eastport Parkway, Port Orange, Florida 32127 ("Contractor"), and hereinafter collectively referred to as the "Parties," and is to that certain Standard Contract for Services dated October 1, 2013, and any amendments thereto, hereinafter collectively referred to as the "Contract." The Parties, in exchange for the mutual covenants contained herein and in the Contract, agree as follows:

1. This Contract Addendum expressly modifies the Contract and in the event of a conflict, the terms and conditions of this Contract Addendum shall prevail.
2. In addition to all other terms and conditions contained in the Contract, Contractor shall provide services relating to _____ as more particularly described in the Scope of Services attached hereto and incorporated herein as Contract Addendum Exhibit "A."
3. In return for the services identified above, the City agrees to compensate Contractor at the unit prices set forth Exhibit "A" subject to a limit up to but not to exceed \$_____. The City shall make payment on all invoices in accordance with the Local Government Prompt Payment Act, Sections 218.70 through 218.79, Florida Statutes.
4. Contractor shall complete the services to be provided herein within _____ days of the date of written notice by the City to the Contractor.

IN WITNESS WHEREOF, the Parties have made and executed this Contract Addendum for the purposes herein expressed on the dates set forth below.

Witnesses:

CITY OF PORT ORANGE

Printed Name: _____

By: _____
Allen Green, Mayor

Attest:

Printed Name: _____

Robin L. Fenwick, CMC, City Clerk

Date: _____

Witnesses:

QUENTIN L. HAMPTON ASSOCIATES, INC.

Printed Name: _____

By: _____
Printed Name: _____
Title: _____

Printed Name: _____

Date: _____

EXHIBIT "3"

QUENTIN L. HAMPTON ASSOCIATES, INC.
PREFERRED RATES AND FEES SCHEDULE – SITE INSPECTION
(REVISED APRIL 2013)

HOURLY RATES

Expert Witness	\$250.00
Principal.....	\$175.00
Project Manager	\$175.00
Professional Engineer.....	\$140.00
Chief Building Official.....	\$80.00
Fire Safety Inspector/Fire Systems Plan Review	\$80.00
Production Supervisor	\$75.00
Engineering Analyst.....	\$75.00
GIS Technician.....	\$75.00
Construction Services Supervisor	\$70.00
CADD Technician.....	\$70.00
Building Plans Examiner.....	\$70.00
Construction Project Representative (Inspector).....	\$60.00
Grant/Funding Coordinator/Federal Grant Compliance Specialist	\$60.00
Building Inspector	\$60.00
Federal Grant Compliance Specialist.....	\$60.00
Sr. Administration Supervisor.....	\$60.00
Administration Support	\$50.00
Subsurface Utility Exploration (SUE).....	Rates TBD

REIMBURSABLE EXPENSES:

Printing and other direct costs – Actual cost

Sub-Consultant Services – Actual cost plus 10% administration fee

Sales Tax – Actual cost if/when sales tax is applicable

Mileage (*if outside Volusia County or if otherwise travel extensive*) – current IRS mileage rate allowance

SCHEDULE NOTES:

1. Schedule shall be subject to annual adjustments
2. Rates do not include sales tax
3. Inspector rates include travel



G&S Good Environmental, Inc.

Consultants for Phase I & II Environmental Site Assessments • Soil & Groundwater Testing
Tank Closure • Asbestos Surveys • Indoor Air Quality • Contamination Assessments

G&S Good Environmental Rate Sheet

January 10, 2013

Field Technician	\$65.00 per/hour
CADD Draftsman	\$65.00 per/hour
Project Geologist	\$ 85.00 per/hour
Professional Geologist	\$125.00 per/hour
Technical Secretary	\$35.00 per/hour
Submersible Pump Rental	\$165.00 per/day
OVA Rental	\$125.00 per/day
YSI Multi-meter	\$50.00 per/day
Core Machine Rental	\$50.00 per/day
Phase I ESA	\$1,800.00 lump sum



BIOLOGICAL CONSULTING SERVICES, INC.

FEE SCHEDULE Effective January 2010

PRINCIPAL - ESTUARINE / FIELD BIOLOGIST	\$116.00 / HOUR
SENIOR FIELD BIOLOGIST	\$80.00 / HOUR
FIELD BIOLOGIST	\$75.00 / HOUR
BIOLOGICAL TECHNICIAN	\$60.00 / HOUR
COMPUTER AIDED DRAFTING SPECIALIST	\$75.00 / HOUR
CLERICAL	\$50.00 / HOUR
COURIER	\$25.00 / HOUR
PER DIEM (FOOD, LODGING)	ACTUAL COST
MILEAGE (current Federal allowance)	ACTUAL COST

rate schedule

 Thompson Consulting Services (Thompson) is pleased to provide the following rate schedule for disaster response and recovery services to the City of Port Orange, Florida (City). Thompson's experience with post-disaster management, monitoring and grant administration services spans three decades and accounts for the administration of more than \$2.25 billion in Federal Emergency Management Agency (FEMA) Public Assistance (PA) Program funding.

Table 1: Disaster Debris Monitoring Services

Positions	Hourly Rates
Project Manager	\$69.00
Operations Managers	\$56.00
GIS Analyst	\$56.00
Environmental Specialist	\$56.00
Field Supervisors	\$49.00
Data Manager	\$55.00
Debris Site/Tower Monitors	\$31.50
Crew Monitors	\$31.50
Load Ticket Data Entry Clerks (QA/QC)	\$28.00
Project Coordinators	\$28.00

AMENDMENT NO. 1

THIS AMENDMENT NO. 1 ("Agreement") is made and entered into the day and year set forth hereinafter by and between the **CITY OF PORT ORANGE, FLORIDA**, a Florida municipal corporation located at 1000 City Center Circle, Port Orange, Volusia County, Florida 32129 (the "City"), and **QUENTIN L. HAMPTON ASSOCIATES, INC.** ("Contractor"), a Florida corporation whose principal address is 4401 Eastport Parkway, Port Orange, Florida 32127 (collectively "the Parties").

WHEREAS, on the 1st day of October, 2013, the Parties entered into a Standard Contract for Services pursuant to Request for Statement of Qualifications No. 12-36 for Professional Construction Inspection Services, which provides for term commencing on October 1, 2013 and continuing until September 30, 2018, with two (2) optional one (1) year renewal(s), upon written approval by the Parties and subject to appropriation by the Port Orange City Council; and

WHEREAS, the Contract provides for Contractor rate adjustment on the anniversary of the effective date of the Contract upon mutual agreement of the Parties; and

WHEREAS, the Parties desire to adjust the rates for professional construction inspection services; and

WHEREAS, the Parties desire to amend the Contract to provide for updated public records compliance pursuant to Florida Statute; and

WHEREAS, the Port Orange City Manager has determined that the execution of this Contract is beneficial to the citizens of the City of Port Orange.

NOW, THEREFORE, the Parties, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, agree as follows:

1. **City Obligations.** The rates for professional construction inspection services is hereby amended as set forth in the Quentin L. Hampton Associates, Inc. Hourly Rate and Fee Schedule attached hereto as Exhibit "1." Notwithstanding the date of execution, this Agreement shall be effective commencing October 1, 2016.

2. **Public Records Compliance.** Contractor shall comply with public records laws as set forth in Chapter 119, Florida Statutes, and shall specifically:

- (a) Keep and maintain public records required by the City to perform the service.
- (b) Upon request from the City's custodian of public records, provide the City with a copy of the requested record or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Section 119, Florida Statutes, or as otherwise provided by law.
- (c) Ensure that public records that are exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Contract term and following completion of the Contract if the Contractor does not transfer the records to the City.
- (d) Upon completion of the Contract, Contractor shall transfer to the City, at no cost, all public records in possession of the Contractor and destroy any duplicate public records that are exempt from public records disclosure requirements. All records stored electronically must be provided to the City, upon request

from the City's custodian of public records, in a format that is compatible with the information technology systems of the City.

If Contractor does not comply with a public records request, the City shall deem the non-compliance a breach of this Contract, and the Contractor may be subject to penalties under Section 119.10, Florida Statutes.

CONTRACTOR QUESTIONS RELATING TO CONTRACTOR'S DUTIES TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT MUST BE FORWARDED TO THE OFFICE OF THE CITY CLERK, CITY HALL, 1000 CITY CENTER CIRCLE, PORT ORANGE, FLORIDA 32129 TELEPHONE: (386) 506-5563 E-MAIL: CITYCLERK@PORT-ORANGE.ORG

3. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed to be an original but all of which together shall constitute one and the same instrument. The delivery by facsimile or e-mail of an executed copy of this Agreement shall be deemed valid as if an original signature was delivered. No contract shall be formed between Contractor and the City until the City signs this Agreement.

4. All other terms and conditions of the Contract shall remain in full force and effect.

IN WITNESS WHEREOF, the Parties hereto have signed, sealed, and delivered this Agreement on the day and year stated hereinafter.

Witnesses:


Printed Name: MARCIA TURNER


Printed Name: Bernadette Fox

QUENTIN L. HAMPTON ASSOCIATES, INC.

By: 
Brad T. Blais, President

If this Contract is signed by an individual not identified as the President of the corporation in the records of the Florida Department of State, Division of Corporations, please provide written authorization for that individual to enter into contracts on behalf of the corporation.

Date: 12/6/16

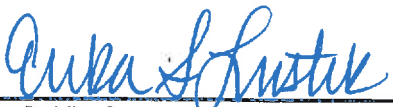
STATE OF FLORIDA
COUNTY OF VOLUSIA

The foregoing instrument was acknowledged before me this 6th day of December, 2016, by Brad T. Blais, as President of Quentin L. Hampton Associates, Inc., a Florida corporation, and who:

[Notary: Please select one]

☒ is personally known to me; or
☐ has produced _____ as identification.




Notary Public, State of Florida
Printed, typed or stamped name, commission
and expiration:

Witnesses:

CITY OF PORT ORANGE

Cynthia K Rivera
Printed Name: Cynthia K. Rivera

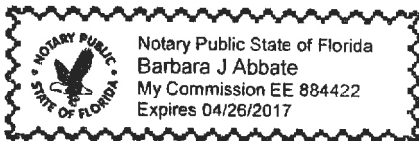
By: M.H.
M.H. Johansson, City Manager

Barbara J Abbate
Printed Name: Barbara J. Abbate

Date: 12/14/16

STATE OF FLORIDA
COUNTY OF VOLUSIA

The foregoing instrument was acknowledged before me this 14 day of Dec., 2016, by M.H. Johansson, as City Manager of the City of Port Orange, a Florida municipal corporation, on behalf of the City, and who is personally known to me.



Barbara J Abbate
Notary Public, State of Florida
Printed, typed or stamped name, commission and expiration:

Witnesses:

ATTEST:

Barbara J Abbate
Printed Name: Barbara J. Abbate

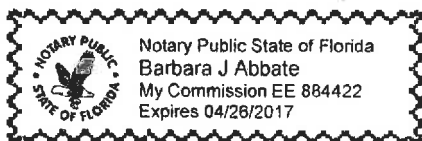
By: Robin L Fenwick
Robin L. Fenwick, CMC, City Clerk

Kelly McQuillen
Printed Name: Kelly McQuillen

Date: 12/14/16

STATE OF FLORIDA
COUNTY OF VOLUSIA

The foregoing instrument was acknowledged before me this 14 day of Dec., 2016, by Robin L. Fenwick, as City Clerk of the City of Port Orange, a Florida municipal corporation, on behalf of the City, and who is personally known to me.



Barbara J Abbate
Notary Public, State of Florida
Printed, typed or stamped name, commission and expiration:

QUENTIN L. HAMPTON ASSOCIATES, INC.
HOURLY RATE AND FEE SCHEDULE
(Revised October 2016)

Position	Rate
Expert Witness.....	\$250
Principal.....	\$175
Project Manager.....	\$175
Professional Engineer.....	\$140
Engineering Intern.....	\$100
Construction Services Supervisor.....	\$85
Production Supervisor.....	\$80
GIS Technician.....	\$75
CADD Technician.....	\$75
Grant/Funding Coordinator.....	\$70
Federal Grant Compliance Specialist.....	\$70
Construction Project Representative (Inspector).....	\$65
Sr. Administrative Supervisor.....	\$60
Administration Support.....	\$55

Construction Engineering and Inspection (CEI) Services

Senior Project Engineer.....	\$175
Project Administrator/Project Engineer.....	\$140
Assistant Project Administrator/Project Engineer.....	\$100
Senior Inspector/Senior Engineer.....	\$85
Utility Coordinator.....	\$85
Senior Inspection Building Structures.....	\$85
Resident Compliance Specialist.....	\$70
Inspector/Engineer Intern.....	\$65
Asphalt Plant Inspector.....	\$65
Public Information Officer.....	\$65
Building Inspector/Electrical.....	\$65
Contract Support Specialist.....	\$65
Associate Contract Support Specialist.....	\$55
Inspector's Aide.....	\$55
Secretary/Clerk Typist.....	\$55

Subsurface Utility Engineering (SUE) Services

Project Manager.....	\$140
Project Coordinator.....	\$70
Field Technician.....	\$65
Administrative Support.....	\$50
Vacuum Excavator.....	\$600/day
Ground Penetrating Radar (GPR).....	\$150/day
Truck.....	\$300/day

EXHIBIT "1"

Building Code Services

Chief Building Official	\$85
Fire Safety Inspector/Fire Systems Plan Review	\$80
Building Plans Examiner	\$75
Building Inspector.....	\$65

Reimbursable Expenses:

<u>Item</u>	<u>Fee</u>
Printing /Reproduction/Graphics	Actual Cost
Sub-Consultant Services	Actual Cost
SUE Field/Marking/Restoration Supplies	Actual Cost
Travel	Actual Cost
Sales Tax	Actual cost if/when sales tax is applicable

Schedule Notes:

1. Schedule shall be subject to annual adjustments
2. Reimbursables subject to a 10% administrative fee, if allowed or as otherwise specified in Contract.
3. Rates are hourly rates unless otherwise noted.

EXHIBIT "1"



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: No

SUBJECT: (B10) Subordination of SHIP Down Payment Assistance Second Mortgage - Lonitz

DEPARTMENT: City Attorney

GOAL:

RECOMMENDED MOTION: Move to approve the payment of closing costs up to \$5,682.00 from the loan proceeds; and

Move to approve the attached Subordination Agreement and authorizing the Mayor and City Clerk to execute the Subordination Agreement for the new first mortgage not to exceed \$89,480.00.

SUMMARY: The purpose of the subordination request is to reduce the monthly principal and interest payments on the home located at 4540 Spruce Creek Road, Port Orange, FL 32127 (Applicant: Ricky D. Lonitz, Jr. and Natasha Lonitz).

On May 21, 2008, the owners executed a first mortgage in the amount of \$88,00 with Bank of America and the City of Port Orange issued a second mortgage and note in the amount of \$60,000 with Ricky D. Lonitz and Natasha Lonitz to assist in the purchase of a home located at 4540 Spruce Creek Road.

The City of Port Orange's down payment assistance is a deferred loan and encumbers the homeowner's property as a second mortgage.

Ricky D. Lonitz and Natasha Lonitz has requested that the City subordinate its second mortgage in favor of a new first mortgage provided by Quicken Loans. This proposed new mortgage reduces the term to 20 years and slightly lowers the current interest rate on the first mortgage from 4.515% to 4.500%. This decrease in interest rate provides a monthly savings in the amount of the mortgage payment.

The refinancing has been structured to include closing costs not to exceed \$5,682.00; the standard Subordination Agreement on Page 2 as shown in highlights clearly prohibits the use of refinancing proceeds for the closing costs. See comparison letter attached for the details. The City Attorney is requesting City Council's direction on this matter as set forth in the proposed motions.

Project No.: Funding Account No.:

ATTACHMENTS:

1.	Comparison Letter	Comparison Letter.pdf
2.	Subordination Agreement	Subordination Agreement - Lonitz.pdf

Tracy London	Created/Initiated - 03/28/2017
Margaret Roberts	Approved - 04/06/2017
Tracey Riehm	Approved - 04/06/2017
Jake Johansson	Approved - 04/06/2017
Robin Fenwick	Final Approval - 04/07/2017



Quicken Loans Reference # 3375393329

Client: Lonitz Jr, Ricky

Anticipated Closing Date: 04/11/17

Comparison Letter

	Current	Proposed
Amount	Orig Mtg Amt \$88,000.00 Unpaid Balance \$83,798.78	\$89,480.00
Rate	4.515%	4.500%
Term	40 Yrs.	20 Yrs.
Payment (P&I Only)	\$655.00	\$566.10

Return Recorded Document to:
Attention: Records Clerk
1000 City Center Circle
Port Orange FL 32129

This Document Prepared by:

Margaret T. Roberts, City Attorney
City of Port Orange
1000 City Center Circle
Port Orange, FL 32129

This Space Reserved for Recording Data

SUBORDINATION OF MORTGAGE AGREEMENT

This subordination agreement is made this ____ day of _____, 2017, between **Quicken Loans, Inc.**, its successors and/or assigns ("Lender"), and the **City of Port Orange**, a chartered municipal corporation located at 1000 City Center Circle, Port Orange, Florida 32129 ("Mortgagee").

Mortgagee is present legal holder and owner of that certain second mortgage, dated May 21, 2008 in the amount of Sixty Thousand and 00/100 dollars (\$60,000.00), executed by Ricky D, Lonitz, Jr. and Natasha Lonitz ("Owner"), in favor of the Mortgagee, recorded on August 22, 2008, in Official Record Book 6268, Page 1849 of the Public Records of Volusia County, Florida, concerning the real property located in the County of Volusia, State of Florida described below:

Legal Description

The Northerly 100 feet of the Southerly 143 feet of Lot 12, Unit #3, Allandale Gardens, according to the map or plat thereof as recorded in Plat Book 9, Page 194, Public Records of Volusia County, Florida.

Parcel ID: 6310-13-03-0120
Street Address: 4540 Spruce Creek Road, Port Orange, FL 32127

Owner desires to refinance that certain mortgage and note held by Bank of America, N. A., dated May 21, 2008, executed by Owner, in favor of Bank of America, recorded on June 6, 2008, in Official Record Book 6240, Page 971 of the Public Records of Volusia County, Florida, securing

payment in the amount of Eighty Eight Thousand and 00/100 dollars (\$88,000.00), by a new mortgage and note in favor of Lender dated on or before May 31, 2017 in the principal amount of Eighty Nine Thousand Four Hundred Eighty and 00/100 dollars (\$89,480.00) with interest from the date thereof on unpaid principal at the rate of 4.500% per annum, payable in monthly installments and continuing for a period of twenty years.

Mortgagee recognizes that Lender will not close on its mortgage loan and disburse the proceeds thereof unless the existing second mortgage is subordinated in priority to the Lender mortgage.

This Subordination Agreement shall inure to the benefit of Lender, its successors and assigns, and shall be binding upon the undersigned and the undersigned's successors and assigns.

Lender, in consideration of Mortgagee's subordination of its interest, makes the following representations:

- a. The interest rate of the loan is lower than the interest rate on the current loan on the subject property;
- b. An overall savings to the Owner results, taking closing costs and principal and interest payments into consideration;
- c. The Owner has the funds to pay for closing costs not included in the refinancing; closing costs are not permitted to be included in the refinance by the Mortgagee;
- d. No cash out or check payable to the Owner was paid at closing;
- e. The Owner refinanced only the payoff of the existing mortgage and applicable closing costs.

Mortgagee hereby consents that the lien of the second mortgage first above described be taken as second and inferior to the mortgage last above described, under the aforesaid representations and in reliance thereon.

[REMAINDER OF PAGE INTERNATIONALLY LEFT BLANK]

Witness Signature

Printed Name

Printed Name

Quicken Loans, Inc.

By: _____

Its: _____

Print Name and Title

STATE OF _____

COUNTY OF _____

The foregoing instrument was sworn to and acknowledged before me this _____ day of _____, 2016 by _____, the _____ of _____, on behalf of said company. He/she is personally known to me or has produced _____ (type of identification) as identification.

Notary Public, State of _____

*Printed, typed or stamped name,
commission and expiration:*

Witnesses:

CITY OF PORT ORANGE

Printed Name: _____ By: _____
Donald O. Burnette, Mayor

Printed Name: _____ Date: _____

STATE OF FLORIDA
COUNTY OF VOLUSIA

The foregoing instrument was acknowledged before me this ____ day of _____, 2017, by Donald O. Burnette, as Mayor of the City of Port Orange, a Florida municipal corporation, on behalf of the city, and who is personally known to me.

Notary Public, State of Florida
Printed, typed or stamped name,
commission and expiration:

Witnesses:

ATTEST:

Printed Name: _____ By: _____
Robin L. Fenwick, CMC, City Clerk

Printed Name: _____ Date: _____

STATE OF FLORIDA
COUNTY OF VOLUSIA

The foregoing instrument was acknowledged before me this ____ day of _____, 2017, by Robin L. Fenwick, as City Clerk of the City of Port Orange, a Florida municipal corporation, on behalf of the city, and who is personally known to me.

Notary Public, State of Florida
Printed, typed or stamped name,
commission and expiration:



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: No

SUBJECT: (C12) Update from the Port Orange Historical Trust

DEPARTMENT: City Manager

GOAL: 3 - Quality of Life

RECOMMENDED MOTION:

SUMMARY: Mark Pierson, President of the Port Orange Historical Trust, will be present to introduce himself and provide an update to Council.

Project No.: Funding Account No.:

ATTACHMENTS:

Robin Fenwick
Alan Rosen
Jake Johansson
Robin Fenwick

Created/Initiated - 03/06/2017
Approved - 03/07/2017
Approved - 03/07/2017
Final Approval - 03/07/2017

David G. Leonard ASA, LLC

533 North Nova Road, Suite 207 • Ormond Beach, FL 32174
(386) 206-8932 • (386) 310-7947

February 21, 2017

City of Port Orange
General Employees Retirement Committee
Attn: Linda Johnson, Chairman
1000 City Center Circle
Port Orange, FL 32129

Re: City of Port Orange General Employees
Defined Benefit Retirement Plan
Our File No. FL113

Dear Linda:

We are pleased to enclose the (Draft) Annual Valuation Report for the above plan as of October 1, 2016. Our report contains a review of the plan operations for the 2015-2016 plan year as well as a look forward for the 2016-2017 plan year and beyond.

The City's recommended contribution as produced by the valuation results is 17.3% of covered compensation. Due to budgetary timing restrictions, this contribution rate will be applicable to the 2017-18 fiscal year for the City and the Plan.

This recommendation recognizes changes in actuarial assumptions we believe are necessary to maintain the actuarial soundness of the plan. Please see the General Comments section within the report for additional information concerning the current status of the plan's funding.

Individual certificates of participation have been prepared and delivered separately from this report.

We will deliver eight copies of an abridged version of the draft annual report to your February 27th meeting, and have forwarded an electronic copy of the full report to Benefits USA for distribution to the Committee members.

Finally, this Valuation Report will be reviewed and approved by Lawrence Deustch, E.A., M.A.A.A., M.S.P.A..

If you have any questions or comments concerning this report, please feel free to give me a call at 386-206-8932.

Sincerely,



David G. Leonard, A.S.A.
Enrolled Actuary 17-03604

**City of Port Orange General Employees
Defined Benefit Retirement Plan**

ACTUARIAL CERTIFICATION

The October 1, 2016 draft report has been prepared in accordance with generally accepted actuarial standards and procedures and conforms to the Guidelines for Professional Conduct of the American Academy of Actuaries.

The valuation is based on employee and plan financial data which were provided by the Plan Administrator, Plan Trustee, and various financial institutions. All information submitted to us has been reviewed for reasonableness and consistency, but has otherwise been accepted and relied upon without audit. The plan provisions and other material assumptions are disclosed in report in their respective sections.

To the best of our knowledge, the information supplied in this report is complete and accurate. There have been no events since the retirement date that we have not considered or changes in circumstances that would lead us to believe that the trends assumed as part of the valuation process will not continue.

We have recognized projected mortality through the application of SOA projection scale BB, applied to base mortality table RP-2000. This table has been chosen due to statutory requirements for disclosures to the State of Florida, and will be reviewed annually for its continued applicability.

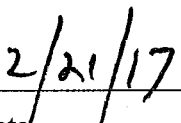
Future actuarial measurements may differ significantly from the current measurement presented in this report due to such factors as the following: plan experience differing from that anticipated; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law.

I, David G. Leonard, A.S.A., E.A., am a member of the Society of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained here

_____

David G. Leonard, A.S.A.

Enrollment #17-03604

_____
Date

ANNUAL VALUATION REPORT
FOR
CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN
AS OF OCTOBER 1, 2016

Prepared by:
David G. Leonard, A.S.A.

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

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CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

1

I. HIGHLIGHTS

This section of the report summarizes the results of the October 1, 2016 actuarial valuation and provides a comparison with the results of the prior revised valuation. The development of these items for the current valuation is shown in the remaining sections of the report, along with a breakdown by employment division. The percentages in parenthesis express each amount as a percentage of covered payroll for the upcoming year, without any assumed salary increases.

	Current Valuation (10/1/2016)		Prior Valuation (10/1/2015)	
1. a. Recommended Contribution	to be determined		\$819,964	
- dependant on total payroll in FY '2017				
b. Valuation Contribution	\$825,400	(17.3%)	\$788,781	(15.5%)
- to be used for FYE 9/30/2018				
2. Actual Contribution	-----		\$880,209	(17.3%)
3. Covered Payroll of Participants				
- All active from prior year	\$5,287,951		\$5,300,301	
- Actives on Valuation Date only	\$4,771,266		\$5,086,853	
4. Gross Normal Cost	\$1,110,603	(23.3%)	\$1,099,214	(21.6%)
5. Assets at Market Value (DB only) (including accrued contributions)	\$29,289,164		\$27,330,202	
6. Actuarial Value of Vested Accrued	Benefits - valued at 7.0%			
a. Active Participants	\$8,106,091		\$9,483,480	
b. Retired / Disabled	20,668,673		18,425,332	
c. Terminated Vested	<u>604,848</u>		<u>486,722</u>	
d. Total Value of Vested Accrued Benefits	\$29,379,613		\$26,746,667	
e. Value of Non-Vested Accrued Benefits for Active Participants	473,595		607,617	
f. Assets in Excess of Vested Benefits (5 minus 6d)	(\$90,448)		\$727,876	
7. Number of Participants				
a. Active Participants	125		131	
b. Late Retirements	1		1	
c. Retired & Disabled Participants and Beneficiaries Receiving Payments	85		77	
d. Terminated Vested Participants Not Yet Receiving Payments	23		24	
e. Total	<u>234</u>		<u>225</u>	

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

II. GENERAL COMMENTS

The October 1, 2016 valuation was prepared on a group of 126 active members, a decrease of six (6) from 2015. The shift in the plan membership weighting to the “new” plan formula has continued, as the percentage of active members under the new plan increased from 13.6% to 18.3%. The pre-2012 plan actives decreased by eleven (11) and now stands at 103. The new plan population gained 5 active members through a combination of terminations and new entrants, to total 23 actives.

The emphasis in plan liabilities towards retired members also continued, with active members now representing only 29% of the total accrued benefits of the plan. This is a 6% decrease from last year. The average age of active plan members decreased to 49 as the new plan added new members and there were eight retirements from the active ranks.

For the October 1, 2016 valuation, we have reduced the interest rate assumption from 7.5% to 7.0% to better reflect current and anticipated future investment conditions. For funding purposes, this change will be phased in over a three year period. For this report, we have weighted the 7.5% calculations at 66.7% and the 7.0% calculations at 33.3%. These percentages will reverse next year and then the October 1, 2018 valuation will be prepared fully at 7.0%.

The change in interest rates increased the recommended contribution for the 2017-18 fiscal year to 17.30% of covered payroll, which is an increase from the 2015 valuation recommendation of 15.51%. For financial accounting purposes, last year’s recommendation is the “Actuarially Calculated Contribution” for 2016-17.

The 2015-16 trust asset return was 10.1%. Gains from the asset performance increased the funded percentages by about 2.0%. In our valuation cost calculations, this year’s gains are combined with prior years’ losses and smoothed out over five years. This produced a valuation yield for the year of about 7.65%. This produced modest actuarial gains of just over \$41,000, which decreased the recommended contribution by about \$4,000 (or about 0.1% of payroll).

Other actuarial experience was again “positive” meaning that between retirements, terminations, new members and salary changes the results helped reduce pension costs rather than increasing them.

Note that for GASB reporting, the change in interest rates to 7.0% cannot be phased in, and thus is being recognized for 2016. Even so, the other factors mentioned above such as trust asset performance and participant experience combined to help maintain the GASB-67 funded ratio this year – just a slight decrease from 81.9% to 81.6%

Finally, we want to address the mortality assumption in use for the plan. We are still using the same table as the Florida Retirement System (FRS), the RP-2000 projected with Scale BB. , which is what we used in 2015. Lacking any other guidance, we will follow the lead of FRS (as is required for the State disclosures), however at some point a more updated table and projection scale should be employed. Such a change would probably increase liabilities by about 5%, which would be about \$1.75M this year.

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

3

III. PLAN ASSETS

A. Summary

Beginning of Year <u>10/01/2015</u>		End of Year <u>09/30/2016</u>
\$ 919,871.11	Cash	\$ 502,158.07
0.00	Prepaid benefits	171,662.87
5,614,856.18	Fixed Income Securities	7,052,441.32
13,638,839.74	Equities - HCC / Bost.	13,266,949.81
2,608,135.67	Intl. Equity Mutual Fund	2,879,403.01
3,694,053.98	Principal Real Estate Trust	4,031,892.52
2,262,462.29	Florida Muni. Inv. Trust	2,651,196.70
58,201.15	Accrued Interest	63,589.84
<u>9,597.37</u>	Accrued Dividends	<u>11,814.81</u>
 \$ 28,806,017.49	 TOTAL (Market Value)	 \$ 30,631,108.95

RECEIPTS

Employer Contribution	\$ 880,209.17
Mandatory Employee Contributions	396,596.90
Voluntary Employee Contributions	28,384.46
Other Income - Misc. Credits	6,545.31
Investment Earnings (incl. chg. accrued)	594,418.57
Realized Gains/(Losses)	<u>676,230.98</u>
 TOTAL INCOME	 \$ <u>2,582,385.39</u>

DISBURSEMENTS

Benefit Payments	\$ 2,331,459.68
Investment Fees	115,344.10
Administrative Expenses	<u>90,456.35</u>
 TOTAL EXPENSES	 \$ <u>2,537,260.13</u>
 NET INCOME	 \$ <u>45,125.26</u>

CHANGE IN NET ASSETS

Unrealized appreciation (depreciation) in assets:	\$ 1,779,966.20
Net Income:	<u>45,125.26</u>
 Net increase (decrease) in net assets for the year:	 1,825,091.46
Net assets at beginning of year:	\$ <u>28,806,017.49</u>
 Net assets at end of year:	 \$ 30,631,108.95

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

4

III. PLAN ASSETS (Continued)

Asset Recap as of September 30, 2016:

	<u>Cost Value</u>	<u>Market Value</u>
Cash:	502,158.07	502,158.07
Bonds:		
US Treasury Obligations	309,195.35	309,273.55
US Government Obligations	1,514,952.34	1,522,957.85
Corp. & Foreign Bonds	5,026,740.64	5,048,610.12
Municipal Obligations	<u>164,063.03</u>	<u>171,599.80</u>
Total Bonds	7,014,951.36	7,052,441.32
Equities:	11,877,042.52	13,266,949.81
International Equity Fund:	2,274,693.09	2,879,403.01
Real Estate Trust Account	3,200,000.00	4,031,892.52
Florida Municipal Inv. Trust	2,000,000.00	2,651,196.70
Prepaid Retirement Benefits	171,662.87	171,662.87
Accrued Dividends:	11,814.81	11,814.81
Accrued Interest:	63,589.84	63,589.84
Trust Totals	\$27,115,912.56	\$30,631,108.95

Assets Available for Defined Benefit Plan:

Total Market Value Assets (from above)	\$30,631,108.95
Less: Defined Contribution Accts.	(76,567.23)
Voluntary Contrib. Accts.	(1,265,377.23)
Net Assets Available for Defined Benefit Plan:	\$29,289,164.49

Breakdown of Distributions from Trust Account

Defined Benefit Payments	
- Monthly Benefits to Retirees and Beneficiaries	\$1,897,928.02
- Refunds of Prior Roll-In accounts and EE Cons.	<u>140,740.87</u>
Total Payments From Defined Benefit Plan	2,038,668.89
Payments To MPP Retirees and Termines	21,400.00
Distributions of Voluntary Accounts	<u>271,390.79</u>
Total Distributions for the September 30, 2016 P.Y.	\$2,331,459.68

DEFINED BENEFIT RETIREMENT PLAN

III. PLAN ASSETS (Continued)

B. Development of Valuation Assets (Actuarial Value of Assets)

The Actuarial Valuation of Assets is calculated by recognizing 20% of the current year's actuarial gain or loss (to the 7.50% assumed rate of return), along with recognition of prior year's gains or losses that are also being recognized 20% per year. The final Valuation Asset level is subject to a corridor of 80% to 120% of the Market Value.

The prior smoothed actuarial asset valuation method was changed for the October 1, 2015 valuation, using the initial unrecognized gains from October 1, 2014 as the only prior base in place.

This method was then modified slightly for 2016 to anticipate Market Value yield at the assumed rate, rather than Expected Valuation Asset Value yield. Please see following page for additional detail.

The following illustrates the calculation of the Actuarial Value of Assets for October 1, 2016:

1. Assumed market value yield at valuation rate*	\$2,021,026
2. Actual MV Yield for September 30, 2016 **	2,725,333
3. Current Year (Gain)/Loss on Market value yield* (1) - (2)	(704,307)
4. Portion of Curr. Yr. (Gn)Loss to be Recog, in 2016 (3) x 20%	(140,861)
5. Portion of Current Years (Gain)/Loss Not Recognized in 2016	(563,446)
6. Prior Unrec. (Gains)/ losses - September 30, 2016 - see next page	479,093
7. Total Unrecognized (Gains)/Losses (5) + (6)	(84,353)
8. Market Value of Trust Assets as of September 30, 2016	29,289,164
9. Preliminary Actuarial Value of Assets - September 30, 2016 (7)+ (8)	\$29,204,812
10. (a) 80% corridor of Market Value	23,431,332
(b) 120% corridor of Market Value	35,146,997
11. Final Actuarial Value of Assets - June 30, 2016	\$29,204,812

The Preliminary Actuarial Value of Assets is 99.7% of the Market Value, and thus falls within the 80% to 120% corridor of actual September 30, 2016 Market Value.

The yield on Valuation Assets for the 2016-2017 Plan Year was 7.65%.

* Assumed income is calculated based on a weighted balance which takes into account the date that the contributions and distributions are made to the fund.

** All items shown exclude the Money Purchase Plan assets. There were no receivable contributions as of the end of the fiscal year.

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

III. PLAN ASSETS (Continued)

C. VALUATION ASSET CALCULATION DETAILED BACK-UP

Smoothed Valuation Asset Calculation

	Transition Year <u>10/01/2014</u>	<u>09/30/2015</u>	<u>09/30/2016</u>	<u>09/30/2017</u>	<u>09/30/2018</u>	<u>09/30/2019</u>
Actuarial Value of Assets	\$26,826,123					
Market Value of Assets	27,474,544	27,330,202	29,289,164			
Unrecognized (G)/L	(648,421)					
Recognized in Year (for 9/30/15)	129,684					
Expected Earnings at Market Value (7.50%)*		2,030,519	2,021,026			
Actual Earnings MV		583,610	2,725,333			
Actuarial (Gain)/Loss on MV		1,446,909	(704,307)			
Recognition of current years (Gain)/Loss		(289,382)	140,861			

Anticipated Unrecognized (Gain)/Loss for Future Years

	<u>09/30/2015</u>	<u>09/30/2016</u>	<u>09/30/2017</u>	<u>09/30/2018</u>	<u>09/30/2019</u>
Remaining Unrecognized (G)/L - 10/1/14 Trans.	(518,737)	(389,053)	(259,368)	(129,684)	0
Remaining Unrecognized (G)/L - 9/30/15 (G)/L	1,157,528	868,146	578,764	289,382	0
Remaining Unrecognized (G)/L - 9/30/16 (G)/L		(563,446)	(422,584)	(281,723)	(140,861)
Remaining Unrecognized (G)/L - 9/30/17 (G)/L			0	0	0
Remaining Unrecognized (G)/L - 9/30/18 (G)/L				0	0
Remaining Unrecognized (G)/L - 9/30/19 (G)/L					0
Total Unrecognized (Gains)/Losses	638,791	(84,353)	(103,189)	(122,025)	(140,861)
Market Value of Assets - EOY	27,330,202	29,289,164			
Total Unrecognized (Gain)/Loss	638,791	(84,353)			
Actuarial Value of Assets - EOY	\$27,968,993	\$29,204,812			

* Calculated using weighted contributions - ER by date, EE at 50%, Distrib at 50%

Note: 9/30/15 Valuation Assets shown above based on the new method and do not equal the Valuation Assets used for October 1, 2015 Valuation Report.

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

IV. RESULTS OF THE ACTUARIAL VALUATION AS OF OCTOBER 1, 2016

& RECOMMENDED CONTRIBUTION

Based on the participants and salaries reported on the Employee Status Report in Section IX of this report, the following calculations develop the Recommended Contribution Percentage for the plan for the Fiscal Year 2017-18. The Aggregate Funding Method is being used for these calculations. The actuarial assumptions employed in the calculations are shown in Appendix B.

	7.50%	7.00%
1. Present Value of Benefits:		
a. Active Participants	\$17,406,466	\$18,989,812
b. Retired	20,555,278	21,406,951
c. Terminated Vested/Refunds Due	<u>649,493</u>	<u>700,319</u>
Total Present Value of Benefits - 10/01/2016	\$38,611,237	\$41,097,082
2. Assets - October 1, 2016 (Smoothed Valuation Basis):	\$29,204,812	\$29,204,812
3. Present Value of Future Normal Costs (1. minus 2.):	\$9,406,425	\$11,892,270
4. Present Value of Future Covered Payroll:	\$43,411,465	\$44,884,860
5. Normal Cost Percentage (3. divided by 4.):	21.67%	26.50%
6. Covered Annual Payroll:	\$4,771,266	\$4,771,266
7. Normal Cost (5. times 6.):	\$1,033,841	\$1,264,150
8. Expected Employee Contributions (7.5% x 6. incr. by 4%):	\$372,159	\$372,159
9. Expected Administrative Expenses:	\$60,000	\$60,000
10. Interest (Interest rate divided by 2. on net Employer Cost):	\$24,813	\$31,220
11. Net Employer Contribution (7. minus 8. plus 9. plus 10.)	\$746,495	\$983,211
Contribution percentage:	15.65%	20.61%
12 Blended Net Employer Contribution (11. weighted at 66.7% of the 7.5% results and 33.3% of the 7.0% results)	\$825,400	
Blended contribution percentage:	17.30%	

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

V. ANNUAL VALUATION - OCTOBER 1, 2016

GASB Statement 67 and FASB
Statement 35/36 Information

I. PENSION BENEFIT OBLIGATION (Accd. Liability) - GAS-67

a. Retirees/Benefic./Terminated	\$22,107,270
b. Current Employees	
i. EE Contr. & Intr.	3,623,043
ii. ER Financed Vested	9,403,864
iii. ER Financed Non-Vested	778,524
iv. Current Employees total	<u>13,805,431</u>
c. TOTALS (a. + b.iv)	35,912,702
d. ASSETS - Market Value	29,289,164
e. FUNDED RATIO (10/1/2016)	81.56%
f. FUNDED RATIO (10/1/2015)	81.87%

*Note: Above calculations have been based on Entry Age
Accrued Liability Per GAS-67. Please see full GAS report.
- Based on 7.0% Interest - RP-2000/Proj. BB Mortality*

II. PRESENT VALUE OF ACCRUED BENEFITS (PVAB) (FAS-35)

a. Retirees/Benefic./Terminated	\$21,329,696
b. Current Employees	
i. EE Contr. & Intr.	3,623,043
ii. ER Financed Vested	4,426,873
iii. ER Financed Non-Vested*	473,595
iv. Current Employees total	<u>8,523,511</u>
c. TOTALS (a. + b.iv)	29,853,207
d. ASSETS - Market Value	29,289,164
e. FUNDED RATIO (10/1/2016)	98.11%
f. FUNDED RATIO (10/1/2015)	94.23%

* Breakdown of Non-Vested PVAB:

- Basic Benefit	\$48,277
- Supl. Benefit	425,318

*- Based on 7.0% Interest -2016 IRS 417e gender distinct mortality
- Note PVAB does not take into account potential ER Subsidies.*

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT PENSION PLAN

VI. CURRENT YEAR MEMBERSHIP SUMMARY

	Active		Total Actives	Vested Term	Due Refund	Retired	Total
	Old Plan	New plan					
Count as of 10/1/2015	114	18	132	10	14	77	233
New Entrants	-	16	16	-	-	-	16
Rehired	-	-	-	-	-	-	-
NVT-not pd	-	(4)	(4)	-	4	-	-
VT-not pd	(2)	-	(2)	2	-	-	-
Retirement	(8)	-	(8)	(1)	-	9	-
Death*	-	-	-	-	-	-	-
Benefits Cease	-	-	-	-	-	(1)	(1)
Refund paid (VT/NVT)	(1)	(7)	(8)	-	(6)	-	(14)
Net Change	(11)	5	(6)	1	(2)	8	1
Count as of 10/1/2016	103	23	126	11	12	85	234

* (Deaths do not include decrease if certain pd. or survivor benefit in pay status)

Active Data Statistics

	October 1, 2016	October 1, 2015
Old Plan		
Count	103	114
Average Age	51.4	51.6
Average Service	15.3	15.4
New Plan		
Count	23	18
Average Age	39.4	41.6
Average Service	1.4	1.1
Total Actives		
Count	126	132
Average Age	49.2	50.2
Average Service	12.8	13.5

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

VII. HISTORICAL INFORMATION

Plan Year Beginning	Participants			Compensation*	Present Val. of Projected Benefits	Market Val. Assets+	Recommended Employer Contribution	(**)	Actual Contribution
	Act.	Ret	- Tm.						
10/01/2003	182	0	0	6,246,033	22,424,281	8,394,944	686,325	(10.99%)	752,491
10/01/2007	192	17	15	7,417,659	32,839,507	16,989,913	1,058,002	(14.26%)	1,009,205
10/01/2008	187	30	14	7,275,289	36,406,576	15,617,889	1,291,191	(17.75%)	1,199,567
10/01/2009	186	32	16	7,599,335	36,178,600	16,608,447	1,021,870	(13.45%)	1,005,433
10/01/2010	184	39	12	7,320,768	35,183,356	18,666,356	782,046	(10.68%)	992,875
10/01/2011	171	50	13	6,768,699	35,015,658	18,446,045	779,345	(11.51%)	912,160
10/01/2012	166	51	15	6,507,751	35,596,456	21,929,057	753,666	(11.58%)	936,378
10/01/2013	142	66	20	5,495,483	35,975,969	25,412,531	695,221	(12.65%)	702,741
10/01/2014	131	71	23	5,170,450	37,913,315	27,474,544	810,606	(15.68%)	673,300
10/01/2015	132	77	24	5,086,853	38,700,514	27,330,202	788,781	(12.65%)	880,209
10/01/2016	126	85	23	4,771,266	38,611,237	29,289,164	825,400	(17.30%)	-----

NOTE: VALUES PRIOR TO 10/01/2005 WERE PREPARED BY PRIOR ACTUARY

* Compensation shown is actual for the fiscal year preceeding the valuation date for active members only (beg. with 10/1/05 - previously projected compensation was used)
New members have annualized salary included for accurate benefit and cost projections.

+ Assets are Defined Benefit Plan only, and are not reduced by the Credit Balance.

** Figures in parenthesis are Recommended Contribution as a percentage of prior year's compensation.

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

IX. RETIREMENT STATUS

A. ACTIVE PARTICIPANTS ELIGIBLE TO RETIRE WITHIN THE NEXT FIVE YEARS

<u>Name</u>	<u>Normal Retire. Date*</u>	<u>Early Retire. Date*</u>	<u>Projected Benefit</u>	<u>Accrued Benefit</u>
<i>- Eligible for Normal Retirement within 5 years.</i>		<i>(benefits do not include Supplemental)</i>		
FAIRCLOTH, DEBORAH J	07/01/2016	10/01/2016	\$1,465.02	\$1,465.02
KUSHMAUL, ROGER N	03/01/2017	03/01/2017	395.78	395.78
+ BECKMAN, BRUCE	04/01/2017	10/01/2016	3,585.85	3,585.85
REED, BARBARA J	01/01/2018	10/01/2016	754.56	686.44
SCHARF, MICHAEL J	08/01/2018	10/01/2016	1,659.82	1,474.24
MICHAELS, HAROLD R	09/01/2018	10/01/2016	865.79	703.80
BIZUB, JOSEPH P	04/01/2019	10/01/2016	714.98	580.24
JOHNSON, LINDA D	09/01/2019	10/01/2016	1,902.30	1,522.48
MILLER, CARMEN L	05/01/2020	10/01/2016	1,609.46	1,285.38
DYER, JEFFREY J	06/01/2020	10/01/2016	1,144.13	854.65
YACEK, FRANK	10/01/2020	10/01/2017	94.01	94.01
+ SOLANA, ROBERT W	12/01/2020	10/01/2016	3,164.96	2,829.92
ZUBER, THOMAS M	12/01/2020	10/01/2016	837.46	643.51
GRABOWSKI, DEBBIE G	02/01/2021	10/01/2016	2,371.21	1,938.40
+ MATASSA, ROBERT T	03/01/2021	10/01/2016	2,547.15	2,125.28
+ PARKER, MARY E	03/01/2021	10/01/2016	2,471.19	2,084.76
+ CULPEPPER, DEBORAH L	08/01/2021	10/01/2016	3,075.70	2,525.53
<i>- Eligible for Immediate Early Retirement with 25 years of service (under age 60)</i>				
+ LAVENDER, ROBERT L	12/01/2021	10/01/2016	\$3,048.76	\$2,409.67
+ DE SOUSA, JOAQUIN	04/01/2023	10/01/2016	3,347.42	2,662.14
+ LOCKABY, PAUL M	08/01/2025	10/01/2016	2,953.91	2,178.94
+ ZUBER, NANCY D	03/01/2026	10/01/2016	3,744.71	2,779.29
+ THOMAS, MITCHELL A	10/01/2026	10/01/2016	3,604.93	2,522.74

* Note 10/1/16 date indicates eligible for immediate Normal or Early Retirement

+ Has already attained 25 years of service.

IX. RETIREMENT STATUS (Con't)

A. ACTIVE PARTICIPANTS ELIGIBLE TO RETIRE WITHIN THE NEXT FIVE YEARS

- *Eligible for Early Retirement with 25 years of service within 2 years.*

* Camacho, Rigoberto	+ Bruce Ferguson	+ Derrick Williams
Kynah Cockcroft	+ Chapman Glor	+ Rick Wilson
+ Stephen Driver		

+ Has already attained 25 years of service.

* Currently eligible for Early Retirement with less than 25 years of service..

- *Others Eligible for Immediate Early Retirement (less than 25 yrs, no supplemental benefit)*

Douglas Brown	Julie Gunnlaugsson	Kevin Mouyard
Catherine Campbell	Deborah Hupf	Peggy Munroe
Robert Frazier	Iwona Kalisiak	Paul Solerno
William Geno	Vinson Leong	Richard Smith
Johnnie Green	Kerry Leuzinger	Drema Thames
Jeffrey Guenther	Michael Madorma	David Van Thoff

B. TERMINATED/INACTIVE with REFUNDS of CONTRIBUTIONS DUE

<u>Name</u>	<u>Termination Date</u>	<u>Refund Due</u>
Joshua Eddy	contrib. in error	88.02
William Farley	10/14/2004	858.50
David Ferguson	05/11/2007	2,442.25
Daniel Munroe	07/25/2016	167.94
William McCord	03/21/2014	22,155.26
Lee McFarland	08/28/2008	58.85
Peter Petillo	05/01/2015	1,732.96
Benjamin Rivas*	09/28/2016	682.20
Chase Route	07/18/2014	4,161.80
Jeffrey Starr	11/05/2004	556.24
Dallas Trayer	10/30/2015	330.25
Traves White	04/13/2016	<u>1,048.61</u>
Totals		\$34,282.88
Additional second payments due:		<u>161.84</u>
Grand Total:		\$34,444.72

* received refund after 10/1/2016

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

IX. RETIREMENT STATUS (Cont.)

C. Terminated Participants Eligible For Future Benefits

<u>Name</u>	<u>Termination Date</u>	<u>Normal Retirement Date</u>	<u>Monthly Benefit at NRD</u>	<u>Present Value ** of Benefits (October 1, 2016)</u>
J. Dombrowski	01/02/2013	07/01/2029	121.38	12,979 +
K. Donahue	09/07/2016	04/01/2032	1,968.11	83,998
D. Foster	06/14/2013	09/01/2035	908.31	43,730 +
R. Jacquish	02/17/2006	02/01/2029	476.78	26,116
M. Kronenberg	06/08/2007	12/01/2026	976.10	61,907
K. Leuzinger*	08/05/2016	09/01/2026	1,749.44	109,554
K. Mouyard	04/05/2006	10/01/2026	189.53	13,195 +
R. Smith	03/08/2013	01/01/2028	2,788.24	158,647
D. Thames*	10/23/2013	02/01/2024	1,026.98	78,897
D. Trainor	02/18/2015	09/01/2027	446.02	26,888
F. Yacek	09/30/2013	10/01/2020	94.01	<u>10,667</u> +

* *Eligible for immediate early retirement.* \$626,578

** *Using current IRS post retirement mortality tables (not projected) and 7.0% interest.*

+ *Employee contributions greater than actuarial present value of accrued benefit.*

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

IX. RETIREMENT STATUS (Cont.)

D. Retired and Disabled Participants Receiving Monthly Benefits

<u>Retired/ Deceased</u>		Actual			Present Value*
<u>Name</u>	<u>Age</u>	<u>Retirement</u> <u>Date</u>	<u>Optional</u> <u>Form</u>	<u>Monthly</u> <u>Pension</u>	<u>of Benefits</u> <u>(October 1, 2016)</u>
BARNES, BILLY C	59	10/01/2016	Life	\$3,368.98	462,656
BARNHART, ELIZ.	61	01/01/2013	Life	3,758.64	508,624
BLACKKEY, WILLIAM	67	08/01/2011	100% J&S	492.27	69,869
BLIVEN, THOMAS (ben)	N/A	10/01/2011	10 Yr. Only	1,184.26	62,681
BOWEY, JANET	74	03/01/2011	Life	169.24	17,423
BREAKS, ROBERT	74	07/01/2008	Life	708.87	66,418
CADY, ANNA	62	01/01/2011	10 C&L	2,808.30	377,498
CERIBELLI, BETTY G	72	04/01/2016	75% J&S	1,130.74	133,452
CHAMBERLAIN, KATHLEE	65	12/01/2014	Life	803.75	101,255
CONFORTI, JAMES	73	04/01/2014	100% J&S	611.91	80,156
COOPER, WALTER	68	09/01/2013	Life	1,453.46	164,198
DAY, ROBERT	65	10/16/2012	100% J&S	2,633.89	370,965
DEARBORN, DENNIS	73	07/01/2008	Life	1,409.73	135,387
ELLIS, bene of RUBIN	77	07/01/2004	Life	893.52	83,321
FINDLEY, CINDY (ben)	57	10/01/2005	Life	423.80	59,894
FOSTER, JAMES	73	04/01/2011	Life	4,032.48	393,092
FRANKLIN, JAMES	65	07/01/2013	50% J&S	3,805.31	509,290
FUHRMAN, FRANK	70	05/01/2013	Life	3,320.02	360,029
GRIFFITH, FRED W	59	09/01/2015	Life	4,543.01	621,497
GRIMM, SANDRA	78	01/01/2004	10 C&L	1,428.58	126,613
GROOM, REBECCA	66	10/01/2010	100% J&S	2,457.09	334,774
GROOM, WILLIAM	68	01/01/2008	100% J&S	2,253.96	303,580
GURNEE, STELLA	62	08/01/2014	75% J&S	1,321.01	190,294
HACKER, LEE ANN (benV)	44	11/01/2010	Life	395.50	63,768
HAMMONS, ELIZABETH	70	02/01/2013	Life	1,596.60	181,639
HILL, DANIEL T	66	04/01/2016	100% J&S	2,219.23	294,033
HOPKINS-PEACE, KRYS.	62	09/01/2013	10 C&L	1,586.62	212,787
HUNTT, STEVEN	66	10/01/2010	100% J&S	2,793.36	398,341
KELLY, MARGARET	82	07/01/2007	Life	832.60	62,299
KELLY, SHIRLEY	69	10/01/2010	Life	3,469.66	403,364

* Using current IRS post retirement mortality tables (not projected) and 7.0% interest.

Note: Monthly Amounts include Supplemental Retirement Benefits where applicable.

The Supplemental benefits are Life Only (thus not subject to selected option shown).

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

IX. RETIREMENT STATUS (Cont.)

D. Retired and Disabled Participants Receiving Monthly Benefits

<u>Retired/ Deceased</u>		Actual	Optional	Monthly	Present Value*
<u>Name</u>	<u>Age</u>	<u>Retirement Date</u>	<u>Form</u>	<u>Pension</u>	<u>of Benefits (October 1, 2016)</u>
KINCAID, KATHRYN	78	10/01/2008	10 C&L	\$1,377.13	\$123,544
KLIMEK, FRANK	78	05/01/2004	10 C&L	1,802.47	144,362
KOCH, MIKE	63	03/01/2013	50% J&S	3,530.36	502,188
KOSUTA, CHRIS	58	11/01/2013	50% J&S	1,851.28	266,763
KUCERA, CHRISTOPHER	66	02/01/2016	Life	3,239.20	386,502
LEFTWICH, GLENDA	71	01/01/2011	10 C&L	1,033.35	115,757
LEVINE, STEVEN	58	06/01/2013	100% J&S	2,579.16	398,303
MACDUFFIE, RAY	70	09/01/2011	Life	625.21	66,986
MAY, ROGER (bene. Ra	63	03/01/2011	Life	775.98	99,006
MC CURRY, DENNIS	62	07/01/2011	Life	2,517.57	328,350
MC NULTY, JOHN	73	07/01/2008	50% J&S	980.89	102,625
MILHOLEN, ELLEN	66	10/01/2008	10 C&L	3,050.53	381,216
MILLER, LEE C	70	08/01/2015	100% J&S	505.28	68,660
MONNING, WILLIAM (be	77	10/01/2007	Life	1,445.22	121,952
NORRIS, GARY (bene)	75	09/01/2008	Life	2,155.45	212,539
ODDIE, WILLIAM	68	04/01/2014	Life	2,726.69	313,302
PALMER, ROBERTA	72	10/01/2010	Life	3,673.00	399,798
PARKER, KENNETH	70	10/01/2012	100% J&S	5,508.77	677,598
PARSONS, JANICE	65	10/01/2011	100% J&S	3,909.02	546,033
PEACE, MICHAEL	58	09/01/2013	50% J&S	3,140.90	452,221
PIKE, WARREN	57	02/01/2015	10 C&L	3,721.69	524,889
POTTS, WILFORD	77	10/01/2008	Life	1,040.28	87,144
REDFIELD, ROSEMARY	66	01/01/2013	10 C&L	593.38	74,355
RILEY, PAUL E	59	11/01/2015	Life	3,116.61	427,999
ROBERTS, VERONICA	70	02/01/2007	Life	1,015.38	115,050
ROREM, STEVEN	67	08/01/2014	Life	1,648.52	190,979
SCHULZ, SHARI- bene	60	02/01/2006	Life	739.04	98,953
SHEFFIELD, HENRICA	66	11/01/2013	Life	2,288.10	284,097
SHELLEY, JOHN	59	02/01/2013	75% J&S	4,595.68	678,981
SHERIDAN, LINDA	63	07/01/2008	10 C&L	2,173.28	282,574

* Using current IRS post retirement mortality tables (not projected) and 7.0% interest.

Note: Monthly Amounts include Supplemental Retirement Benefits where applicable.

The Supplemental benefits are Life Only (thus not subject to selected option shown).

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

IX. RETIREMENT STATUS (Cont.)

D. Retired and Disabled Participants Receiving Monthly Benefits

<u>Retired/ Deceased</u>		<u>Actual Retirement</u>		<u>Optional Monthly Pension</u>		<u>Present Value*</u> <u>of Benefits</u> <u>(October 1, 2016)</u>
<u>Name</u>	<u>Age</u>	<u>Date</u>	<u>Form</u>			
SHEWARD, THOMAS	64	10/01/2008	10 C&L	\$2,202.38		\$273,939
SHROYER, TERRY	66	12/01/2005	100% J&S	1,203.68		158,850
SIMMONS, THOMAS	69	10/01/2010	Life	2,507.28		275,101
SKEENS, SANDRA (ben)	66	07/01/2008	Life	1,763.20		208,771
SMITH, GLENN (bene)	65	02/01/2007	10 C&L	1,693.20		6,773
SNEDDON, MARGARET (bene)	73	10/01/2007	10 C&L	1,494.07		16,435
STEFANICK, MICHAEL	66	12/01/2015	Life	56.07		6,703
STEINEBACH, DONNA	56	08/01/2015	50% J&S	4,907.78		728,296
STUHR, DONALD	70	06/01/2013	100% J&S	1,249.53		161,806
SUTTON, ROBERT	70	05/01/2013	Life	596.47		63,274
TOWEY, RICHARD	67	04/01/2016	75% J&S	3,563.43		474,313
TREON, SHIRLEY	59	02/01/2013	Life	2,416.28		334,389
TROUTMAN, THOMAS C	66	07/01/2016	Life	3,665.25		436,499
TURNER, LARRY	66	10/01/2008	Life	1,463.71		173,646
VAN ARSDALE, WAYNE	70	02/01/2010	Life	491.09		53,255
WALKER, GLEN	70	10/01/2007	10 C&L	3,477.10		371,928
WALKER, RUSSELL	65	05/01/2014	100% J&S	518.96		73,595
WHITMARSH, DOROTHY (bene)	76	06/01/2005	Life	707.75		66,766
WILSON, JUDITH	72	10/01/2009	Life	2,506.31		269,774
WILSON, STEPHEN(bene)	64	08/01/2015	Life	157.09		20,130
WOLF, KENNETH R	58	10/01/2016	Life	2,480.26		341,898
WOLF, STEVEN	60	07/01/2021	Life	2,679.15		236,642
ZURAWSKI, MARCEDA	64	02/01/2018	Life	1,455.77		167,840
<u>Disabled</u>						
COVER, BRIAN (bene)	N/A	01/21/2007	10 Yr. Only	\$756.57		\$3,026
TAYLOR, GERALD (dis)	71	08/01/2004	10 C&L	1,187.68		123,102
Totals				\$170,465.87		\$20,668,673

* Using current IRS post retirement mortality tables (not projected) and 7.0% interest.

Note: Monthly Amounts include Supplemental Retirement Benefits where applicable.

The Supplemental benefits are Life Only (thus not subject to selected option shown).

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

APPENDIX A

PENSION TRUST SUMMARY

PLAN SPONSOR: CITY OF PORT ORANGE
TRUSTEE(S): SALEM TRUST
EFFECTIVE DATE: OCTOBER 1, 2003 (Restated as Defined Benefit)
ANNIVERSARY DATE: OCTOBER 1 OF EACH YEAR

DEFINITIONS

Compensation: Basic annual income excluding overtime, commissions and bonuses, but including all tax deferred or tax exempt items of compensation.

The normal retirement benefit shall be determined based on average compensation over the highest five consecutive years within the final ten years prior to retirement or termination. ("Modified" benefit participants are averaged over the highest consecutive eight years – see below regarding who is a Modified benefit participant.)

Accrued Benefit: The normal retirement benefit based on completed years of Credited Service at the time of the calculation.

Credited Service: Service as measured in full years and completed months from date of employment to date of retirement or termination.

Retirement Dates:

- Normal:** A participant shall retire on the first day of the month coinciding with or next following his 65th birthday or 10th year of service, whichever is later.
- Early:** A participant who has attained age 55 and completed 10 years of credited service may elect to retire before his normal retirement date.
- Disability:** Any participant who becomes totally and permanently disabled shall be entitled to monthly payments.

Eligibility: An employee who is not age 60 as of his Date of Employment shall be eligible to participate in the plan on that date. Effective 10/01/2010, new non-union (civil service) employees are not eligible to participate in this plan. New Participants after January 1, 2012 will earn benefits under new "Modified" provisions, which are specified below.

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

PENSION TRUST SUMMARY (Continued)

Normal: Retirement Benefit:	Upon retirement, a participant shall be entitled to a monthly pension equal to 2.00% (2.12% for years up to 9/30/09) of his average monthly compensation for each year of Credited Service at his normal retirement date. The Normal Form of benefit is Life Only.
Modified Normal: Retirement Benefit:	Upon retirement, a participant shall be entitled to a monthly pension equal to 1.60% of his average monthly compensation for each year of Credited Service at his normal retirement date. The Normal Form of benefit is Life Only.
Supplemental Retirement Benefit:	Upon retirement at Normal Retirement date or later, or Early Retirement with 25 years of Service, a Participant will be eligible for a Supplemental benefit equal to \$16 per year of Service completed prior to September 30, 2009.
Early Retirement Benefit:	Upon retirement at his early retirement date, a participant shall receive his accrued benefit reduced 1/4 of 1% for each month by which his commencement of benefits precedes his normal retirement date. A Participant with 25 or 30 years of Service at his Early Retirement is guaranteed a monthly benefit equal to an unreduced benefit based on their 25 years of service (or 30 year, if applicable) benefit credits. This benefit is in addition to his Supplemental Retirement Benefit, which is subject to the standard Early Retirement reduction factors.
Modified Early: Retirement Benefit:	In addition to the standard early retirement reductions listed above, a Participant with 33 or more years of Service at his Early Retirement is entitled to receive his accrued benefit unreduced for Early Retirement. The 25 and 30 year guaranteed benefits do not apply in the case of the Modified benefit structure.
Disability Benefits:	Different disability benefit levels are provided based on years of service and whether the disability was suffered in the line of duty.
Deferred Retirement Benefit:	A participant who remains in the employment of the City after his normal retirement date shall receive the greater of the normal retirement benefit actuarially increased to his date of retirement, or the benefit based on the normal retirement benefit formula reflecting final average annual salary and service at actual retirement date.

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

PENSION TRUST SUMMARY (Continued)

Death Benefits: Prior to Retirement: The named beneficiary of a deceased participant will receive a monthly annuity payable for life with 10 years certain. The amount will be determined based on the participant's actuarial present value of his accrued benefit, with a minimum of 2 times his salary and a maximum of 100 times his anticipated normal retirement benefit.

Employee Contrib.: Employees are required to contribute 7.5% of basic salary (eff. 10/5/09)

Vesting: A participant shall have a right to his accrued benefit as follows:

<u>Years of Serv.</u>	<u>Vesting</u>	<u>Years of Serv.</u>	<u>Vesting</u>
Less than 5 yrs.	0%	8 years	70%
5 years	25%	9 years	85%
6 years	40%	10 years	100%
7 years	55%		

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

APPENDIX B

ACTUARIAL ASSUMPTIONS

FUNDING METHOD

Aggregate Actuarial Cost Method – A net normal cost is developed by subtracting the Valuation Assets from the PV of Future Benefits, and multiplying that by the ratio of current salaries to the present value of future salaries. The expected employee contributions are subtracted from this amount, and it is adjusted for interest.

Valuation Assets – Smoothed with 5 year recognition of actuarial gains and losses. The method was modified as of 2015 to amortize each year's gain or loss over a closed five year period, rather than on a rolling aggregate basis. This was done to conform the method with ERISA requirements.

INTEREST ASSUMPTION – Funding and FAS-35

Pre-Retirement: 7.5% Compounded Annually

Post-Retirement: 7.5% Compounded Annually

MORTALITY ASSUMPTION – Post Retirement Only

For Funding and FAS-35: RP-2000 Mortality Tables Projected by Scale BB

TURNOVER

None assumed

SALARY SCALE

Salaries are assumed to increase at 4% per year, to the extent limited by law

EARLY RETIREMENT

Participants are assumed to retire early according to the following table(s):

- New for 2016, additional rates based on completed service added to basic rates.

<u>Age</u>	<u>Rate of Retirement</u>	<u>Age</u>	<u>Rate of Retirement</u>	<u>With 25+ Service</u>	<u>Additional Rate of Retirement</u>
55	5%	60	5%	25 yrs.	50%
56	3%	61	5%	26-27 yrs.	15%
57	3%	62	10%	28-29 yrs.	10%
58	3%	63	5%	30 yrs.	50%
59	3%	64	5%	31+ yrs.	15%

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

APPENDIX C - EMPLOYEE STATUS REPORT
FOR PLAN YEAR BEGINNING OCTOBER 1, 2016

NAME	SEX	ATT AGE	YRS TO RETIRE	ANNUAL SALARY	-----DATES-----				STATUS
					BIRTH	EMPLOY	PARTIC	RETIRE	
ALLMAN, SCOTT	M	51	14	\$56,794	5/27/1965	1/7/1985	10/1/2003	6/1/2030	ACTIVE
BALDWIN, ANDREW R	M	51	14	30,711	7/11/1964	9/24/2007	9/24/2007	8/1/2029	ACTIVE
BECKMAN, BRUCE	M	64	1	64,563	3/30/1952	8/31/1981	10/1/2003	4/1/2017	ACTIVE
BIZUB, JOSEPH P	M	62	3	33,631	3/29/1954	11/28/2005	11/28/2005	4/1/2019	ACTIVE
BONIN, AMANDA L	F	30	35	37,464	4/13/1986	12/18/2006	12/18/2006	5/1/2051	ACTIVE
BROWN, DOUGLAS G	M	59	6	29,214	6/14/1957	5/22/2006	5/22/2006	7/1/2022	ACTIVE
BRYANT, ROBERT S	M	42	23	32,150	6/7/1974	9/13/2004	9/13/2004	7/1/2039	ACTIVE
CAMACHO, RIGOBERTO L	M	57	8	42,370	3/5/1959	7/13/1992	10/1/2003	4/1/2024	ACTIVE
CAMPBELL, CATHERINE	F	55	10	37,842	8/6/1960	3/10/2003	10/1/2003	9/1/2025	ACTIVE
CARRIZALES, HEATHER	F	39	26	53,425	11/1/1976	2/4/2008	2/4/2008	12/1/2041	ACTIVE
CLOER, CHARLES S	M	47	18	29,889	2/11/1969	5/9/2011	5/9/2011	3/1/2034	ACTIVE
COCKCROFT, KYNAH R	F	53	12	49,986	11/29/1962	12/2/1991	10/1/2003	12/1/2027	ACTIVE
CONLEY, DENNIS	M	49	16	27,228	1/31/1967	10/3/2011	10/3/2011	2/1/2032	ACTIVE
CROMIE, MICHAEL C	M	49	16	43,779	5/21/1967	5/15/2000	10/1/2003	6/1/2032	ACTIVE
CULPEPPER, DEBORAH L	F	59	6	54,113	7/8/1956	7/11/1988	10/1/2003	8/1/2021	ACTIVE
DE SOUSA, JOAQUIN	M	58	7	55,569	3/5/1958	11/30/1987	10/1/2003	4/1/2023	ACTIVE
DESAULNIERS, CHRIS R	M	46	19	31,334	4/30/1970	11/11/2002	10/1/2003	5/1/2035	ACTIVE
DESSOYE, DERICK J	M	35	30	32,902	1/4/1981	3/31/2003	10/1/2003	2/1/2046	ACTIVE
DIXON, TRAVIS S	M	41	24	41,808	1/11/1975	12/4/2000	10/1/2003	2/1/2040	ACTIVE
DOUD, MARK J	M	52	13	37,270	6/24/1964	3/9/1998	10/1/2003	7/1/2029	ACTIVE
DRIVER, STEPHEN P	M	53	12	52,614	6/29/1963	1/3/1989	10/1/2003	7/1/2028	ACTIVE
DYER, JEFFREY J	M	61	4	35,517	5/31/1955	6/4/2001	10/1/2003	6/1/2020	ACTIVE
EISENMAN, SHAWN	M	42	23	27,920	11/10/1973	9/20/2010	9/20/2010	12/1/2038	ACTIVE
FAIRCLOTH, DEBORAH J	F	65	0	50,337	6/6/1951	5/18/1998	10/1/2003	7/1/2016	ACTIVE
FERGUSON, BRUCE	M	52	13	61,798	8/7/1963	5/22/1989	10/1/2003	9/1/2028	ACTIVE
FERRARA-DALY, LISA M	F	46	19	35,673	9/19/1969	8/20/2001	10/1/2003	10/1/2034	ACTIVE
FERREIRA, PETER M	M	31	34	57,074	7/18/1984	1/8/2007	12/31/2006	8/1/2049	ACTIVE
FRANKLIN, DONALD	M	34	31	54,632	6/12/1982	12/28/2009	12/28/2009	7/1/2047	ACTIVE
FRAZIER, ROBERT A	M	55	10	32,336	7/15/1960	5/15/2006	5/15/2006	8/1/2025	ACTIVE
GAINES, DENNIS L	M	53	12	30,069	3/8/1963	10/20/2008	10/20/2008	4/1/2028	ACTIVE
GENO, WILLIAM J	M	56	9	44,102	7/29/1959	10/6/1997	10/1/2003	8/1/2024	ACTIVE
GLOR, CHAPMAN K	M	54	11	67,225	12/27/1961	8/3/1987	10/1/2003	1/1/2027	ACTIVE
GRABOWSKI, DEBBIE G	F	60	5	49,026	1/17/1956	9/21/1992	10/1/2003	2/1/2021	ACTIVE
GRASSO, DARREN J	M	50	15	39,859	5/12/1966	1/17/2005	1/17/2005	6/1/2031	ACTIVE
GREEN, CHRISTOPHER B	M	47	18	42,188	2/28/1969	2/17/1997	10/1/2003	3/1/2034	ACTIVE
GREEN, JOHNNIE M	M	57	8	60,376	9/24/1958	4/10/2006	4/10/2006	10/1/2023	ACTIVE
GUENTHER, JEFFREY S	M	55	10	42,485	2/26/1961	11/21/1994	10/1/2003	3/1/2026	ACTIVE
GUNNLAUGSSON, JULIE	F	55	10	29,701	8/20/1960	10/24/2005	10/24/2005	9/1/2025	ACTIVE
HALL, JOHN L	M	50	15	49,000	11/12/1965	10/4/1993	10/1/2003	12/1/2030	ACTIVE
HENDRIETH, IZELL A	M	58	7	21,678	7/21/1957	8/25/2008	8/25/2008	8/1/2022	ACTIVE

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

APPENDIX C - EMPLOYEE STATUS REPORT
FOR PLAN YEAR BEGINNING OCTOBER 1, 2016

NAME	SEX	ATT	YRS TO	ANNUAL	-----DATES-----				STATUS
		AGE	RETIRE	SALARY	BIRTH	EMPLOY	PARTIC	RETIRE	
HICKS, MELISSA A	F	32	33	\$42,803	11/19/1983	1/10/2005	1/10/2005	12/1/2048	ACTIVE
HOOD, LEWIS J	M	53	12	36,294	7/15/1962	8/23/1999	10/1/2003	8/1/2027	ACTIVE
HUPF, DEBORAH K	F	58	7	23,118	7/28/1957	10/4/2004	10/4/2004	8/1/2022	ACTIVE
JOHNSON, LINDA D	F	61	4	59,568	8/28/1954	9/1/2000	10/1/2003	9/1/2019	ACTIVE
JOSEPH, DENA M	F	47	18	48,299	2/14/1969	11/27/1995	10/1/2003	3/1/2034	ACTIVE
JOWERS, JEFFREY R	M	46	19	27,594	5/26/1970	9/10/2007	9/10/2007	6/1/2035	ACTIVE
KALISIAK, IWONA M	F	57	8	29,701	11/13/1958	8/9/2004	8/9/2004	12/1/2023	ACTIVE
KINGSBURY, COREY	M	41	24	46,004	6/6/1975	6/7/2010	6/7/2010	7/1/2040	ACTIVE
KOSKO, MARK M	M	47	18	34,598	1/22/1969	6/18/2001	10/1/2003	2/1/2034	ACTIVE
KUSHMAUL, ROGER N	M	64	1	26,246	10/7/1951	3/5/2007	2/28/2007	3/1/2017	ACTIVE
LANGDON, RICHARD	M	41	24	38,505	9/25/1974	3/21/2011	3/21/2011	10/1/2039	ACTIVE
LANNI, DEBORAH M	F	57	8	34,016	2/10/1959	12/18/2006	12/18/2006	3/1/2024	ACTIVE
LAVENDER, ROBERT L	M	59	6	56,604	11/10/1956	7/18/1990	10/1/2003	12/1/2021	ACTIVE
LE CLAIR, ROBERT G	M	59	6	28,321	10/10/1956	9/17/2007	9/17/2007	11/1/2021	ACTIVE
LEE, LIT Y	M	45	20	28,387	12/13/1970	12/20/2004	12/20/2004	1/1/2036	ACTIVE
LENARCIC, ANDREW M	M	40	25	27,581	2/14/1976	1/8/2007	1/8/2007	3/1/2041	ACTIVE
LEONG, VINSON P	M	58	7	34,220	1/11/1958	8/7/2000	10/1/2003	2/1/2023	ACTIVE
LOCKABY, PAUL M	M	55	10	43,307	7/30/1960	12/16/1985	10/1/2003	8/1/2025	ACTIVE
LONDON, TRACY M	F	43	22	37,694	4/12/1973	3/31/2003	10/1/2003	5/1/2038	ACTIVE
LOVALLO, SUSAN L	F	46	19	104,982	10/24/1969	1/13/2003	10/1/2003	11/1/2034	ACTIVE
MACKEY, JOHN A	M	55	10	31,946	11/12/1960	8/22/2011	8/22/2011	12/1/2025	ACTIVE
MADORMA, MICHAEL	M	56	9	36,562	9/20/1959	5/20/2002	10/1/2003	10/1/2024	ACTIVE
MATASSA, ROBERT T	M	60	5	47,462	2/28/1956	9/11/1989	10/1/2003	3/1/2021	ACTIVE
MATTER, BRETT J	M	36	29	37,058	3/13/1980	4/24/2000	10/1/2003	4/1/2045	ACTIVE
MCDONALD, HEATHER	F	46	19	34,314	6/17/1970	9/28/2008	9/28/2008	7/1/2035	ACTIVE
MEADOWS, RICHARD T	M	52	13	36,859	7/26/1963	7/10/2006	7/10/2006	8/1/2028	ACTIVE
MICHAELS, HAROLD R	M	62	3	44,081	8/19/1953	7/31/2006	7/31/2006	9/1/2018	ACTIVE
MILLER, CARMEN L	F	61	4	43,404	4/4/1955	8/3/1998	10/1/2003	5/1/2020	ACTIVE
MUNROE, PEGGY A	F	56	9	35,526	8/20/1959	5/10/1999	10/1/2003	9/1/2024	ACTIVE
PALLANTE, LISA A	F	53	12	65,876	10/10/1962	7/7/2008	7/7/2008	11/1/2027	ACTIVE
PARKER, MARY E	F	60	5	42,438	2/18/1956	2/9/1987	10/1/2003	3/1/2021	ACTIVE
PISKURA, JAMES	M	58	7	24,969	7/10/1957	11/30/2009	11/30/2009	8/1/2022	ACTIVE
REED, BARBARA J	F	63	2	31,779	12/30/1952	2/10/2003	10/1/2003	1/1/2018	ACTIVE
REED, BRENT A	M	44	21	35,716	12/6/1971	1/10/2005	1/10/2005	1/1/2037	ACTIVE
RIVERA, CYNTHIA K	F	48	17	41,696	5/19/1968	6/30/2005	6/30/2005	6/1/2033	ACTIVE
ROWLES, COMMODORE P	M	53	12	30,868	8/30/1962	4/26/2010	4/26/2010	9/1/2027	ACTIVE
ROWLEY, JANOS Y	M	34	31	26,421	7/16/1981	11/14/2011	11/14/2011	8/1/2046	ACTIVE
RUBIN, HEATHER R	F	43	22	35,009	11/4/1972	5/2/2005	5/2/2005	12/1/2037	ACTIVE
SALERNO, PAUL	M	59	6	64,207	6/26/1957	5/8/1995	10/1/2003	7/1/2022	ACTIVE
SCHARF, MICHAEL J	M	62	3	42,930	7/27/1953	7/17/1995	10/1/2003	8/1/2018	ACTIVE

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

APPENDIX C - EMPLOYEE STATUS REPORT
FOR PLAN YEAR BEGINNING OCTOBER 1, 2016

NAME	SEX	ATT	YRS TO	ANNUAL	-----DATES-----				STATUS
		AGE	RETIRE	SALARY	BIRTH	EMPLOY	PARTIC	RETIRE	
SISK, JENNIFER L	F	42	23	\$42,799	8/20/1973	12/4/2006	12/4/2006	9/1/2038	ACTIVE
SITES, CARL E	M	54	11	29,595	3/10/1962	1/7/2008	1/7/2008	4/1/2027	ACTIVE
SMIDDY, MICHAEL	M	55	10	24,698	7/28/1960	3/14/2011	3/14/2011	8/1/2025	ACTIVE
SMITH, MICHAEL R	M	37	28	31,182	1/21/1979	11/15/2004	11/15/2004	2/1/2044	ACTIVE
SMITH, RICHARD W	M	59	6	36,061	3/25/1957	7/10/2006	7/10/2006	4/1/2022	ACTIVE
SOLANA, ROBERT W	M	60	5	48,792	11/5/1955	10/31/1983	10/1/2003	12/1/2020	ACTIVE
SOLANA, SHERILYN S	F	39	26	30,597	10/2/1976	10/4/2004	10/4/2004	11/1/2041	ACTIVE
TALIAFERRO, TROY P	M	39	26	36,615	7/23/1976	8/3/2005	8/3/2005	8/1/2041	ACTIVE
THOMAS, BROCK A	M	29	36	29,383	1/21/1987	6/26/2006	6/26/2006	2/1/2052	ACTIVE
THOMAS, MITCHELL A	M	54	11	57,947	9/3/1961	5/7/1990	10/1/2003	10/1/2026	ACTIVE
TISCHLER, ALLAN H	M	51	14	73,941	9/21/1964	4/12/2004	4/12/2004	10/1/2029	ACTIVE
VANTHOFF, DAVID K	M	55	10	35,955	3/6/1961	1/16/2006	1/16/2006	4/1/2026	ACTIVE
WESTBERRY-MILLER, CO	F	25	40	35,294	11/18/1990	5/16/2011	5/16/2011	12/1/2055	ACTIVE
WHELDON, MICHAEL F	M	48	17	37,778	7/17/1967	2/8/1999	10/1/2003	8/1/2032	ACTIVE
WIEDEL, CHERYL V	F	51	14	46,546	11/7/1964	8/17/1998	10/1/2003	12/1/2029	ACTIVE
WIGGINS, JULIA L	F	46	19	63,727	7/14/1969	1/30/1989	10/1/2003	8/1/2034	ACTIVE
WIGGINS, ROBERT H	M	50	15	31,647	1/21/1966	5/17/2004	5/17/2004	2/1/2031	ACTIVE
WILLIAMS, DERRICK R	M	52	13	44,605	10/25/1963	9/11/1989	10/1/2003	11/1/2028	ACTIVE
WILSON, ADAM B	M	39	26	30,182	9/7/1976	3/28/2005	3/28/2005	10/1/2041	ACTIVE
WILSON, RICK T	M	52	13	81,369	10/23/1963	1/25/1988	10/1/2003	11/1/2028	ACTIVE
YOUNG, LORI A	F	53	12	44,378	12/25/1962	5/12/1997	10/1/2003	1/1/2028	ACTIVE
ZUBER, NANCY D	F	55	10	56,133	2/23/1961	1/19/1987	10/1/2003	3/1/2026	ACTIVE
ZUBER, THOMAS M	M	60	5	27,518	11/14/1955	10/27/2003	10/27/2003	12/1/2020	ACTIVE

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

APPENDIX C - EMPLOYEE STATUS REPORT
FOR PLAN YEAR BEGINNING OCTOBER 1, 2016

POST 2012 PLAN FORMULA GROUP

NAME	SEX	ATT	YRS TO	ANNUAL	-----DATES-----				STATUS
		AGE	RETIRE	SALARY	BIRTH	EMPLOY	PARTIC	RETIRE	
BALLER JR, JOHN	M	46	19	\$24,825	11/27/1969	2/28/2016	2/28/2016	12/1/2034	NEW PAR
BENNETT, KEENAN	M	26	39	5,164	5/27/1990	5/2/2016	5/2/2016	6/1/2055	NEW PAR
BRINDLEY, ERIC	M	52	13	14,104	5/25/1964	2/22/2016	2/22/2016	6/1/2029	NEW PAR
CROXFORD, RONALD	M	46	19	24,264	6/17/1970	10/6/2014	10/6/2014	7/1/2035	ACTIVE
CURRY, EDWARD	M	47	18	32,224	12/4/1968	7/20/2015	7/20/2015	1/1/2034	ACTIVE
DESAULNIERS, RYAN R	M	26	39	397	12/30/1989	8/15/2016	8/15/2016	1/1/2055	NEW PAR
DILLON, JAMES	M	57	8	27,743	4/2/1959	9/3/2012	9/3/2012	5/1/2024	ACTIVE
DOTTEN, EDWIN	M	40	25	12,312	8/14/1975	3/24/2016	3/24/2016	9/1/2040	NEW PAR
EWING, RANDY	M	48	17	13,368	7/21/1967	3/24/2016	3/24/2016	8/1/2032	NEW PAR
GLOVER, DONNY	M	40	25	24,195	9/29/1975	4/21/2014	4/21/2014	10/1/2040	ACTIVE
HAHN, MICHAEL B	M	28	37	25,216	5/22/1988	4/20/2015	4/20/2015	6/1/2053	ACTIVE
HAMPTON, JOHN R	M	45	20	25,800	8/20/1970	7/20/2015	7/20/2015	9/1/2035	ACTIVE
KREINER, JOSEPH W	M	56	9	27,289	3/24/1960	4/6/2015	4/6/2015	5/1/2025	ACTIVE
LAGI, JEREMY	M	27	38	25,800	4/10/1989	12/8/2014	12/8/2014	5/1/2054	NEW PAR
LEMAY, WILLIAM T	M	39	26	23,462	4/12/1977	6/20/2016	6/20/2016	5/1/2042	NEW PAR
MAYE, SHANE R	M	20	45	24,199	7/16/1995	3/24/2014	3/24/2014	8/1/2060	ACTIVE
METTS, STEVEN	M	29	36	13,644	3/16/1987	2/22/2016	2/22/2016	4/1/2052	NEW PAR
NELSON, KEITH A	M	55	10	24,195	3/20/1961	9/8/2014	9/8/2014	4/1/2026	ACTIVE
NUNN, GLENN	M	26	39	14,099	10/4/1989	2/8/2016	2/8/2016	11/1/2054	NEW PAR
OWEN, SHAWN T	M	39	26	30,998	12/27/1976	7/15/2013	7/15/2013	1/1/2042	ACTIVE
QUARTARARO, SETH	M	25	40	24,127	4/10/1991	4/6/2015	4/6/2015	5/1/2056	ACTIVE
REPYNECK, ERIK L	M	41	24	32,065	1/9/1975	6/3/2013	6/3/2013	2/1/2040	ACTIVE
STAUFFER, GARY P	M	33	32	22,416	7/9/1982	10/26/2015	10/26/2015	8/1/2047	NEW PAR

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

APPENDIX D - BENEFIT STATUS REPORT
FOR PLAN YEAR BEGINNING OCTOBER 1, 2016

PARTICIPANT NAME	AA	RA	MONTHLY		ACCRUED BENEFIT	-----VESTED-----		
			COMP.	BENEFIT		PCT	BENEFIT	PRES. VAL.*
ALLMAN, SCOTT	51	65	\$ 4,733	\$4,423.27	\$2,998.20	100	\$2,998.20	\$163,929
BALDWIN, ANDREW R	52	65	2,559	1,115.16	437.68	85	372.03	24,009
BECKMAN, BRUCE	65	65	5,380	3,585.85	3,585.85	100	3,585.85	475,003
BIZUB, JOSEPH P	63	65	2,803	714.98	580.24	100	580.24	65,986
BONIN, AMANDA L	30	65	3,122	2,769.30	572.64	100	572.64	26,148
BROWN, DOUGLAS G	59	65	2,434	784.71	479.51	100	479.51	43,985
BRYANT, ROBERT S	42	65	2,679	1,869.15	617.33	100	617.33	28,671
CAMACHO, RIGOBERTO L	58	65	3,531	2,273.61	1,691.18	100	1,691.18	144,158
CAMPBELL, CATHERINE	56	65	3,153	1,427.89	730.40	100	730.40	57,590
CARRIZALES, HEATHER	40	65	4,452	2,998.76	623.82	85	530.25	30,171
CLOER, CHARLES S	48	65	2,491	1,112.54	263.50	25	65.88	13,237
COCKCROFT, KYNAH R	54	65	4,165	3,067.04	2,007.52	100	2,007.52	135,827
CONLEY, DENNIS	50	65	2,269	903.83	190.22	25	47.56	9,564
CROMIE, MICHAEL C	49	65	3,648	2,369.66	1,144.57	100	1,144.57	54,604
CULPEPPER, DEBORAH L	60	65	4,509	3,075.70	2,525.53	100	2,525.53	260,593
DE SOUSA, JOAQUIN	59	65	4,631	3,347.42	2,662.14	100	2,662.14	236,294
DESAULNIERS, CHRIS R	46	65	2,611	1,709.94	681.10	100	681.10	29,234
DESSOYE, DERICK J	36	65	2,742	2,347.40	707.90	100	707.90	31,030
DIXON, TRAVIS S	42	65	3,484	2,736.66	1,057.17	100	1,057.17	38,340
DOUD, MARK J	52	65	3,106	1,978.81	1,114.09	100	1,114.09	66,731
DRIVER, STEPHEN P	53	65	4,384	3,557.86	2,369.24	100	2,369.24	148,511
DYER, JEFFREY J	61	65	2,960	1,144.13	854.65	100	854.65	93,776
EISENMAN, SHAWN	43	65	2,327	1,302.95	259.75	40	103.90	13,038
FAIRCLOTH, DEBORAH J	65	65	4,195	1,465.02	1,465.02	100	1,465.02	206,746
FERGUSON, BRUCE	53	65	5,150	4,151.11	2,621.42	100	2,621.42	160,272
FERRARA-DALY, LISA M	47	65	2,973	1,985.91	846.00	100	846.00	36,410
FERREIRA, PETER M	32	65	4,756	4,050.04	693.27	100	693.27	31,793
FRANKLIN, DONALD	34	65	4,553	3,399.35	568.29	55	312.56	26,731
FRAZIER, ROBERT A	56	65	2,695	1,039.24	506.06	100	506.06	37,482
GAINES, DENNIS L	54	65	2,506	950.78	377.69	70	264.38	21,950
GENO, WILLIAM J	57	65	3,675	2,012.65	1,344.77	100	1,344.77	110,085
GLOR, CHAPMAN K	55	65	5,602	4,527.43	3,256.37	100	3,256.37	219,764
GRABOWSKI, DEBBIE G	61	65	4,085	2,371.21	1,938.40	100	1,938.40	219,379
GRASSO, DARREN J	50	65	3,322	1,756.89	655.24	100	655.24	32,959
GREEN, CHRISTOPHER B	48	65	3,516	2,625.38	1,296.67	100	1,296.67	55,772

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

APPENDIX D - BENEFIT STATUS REPORT
FOR PLAN YEAR BEGINNING OCTOBER 1, 2016

PARTICIPANT NAME	AA	RA	MONTHLY		ACCRUED BENEFIT	-----VESTED-----		
			COMP.	BENEFIT		PCT	BENEFIT	PRES. VAL.*
GREEN, JOHNNIE M	58	65	\$ 5,031	\$1,764.84	\$977.22	100	\$977.22	\$78,274
GUENTHER, JEFFREY S	56	65	3,540	2,246.26	1,504.73	100	1,504.73	112,211
GUNNLAUGSSON, JULIE	56	65	2,475	985.17	502.41	100	502.41	39,002
HALL, JOHN L	51	65	4,083	3,092.88	1,818.85	100	1,818.85	96,852
HENDRIETH, IZELL A	59	65	1,807	499.14	278.53	70	194.97	24,286
HICKS, MELISSA A	33	65	3,567	3,135.08	795.79	100	795.79	35,793
HOOD, LEWIS J	54	65	3,025	1,715.21	1,001.64	100	1,001.64	68,063
HUPF, DEBORAH K	59	65	1,927	692.07	416.49	100	416.49	42,104
JOHNSON, LINDA D	62	65	4,964	1,902.30	1,522.48	100	1,522.48	172,615
JOSEPH, DENA M	48	65	4,025	3,112.33	1,605.36	100	1,605.36	70,938
JOWERS, JEFFREY R	46	65	2,300	1,274.09	388.12	85	329.90	19,001
KALISIAK, IWONA M	58	65	2,475	959.76	568.84	100	568.84	50,516
KINGSBURY, COREY	41	65	3,834	2,287.42	422.15	40	168.86	21,476
KOSKO, MARK M	48	65	2,883	1,888.21	848.32	100	848.32	36,959
KUSHMAUL, ROGER N	65	65	2,187	395.78	395.78	100	395.78	51,225
LANGDON, RICHARD	42	65	3,209	1,823.63	283.07	40	113.23	13,222
LANNI, DEBORAH M	58	65	2,835	958.98	474.89	100	474.89	39,639
LAVENDER, ROBERT L	60	65	4,717	3,048.76	2,409.67	100	2,409.67	233,258
LE CLAIR, ROBERT G	60	65	2,360	662.55	402.13	85	341.81	37,490
LEE, LIT Y	46	65	2,366	1,468.31	532.34	100	532.34	25,266
LENARCIC, ANDREW M	41	65	2,298	1,554.97	418.11	100	418.11	20,339
LEONG, VINSON P	59	65	2,852	1,290.56	886.07	100	886.07	81,846
LOCKABY, PAUL M	56	65	3,609	2,953.91	2,178.94	100	2,178.94	171,464
LONDON, TRACY M	43	65	3,141	2,218.06	806.48	100	806.48	34,025
LOVALLO, SUSAN L	47	65	8,749	5,610.73	2,157.95	100	2,157.95	88,377
MACKEY, JOHN A	56	65	2,662	749.83	232.44	25	58.11	15,227
MADORMA, MICHAEL	57	65	3,047	1,382.66	840.92	100	840.92	67,932
MATASSA, ROBERT T	61	65	3,955	2,547.15	2,125.28	100	2,125.28	222,349
MATTER, BRETT J	37	65	3,088	2,778.20	953.13	100	953.13	32,551
MCDONALD, HEATHER	46	65	2,860	1,523.73	402.34	70	281.64	18,824
MEADOWS, RICHARD T	53	65	3,072	1,358.07	596.20	100	596.20	35,382
MICHAELS, HAROLD R	63	65	3,673	865.79	703.80	100	703.80	80,722
MILLER, CARMEN L	61	65	3,617	1,609.46	1,285.38	100	1,285.38	144,827
MUNROE, PEGGY A	57	65	2,961	1,526.84	1,008.13	100	1,008.13	86,662
PALLANTE, LISA A	54	65	5,490	2,112.05	763.94	70	534.76	46,651

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

APPENDIX D - BENEFIT STATUS REPORT
FOR PLAN YEAR BEGINNING OCTOBER 1, 2016

PARTICIPANT NAME	AA	RA	MONTHLY		ACCRUED BENEFIT	-----VESTED-----		
			COMP.	BENEFIT		PCT	BENEFIT	PRES. VAL.*
PARKER, MARY E	61	65	\$ 3,537	\$2,471.19	\$2,084.76	100	\$2,084.76	\$228,916
PISKURA, JAMES	59	65	2,081	520.18	266.24	55	146.43	21,854
REED, BARBARA J	64	65	2,648	754.56	686.44	100	686.44	91,802
REED, BRENT A	45	65	2,976	1,901.68	626.38	100	626.38	29,347
RIVERA, CYNTHIA K	48	65	3,475	1,946.15	670.40	100	670.40	30,168
ROWLES, COMMODORE P	54	65	2,572	887.45	282.12	40	112.85	16,418
ROWLEY, JANOS Y	35	65	2,202	1,522.90	189.66	25	47.42	9,447
RUBIN, HEATHER R	44	65	2,917	1,901.77	577.35	100	577.35	27,269
SALERNO, PAUL	59	65	5,351	2,981.35	2,166.44	100	2,166.44	197,768
SCHARF, MICHAEL J	63	65	3,578	1,659.82	1,474.24	100	1,474.24	183,012
SISK, JENNIFER L	43	65	3,567	2,264.65	638.98	100	638.98	31,450
SITES, CARL E	55	65	2,466	925.67	402.22	85	341.89	25,673
SMIDDY, MICHAEL	56	65	2,058	586.58	211.90	40	84.76	14,199
SMITH, MICHAEL R	38	65	2,598	2,033.21	552.92	100	552.92	24,236
SMITH, RICHARD W	60	65	3,005	922.97	580.93	100	580.93	53,027
SOLANA, ROBERT W	61	65	4,066	3,164.96	2,829.92	100	2,829.92	298,123
SOLANA, SHERILYN S	40	65	2,550	1,893.35	590.09	100	590.09	28,257
TALIAFERRO, TROY P	40	65	3,051	2,201.67	606.36	100	606.36	27,546
THOMAS, BROCK A	30	65	2,449	2,225.53	475.17	100	475.17	23,023
THOMAS, MITCHELL A	55	65	4,829	3,604.93	2,522.74	100	2,522.74	175,362
TISCHLER, ALLAN H	52	65	6,162	3,162.02	1,445.43	100	1,445.43	77,440
VANTHOFF, DAVID K	56	65	2,996	1,191.72	610.93	100	610.93	42,888
WESTBERRY-MILLER, CO	26	65	2,941	2,607.86	273.44	25	68.36	13,602
WHELDON, MICHAEL F	49	65	3,148	2,138.78	1,067.13	100	1,067.13	51,595
WIEDEL, CHERYL V	52	65	3,879	2,462.94	1,335.51	100	1,335.51	78,323
WIGGINS, JULIA L	47	65	5,311	4,946.65	2,886.10	100	2,886.10	121,448
WIGGINS, ROBERT H	51	65	2,637	1,405.81	613.03	100	613.03	32,254
WILLIAMS, DERRICK R	53	65	3,717	2,988.52	1,948.31	100	1,948.31	121,988
WILSON, ADAM B	40	65	2,515	1,841.26	546.26	100	546.26	25,200
WILSON, RICK T	53	65	6,781	5,680.02	3,703.21	100	3,703.21	217,799
YOUNG, LORI A	54	65	3,698	2,298.28	1,388.15	100	1,388.15	93,449
ZUBER, NANCY D	56	65	4,678	3,744.71	2,779.29	100	2,779.29	209,645
ZUBER, THOMAS M	61	65	2,293	837.46	643.51	100	643.51	67,826

CITY OF PORT ORANGE GENERAL EMPLOYEES
DEFINED BENEFIT RETIREMENT PLAN

APPENDIX D - BENEFIT STATUS REPORT
FOR PLAN YEAR BEGINNING OCTOBER 1, 2016

POST 2012 PLAN FORMULA GROUP

PARTICIPANT NAME	AA	RA	MONTHLY COMP.	MONTHLY BENEFIT	ACCRUED BENEFIT	-----VESTED-----		
						PCT	BENEFIT	PRES. VAL.*
BALLER JR, JOHN	47	65	\$ 2,069	\$615.12	\$19.31	0	\$0.00	\$1,862
BENNETT, KEENAN	26	65	430	267.93	0.00	0	0.00	387
BRINDLEY, ERIC	52	65	1,175	247.60	10.97	0	0.00	1,058
CROXFORD, RONALD	46	65	2,022	665.90	58.33	0	0.00	3,504
CURRY, EDWARD	48	65	2,685	780.54	49.65	0	0.00	2,857
DESAULNIERS, RYAN R	27	65	33	20.17	0.00	0	0.00	30
DILLON, JAMES	58	65	2,312	422.31	128.16	0	0.00	9,364
DOTTEN, EDWIN	41	65	1,026	398.08	8.21	0	0.00	923
EWING, RANDY	49	65	1,114	288.15	8.91	0	0.00	1,003
GLOVER, DONNY	41	65	2,016	849.53	65.99	0	0.00	3,135
HAHN, MICHAEL B	28	65	2,101	1,277.62	47.72	0	0.00	2,678
HAMPTON, JOHN R	46	65	2,150	688.01	39.75	0	0.00	2,221
KREINER, JOSEPH W	57	65	2,274	360.82	51.35	0	0.00	3,526
LAGI, JEREMY	27	65	2,150	1,350.23	156.35	0	0.00	3,343
LEMAY, WILLIAM T	39	65	1,955	802.92	0.00	0	0.00	4,135
MAYE, SHANE R	21	65	2,017	1,489.55	73.50	0	0.00	4,427
METTS, STEVEN	30	65	1,137	647.33	10.61	0	0.00	1,023
NELSON, KEITH A	56	65	2,016	354.87	46.72	0	0.00	2,998
NUNN, GLENN	27	65	1,175	723.74	10.97	0	0.00	1,057
OWEN, SHAWN T	40	65	2,583	1,164.14	104.61	0	0.00	6,610
QUARTARARO, SETH	25	65	2,011	1,316.27	45.12	0	0.00	2,595
REPYNECK, ERIK L	42	65	2,672	1,122.28	118.89	0	0.00	7,598
STAUFFER, GARY P	34	65	1,868	943.96	27.40	0	0.00	1,681



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: No

SUBJECT: (H18) Second Reading - Ordinance No. 2017-7 - City Logo/Seal Ordinance Amendment

DEPARTMENT: City Attorney

GOAL: 6 - Organizational Excellence

RECOMMENDED MOTION: Move to approve Ordinance No. 2017-7.

SUMMARY: Florida Statute Section 165.043 expressly authorizes the City Council to establish, by ordinance, an official municipal seal. On September 4, 2012, the City of Port Orange officially adopted its seal and logo by approving Ordinance 2012-18. Recent federal district court cases have called into question the type of regulation adopted, and an amendment is necessary in order to address first amendment concerns. This amendment will improve the enforceability of the City's seal and logo use restrictions.

Project No.: Funding Account No.:

ATTACHMENTS:

1.	Ordinance No. 2017-7	LegalFilesWeb1.pdf
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Robin Fenwick

Created/Initiated - 04/03/2017

ORDINANCE NO 2017-7

AN ORDINANCE OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA, AMENDING CHAPTER 2, ARTICLE I, SECTION 2-3 RELATED TO THE USE OF THE OFFICIAL CITY SEAL AND LOGO; PROVIDING FOR REPEAL OF CONFLICTING ORDINANCES, PROVIDING FOR CODIFICATION; PROVIDING FOR SEVERABILITY AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, Section 165.043 of the Florida Statutes authorized the city council to designate an official city seal by ordinance; and

WHEREAS, the City of Port Orange has a compelling interest in preventing private individuals or entities from conveying the false impression of having governmental sponsorship or approval; and

WHEREAS, the City Council of the City of Port Orange finds that the seal of the City is an important representation of the unique characteristics of the City of Port Orange, and that the seal and logo should be protected to the fullest extent allowed by law, such that the general public may rely upon the display or representation of the municipal seal as the official logo or brand of the City; and

WHEREAS, for purposes of this ordinance words with underlined (underlined) type shall constitute additions to the original text and words with strikethrough (~~strikethrough~~) type shall constitute deletions from the original text.

NOW, THEREFORE, BE IT ENACTED BY THE CITY COUNCIL OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA:

SECTION 1. The City Council of the City of Port Orange hereby amends Chapter 2, Article I, Section 2-3 of the Code of Ordinances to read as follows:

Chapter 2 - ADMINISTRATION **ARTICLE I. - IN GENERAL**

Sec. 2-3. - Official city seal and logo; description; custody; prohibited use.

(a) *Seal ~~and logo~~ design.* The official seal of the City of Port Orange shall be an impression or stamp and have a vertical diameter of 1 15/16 of an inch and a horizontal diameter of 1 14/16 of an inch, with an internal circle consisting of a depiction of a body of water with three waves representing a "port" city, a live oak tree representing the city's natural beauty, and the year "1867" representing the year the City of Port Orange was recognized by the U.S. Post Office overlaid on the roots of the live oak tree. The seal

shall have an outer circle consisting of the words, "CITY OF PORT ORANGE" centered and wrapping around the top portion of the circle; and the word, "FLORIDA" centered and wrapping around the bottom portion of the circle. All lettering and numbering shall be styled in the "Optima" font type. A facsimile of the above described official seal is as follows:



(b) Logo design. The official logo of the City of Port Orange shall be an internal circle consisting of a depiction of a body of water with three waves representing a "port" city, a live oak tree representing the city's natural beauty, and the year "1867" representing the year the City of Port Orange was recognized by the U.S. Post Office overlaid on the roots of the live oak tree. The logo shall have an outer circle consisting of the words, "CITY OF PORT ORANGE" centered and wrapping around the top portion of the circle; and the word, "FLORIDA" centered and wrapping around the bottom portion of the circle. All lettering and numbering shall be styled in the "Optima" font type. A color facsimile of the above described official logo is as follows:



(b)c) Logo coloring. The Pantone Matching System ("PMS") shall be employed when using a color city logo. The live oak tree shall be colored number PMS-576 outlined by a thin PMS-Black border. The water shall be colored number PMS-278 outlined by a thin PMS-Black border. The circle shall be colored number PMS-1665 with PMS-Black borders on both the inner and outer parts of the circle. All lettering and numbering on the seal shall be colored number PMS-White with a PMS-Black border.

(ed) *Custody.* The city clerk shall be the custodian of the official city seal.

(de) ~~*Authorized uses*~~ *Record Certification.* The city clerk or designee of the city clerk may certify under the seal copies of any ordinance, resolution, record, paper, letter or document, by law placed in the custody, keeping and care of the city clerk or designee of the city clerk, and such certified copy shall have the same force and effect in evidence as the original would have. Only the city clerk or designee of the city clerk shall be authorized to affix the seal to any document for the purpose of attesting, certifying or otherwise formalizing such document.

~~(e) — *Authorization.* Only the city clerk or designee of the city clerk shall be authorized to affix the seal to any document for the purpose of attesting, certifying or otherwise formalizing such document. Any facsimile, copy, likeness, imitation or other resemblance of the official seal or logo shall be used, displayed or otherwise employed by anyone only upon the express written approval of the city council. The city council may grant a certificate of approval upon application to the city clerk by any person showing good cause for the use of the seal or logo for a proper purpose. The city seal and/or logo shall in no way be employed for the purpose of advertising or promoting the sale of any article of merchandise or endorsement of any candidate or issue whatsoever within this city or for promoting any other commercial or private purpose.~~

(f) ~~*Unauthorized uses; penalty.*~~

(1) The manufacture, use, display, or other employment of any facsimile, ~~copy, likeness, resemblance, rendering or reproduction of the official municipal seal or logo~~ for the purpose of conveying, or in a manner reasonably calculated to convey, a false impression of sponsorship or approval by the city, or by any department, agency, or instrumentality thereof, is prohibited, ~~except by municipal officials or employees in the performance of their official duties. Any person violating this section shall be punishable in accordance with section 1-8 of the Code of Ordinances.~~

(2) The manufacture, use, display, or other employment of any facsimile or reproduction of the official municipal seal or logo for the purpose of advertising or promoting the sale of any article of merchandise or for any other commercial purpose is prohibited, without prior written approval by the city council.

(g) *Penalty.* Any violation of this section shall be punishable in accordance with section 1-8 of the Code.

SECTION 2. All ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed to the extent of such conflict.

SECTION 3. If any provision of this ordinance or the application thereof to any person or circumstance is held invalid, the invalidity shall not affect other provisions or applications of the ordinance which can be given effect without the invalid provision or application, and to this end the provisions of this ordinance are declared severable.

SECTION 4. This ordinance shall become effective immediately upon final passage by the City Council.

MAYOR DONALD O. BURNETTE

ATTEST:

Robin L. Fenwick, CMC, City Clerk

Passed on first reading on the day of

Passed and adopted on second and final reading on the day of

Reviewed and Approved: _____
Matthew J. Jones, Deputy City Attorney



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: No

SUBJECT: (H19) Second Reading - Ordinance No. 2017-8 - Minor Chapter 50 Clean-up Amendment

DEPARTMENT: Parks & Recreation

GOAL: 6 - Organizational Excellence

RECOMMENDED MOTION: Move to approve Ordinance No 2017-8.

SUMMARY: We have found a minor error in our Code of Ordinances in Chapter 50-32 (e) that needs to be cleaned-up. The referenced section of the code pertains to our Athletic Facilities, however, 50-32 (e) states Recreation Facilities.

The term Recreation Facility needs to be replaced with Athletic Facility. This would ensure that all parts of our code are consistent with the definitions spelled out at the start of Chapter 50.

Project No.: Funding Account No.:

ATTACHMENTS:

1.	Ordinance No. 2017-8	.pdf
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Robin Fenwick

Created/Initiated - 04/03/2017

ORDINANCE NO. 2017-8

AN ORDINANCE OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA, AMENDING CHAPTER 50, ARTICLE II, SECTION 50-32 REGARDING THE PROHIBITION OF ADMISSION CHARGES AT ATHLETIC FACILITIES; PROVIDING FOR CODIFICATION; PROVIDING FOR REPEAL OF CONFLICTING ORDINANCES; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, for purposes of this Ordinance text with underlined (underlined) type shall constitute additions to the original text and text with strike-through (~~strike-through~~) type shall constitute deletions to the original text;

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA:

SECTION 1. The City Council of the City of Port Orange, Florida hereby amends Section 50-32 of the Code of Ordinances to read as follows:

Sec. 50-32. - Athletics/sports.

(a) – (d) [Remain Unchanged]

(e) No admission charges shall be permissible at any ~~recreation facility~~ athletic facility except as authorized by city council.

(f) – (g) [Remain Unchanged]

SECTION 2. The provisions of this Ordinance shall become and be made a part of the Code of Ordinances of the City of Port Orange and the Sections of this Ordinance may be renumbered or re-lettered to accomplish such intention. The Code codifier is granted liberal authority to codify the provisions of this Ordinance.

SECTION 3. All ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed to the extent of such conflict.

SECTION 4. If any provision of this ordinance or the application thereof to any person or circumstance is held invalid, the invalidity shall not affect other provisions or applications of the ordinance which can be given effect without the invalid provision or application, and to this end the provisions of this ordinance are declared severable.

SECTION 5. This ordinance shall become effective immediately upon final passage by the City Council.

MAYOR DONALD O. BURNETTE

ATTEST:

Robin L. Fenwick, CMC, City Clerk

Passed on first reading on the day of _____, 2017

Passed and adopted on second and final reading on the day of _____, 2017

Reviewed and Approved: _____
Deputy City Attorney



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: No

SUBJECT: (H20) First Reading - Ordinance No. 2017-10 – Rezoning/6080 Deerfeed Trail, Case No. 17-60000001

DEPARTMENT: Community Development

GOAL: 3 - Quality of Life

RECOMMENDED MOTION: Move to approve Ordinance No. 2017-10, to rezone ± 0.77 acres from Flood plain-conservation (F-C) to Rural Residential (RR).

SUMMARY: Planning Commission Action (3/23/17): Recommended Approval

The proposed rezoning would change the subject area from Flood plain-conservation (F-C) to Rural Residential (RR) for ± 0.77 -acres (amendment area) of an overall ± 1 -acre property. The remaining ± 0.23 -acres are not included in the proposed rezoning amendment and would retain the current Flood plain-conservation (F-C) zoning designation to maintain the required 50' Spruce Creek Environmental Corridor buffer.

The property was annexed into the City in 1984 and a building permit was issued in 1985 for the construction of the single-family home that was completed in 1986. On the 1985 zoning map (and all subsequent maps), the subject property is zoned "F-C". According to the Volusia County Property Appraisers website, the property is designated as a single-family lot. However, single-family homes are not a permitted use in the "F-C" zoning district. Due to the more than 30-year time lapse since the building permit was issued, staff has not been able to identify any information regarding how the subject home was permitted in the "F-C" zoning district.

In January 2017, a building permit was proposed to be submitted to construct a ± 363 -square foot addition onto the existing single-family home. That is when the non-conforming use of land was identified. Because the current zoning (F-C) of the property does not allow single-family homes as a permitted-use, the proposed addition cannot be approved because it would expand a non-conforming use. For the addition to the single-family home to be approved, the property must be rezoned from Flood plain-conservation (F-C) to a district that permits single-family homes.

Staff has prepared the subject administrative rezoning application in order to correct this longstanding inconsistency, so that the subject property will have a zoning consistent with the Comprehensive Plan Future Land Use designation and its long-term use as a single-family home since the mid-1980's. The staff report is attached for more information.

Project No.: Funding Account No.:

ATTACHMENTS:

1.	Ord. No. 2017-10	Ord. No. 2017-10.pdf
2.	Staff Report	6080 Deerfeed Tr_ administrative rezoning staff report.pdf

Penelope Cruz	Created/Initiated - 03/24/2017
Wayne Clark	Approved - 03/24/2017
Shannon Balmer	Approved - 04/05/2017
Margaret Roberts	Approved - 04/05/2017
Jake Johansson	Approved - 04/06/2017
Robin Fenwick	Final Approval - 04/06/2017

ORDINANCE NO. 2017-10

AN ORDINANCE OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA, REZONING PROPERTY CONSISTING OF APPROXIMATELY ± 0.77 ACRES LOCATED AT 6080 DEERFEED TRAIL FROM FLOOD PLAIN-CONSERVATION (F-C) TO RURAL RESIDENTIAL (RR); AUTHORIZING REVISION OF THE OFFICIAL ZONING ATLAS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the property to be rezoned consists of approximately ± 0.77 acres located at 6080 Deerfeed Trail from Flood Plain-Conservation (F-C) to Rural Residential (RR); and

WHEREAS, a public hearing was held following public notice as prescribed by ordinance; and

WHEREAS, the Planning Commission recommended approval of the proposed rezoning;

WHEREAS, the City Council has approved by majority vote of the members present the rezoning of the described property; and

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA:

Section 1. The City Council of the City of Port Orange does hereby rezone the following described property from Flood Plain-Conservation (F-C) to Rural Residential (RR).

Section 2. The property rezoned consists of approximately ± 0.77 acres located at 6080 Deerfeed Trail, more particularly described in **Exhibit "1"**, attached hereto.

Section 3. The City Council of the City of Port Orange does hereby approve, authorize and direct the revision of the City's Official Zoning Atlas to show the classification for the area as hereby rezoned as shown on **Exhibit "2"** attached hereto.

Section 4. This ordinance shall become effective immediately upon adoption.

MAYOR DONALD O. BURNETTE

ATTEST:

Robin L. Fenwick, CMC, City Clerk

Passed on first reading on the ____ day of _____, 2017

Passed and adopted on second and final reading on the ____ day of _____,
2017.

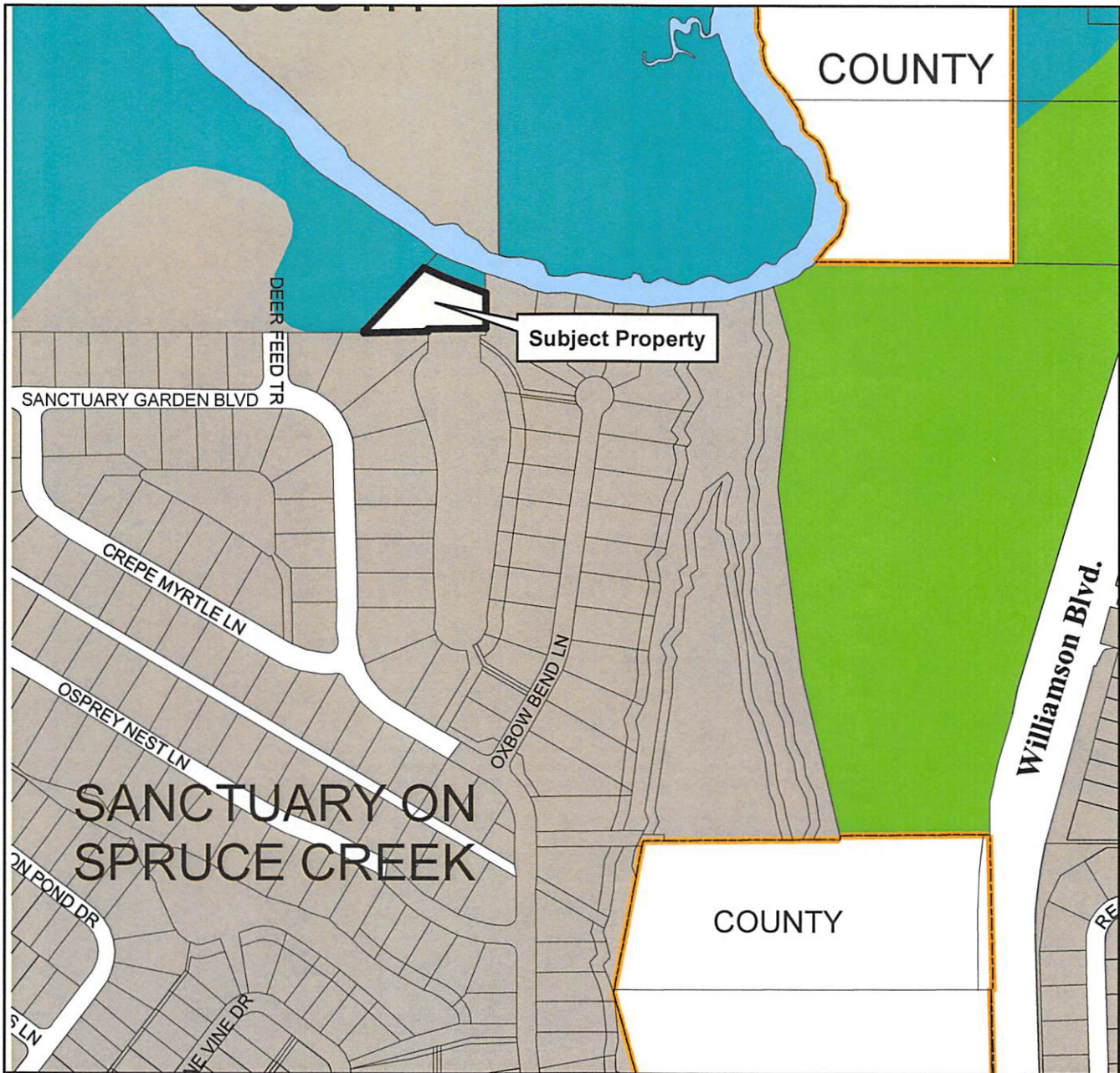
Reviewed and Approved: _____
Shannon K. Balmer, Assistant City Attorney

Exhibit "1"

Legal Description

A portion of Section 30, Township 16 South, Range 33 East, Volusia County Florida, more particularly described as follows: From the Southwest corner of the Northeast 1/4 of said Section 30, run S 88° 31' 13" E along the South line of said Northeast 1/4 a distance of 937.99 feet to the Point of Beginning; thence continue S 88° 31' 13" E a distance of 337.00 feet; thence N 1° 13' 39" E a distance of 160.00 feet, more or less to the South bank of Spruce Creek, thence run Northwesterly along the South bank of said Spruce Creek a distance of 125.00 feet, more or less; thence departing said South bank, run S 48° 42' 45" W a distance of 297.84 feet more or less to the Point Beginning, Public Records Volusia County, Florida, LESS THAN AND EXCEPT the FIFTY (50) foot buffer from top of the Spruce Creek Bank inward for purposes of maintaining the Spruce Creek Environmental Corridor buffer as required by the City of Port Orange Land Development Code.

Exhibit "2"



Zoning Classification

 F-C Flood Plain-Conservation	 PUD Planned Unit Development
 RR Rural Residential	 A Agriculture



Zoning
CITY OF PORT ORANGE
DEPARTMENT OF COMMUNITY DEVELOPMENT





STAFF REPORT

REZONING/6080 Deerfeed Trail

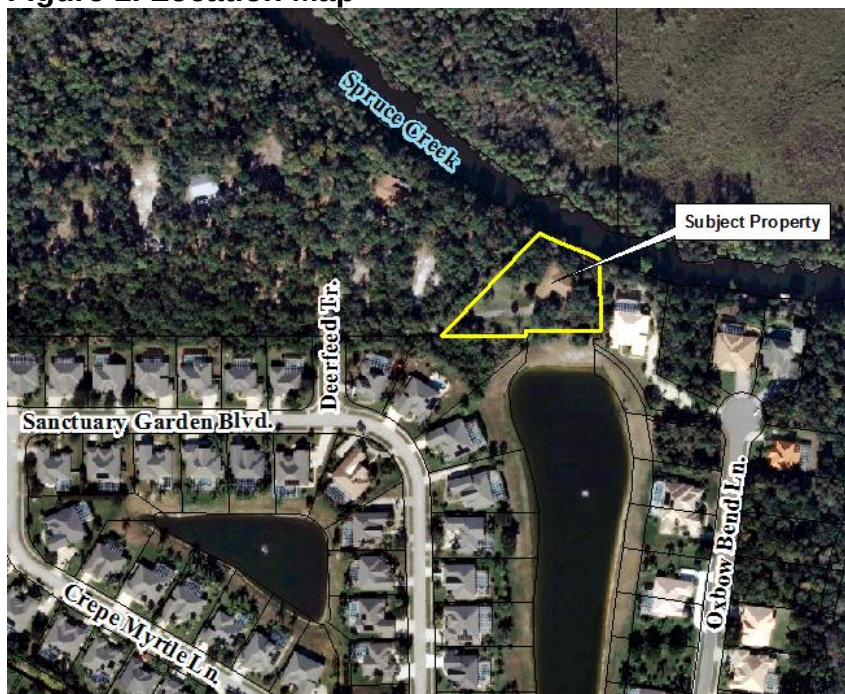
CASE NO. 17-60000001

REQUEST:	Rezone ± 0.77 -acres from Flood plain-conservation (F-C) to Rural Residential (RR)
OWNER:	Michael Callahan
APPLICANT:	City of Port Orange
LOCATION:	6080 Deerfeed Trail
STAFF RECOMMENDATION:	Approval
STAFF CONTACT:	Penelope Cruz, Principal Planner (386) 506-5671
PLANNING COMMISSION:	Recommended Approval
CITY COUNCIL:	April 18, 2017

OVERVIEW

The proposed rezoning would change the subject area from Flood plain-conservation (F-C) to Rural Residential (RR) for ± 0.77 -acres (amendment area) of an overall ± 1 -acre property. The remaining ± 0.23 -acres are not included in the proposed rezoning amendment and would retain the current Flood plain-conservation (F-C) zoning designation to maintain the required 50' Spruce Creek Environmental Corridor buffer. According to the Land Development Code (LDC), a Spruce Creek Environmental Corridor buffer is to be established 50' beyond the top of the Spruce Creek bank to provide for the preservation of native vegetation and only water-dependent structures can be built within the buffer (e.g. docks).

Figure 1. Location Map



DISCUSSION

The overall ±1-acre property has a Suburban Residential Future Land Use, is currently zoned Flood plain-conservation (F-C), and is developed with a single-family home. The property was annexed into the City in 1984 and a building permit was issued in 1985 for the construction of the single-family home that was completed in 1986. On the 1985 zoning map (and all subsequent maps), the subject property is zoned "F-C". According to the Volusia County Property Appraisers website, the property is designated as a single-family lot. However, single-family homes are not a permitted use in the "F-C" zoning district. Due to the more than 30-year time lapse since the building permit was issued, staff has not been able to identify any information regarding how the subject home was permitted in the "F-C" zoning district. The inconsistent zoning of the property had not been identified before now because the property owner had not requested any other building permits until now.

In January 2017, a building permit was proposed to be submitted to construct a ±363-square foot addition onto the existing single-family home. That is when the non-conforming use of land was identified. Because the current zoning (F-C) of the property does not allow single-family homes as a permitted-use, the proposed addition cannot be approved because it would expand a non-conforming use. For the addition to the single-family home to be approved, the property must be rezoned from Flood plain-conservation (F-C) to a district that permits single-family homes.

Staff has prepared the subject administrative rezoning application in order to correct this longstanding inconsistency, so that the subject property will have a zoning consistent with the Comprehensive Plan Future Land Use designation and its long-term use as a single-family home since the mid-1980's.

The rezoning request was reviewed according to the criteria established in Chapter 3, Section 5 of the Land Development Code (LDC) in terms of consistency with the Comprehensive Plan and the surrounding land uses and zoning.

COMPATIBILITY WITH SURROUNDING USES AND ZONING

The Rural Residential (RR) zoning district is intended to provide low-density residential development in those areas only suitable for such development due to their location adjacent to agricultural areas, environmentally sensitive areas, or existing large lot residential development; or in those areas that, due to their inaccessibility from adequate urban services, fail to justify higher densities.

The property is currently developed with a single-family home. Located to the east and south of the subject property is the existing Sanctuary on Spruce Creek residential subdivision with various sized single-family lots ranging from 6,000 to 8,000 sq.ft. and to the west is the Russell Property that is owned by the City. Located to the north of the property is Spruce Creek. The table below summarizes the land use and zoning of the adjacent properties and the Future Land Use and zoning maps are attached (Exhibit A and B).

Table 1. Surrounding Land Use & Zoning

Direction	Existing Land Use	Zoning District
North	Spruce Creek, Open Space	Planned Unit development (Summer Trees)
South	Single-family	Planned Unit development (Sanctuary on Spruce Creek)
East	Single-family	Planned Unit development (Sanctuary on Spruce Creek)
West	Public (Russell Property)	Flood plain-conservation (F-C)

CONSISTENCY WITH COMPREHENSIVE PLAN

The proposed Rural Residential (RR) zoning district is considered compatible with the Suburban Residential Future Land Use designation. The Suburban Residential designation is generally characterized by detached or attached single-family homes on lots one quarter-acre in size or more. Based on compatibility with adjacent zoning districts and availability of infrastructure, staff believes that the existing use (single-family home) and requested zoning are appropriate at this location and consistent with existing land use designation.

RECOMMENDATION

Staff recommends approval of the request to rezone ±0.77 acres located at 6080 Deerfeed Trail from Flood plain-conservation (F-C) to Rural Residential (RR).

ATTACHMENTS

1. Exhibit A - Current and Proposed Zoning Map
2. Exhibit B - Future Land Use Map

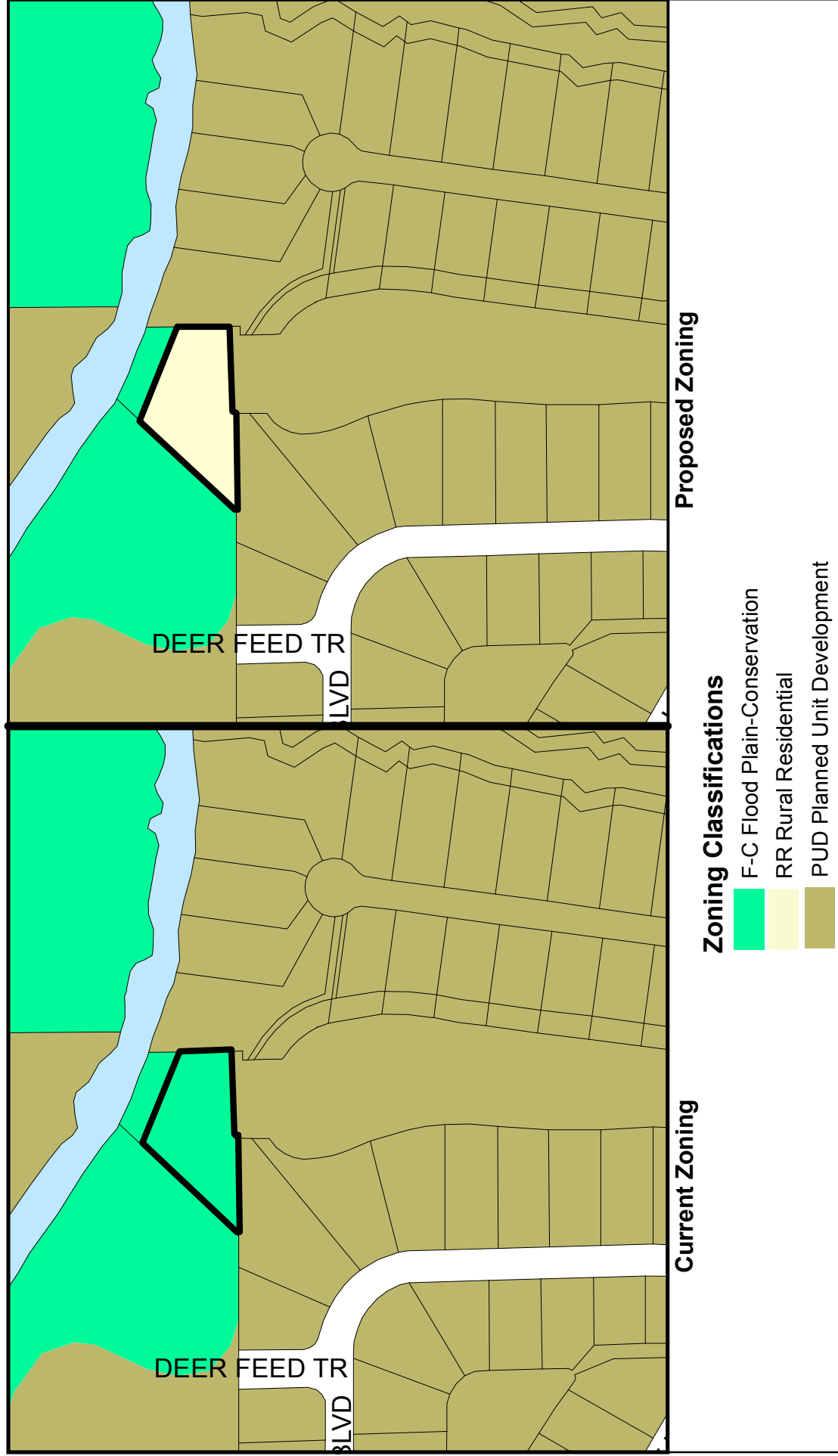
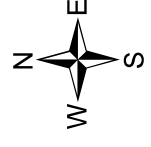
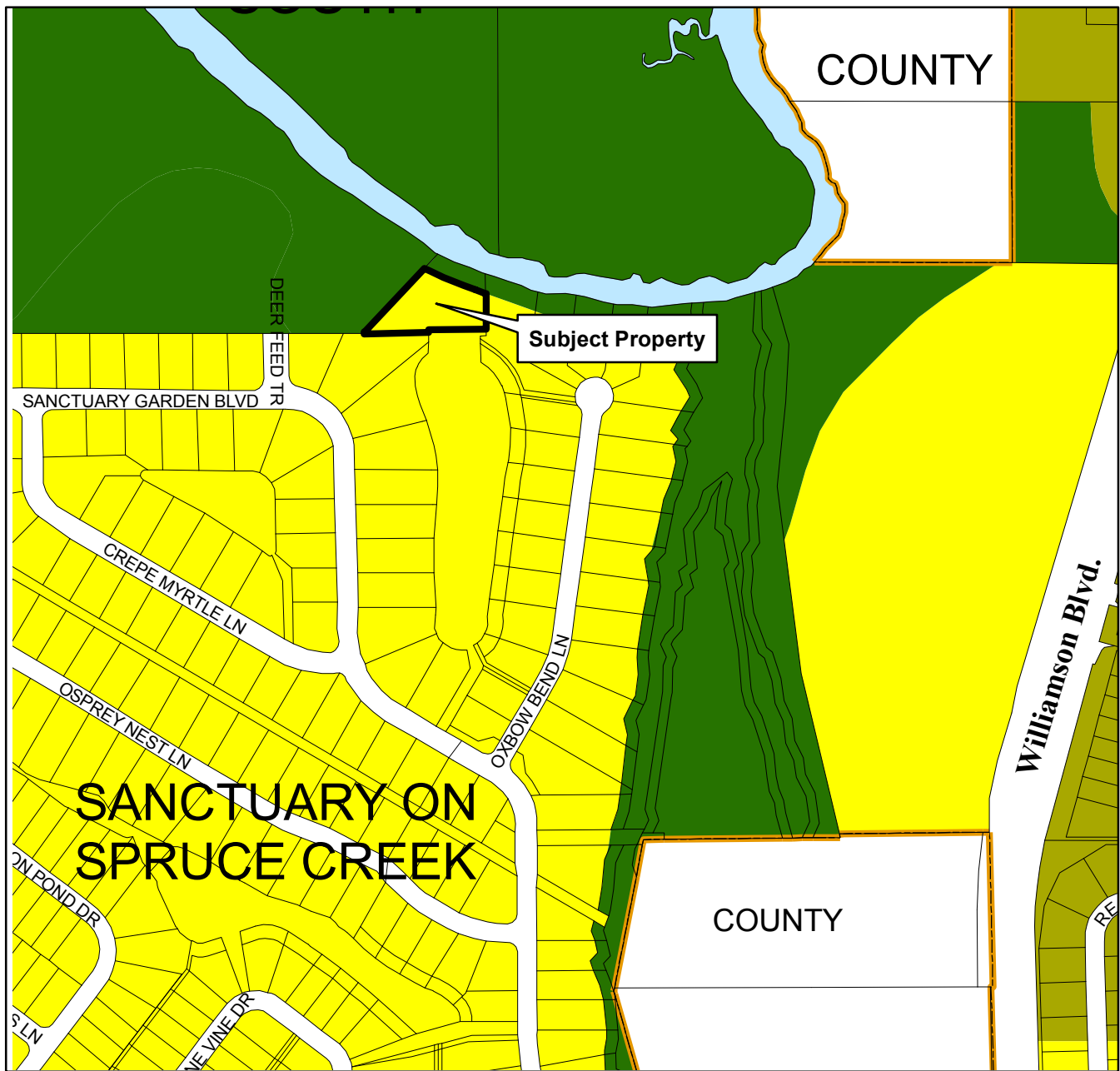


Exhibit A - Zoning

DEPARTMENT OF COMMUNITY DEVELOPMENT





Future Land Use Designations

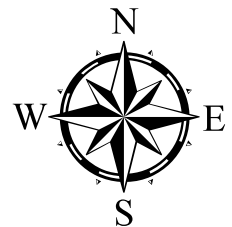
- Conservation
- Rural Transition (0-2 Units/Acre)
- Suburban Residential (2-4 Units/Acre)



Exhibit B - Future Land Use

CITY OF PORT ORANGE

DEPARTMENT OF COMMUNITY DEVELOPMENT





CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: No

SUBJECT: (H21) Final Plat & Plans and Subdivision Variance for the Woodhaven Subdivision, Phase I, North of Williamson Boulevard, east of I-95, Case No. 17-50000001

DEPARTMENT: Community Development

GOAL: 3 - Quality of Life

RECOMMENDED MOTION: Move to approve upon verification of transportation concurrency, the Final Plat & Plans for the Woodhaven Phase I Subdivision, and a subdivision variance to waive the requirement to provide a trash compactor or dumpsters in the townhome portion of the subdivision.

SUMMARY: Planning Commission Action (3/23/17): Recommended Approval

The Applicant requests approval of the Woodhaven Subdivision (Phase 1). If approved, the Applicant proposes to subdivide ±116 acres into 178 single-family lots and 93 townhome lots, along with associated infrastructure and stormwater improvements. The subject property is located north of Williamson Boulevard, between I-95 and the Ashton Lakes and Sterling Chase subdivisions. The plat and subdivision plans have been designed according to the requirements of the City's Land Development Code (LDC) and the Woodhaven Planned Unit Development (PUD) Master Development Agreement (MDA), subject only to the transportation concurrency requirements that are anticipated for completion prior to the city council's determination. Public facilities and services, such as roads, public infrastructure, schools, and recreational facilities are currently available to serve the proposed 271 residential lots. The Community Development Department will update council in the meeting on the status of transportation concurrency.

The variance being requested by the applicant is to waive the requirement to provide a trash compactor or dumpsters in the townhome portion of the subdivision. The Land Development Code (LDC) requires townhouse and multifamily developments to provide one standard dumpster pad and enclosed collection point for every 20 residential units or a trash compactor sufficient in size to serve the entire development. This requirement was added to the LDC in 2011 due to some staff concerns about possible visual clutter from the number of individual trash cans on smaller townhome lots (18'-wide) and inefficient solid waste collection service. However, this has not turned out to be an actual problem in existing Port Orange developments or in other cities with developments similar to the proposed townhomes, but because it is an LDC requirement the Applicant must request a variance to permit an alternative approach. The applicant has requested the subdivision variance to allow the townhome portion of this subdivision to be developed with individual curbside solid waste disposal rather

than with the required trash compactor or dumpsters.

The staff report is attached for more information.

Project No.: Funding Account No.:

ATTACHMENTS:

1.	Staff Report	CC Staff Report_Woodhaven_PH1.pdf
2.	Plat	Plat - Woodhaven Phase 1_11x17.pdf
3.	Plans	REVISED FINAL ENGINEERING PLANS (03-20-17) - 11in by 17in.pdf

Penelope Cruz	Created/Initiated - 03/29/2017
Wayne Clark	Approved - 03/30/2017
Shannon Balmer	Approved - 04/05/2017
Margaret Roberts	Approved - 04/06/2017
Jake Johansson	Approved - 04/07/2017
Robin Fenwick	Final Approval - 04/07/2017



STAFF REPORT

SUBDIVISION PLAT & PLANS /

WOODHAVEN, PHASE I & SUBDIVISION VARIANCE

CASE NO. 17-50000001

REQUEST: Approval of the Woodhaven Phase I Plat and Subdivision Plans, subject to approval of the subdivision variance to waive the requirement to provide a trash compactor or dumpsters in the townhome portion of the subdivision.

LOCATION: North of Williamson Boulevard, east of I-95 (see Figure 1)

OWNER/APPLICANT: CC Woodhaven, LLC

STAFF CONTACT: Penelope Cruz (386) 506-5671

STAFF RECOMMENDATION: Approval (subject to receipt of a Traffic Concurrency Certification from Volusia County)

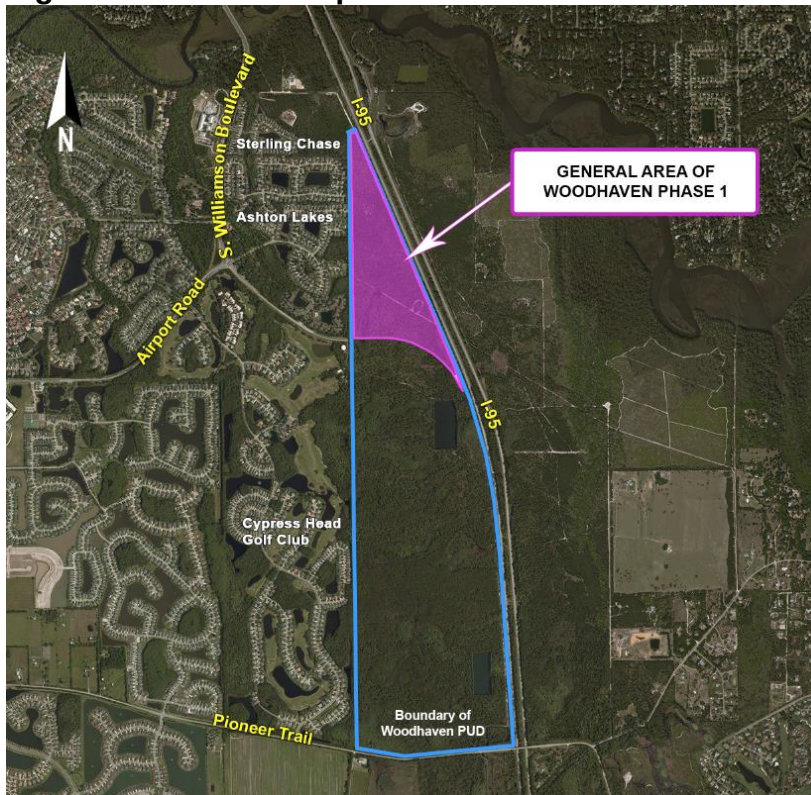
PLANNING COMMISSION DATE: Recommended Approval

CITY COUNCIL DATE: April 18, 2017

DISCUSSION

The Applicant requests approval of the Woodhaven Subdivision (Phase 1). If approved, the Applicant proposes to subdivide ± 116 acres into 178 single-family lots and 93 townhome lots, along with associated infrastructure and stormwater improvements (Exhibit B). The subject property is located north of Williamson Boulevard, between I-95 and the Ashton Lakes and Sterling Chase subdivisions.

Figure 1. Location Map



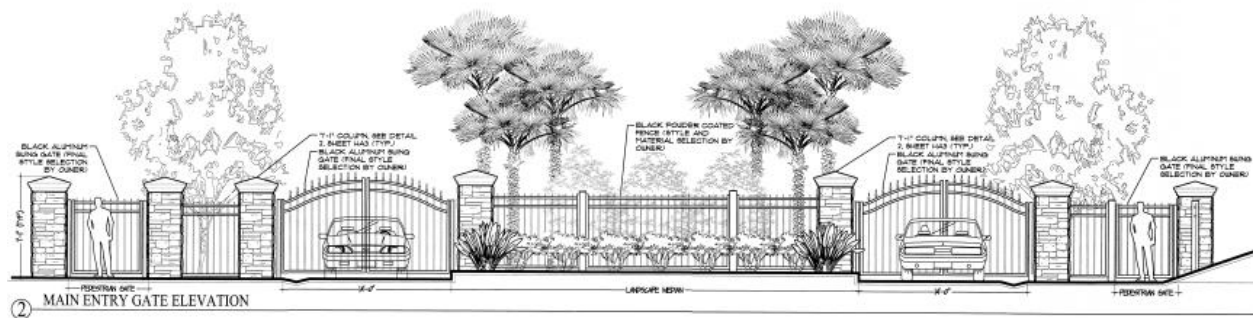
The subject property is currently vacant. It has been zoned Planned Unit Development (PUD) since 1997. The subject ± 116 -acre property's Future Land Use designation is primarily *Rural Transition* (0-2 units/acre), with some areas of *Conservation* and *Suburban Residential* (2-4 units/acre).

The plat and subdivision plans have been designed according to the requirements of the Woodhaven PUD Master Development Agreement

(MDA) and the City's Land Development Code (LDC), except for the variance requested and discussed later in the report. The subdivision will have access from Williamson Boulevard. The following subdivision improvements will be constructed:

- Water and sewer infrastructure;
- Private, gated local streets within the subdivision (travel lanes, 5' sidewalks, and streetlights);
- Stormwater drainage infrastructure;
- 50'-wide buffers along Williamson Boulevard, I-95, and the western perimeter adjacent to the existing Ashton Lake and Sterling Chase subdivisions and the Ashton Lake apartments; and
- Entry signage, gate and landscaping at the entrance off Williamson Boulevard (see Figure 2 and Staff Report Exhibit C).

Figure 2. Main Entrance Gate



CONCURRENCY REVIEW

Public facilities and services, such as roads, public infrastructure, schools, and recreational facilities are currently available to serve the proposed 271 residential lots. The following discussion and table summarizes the impacts the proposed development is expected to have on the public facilities and services.

Table 1. Infrastructure Impact Assessment for 178 Single-Family Lots & 93 Townhome Lots

Development Variable	Development Impact
Population ¹	610
A.M./P.M./Daily Peak Hour Trips ²	209/275/2,767
Sanitary Sewer (gallons per day) ³	43,360
Potable Water (gallons per day) ⁴	48,780
Stormwater Drainage ⁵	See note
Solid Waste (lbs. Per day) ⁶	1,958
Recreation & Open Space ⁷	
• Parkland	4.27
• Ball Fields	0.122
• Basketball Courts	0.153
• Multipurpose Courts	0.174
• Tennis Courts	0.153
• Neighborhood Centers	0.041

Table 1 Notes:

1. **Population:** 2.25 persons per household (per 2010 Census)
2. **Transportation:** Single-family (210) 0.77 AM peak hour trip per unit, 1.02 PM peak hour trip per unit, 9.52 daily trips per unit; Condo/Townhomes (230) 0.44 AM peak hour trip per unit, 0.52 PM peak hour trip per unit, 5.81 daily trips per unit; ITE Trip Generation Manual, 9th Edition
3. **Sanitary Sewer:** 160 gallons per day per Equivalent Residential Unit
4. **Potable Water:** 180 gallons per day per Equivalent Residential Unit
5. **Solid Waste:** 3.21 pounds per person per day
6. **Stormwater Drainage:** LOS standard = 25 year, 24-hour event. Drainage system will be designed to meet the requirements of the Land Development Code.
7. **Rec. & Open Space:**
 - Parkland: 7 acres per 1,000 persons (0.007 acres/person)
 - Ball Fields: 1 field per 5,000 persons (0.0002 ball fields/person)
 - Basketball Courts: 1 court per 4,000 persons (0.00025 basketball courts/person)
 - Multipurpose Fields: 1 field per 3,500 persons (0.0002857 multipurpose fields/person)
 - Tennis Courts: 1 court per 4,000 persons (0.00025 tennis courts/person)
 - Neighborhood Centers: 1 facility per 15,000 persons (0.0000666 neighborhood centers/person)

Water and Sewer

The City has available sanitary sewer and potable water capacity to accommodate the proposed 217 lot subdivision. All lots will be provided with stub-outs for utilities. The developer will construct potable water and sanitary sewer lines in accordance with the Land Development Code and the utility plan for this project. Irrigation will be provided through private wells.

Stormwater Drainage

The City's adopted level-of-service standard for stormwater drainage requires that all new retention/detention facilities be able to treat the runoff from a 25-year, 24-hour storm event and convey the runoff from a 100-year, 24-hour storm event without causing flooding or pollution of receiving water bodies. In addition, there must be no net loss of stormwater retention function as a result of development; therefore, the subdivision property must have the same ability to store and discharge water after development as it does before development occurs.

The stormwater treatment system for the single-family portion of this subdivision consists of four wet detention ponds and one dry retention pond. The townhome portion of this subdivision includes one wet detention pond, and two interconnected dry retention ponds. The system ultimately discharges to Spruce Creek, a nutrient impaired and Outstanding Florida Waterbody (OFW). The Applicant has demonstrated that the system is designed to meet the OFW and nutrient discharge criteria. The system is designed to attenuate the post-development peak rate of discharge to pre-development levels for the 25-year 24-hour storm event.

Recreation and Open Space

The City's adopted level-of-service for recreational facilities includes acreage of parkland, and number of ball fields, basketball courts, multi-purpose fields, tennis courts, and neighborhood centers. According to the City's 2016 Concurrency Management Report, the City is not deficient in any of the recreational facilities

categories and there are sufficient facilities to support the anticipated additional population¹ from this subdivision.

School Capacity

The Volusia County School District determined that the adopted level-of-service will be met and capacity exists in the schools for the estimated students (eighty-three full time students) to be generated by the proposed development (see Exhibit A).

Transportation

According to the Woodhaven, Phase 1, Traffic Impact Analysis (TIA) prepared by Lassiter Transportation Group, Inc., the 178 single-family homes and 93 townhomes are expected to generate 209 AM peak-hour, 275 PM peak-hour trips, and 2,767 daily trips.

The TIA indicates that all intersections identified in the TIA study area that would be impacted by this development will operate within the adopted Level-of-Service standards with the traffic generated from the proposed subdivision, subject to the developer coordinating with Volusia County to adjust the signal timing at the intersection of Williamson Boulevard at Airport Road and Williamson Boulevard at Taylor Road. The TIA also anticipates that in 2022, the 2-lane segment of Williamson Boulevard from Beville Road to Town West Boulevard could exceed capacity if the road is not widened to 4-lanes similar to the other segments of Williamson Boulevard (except Hand Avenue to LPGA) and the 2-lane segment of Taylor Road between Crane Lakes Road and Summer Trees Road could exceed its capacity if not widened to 4-lanes. Because the improvements are on roadways maintained by Volusia County, the developer will be required to obtain concurrency certification from the County and may be subject to proportionate fair-share agreements and/or other mitigation strategies with the County. If required, proof of concurrency certification from the County will need to be provided prior to approval of the Woodhaven Subdivision (Phase 1).

CONSISTENCY WITH THE COMPREHENSIVE PLAN

The proposed subdivision is consistent with the Woodhaven PUD Master Development Plan and Conceptual Development Plan that have already been determined to be consistent with the City's Comprehensive Plan. The overall Woodhaven PUD allows for a maximum of 1,338 dwelling units.

SUBDIVISION VARIANCE

The Land Development Code (LDC) requires townhouse and multifamily developments to provide one standard dumpster pad and enclosed collection point for every 20 residential units or a trash compactor sufficient in size to serve the entire development [LDC, Chapter 11, Section 7(a)]. This requirement was added to the LDC in 2011² due to some staff concerns about possible visual clutter from the number of individual trash cans on smaller townhome lots (18'-wide) and inefficient solid waste collection service. However, this has not turned out to be an actual problem in existing Port Orange

¹ The 2.25 persons per household ratio for the City of Port Orange (per 2010 Census) would theoretically yield an estimated population of 610 people.

² Ordinance 2011-27

developments or in other cities with developments similar to the proposed townhomes, but because it is an LDC requirement the Applicant must request a variance to permit an alternative approach.

The applicant has requested a subdivision variance to allow the townhome portion of this subdivision to be developed with individual curbside solid waste disposal rather than with the required trash compactor or dumpsters. Pursuant to LDC, Chapter 5, Section 8(b)(2) a variance may be requested from required improvements or design criteria. The variance may be granted by the City Council, upon recommendation of the Planning Commission.

Chapter 5, Section 8(b)(4) of the LDC, lists the review criteria used to determine whether a subdivision variance request should be granted. For a subdivision variance to be approved the following criteria may be considered.

1. *Topographic or other physical conditions exist which are peculiar to the site and not a result of the actions of the applicant.*

The requirement to provide one standard dumpster pad and enclosed collection point for every 20 residential units or a trash compactor for a townhome development is based on the 18 – 20 foot wide townhome lots size allowed in the LDC. The lots sizes provided for the proposed townhomes in this development are generally 30 feet wide. The wider lot width creates a layout that functions more like detached single-family home development as opposed to a multi-family development. However, the requested variance is ultimately a matter of design choice and is not based on topographic or other physical conditions.

2. *Literal interpretation of this code would result in unnecessary and undue hardship on the applicant.*

This proposed project is designed for a maximum of four units per building with each fee-simple lot having a two-car garage and full width driveway. According to the Applicant, the townhomes are more similar to detached single-family homes as opposed to a multi-family development. The Developer has constructed this exact product in the Plantation Bay community in Ormond Beach. A photograph of the streetscape on garbage collection day in that development was provided by the Applicant (see Figure 3) to display the lack of objectionable clutter. Also, a letter from the City's solid waste service provider, Waste-Pro, has been provided indicating a willingness and ability to provide curbside pick-up service in this neighborhood similar to a single-family development.

Figure 3. Plantation Bay Townhomes on Garbage Day



3. *Required services are already available to proposed lots without the construction of additional improvements.*

All required public utilities and services can be provided to all proposed lots through the proposed subdivision design. A letter from the City's solid waste service provider, Waste-Pro, has been provided indicating a willingness and ability to provide curbside pick-up service in this neighborhood similar to a single-family development.

4. *Levels of service can be reasonably provided through the site development plan review process or residential site plan review process for individual lots.*

The applicant will be able to provide the required services and meet the Level of Service standards for all homes in the subdivision through the proposed subdivision design.

5. *Other methods can be arranged to assure construction of improvements, eliminating the need for formal subdivision approval.*

The Applicant is not requesting a variance from the subdivision review process. The request is to be allowed to utilize curbside pick-up service for solid waste disposal rather than dumpsters or a trash compactor, so this criterion is not applicable to this request.

6. *The granting of a variance is consistent with the overall intent of this code, and will not be injurious to the surrounding properties or detrimental to the public welfare.*

The intent of the Chapter 11 requirements of the LDC are to meet the level-of-service (LOS) requirements of the Comprehensive Plan and to provide adequate service capacities for individual projects. The solid waste LOS standard adopted in the Comprehensive Plan for residential development is: 3.21 pounds per capita per

day and up to 1,350 residential units per curbside collection vehicle. A letter from the City's solid waste service provider, Waste-Pro, has been provided indicating a willingness and ability to provide curbside pick-up service in this neighborhood similar to a single-family development.

The specific requirement for townhomes developments to provide dumpsters every 20 residential units or a trash compactor was added to the LDC due to some staff concerns about possible visual clutter from the number of individual trash cans on smaller townhome lots (18'-wide) and inefficient solid waste collection service. However, this has not turned out to be an actual problem in existing Port Orange developments or in other cities with developments similar to the proposed townhomes. The lots sizes provided for the proposed townhomes in this subdivision are generally 30 feet wide. The wider lot width creates a layout that function more like detached single-family home development as opposed to a multi-family development.

The granting of the requested variance will allow for the adequate provision of solid waste disposal and will not be injurious to the surrounding properties or detrimental to the public welfare.

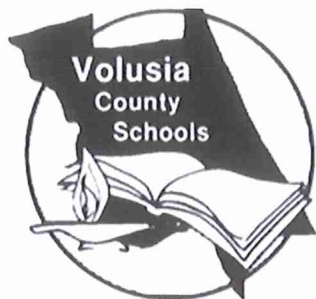
Based on the review criteria above, staff recommends approval of the subdivision variance to allow the townhome portion of this subdivision to be developed with individual curbside solid waste disposal rather than with the required trash compactor or dumpsters.

RECOMMENDATION

Staff recommends approval of the final plat and plans for Woodhaven Phase I, subject to receipt of a Traffic Concurrency Certification from Volusia County and approval of the subdivision variance to waive the requirement to provide a trash compactor or dumpsters in the townhome portion of the development.

ATTACHMENTS

- Exhibit A – School District Letter
- Exhibit B – Plat for Woodhaven Phase I
- Exhibit C – Plans for Woodhaven Phase I



James T. Russell
Superintendent of Schools

FACILITIES SERVICES

3750 Olson Drive, Daytona Beach, Florida 32124
PHONE: 386/734-7190 FAX: 386/506-5056

School Board of Volusia County

Mrs. Ida D. Wright, Chairman
Mrs. Melody Johnson, Vice-Chairman
Mrs. Linda Costello
Mrs. Linda Cuthbert
Dr. John Hill

15 June, 2016

Owner:
CC Woodhaven LLC by CC North Central LLC.

Agent:
Richard D. Smith
ICI Homes
2379 Beville Road
Daytona Beach, FL 32119

**RE: Woodhaven Phase 1a & 1b
School Concurrency Case #16-06-13-001-R**

Dear Mr. Smith:

School district staff has reviewed the project information for the proposed residential project known as Woodhaven Phases 1a & 1b. The ± 119.6 acre site is located near South Williamson Boulevard and I-95. The information provided in the application packet, site plan, and dwelling unit worksheet indicates the development of a 271 total dwelling unit single family detached and town home complex to be completed in one phase.

By utilizing the School District's student generation rates of (.305) for single family dwelling unit types; the project could generate eighty three (83) full time students. The table below contains the impacted school concurrency areas (CSA) and their associated capacity information.

Schools	Adopted LOS	SY15/16 Enrollment	Reserved Capacity	% of Permanent Capacity	Planned Capacity On site	Students Generated by Request	Change to LOS
Cypress Creek Elementary	115%	783	38	109%	N	35	114%
Creekside Middle School	115%	1206	20	108%	N	22	110%
Halifax High School CSA	120%	7450	155	100%	N	24	100%
Other						2	

Woodhaven Phase 1a & 1b
15 June, 2016

This addition of students is not projected to increase the school capacity beyond current adopted LOS percentages. At this time the impacted school concurrency areas are operating at or below the adopted level of service standards; for that reason, the school district does not have an objection to the proposed subdivision.

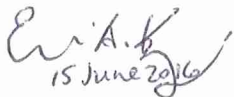
However, due to growth and development in the region there is an expectation that both Creekside Middle and Cypress Creek Elementary will exceed the LOS standard in the near future. Adjacent planning areas are also constrained at the elementary and middle school levels. A finding which illustrates an increase in school utilization beyond adopted level of service necessitates a mitigation agreement. Upcoming development will likely need to plan for mitigation of school impacts in this region for the near future.

At a minimum advance planning considerations should include both pedestrian and vehicular access, safety, connectivity and buffering. The site plan should indicate sidewalks connecting this subdivision to the surrounding neighborhood thus aiding in the bicycle/ pedestrian connectivity of the site.

Please note that the School Board has the right to adjust the attendance boundaries to balance the student enrollment populations at these area schools. Therefore, students generated from this project may not attend the current assigned schools.

If you should have additional questions or require more information, please feel free to contact me at extension 50810.

Sincerely,



15 June 2016

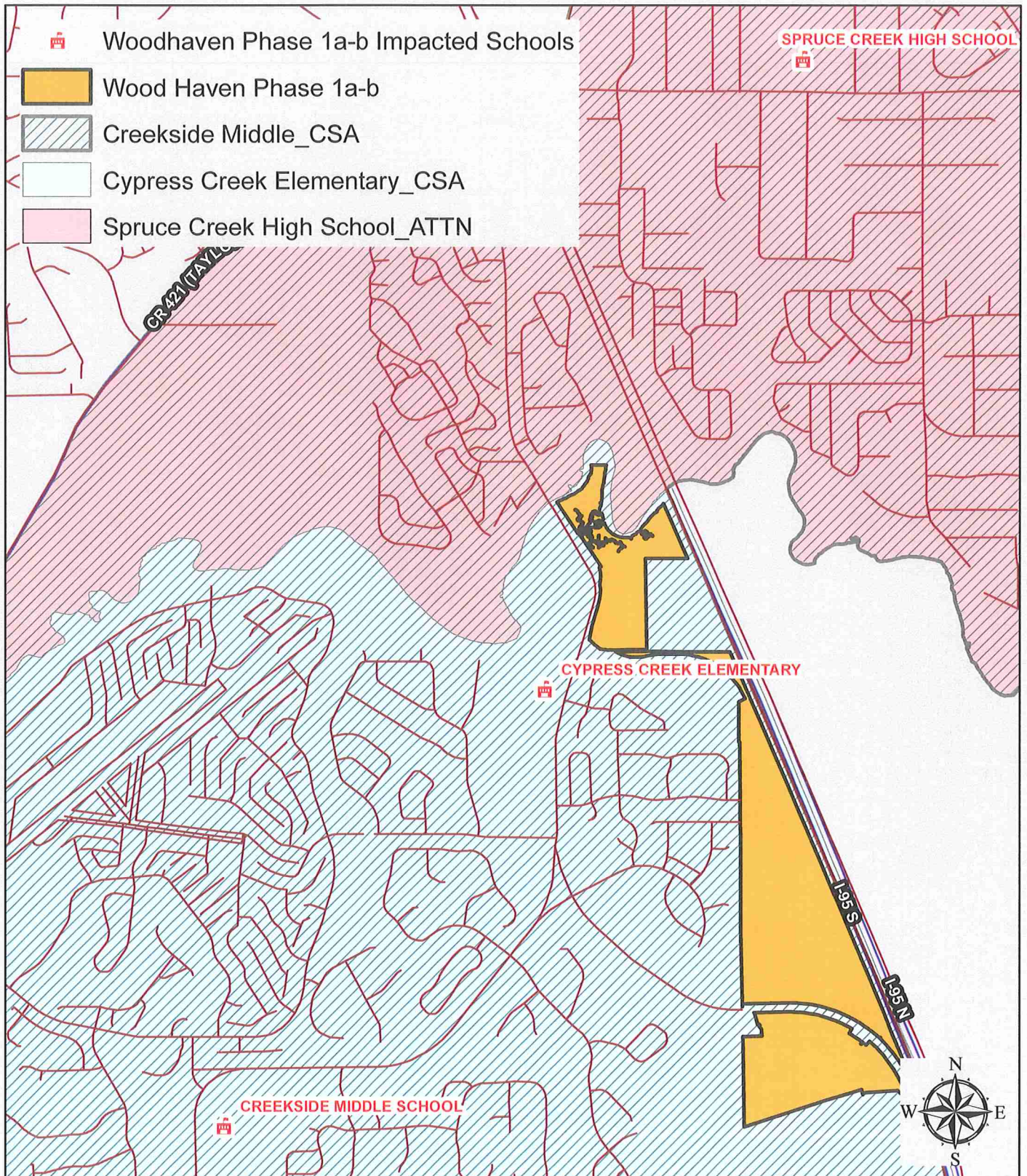
Eric A. Kozielski
Planning & GIS Specialist

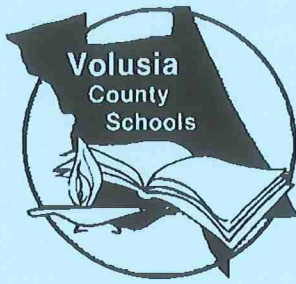
Cc: James Russell, Superintendent of Schools
Penelope Cruz, City of Port Orange
Project File

VCSB Schools Impacted by Development Proposal



Created by Facilities Services
June 2016





Certificate of School Concurrency

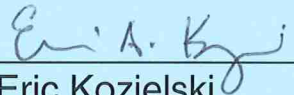
Volusia County School Board

Project Information	
Project Name	Woodhaven Phase 1a & 1b
VCSB Project #	16-06-13-001-R
Jurisdiction Project#	
Parcel ID Numbers:	6329-00-00-0040
Project Location:	South Williamson and I-95
# of residential units:	271
Residential Unit Type:	178 Single family detached, 93 Town Home units
Property Owners:	CC Woodhaven, LLC by CC North Central, LLC.
Applicant/Agent Name:	Richard D. Smith, ICI Homes

School Concurrency Analysis					
Schools:	Elementary	Middle	High	Other	Total Capacity Reserved
Students Generated	35	22	24	2	83
Comments: This certificate is required to be included with the building permit submittal(s) as proof of school concurrency.					

This School Concurrency Certificate shall reserve capacity for the above referenced project and shall confirm that said project meets the School Concurrency requirements of the adopted Interlocal Agreement for Public School Facility Planning.

This concurrency reservation shall expire two (2) years from the date of issuance of this certificate.


 Eric Kozielski
 Planning and GIS Specialist

15 June 2016
 Issue Date

REVISED

WOODHAVEN — PHASE 1

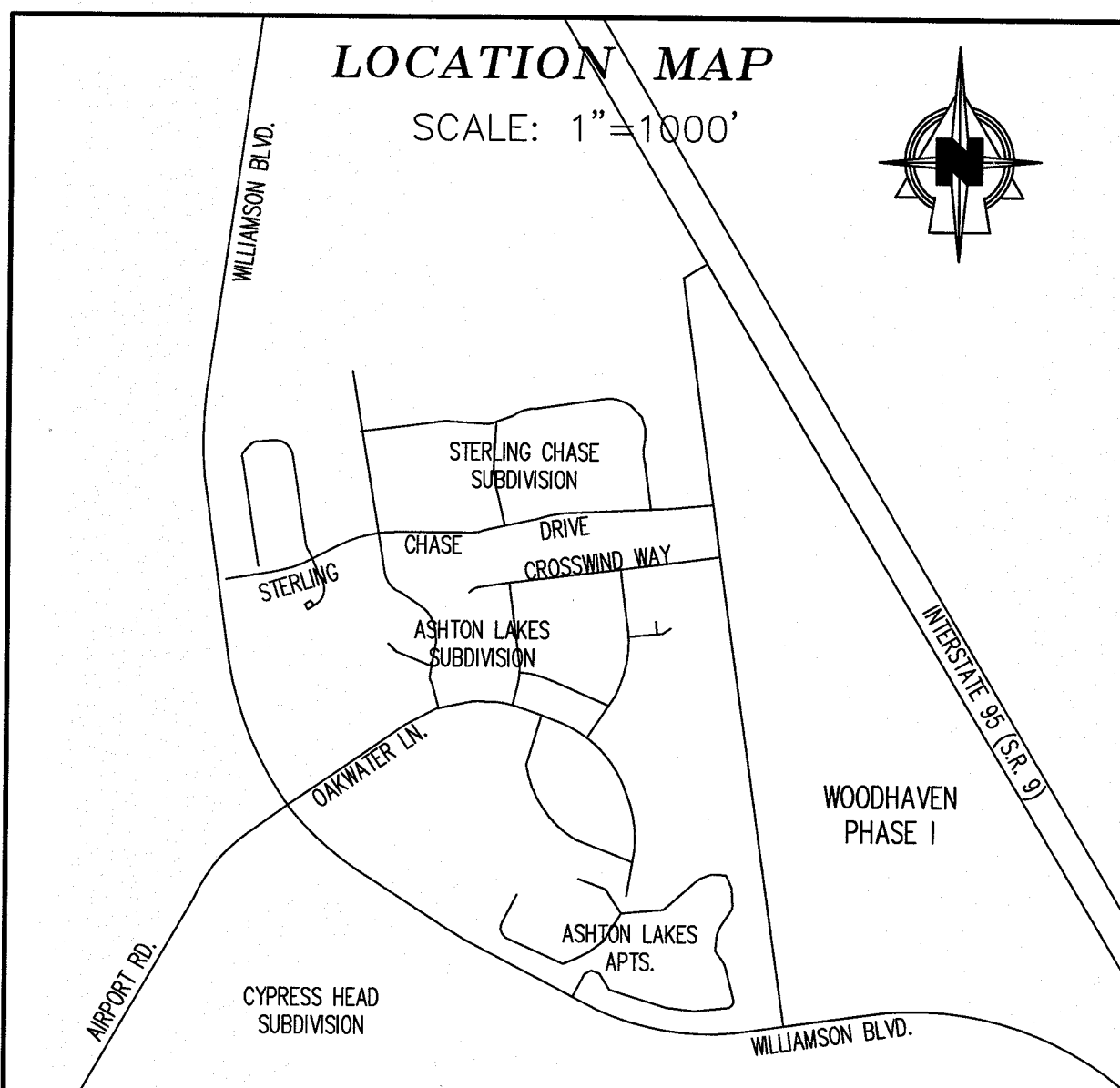
A PORTION OF THE EAST 1/2 OF SECTIONS 29 AND 32, TOWNSHIP 16 SOUTH, RANGE 33 EAST,
CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA

GENERAL NOTES:

- ☐ DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) FOUND 4" X 4" CONCRETE MONUMENT STAMPED "PM LB 3019" UNLESS OTHERWISE SHOWN.
☒ DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) SET 4" X 4" CONCRETE MONUMENT STAMPED "PM LB3019".
☒ DENOTES PERMANENT CONTROL POINT (P.C.P.) STAMPED "PCP LB3019".
+ DENOTES POINT OF CURVATURE.
(N) DENOTES NON-RADIAL LINE RELATIVE TO CURVES.
- NOTICE: THIS PLAT AS RECORDED IN ITS GRAPHIC FORM IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
- DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
- NOTE: ALL MEASUREMENTS REFER TO HORIZONTAL PLANE IN ACCORDANCE WITH THE DEFINITION OF THE U.S. SURVEY FOOT OR METER ADOPTED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY. ALL MEASUREMENTS SHALL USE THE 39.37/12=3.28083333333333 EQUATION FOR CONVERSION FROM A U.S. FOOT TO METERS.
- ACCURACY: THE BOUNDARY LINEAR ERROR OF CLOSURE DOES NOT EXCEED 1:10,000. THE BOUNDARY ANGULAR ERROR OF CLOSURE DOES NOT EXCEED 15 SECONDS MULTIPLIED BY THE SQUARE ROOT OF THE NUMBER OF ANGLES TURNED.
- BEARING STRUCTURE IS ASSUMED WITH THE BEARING ON THE WEST LINE OF THE SOUTHEAST 1/4 SECTION 29, TWP 16S, RGE 33E, BEING N00725'12"W.
- ALL LOT LINES ARE RADIAL UNLESS SHOWN OTHERWISE.
- THIS PLAT IS SUBJECT TO ALL EASEMENTS OF RECORD AND RESERVATIONS OF EASEMENTS, INCLUDING BUT NOT LIMITED TO DRAINAGE AND UTILITY EASEMENTS GRANTED TO THE CITY WHICH SHALL BE LOCATED AS FOLLOWS, EXCEPT AS OTHERWISE NOTED ON THE PLAT: FRONT LOT AND PARCEL LINES (STREET FRONTAGE): 12.00 FEET WIDE.
- UTILITY EASEMENTS PROVIDED ON THIS PLAT INCLUDE EASEMENTS FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES, PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH THE FACILITIES AND SERVICES OF AN ELECTRIC, TELEPHONE, GAS, OR OTHER PUBLIC UTILITY.
- ALL OTHER EASEMENTS ARE SUBORDINATE TO ANY CONSERVATION EASEMENTS DEDICATED HEREON. THERE SHALL BE NO REMOVAL OR DISTURBANCE OF ANY VEGETATION WITHIN SUCH CONSERVATION EASEMENTS. ANY PROPOSED CONSTRUCTION OR OTHER USE WITHIN A CONSERVATION EASEMENT MUST BE REVIEWED AND APPROVED BY THE CITY OF PORT ORANGE AND ANY OTHER AUTHORITY HAVING JURISDICTION OVER THE CONSERVATION EASEMENT.
- THE TERM "UTILITIES" AS USED ON THIS PLAT SHALL INCLUDE, BUT NOT BE LIMITED TO, SEWER, SECURITY, TELEPHONE, ELECTRIC, CABLE TELEVISION SYSTEMS, POTABLE WATER, RECLAIMED WATER, DRAINAGE STRUCTURES, FIBER OPTIC, TELECOMMUNICATIONS AND NATURAL GAS.
- ADDITIONAL RESTRICTIONS REGARDING FENCING OF INDIVIDUAL LOTS MAY BE FOUND IN THE DECLARATION OF COVENANTS AND RESTRICTIONS FOR WOODHAVEN HOMEOWNERS ASSOCIATION, INC.
- RESIDENTIAL SITE DEVELOPMENT CRITERIA:
SINGLE FAMILY DETACHED (LOTS 1 THRU 178): MIN. LOT AREA=5,000 SQ. FT.; MIN. LOT WIDTH=50 FEET; MAX. LOT COVERAGE=60%; MIN. OPEN SPACE=40%; BUILDING SETBACKS: SIDE: 5 FEET; FRONT: 20 FEET; REAR: 10 FEET; MAX HEIGHT: 35 FEET.
TWO FAMILY (LOTS 253 & 254 AND LOTS 270 & 271): MIN. LOT AREA=2,800 SQ. FT.; MIN. LOT WIDTH=32 FEET; MAX. LOT COVERAGE=65%; MIN. OPEN SPACE=35%; BUILDING SETBACKS: SIDE: 5 FEET; FRONT: 20 FEET; REAR: 10 FEET; MAX HEIGHT: 35 FEET.
MULTI-FAMILY (LOTS 179 THRU 252 AND 255 THRU 289): MIN. LOT AREA=1,200 SQ. FT.; MIN. LOT WIDTH=18 FEET; MAX. LOT COVERAGE=70%; MIN. OPEN SPACE=30%; BUILDING SETBACKS: SIDE: 10 FEET; FRONT: 20 FEET; REAR: 10 FEET; MAX HEIGHT: 35 FEET.
** APPLIES TO UNITS WITH INDIVIDUAL LOTS UNDER FEE SIMPLE OWNERSHIP.
NOTE: THE CITY OF PORT ORANGE, FLORIDA REQUIRES A 20 FOOT BUILDING SETBACK FROM ANY WETLAND BUFFER LIMITS.
- THE COMMON AREAS SHALL BE SUBJECT TO EASEMENTS AS SHOWN OR DESCRIBED HEREON. THE GRANTING OF SUCH COMMON AREAS IS NOT INTENDED TO GRANT ANY RIGHT TO THE GENERAL PUBLIC.
- ALL LANDSCAPING AND IRRIGATION IN THE COMMON AREAS IS TO BE MAINTAINED BY THE WOODHAVEN HOMEOWNERS ASSOCIATION, INC. OR THE PIONEER COMMUNITY DEVELOPMENT DISTRICT.
- THE ARTICLES OF INCORPORATION FOR WOODHAVEN HOMEOWNERS ASSOCIATION, INC. ARE RECORDED IN OFFICIAL RECORDS BOOK _____, PAGES _____ THROUGH _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
- RETENTION AREAS AND COMMON AREAS ARE GRANTED AS EASEMENTS TO THE CITY OF PORT ORANGE WITH RIGHTS OF ACCESS, INGRESS, AND EGRESS, TOGETHER WITH THE RIGHT TO HARVEST EXCESS STORM WATER / GROUND WATER AS DEEMED APPROPRIATE AT THE DISCRETION OF THE CITY.
- THE DECLARATION OF COVENANTS AND RESTRICTIONS FOR THE WOODHAVEN HOMEOWNERS ASSOCIATION, INC. ARE RECORDED IN OFFICIAL RECORDS BOOK _____, PAGES _____ THROUGH _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AS AMENDED.
- DRAINAGE EASEMENTS SHOWN OR DESCRIBED ON THIS PLAT SHALL BE FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF AND ACCESS TO THE STORMWATER DRAINAGE FACILITIES WITHIN THE BOUNDARIES OF THIS PLAT.
- THE PIONEER COMMUNITY DEVELOPMENT DISTRICT, A LOCAL UNIT OF SPECIAL PURPOSE GOVERNMENT, SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE DRAINAGE SYSTEM SERVING THE AREA WITHIN THE BOUNDARIES OF THIS PLAT, AS DEPICTED ON THE STORMWATER MANAGEMENT PLAN APPROVED FOR THIS DEVELOPMENT BY THE CITY OF PORT ORANGE. FLORIDA SHOULD THE DISTRICT FAIL TO PERFORM THE MAINTENANCE OF THE DRAINAGE AND STORMWATER MANAGEMENT SYSTEMS, THE CITY OF PORT ORANGE SHALL BE ENTITLED TO ENTER UPON THE COMMON AREAS AND DESIGNATED EASEMENT AREAS TO PERFORM MAINTENANCE, REPAIR OR REPLACE THE FACILITIES AND, SHALL HAVE THE RIGHT TO LEND ALL OWNERS OF RECORD IN PROPERTY FOR THE COST OF SUCH MAINTENANCE, REPAIR AND REPLACEMENT, AS DEMAND BY THE CITY TO BE NECESSARY. IN THE EVENT OF TERMINATION, DISSOLUTION, OR FINAL LIQUIDATION OF THE DISTRICT, THE RESPONSIBILITY FOR THE OPERATION AND MAINTENANCE OF THE SURFACE WATER OR STORM WATER MANAGEMENT SYSTEM WILL BE TRANSFERRED TO AND ACCEPTED BY AN ENTITY WHICH COMPLES WITH SECTION 400-42.027, F.A.C. AND BE APPROVED BY THE SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT PRIOR TO SUCH TERMINATION, DISSOLUTION, OR LIQUIDATION.
- THE PIONEER COMMUNITY DEVELOPMENT DISTRICT SHALL BE RESPONSIBLE FOR MAINTAINING ALL PRIVATE ROADS GRANTED TO THE DISTRICT BY THIS PLAT.
- THE PIONEER COMMUNITY DEVELOPMENT DISTRICT MAY IMPOSE AND LEVY TAXES OR ASSESSMENTS, OR BOTH TAXES AND ASSESSMENTS, ON THIS PROPERTY. THESE TAXES AND ASSESSMENTS PAY THE CONSTRUCTION, OPERATION, AND MAINTENANCE COSTS OF CERTAIN PUBLIC FACILITIES AND SERVICES OF THE DISTRICT AND ARE SET ANNUALLY BY THE GOVERNING BOARD OF THE DISTRICT. THESE TAXES AND ASSESSMENTS ARE IN ADDITION TO COUNTY AND OTHER LOCAL GOVERNMENTAL TAXES AND ASSESSMENTS AND ALL OTHER TAXES AND ASSESSMENTS PROVIDED FOR BY LAW.
- THIS PLAT IS SUBJECT TO THE PIONEER COMMUNITY DEVELOPMENT DISTRICT AS ESTABLISHED IN OFFICIAL RECORDS BOOK 5889, PAGE 4447 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
- THIS PLAT IS SUBJECT TO SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT CONSERVATION EASEMENTS AS DESCRIBED IN OFFICIAL RECORDS BOOK _____, PAGE _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
- THIS PLAT IS SUBJECT TO A 30.00 FOOT WIDE GAS LINE EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK 619, PAGE 570 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
- THIS PLAT IS SUBJECT TO A FLORIDA POWER AND LIGHT COMPANY EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK 2880, PAGE 0440 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
- THIS PLAT IS SUBJECT TO A 20.00 FOOT WIDE DRAINAGE/ACCESS/ AND STORMWATER EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK _____, PAGE _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
- THIS PLAT IS SUBJECT TO A MASTER DEVELOPMENT AGREEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 4213, PAGE 1610 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AND AMENDED AS RECORDED IN OFFICIAL RECORDS BOOK 4794, PAGE 4301 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AND SECOND AMENDMENT AND RESTATMENT AS RECORDED IN OFFICIAL RECORDS BOOK 6639, PAGE 1453, OFFICIAL RECORDS OF VOLUSIA COUNTY, FLORIDA.

LEGAL DESCRIPTION (PHASE 1)

A PORTION OF THE EAST 1/2 OF SECTIONS 29 AND 32, TOWNSHIP 16 SOUTH, RANGE 33 EAST, VOLUSIA COUNTY, FLORIDA, BEING MORE PARTICULAR DESCRIBED AS FOLLOWS:
BEGIN AT THE NORTHEAST CORNER OF STERLING CHASE PHASE II, AS RECORDED IN MAP BOOK 44, PAGES 120-122, PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA; THENCE N0025'12"W, ALONG THE WEST LINE OF THE SOUTHEAST 1/4 OF SAID SECTION 29, A DISTANCE OF 579.08 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF MARTIN ROAD AS RECORDED IN O&A BOOK 5378, PAGE 15 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA; THENCE ALONG SAID SOUTHERLY RIGHT OF WAY LINE AND THE EASTERLY EXTENSION THEREOF, N66°36'33"E, 155.82 FEET TO THE WESTERLY RIGHT OF WAY LINE OF INTERSTATE 95 (STATE ROAD 9) AS SHOWN ON FLORIDA STATE ROAD DEPARTMENT RIGHT OF WAY MAP SECTION 79002-2407; THENCE ALONG SAID WESTERLY RIGHT OF WAY LINE, S33°23'27"E, 5184.40 FEET TO THE BEGINNING OF A CURVE, CONCAVE WESTERLY, HAVING A RADIUS OF 11359.30 FEET AND CENTRAL ANGLE OF 07°16'45" WITH A CHORD BEARING S19°45'04"E; THENCE IN A SOUTHERLY DIRECTION ALONG THE ARC OF SAID CURVE, 1443.17 FEET; THENCE DEPARTING SAID WESTERLY RIGHT OF WAY LINE, S77°14'51"W, 40.07 FEET TO THE EASTERLY RIGHT OF WAY LINE OF SOUTH WILLIAMSON BOULEVARD AS RECORDED IN OFFICIAL RECORDS BOOK 7188, PAGE 4820 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND THE BEGINNING OF A NON TANGENT CURVE, CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 11319.30 FEET AND CENTRAL ANGLE OF 02°23'55" WITH A CHORD BEARING N17°19'21"W; THENCE ALONG SAID RIGHT OF WAY LINE AND THE ARC OF SAID CURVE, 473.85 FEET TO THE BEGINNING OF A COMPOUND CURVE, CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 1887.00 FEET AND CENTRAL ANGLE OF 72°13'17" WITH A CHORD BEARING N54°37'57"W; THENCE CONTINUING ALONG SAID RIGHT OF WAY LINE AND ALONG THE ARC OF SAID CURVE, 2391.17 FEET TO THE POINT OF TANGENT; THENCE CONTINUING ALONG SAID RIGHT OF WAY LINE, S89°15'25"W, 639.78 FEET TO THE WEST LINE OF THE NORTHEAST 1/4 OF SAID SECTION 32; THENCE DEPARTING SAID RIGHT OF WAY LINE AND ALONG SAID WEST LINE, N00°44'35"W, 2422.80 FEET TO THE NORTHWEST CORNER OF THE NORTHEAST 1/4 OF SAID SECTION 32, SAID POINT ALSO BEING THE SOUTHWEST CORNER OF THE SOUTHEAST 1/4 OF SAID SECTION 29; THENCE ALONG THE WEST LINE OF SAID SOUTHEAST 1/4 OF SECTION 29, N00°25'12"W, 1322.82 FEET TO THE POINT OF BEGINNING, CONTAINING 5,066,593 SQ. FT. OR 116.31 ACRES, MORE OR LESS.



ACCEPTANCE OF RESERVATIONS:

STATE OF FLORIDA
COUNTY OF VOLUSIA
PIONEER COMMUNITY DEVELOPMENT DISTRICT, A LOCAL UNIT OF SPECIAL PURPOSE GOVERNMENT ORGANIZED AND EXISTING IN ACCORDANCE WITH CHAPTER 180, FLORIDA STATUTES, HEREBY ACCEPTS THE DEDICATIONS OR RESERVATIONS TO SAID DISTRICT AS STATED AND SHOWN HEREON, AND HEREBY ACCEPTS ITS MAINTENANCE OBLIGATIONS FOR SAME AS STATED HEREON, DATED THIS _____ DAY OF _____, 2017.

WITNESS: _____
BY: _____
BY: RICHARD D. SMITH, CHAIR

PLANNING COMMISSION CERTIFICATE OF APPROVAL:

THIS STATEMENT HEREBY CERTIFIES THAT THE PLAT ENTITLED "WOODHAVEN - PHASE 1" WAS APPROVED BY THE PORT ORANGE PLANNING COMMISSION ON _____
BY: _____
CHAIRMAN OF THE PORT ORANGE PLANNING COMMISSION

CITY COUNCIL CERTIFICATE OF APPROVAL

THIS STATEMENT HEREBY CERTIFIES THAT THE PLAT ENTITLED "WOODHAVEN - PHASE 1" WAS APPROVED BY THE PORT ORANGE CITY COUNCIL ON _____
BY: _____
MAYOR OF THE CITY OF PORT ORANGE
ATTEST: _____
CITY CLERK OF THE CITY OF PORT ORANGE

CERTIFICATE OF CLERK

I HEREBY CERTIFY THAT I HAVE EXAMINED THE FOREGOING PLAT AND FIND THAT IT COMPLIES IN FORM, WITH ALL THE REQUIREMENTS OF CHAPTER 177, FLORIDA STATUTES, AND THAT IT WAS FILED FOR RECORD ON _____ AT _____ A.M./P.M.
FILE NO. _____
CLERK OF CIRCUIT COURT
VOLUSIA COUNTY, FLORIDA

REVIEW BY SURVEYOR AND MAPPER FOR THE CITY

I HEREBY CERTIFY TO THE CITY, THAT I HAVE REVIEWED THE FOREGOING PLAT FOR COMPLIANCE WITH THE REQUIREMENTS OF CHAPTER 177, FLORIDA STATUTES, AND THAT I HAVE PROVIDED BOTH THE CITY AND THE SURVEYOR AND MAPPER OF RECORD A LIST OF DEVIATIONS, IF ANY, FROM SUCH REQUIREMENTS.
(SIGNATURE) _____ DATE: _____
GREGG CULLUM, P.S.M. NO.:5095

PLAT BOOK _____ PAGE _____

DEDICATION:
KNOW ALL MEN BY THESE PRESENTS, THAT CC WOODHAVEN, LLC, A FLORIDA LIMITED LIABILITY COMPANY, BEING THE OWNER IN FEE SIMPLE OF THE LANDS SHOWN AND DESCRIBED HEREON AS THE PLAT ENTITLED "WOODHAVEN - PHASE 1", LOCATED IN THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA, HEREBY DEDICATES THE SAID LANDS AND PLAT FOR THE USES AND PURPOSES HEREON EXPRESSED. THE STREET RIGHTS OF WAY SHOWN AS WOODHAVEN VILLAGE DRIVE, EAST FALLSGROVE LANE, WEST FALLSGROVE LANE, HANFIELD DRIVE AND HANFIELD LANE SHALL BE PRIVATE. ALL PRIVATE ROAD RIGHTS OF WAY, AND ALL COMMON AREA PARCELS SHOWN HEREON, ARE GRANTED TO THE PIONEER COMMUNITY DEVELOPMENT DISTRICT, WHICH SHALL BE RESPONSIBLE FOR THE MAINTENANCE THEREOF. ACCESS EASEMENTS OVER AND ACROSS ALL PRIVATE ROADS ARE HEREBY GRANTED TO EACH LOT OWNER FOR INGRESS AND EGRESS. ACCESS EASEMENTS FOR INGRESS AND EGRESS OVER AND ACROSS ALL PRIVATE ROADS AND RIGHTS OF WAY, ARE HEREBY GRANTED TO THE CITY OF PORT ORANGE FOR EMERGENCY VEHICLES AND GOVERNMENT SERVICES PURPOSES. ALL POTABLE WATER, RECLAIMED WATER, FORCE MAIN, SANITARY SEWER MAINS AND THE SANITARY SEWER LIFT STATION CONSTRUCTED WITHIN THE AREA ENCOMPASSED BY THIS PLAT ARE HEREBY DEDICATED TO THE CITY OF PORT ORANGE, FLORIDA. ALL DRAINAGE, MAINTENANCE, ACCESS, UTILITY, EASEMENTS SHOWN OR DESCRIBED ON THE PLAT, UNLESS OTHERWISE INDICATED, ARE GRANTED TO THE CITY OF PORT ORANGE, FLORIDA. ALL CONSERVATION EASEMENTS SHOWN AS ST. JOHNS RIVER WATER MANAGEMENT DISTRICT CONSERVATION EASEMENTS DESCRIBED IN OFFICIAL RECORDS BOOK _____, PAGE _____, PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA ARE GRANTED TO THE CITY OF PORT ORANGE, FLORIDA. TRACTS "A", "B", "C", "D", "E" AND "F" ARE COMMON AREAS AND ARE FOR THE PURPOSES DEPICTED ON THE SUBDIVISION PLANS APPROVED BY THE CITY OF PORT ORANGE, FLORIDA AND ARE GRANTED TO THE PIONEER COMMUNITY DEVELOPMENT DISTRICT. LIFT STATION EASEMENTS ARE GRANTED TO THE CITY OF PORT ORANGE, FLORIDA OVER TRACT "C" AND TRACT "D". THE 40.00 FOOT WIDE FLORIDA POWER & LIGHT COMPANY EASEMENT IS GRANTED TO FLORIDA POWER & LIGHT COMPANY FOR INSTALLATION AND MAINTENANCE OF ELECTRICAL FACILITIES. THE EMERGENCY ACCESS EASEMENTS SHOWN HEREON ARE GRANTED TO THE CITY OF PORT ORANGE, FLORIDA FOR EMERGENCY VEHICLES AND GOVERNMENT SERVICES.

IN WITNESS WHEREOF, CC WOODHAVEN, LLC, A FLORIDA LIMITED LIABILITY COMPANY, HAS CAUSED THESE PRESENTS TO BE SIGNED, SEALED AND ATTESTED TO, BY THE PERSONS NAMED BELOW:

ON THIS _____ DAY OF _____, 20____
WITNESSES: _____
CC WOODHAVEN, LLC
A Florida Limited Liability Company
By: INTERVEST CONSTRUCTION, INC.
A Florida corporation, its Managing Partner
PRINTED NAME: _____
BY: _____
MORTEZA HOSSEINI-KARGAR, PRESIDENT
PRINTED NAME: _____
ATTEST: _____
CHARLENE B. IRLAND
VICE PRESIDENT
PRINTED NAME: _____

STATE OF FLORIDA, COUNTY OF VOLUSIA
THIS IS TO CERTIFY THAT, ON _____, 20____, BEFORE ME, AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGMENTS IN THE STATE AND COUNTY AFORESAID, PERSONALLY APPEARED MORTEZA HOSSEINI-KARGAR AND CHARLENE B. IRLAND, AS PRESIDENT AND VICE PRESIDENT, RESPECTIVELY, OF INTERVEST CONSTRUCTION, INC., A FLORIDA CORPORATION, MANAGING PARTNER OF CC WOODHAVEN, LLC, A FLORIDA LIMITED LIABILITY COMPANY, EXECUTED THE FOREGOING DEDICATION AND SEVERALLY ACKNOWLEDGED THE EXECUTION THEREOF FOR AND ON BEHALF OF SAID CORPORATION AND PARTNERSHIP. THEY (ARE) _____ (ARE NOT) _____ AS IDENTIFICATION AND THEY (HAVE) _____ (HAS NOT) _____ TAKEN OATH. IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL ON THE ABOVE DATE.

NOTARY PUBLIC
STATE OF FLORIDA AT LARGE
MY COMMISSION EXPIRES: _____
TITLE/RANK: _____
COMMISSION NUMBER: _____
SEAL

JOINDER AND CONSENT TO DEDICATION:

THE UNDERSIGNED HEREBY CERTIFIES THAT IT IS THE HOLDER OF MORTGAGES, LIENS, OR OTHER ENCUMBRANCE UPON THE ABOVE DESCRIBED PROPERTY AND THAT THE UNDERSIGNED HEREBY JOINS IN AND CONSENTS TO THE DEDICATION OF THE LANDS DESCRIBED ABOVE BY THE OWNERS THEREOF, AND AGREES THAT ITS MORTGAGES, LIENS OR OTHER ENCUMBRANCES RECORDED IN OFFICIAL RECORDS BOOK _____, PAGE _____, OFFICIAL RECORDS BOOK _____, PAGE _____, AND OFFICIAL RECORDS BOOK _____, PAGE _____, OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, SHALL BE SUBORDINATE TO THE ABOVE DEDICATION.

WITNESSES: _____
BY: _____
A FLORIDA LIMITED LIABILITY LIMITED PARTNERSHIP
PARTNERSHIP, ITS MANAGING PARTNER
BY: _____
A FLORIDA LIMITED LIABILITY COMPANY,
ITS MANAGING PARTNER
PRINTED NAME: _____
BY: _____
VICE PRESIDENT

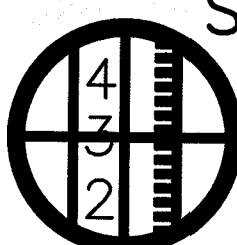
STATE OF FLORIDA, COUNTY OF VOLUSIA
THIS IS TO CERTIFY THAT, ON _____, 20____, BEFORE ME, AN OFFICER DULY AUTHORIZED TO TAKE ACKNOWLEDGMENTS IN THE STATE AND COUNTY AFORESAID, PERSONALLY APPEARED _____, AS VICE PRESIDENT OF _____, LLC, MANAGING PARTNER OF _____, LLC, MANAGING PARTNER OF _____, LLC, A FLORIDA LIMITED LIABILITY LIMITED PARTNERSHIP, EXECUTED THE FOREGOING DEDICATION AND ACKNOWLEDGED THE EXECUTION THEREOF FOR AND ON BEHALF OF SAID COMPANY, HE/SHE (IS) _____ (IS NOT) _____, AS IDENTIFICATION AND HE/SHE (HAS) _____ (HAS NOT) _____ TAKEN OATH. IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL ON THE ABOVE DATE.

NOTARY PUBLIC
STATE OF FLORIDA AT LARGE
MY COMMISSION EXPIRES: _____
TITLE/RANK: _____
COMMISSION NUMBER: _____
SEAL

CERTIFICATE OF SURVEYOR

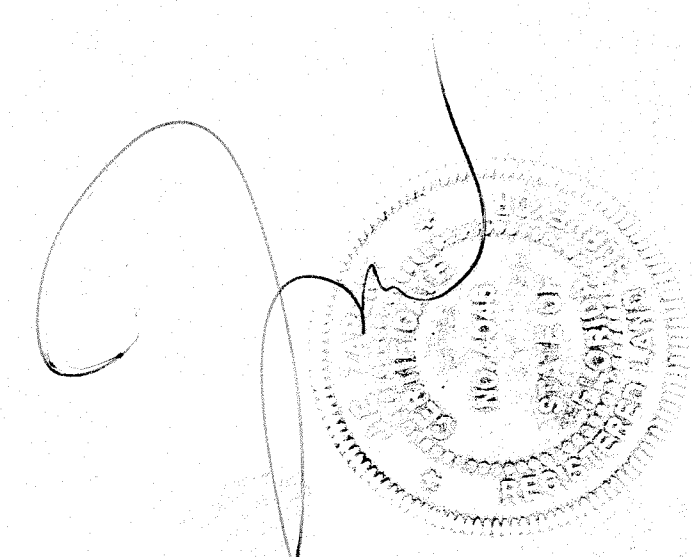
KNOW ALL MEN BY THESE PRESENTS, THAT THE UNDERSIGNED BEING A LICENSED AND REGISTERED SURVEYOR AND MAPPER, DOES HEREBY CERTIFY THAT THE PLAT SHOWN AND DESCRIBED HEREON, ENTITLED "WOODHAVEN - PHASE 1" WAS PREPARED UNDER MY RESPONSIBLE DIRECTION AND SUPERVISION, THAT THE PLAT COMPLIES WITH ALL OF THE SURVEY REQUIREMENTS OF CHAPTER 177, PART 1, FLORIDA STATUTES, THAT ALL MONUMENTATION SHOWN HEREON OR REQUIRED PER CHAPTER 177, FLORIDA STATUTES, HAS BEEN PROPERLY PLACED AND THAT SAID LAND IS IN THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA.

J.E. ZAPERT, P.L.S. NO. 4046 _____ DATE _____
3921 NOVA ROAD
PORT ORANGE, FL. 32127
(386) 761-5385



PREPARED BY:
SLIGER & ASSOCIATES, INC.
PROFESSIONAL LAND SURVEYORS
LICENSED BUSINESS CERTIFICATION #3019
3921 NOVA ROAD
PORT ORANGE, FL. 32127
(386) 761-5385
www.sligerassociates.com
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SHEET 1 OF 7

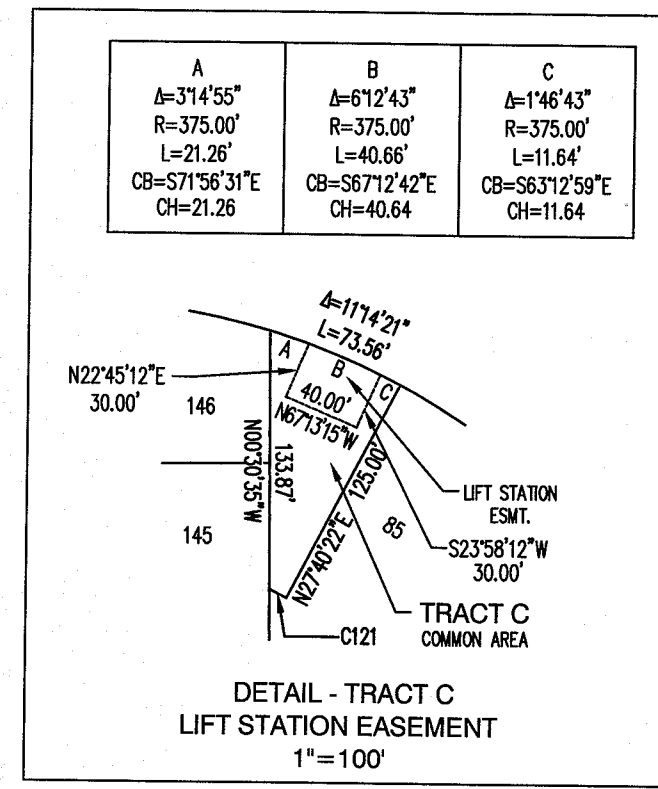
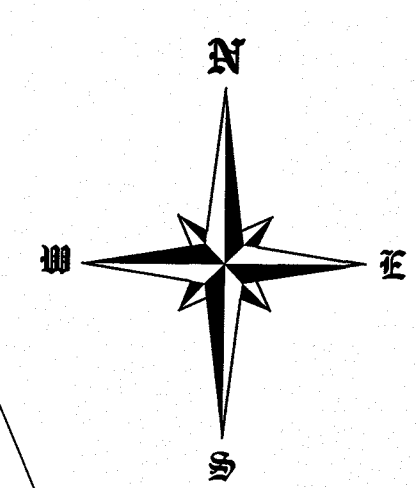
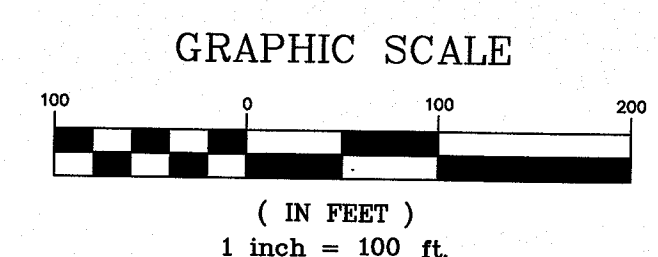


WOODHAVEN — PHASE 1

A PORTION OF THE EAST 1/2 OF SECTIONS 29 AND 32, TOWNSHIP 16 SOUTH, RANGE 33 EAST,
CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA

PLAT BOOK PAGE

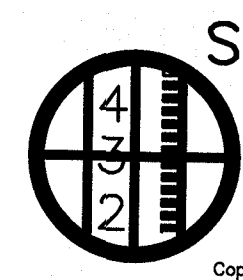
ABBREVIATIONS			
S.E.	STORMWATER EASEMENT	A.E.	ACCESS EASEMENT
D.E.	DRAINAGE EASEMENT	FF&L	FLORIDA POWER & LIGHT COMPANY
U.E.	UTILITY EASEMENT	NR	NOT RADIAL
P.R.M.	PERMANENT REFERENCE MONUMENT	PG	PAVE
R/W	RIGHT OF WAY	C.M.	CONCRETE MONUMENT
SEC	SECTION	D	DELTA
TWP	TOWNSHIP	R	RADIUS
E.S.E.	ELECTRIC SERVICE EASEMENT	L	LENGTH
O.R.B.	OFFICIAL RECORDS BOOK	CB	CHORD BEARING
ESMT.	EASEMENT	CH	CHORD
T.C.E.	TREE CONSERVATION EASEMENT		
E.A.E.	EMERGENCY ACCESS EASEMENT		
SURWMD	SAINT JOHN'S RIVER WATER MANAGEMENT DISTRICT		



CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C1	22°37'34"	50.00	19.74
C2	48°29'58"	50.00	42.32
C3	48°29'58"	50.00	42.32
C4	41°50'59"	50.00	36.52
C5	41°50'59"	50.00	36.52
C6	47°12'16"	50.00	41.19
C7	70°31'44"	25.00	30.77
C8	68°46'03"	25.00	36.75
C9	25°35'46"	425.00	21.73
C10	91°30'13"	25.00	39.83
C11	10°37'32"	250.00	46.36
C12	10°37'32"	250.00	46.36
C13	94°15'37"	250.00	42.32
C14	45°49'44"	425.00	37.05
C15	45°49'44"	555.00	48.39
C16	07°05'43"	2850.00	4.40
C17	07°05'43"	2525.00	4.19
C18	07°15'43"	2475.00	11.31
C19	07°15'43"	2345.00	10.72
C21	21°53'39"	250.00	9.86

LINE TABLE		
LINE	LENGTH	BEARING
L1	25.00	S89°29'25"W
L2	51.33	S89°28'10"W

- GENERAL NOTES:
1. □ DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) FOUND 4" X 4" CONCRETE MONUMENT STAMPED "TRM LB 3019" UNLESS OTHERWISE SHOWN.
 2. NOTICE: THIS PLAT IS RECORDED IN ITS GRAPHIC FORM IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LINES DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLEMENTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
 3. DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
 4. NOTE: ALL MEASUREMENTS REFER TO HORIZONTAL PLANE IN ACCORDANCE WITH THE DEFINITION OF THE U.S. SURVEY FOOT OR METER ADOPTED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY. ALL MEASUREMENTS SHALL USE THE 39.37/12-3.2808333333 EQUATION FOR CONVERSION FROM A U.S. FOOT TO METERS.
 5. ACCURACY: THE BOUNDARY LINEAR ERROR OF CLOSURE DOES NOT EXCEED 1:10,000. THE BOUNDARY ANGULAR ERROR OF CLOSURE DOES NOT EXCEED 15 SECONDS MULTIPLIED BY THE SQUARE ROOT OF THE NUMBER OF ANGLES TURNED.
 6. BEARING STRUCTURE IS ASSUMED WITH THE BEARING ON THE WEST LINE OF THE SOUTHEAST 1/4 SECTION 29, TWP 16S, R33E, BEING N00°25'12"W.
 7. ALL LOT LINES ARE RADIAL UNLESS SHOWN OTHERWISE.
 8. THIS PLAT IS SUBJECT TO ALL EASEMENTS OF RECORD AND RESERVATIONS OF EASEMENTS, INCLUDING BUT NOT LIMITED TO DRAINAGE AND UTILITY EASEMENTS GRANTED TO THE CITY WHICH SHALL BE LOCATED AS FOLLOWS, EXCEPT AS OTHERWISE NOTED ON THE PLAT: FRONT LOT AND PARCEL LINES (STREET FRONTAGE); 12.00 FEET WIDE.
 9. UTILITY EASEMENTS PROVIDED ON THIS PLAT INCLUDE EASEMENTS FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES, PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH THE FACILITIES AND SERVICES OF AN ELECTRIC, TELEPHONE, GAS, OR OTHER PUBLIC UTILITY.
 10. ALL OTHER EASEMENTS ARE SUBORDINATE TO ANY CONSERVATION EASEMENTS DEDICATED HEREON. THERE SHALL BE NO REMOVAL OR DISTURBANCE OF ANY VEGETATION WITHIN SUCH CONSERVATION EASEMENTS. ANY PROPOSED CONSTRUCTION OR OTHER USE WITHIN A CONSERVATION EASEMENT MUST BE REVIEWED AND APPROVED BY THE CITY OF PORT ORANGE AND ANY OTHER AUTHORITY HAVING JURISDICTION OVER THE CONSERVATION EASEMENT.
 11. THE TERM "UTILITIES" AS USED ON THIS PLAT SHALL INCLUDE, BUT NOT BE LIMITED TO, SEWER, SECURITY, TELEPHONE, ELECTRIC, CABLE TELEVISION SYSTEMS, POTABLE WATER, RECLAIMED WATER, DRAINAGE STRUCTURES, FIBER OPTIC, TELECOMMUNICATIONS AND NATURAL GAS.
 12. ADDITIONAL RESTRICTIONS REGARDING FENCING OF INDIVIDUAL LOTS MAY BE FOUND IN THE DECLARATION OF COVENANTS AND RESTRICTIONS FOR WOODHAVEN HOMEOWNERS ASSOCIATION, INC.
 13. RESIDENTIAL SITE DEVELOPMENT CRITERIA:
SINGLE FAMILY DETACHED (LOTS 1 THRU 178): MIN. LOT AREA=5,000 S.F.; MIN. LOT WIDTH=50 FEET; MAX. LOT COVERAGE=60%; MIN. OPEN SPACE=40%; BUILDING SETBACKS: SIDE: 5 FEET; FRONT: 20 FEET; REAR: 20 FEET; MAX. HEIGHT 35 FEET.
TWO FAMILY (LOTS 253 & 254 AND LOTS 270 & 271): MIN. LOT AREA=2,000 S.F.; MIN. LOT WIDTH=32 FEET; MAX. LOT COVERAGE=65%; MIN. OPEN SPACE=35%; BUILDING SETBACKS: SIDE: 5 FEET; FRONT: 20 FEET; REAR: 10 FEET; MAX. HEIGHT 35 FEET.
MULTI-FAMILY** (LOTS 179 THRU 252 AND 255 THRU 269): MIN. LOT AREA=1,200 S.F.; MIN. LOT WIDTH=18 FEET; MAX. LOT COVERAGE=70%; MIN. OPEN SPACE=30%; BUILDING SETBACKS: SIDE: 10 FEET; FRONT: 20 FEET; REAR: 10 FEET; MAX. HEIGHT 35 FEET.
** APPLIES TO LOTS WITH INDIVIDUAL LOTS UNDER FEE SIMPLE OWNERSHIP.
NOTE: THE CITY OF PORT ORANGE, FLORIDA REQUIRES A 20 FOOT BUILDING SETBACK FROM ANY WETLAND BUFFER LIMITS.
 14. THE COMMON AREAS SHALL BE SUBJECT TO EASEMENTS AS SHOWN OR DESCRIBED HEREON. THE GRANTING OF SUCH COMMON AREAS IS NOT INTENDED TO GRANT ANY RIGHT TO THE GENERAL PUBLIC.
 15. ALL LANDSCAPING AND IRRIGATION IN THE COMMON AREAS IS TO BE MAINTAINED BY THE WOODHAVEN HOMEOWNERS ASSOCIATION, INC. OR THE PIONEER COMMUNITY DEVELOPMENT DISTRICT.
 16. THE ARTICLES OF INCORPORATION FOR WOODHAVEN HOMEOWNERS ASSOCIATION, INC. ARE RECORDED IN OFFICIAL RECORDS BOOK _____, PAGES _____ THROUGH _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
 17. RETENTION AREAS AND COMMON AREAS ARE GRANTED AS EASEMENTS TO THE CITY OF PORT ORANGE WITH RIGHTS OF ACCESS, INGRESS, AND EGRESS, TOGETHER WITH THE RIGHT TO HARVEST EXCESS STORM WATER / GROUND WATER AS DEEMED APPROPRIATE AT THE DISCRETION OF THE CITY.
 18. THE DECLARATION OF COVENANTS AND RESTRICTIONS FOR THE WOODHAVEN HOMEOWNERS ASSOCIATION, INC. ARE RECORDED IN OFFICIAL RECORDS BOOK _____, PAGES _____ THROUGH _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AS AMENDED.
 19. DRAINAGE EASEMENTS SHOWN OR DESCRIBED ON THIS PLAT SHALL BE FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF AND ACCESS TO THE STORMWATER DRAINAGE FACILITIES WITHIN THE BOUNDARIES OF THIS PLAT.
 20. THE PIONEER COMMUNITY DEVELOPMENT DISTRICT, A LOCAL UNIT OF SPECIAL PURPOSE GOVERNMENT, SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE DRAINAGE SYSTEM SERVING THE AREA WITHIN THE BOUNDARIES OF THIS PLAT, AS DEPICTED ON THE STORMWATER MANAGEMENT PLAN APPROVED FOR THIS DEVELOPMENT BY THE CITY OF PORT ORANGE, FLORIDA. SHOULD THE DISTRICT FAIL TO PERFORM THE MAINTENANCE OF THE DRAINAGE AND STORMWATER MANAGEMENT SYSTEMS, THE CITY OF PORT ORANGE SHALL BE ENTITLED TO DIVIDE UPON THE COMMON AREAS AND DESIGNATED EASEMENT AREAS TO PERFORM MAINTENANCE, REPAIR OR REPLACE THE FACILITIES AND, SHALL HAVE THE RIGHT TO LEND ALL OWNERS OF RECORD IN PROPERTY FOR THE COST OF SUCH MAINTENANCE, REPAIR AND REPLACEMENT, AS DEEMED BY THE CITY TO BE NECESSARY. IN THE EVENT OF TERMINATION, DISSOLUTION, OR FINAL LIQUIDATION OF THE DISTRICT, THE RESPONSIBILITY FOR THE OPERATION AND MAINTENANCE OF THE SURFACE WATER OR STORM WATER MANAGEMENT SYSTEM WILL BE TRANSFERRED TO AND ACCEPTED BY AN ENTITY WHICH COMPLEYS WITH SECTION 400-42.027, F.A.C. AND BE APPROVED BY THE SAINT JOHN'S RIVER WATER MANAGEMENT DISTRICT PRIOR TO SUCH TERMINATION, DISSOLUTION, OR LIQUIDATION.
 21. THE PIONEER COMMUNITY DEVELOPMENT DISTRICT SHALL BE RESPONSIBLE FOR MAINTAINING ALL PRIVATE ROADS GRANTED TO THE DISTRICT BY THIS PLAT.
 22. THE PIONEER COMMUNITY DEVELOPMENT DISTRICT MAY IMPOSE AND LEVY TAXES OR ASSESSMENTS, OR BOTH TAXES AND ASSESSMENTS, ON THIS PROPERTY. THESE TAXES AND ASSESSMENTS PAY THE CONSTRUCTION, OPERATION, AND MAINTENANCE COSTS OF CERTAIN PUBLIC FACILITIES AND SERVICES OF THE DISTRICT AND ARE SET ANNUALLY BY THE GOVERNING BOARD OF THE DISTRICT. THESE TAXES AND ASSESSMENTS ARE IN ADDITION TO COUNTY AND OTHER LOCAL GOVERNMENTAL TAXES AND ASSESSMENTS AND ALL OTHER TAXES AND ASSESSMENTS PROVIDED FOR BY LAW.
 23. THIS PLAT IS SUBJECT TO THE PIONEER COMMUNITY DEVELOPMENT DISTRICT AS ESTABLISHED IN OFFICIAL RECORDS BOOK 9888, PAGE 4447 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
 24. THIS PLAT IS SUBJECT TO SAINT JOHN'S RIVER WATER MANAGEMENT DISTRICT CONSERVATION EASEMENTS AS DESCRIBED IN OFFICIAL RECORDS BOOK _____, PAGE _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
 25. THIS PLAT IS SUBJECT TO A 30.00 FOOT WIDE GAS LINE EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK 619, PAGE 570 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
 26. THIS PLAT IS SUBJECT TO A FLORIDA POWER AND LIGHT COMPANY EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK 2880, PAGE 0440 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
 27. THIS PLAT IS SUBJECT TO A 20.00 FOOT WIDE DRAINAGE/ACCESS/ AND STORMWATER EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK _____, PAGE _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
 28. THIS PLAT IS SUBJECT TO A MASTER DEVELOPMENT AGREEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 4263, PAGE 1610 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AND AMENDED AS RECORDED IN OFFICIAL RECORDS BOOK 4294, PAGE 4301 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AND SECOND AMENDMENT AND RESTATMENT AS RECORDED IN OFFICIAL RECORDS BOOK 6938, PAGE 1453, OFFICIAL RECORDS OF VOLUSIA COUNTY, FLORIDA.



PREPARED BY:
SLIGER & ASSOCIATES, INC.
PROFESSIONAL LAND SURVEYORS
LICENSED BUSINESS CERTIFICATION #3019
3921 SOUTH NOVA ROAD
PORT ORANGE, FL 32127
(386) 781-5385
www.sligerassociates.com
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SHEET 2 OF 7

WOODHAVEN - PHASE 1

A PORTION OF THE EAST 1/2 OF SECTIONS 29 AND 32, TOWNSHIP 16 SOUTH, RANGE 33 EAST,
CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA

PLAT BOOK

PAGE

GENERAL NOTES:

1. ☐ DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) FOUND 4" X 4" CONCRETE MONUMENT STAMPED "PRM LB 3019" UNLESS OTHERWISE SHOWN.
2. ☒ DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) SET 4" X 4" CONCRETE MONUMENT STAMPED "PRM LB3019".
3. ☒ DENOTES PERMANENT CONTROL POINT (P.C.P.) STAMPED "PCP LB3019".
4. ☒ DENOTES POINT OF CURVATURE.
5. (NR) DENOTES NON-RADIAL LINE RELATIVE TO CURVES.

2. NOTICE: THIS PLAT AS RECORDED IN ITS GRAPHIC FORM IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.

3. DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.

4. NOTE: ALL MEASUREMENTS REFER TO HORIZONTAL PLANE IN ACCORDANCE WITH THE DEFINITION OF THE U.S. SURVEY FOOT OR METER ADOPTED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY. ALL MEASUREMENTS SHALL USE THE 39.37/12=3.28083333333333 EQUATION FOR CONVERSION FROM A U.S. FOOT TO METERS.

5. ACCURACY: THE BOUNDARY LINEAR ERROR OF CLOSURE DOES NOT EXCEED 1:10,000. THE BOUNDARY ANGULAR ERROR OF CLOSURE DOES NOT EXCEED 15 SECONDS MULTIPLIED BY THE SQUARE ROOT OF THE NUMBER OF ANGLES TURNED.

6. BEARING STRUCTURE IS ASSUMED WITH THE BEARING ON THE WEST LINE OF THE SOUTHEAST 1/4 SECTION 29, TWP 16S, R33E, S33E, BEING N00°25'12"W.

7. ALL LOT LINES ARE RADIAL UNLESS SHOWN OTHERWISE.

8. THIS PLAT IS SUBJECT TO ALL EASEMENTS OF RECORD AND RESERVATIONS OF EASEMENTS, INCLUDING BUT NOT LIMITED TO DRAINAGE AND UTILITY EASEMENTS GRANTED TO ANY PARTY WHICH SHALL BE LOCATED AS FOLLOWS, EXCEPT AS OTHERWISE NOTED ON THE PLAT: FRONT LOT AND PARCEL LINES (STREET FRONTAGE); 12.00 FEET WIDE.

9. UTILITY EASEMENTS PROVIDED ON THIS PLAT INCLUDE EASEMENTS FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES; PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH THE FACILITIES AND SERVICES OF AN ELECTRIC, TELEPHONE, GAS, OR OTHER PUBLIC UTILITY.

10. ALL OTHER EASEMENTS ARE SUBORDINATE TO ANY CONSERVATION EASEMENTS DEDICATED HEREON. THERE SHALL BE NO REMOVAL OR DISTURBANCE OF ANY VEGETATION WITHIN SUCH CONSERVATION EASEMENTS. ANY PROPOSED CONSTRUCTION OR OTHER USE WITHIN A CONSERVATION EASEMENT MUST BE REVIEWED AND APPROVED BY THE CITY OF PORT ORANGE, AND ANY OTHER AUTHORITY HAVING JURISDICTION OVER THE CONSERVATION EASEMENT.

11. THE TERM "UTILITIES" AS USED ON THIS PLAT SHALL INCLUDE, BUT NOT BE LIMITED TO, SEWER, SECURITY, TELEPHONE, ELECTRIC, CABLE TELEVISION SYSTEMS, POTABLE WATER, RECLAIMED WATER, DRAINAGE STRUCTURES, FIBER OPTIC, TELECOMMUNICATIONS AND NATURAL GAS.

12. ADDITIONAL RESTRICTIONS REGARDING FENCING OF INDIVIDUAL LOTS MAY BE FOUND IN THE DECLARATION OF COVENANTS AND RESTRICTIONS FOR WOODHAVEN HOMEOWNERS ASSOCIATION, INC.

13. RESIDENTIAL SITE DEVELOPMENT CRITERIA:
SINGLE FAMILY DETACHED (LOTS 1 THRU 178): MIN. LOT AREA=5,000 S.F.; MIN. LOT WIDTH=50 FEET; MAX. LOT COVERAGE=60%; MIN. OPEN SPACE=40%; BUILDING SETBACKS: SIDE: 5 FEET; FRONT: 20 FEET; REAR: 20 FEET; MAX HEIGHT 35 FEET
TWO FAMILY (LOTS 253 & 254 AND LOTS 270 & 271): MIN. LOT AREA=4,000 S.F.; MIN. LOT WIDTH=32 FEET; MAX. LOT COVERAGE=60%; MIN. OPEN SPACE=30%; BUILDING SETBACKS: SIDE: 5 FEET; FRONT: 20 FEET; REAR: 10 FEET; MAX HEIGHT 35 FEET
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* APPLIES TO LOTS WITH INDIVIDUAL LOTS UNDER TREE-SHARE OWNERSHIP
NOTE: THE CITY OF PORT ORANGE, FLORIDA REQUIRES A 20 FOOT BUILDING SETBACK FROM ANY WETLAND BUFFER LIMITS

14. THE COMMON AREAS SHALL BE SUBJECT TO EASEMENTS AS SHOWN OR DESCRIBED HEREON. THE GRANTING OF SUCH COMMON AREAS IS NOT INTENDED TO GRANT ANY RIGHT TO THE GENERAL PUBLIC.

15. ALL LANDSCAPING AND IRRIGATION IN THE COMMON AREAS IS TO BE MAINTAINED BY THE WOODHAVEN HOMEOWNERS ASSOCIATION, INC. OR THE PIONEER COMMUNITY DEVELOPMENT DISTRICT.

16. THE ARTICLES OF INCORPORATION FOR WOODHAVEN HOMEOWNERS ASSOCIATION, INC. ARE RECORDED IN OFFICIAL RECORDS BOOK _____, PAGES _____ THROUGH _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.

17. RETENTION AREAS AND COMMON AREAS ARE GRANTED AS EASEMENTS TO THE CITY OF PORT ORANGE WITH RIGHTS OF ACCESS, INGRESS, AND EGRESS, TOGETHER WITH THE RIGHT TO HARVEST EXCESS STORM WATER / GROUND WATER AS DEEMED APPROPRIATE AT THE DISCRETION OF THE CITY.

18. THE DECLARATION OF COVENANTS AND RESTRICTIONS FOR THE WOODHAVEN HOMEOWNERS ASSOCIATION, INC. ARE RECORDED IN OFFICIAL RECORDS BOOK _____, PAGES _____ THROUGH _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AS AMENDED.

19. DRAINAGE EASEMENTS SHOWN OR DESCRIBED ON THIS PLAT SHALL BE FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF AND ACCESS TO THE STORMWATER DRAINAGE FACILITIES WITHIN THE BOUNDARIES OF THIS PLAT.

20. THE PIONEER COMMUNITY DEVELOPMENT DISTRICT, A LOCAL UNIT OF SPECIAL PURPOSE GOVERNMENT, SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE DRAINAGE SYSTEM SERVING THE AREA WITHIN THE BOUNDARIES OF THIS PLAT, AS DEPICTED ON THE STORMWATER MANAGEMENT PLAN APPROVED FOR THIS DEVELOPMENT BY THE CITY OF PORT ORANGE, FLORIDA. SHOULD THE DISTRICT FAIL TO PERFORM THE MAINTENANCE OF THE DRAINAGE AND STORMWATER MANAGEMENT SYSTEMS, THE CITY OF PORT ORANGE SHALL BE ENTITLED TO ENTER UPON THE COMMON AREAS AND DESIGNATED EASEMENT AREAS TO PERFORM MAINTENANCE, REPAIR OR REPLACE THE FACILITIES AND, SHALL HAVE THE RIGHT TO LITIGATE ALL OWNERS OF RECORD IN PROPERTY FOR THE COST OF SUCH MAINTENANCE, REPAIR AND REPLACEMENT, AS REQUIRED BY THE CITY TO BE NECESSARY. IN THE EVENT OF TERMINATION, DISSOLUTION, OR FINAL LIQUIDATION OF THE DISTRICT, THE RESPONSIBILITY FOR THE OPERATION AND MAINTENANCE OF THE SURFACE WATER OR STORM WATER MANAGEMENT SYSTEM WILL BE TRANSFERRED TO AND ACCEPTED BY AN ENTITY WHICH COMPLETES WITH SECTION 400-42027, F.A.C. AND BE APPROVED BY THE SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT PRIOR TO SUCH TERMINATION, DISSOLUTION, OR LIQUIDATION.

21. THE PIONEER COMMUNITY DEVELOPMENT DISTRICT SHALL BE RESPONSIBLE FOR MAINTAINING ALL PRIVATE ROADS GRANTED TO THE DISTRICT BY THIS PLAT.

22. THE PIONEER COMMUNITY DEVELOPMENT DISTRICT MAY IMPOSE AND LEVY TAXES OR ASSESSMENTS, OR BOTH TAXES AND ASSESSMENTS, ON THIS PROPERTY. THESE TAXES AND ASSESSMENTS PAY THE CONSTRUCTION, OPERATION, AND MAINTENANCE COSTS OF CERTAIN PUBLIC FACILITIES AND SERVICES OF THE DISTRICT AND ARE SET ANNUALLY BY THE GOVERNING BOARD OF THE DISTRICT. THESE TAXES AND ASSESSMENTS ARE IN ADDITION TO COUNTY AND OTHER LOCAL GOVERNMENTAL TAXES AND ASSESSMENTS AND ALL OTHER TAXES AND ASSESSMENTS PROVIDED FOR BY LAW.

23. THIS PLAT IS SUBJECT TO THE PIONEER COMMUNITY DEVELOPMENT DISTRICT AS ESTABLISHED IN OFFICIAL RECORDS BOOK 5689, PAGE 4447 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.

24. THIS PLAT IS SUBJECT TO SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT CONSERVATION EASEMENTS AS DESCRIBED IN OFFICIAL RECORDS BOOK _____, PAGE _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.

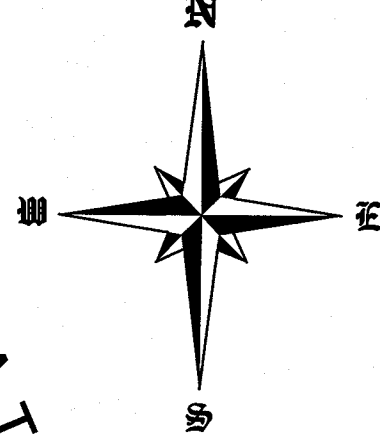
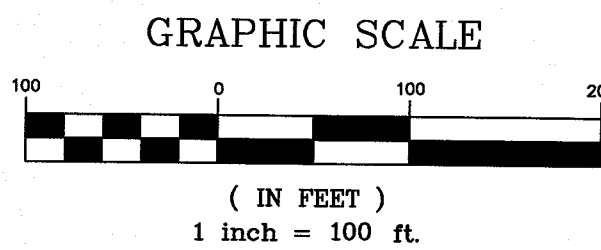
25. THIS PLAT IS SUBJECT TO A 30.00 FOOT WIDE GAS LINE EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK 619, PAGE 570 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.

26. THIS PLAT IS SUBJECT TO A FLORIDA POWER AND LIGHT COMPANY EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK 2980, PAGE 0440 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.

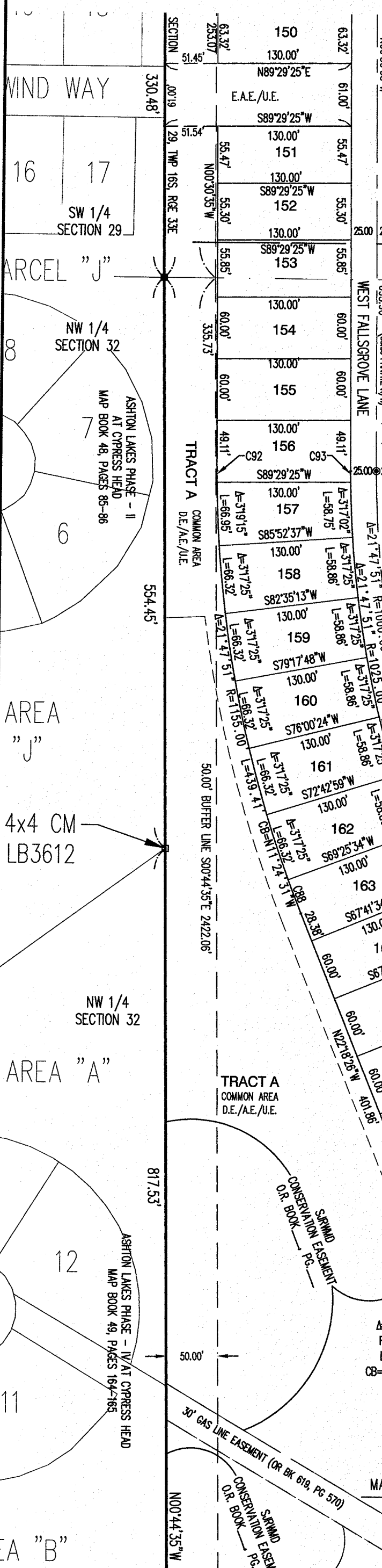
27. THIS PLAT IS SUBJECT TO A 20.00 FOOT WIDE DRAINAGE/ACCESS/ AND STORMWATER EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK _____, PAGE _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.

28. THIS PLAT IS SUBJECT TO A MASTER DEVELOPMENT AGREEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 4213, PAGE 1810 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AND AMENDED AS RECORDED IN OFFICIAL RECORDS BOOK 4794, PAGE 4301 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AND SECOND AMENDMENT AND RESTATEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 6839, PAGE 1453, OFFICIAL RECORDS OF VOLUSIA COUNTY, FLORIDA.

LINE TABLE		
LINE	LENGTH	BEARING
L10	13.47	N22°15'25"W
L11	13.47	S22°15'25"E
L13	64.35	N85°02'21"W
L14	25.00	S04°50'39"W
L15	46.75	N85°02'21"W
L16	64.35	N85°02'21"W
L17	51.13	S36°01'32"E



INTERSTATE 95 (S.R. 9)



CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C20	0°47'50"	2345.00	32.63
C21	1°39'57"	655.00	19.04
C22	0°47'50"	2475.00	34.43
C23	1°39'57"	525.00	15.26
C24	0°17'20"	2558.00	12.73
C25	5°41'34"	475.00	47.20
C26	0°17'20"	2650.00	13.36
C27	5°41'34"	350.00	34.78
C28	7°44'55"	350.00	47.33
C29	7°44'55"	350.00	47.33
C30	7°44'55"	350.00	47.33
C31	7°44'55"	350.00	47.33
C32	5°34'09"	350.00	34.02
C33	7°44'55"	350.00	21.15
C34	12°52'30"	180.00	40.45
C35	2°41'34"	325.00	15.27
C36	4°03'43"	355.00	25.17

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C37	8°35'20"	25.00	36.59
C38	4°34'47"	50.00	41.52
C39	5°05'30"	50.00	51.57
C40	8°34'49"	50.00	73.07
C41	5°43'50"	25.00	24.32
C42	28°08'15"	25.00	12.28
C43	7°45'29"	355.00	48.07
C44	9°10'38"	355.00	56.86
C45	7°07'00"	355.00	44.09
C46	5°05'30"	180.00	185.64
C47	15°41'30"	180.00	49.30
C48	11°18'06"	100.00	19.73
C49	21°04'12"	100.00	36.77
C50	4°59'43"	485.00	42.28
C51	7°07'00"	485.00	60.24
C52	3°24'07"	305.00	18.11
C53	3°24'07"	180.00	10.69

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C54	1°35'48"	450.00	138.20
C55	1°16'17"	450.00	25.69
C56	3°32'39"	450.00	255.60
C57	1°44'01"	1155.00	34.95
C58	1°44'01"	1025.00	31.01
C59	0°24'47"	975.00	7.03
C60	0°24'47"	850.00	6.13
C61	0°17'32"	1155.00	5.89
C62	0°57'51"	975.00	16.41
C63	0°57'51"	850.00	14.30
C64	19°24'27"	30.00	166.16
C65	2°23'52"	225.00	87.96
C66	24°03'05"	355.00	149.02

ABBREVIATIONS			
S.E.	STORMWATER EASEMENT	A.E.	AC
D.E.	DRAINAGE EASEMENT	FP&L	FL
U.E.	UTILITY EASEMENT	NR	NO
P.R.M.	PERMANENT REFERENCE MONUMENT	PG.	PA
R/W	RIGHT OF WAY	C.M.	CM
SEC	SECTION	D	DE
TWP	TOWNSHIP	R	RA
E.S.E.	ELECTRIC SERVICE EASEMENT	L	LE
O.R.B.	OFFICIAL RECORDS BOOK	CB	CB
ESMT.	EASEMENT	CH	CH
T.C.E.	TREE CONSERVATION EASEMENT		
E.A.E.	EMERGENCY ACCESS EASEMENT		
SURVMD	SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT		



PREPARED BY:
SLIGER & ASSOCIATES, INC.
PROFESSIONAL LAND SURVEYORS
LICENSED BUSINESS CERTIFICATION #3019
3921 SOUTH NOVA ROAD
PORT ORANGE, FL 32127
(386) 761-5385

SHEET 3 OF 7

WOODHAVEN — PHASE 1

A PORTION OF THE EAST 1/2 OF SECTIONS 29 AND 32, TOWNSHIP 16 SOUTH, RANGE 33 EAST,
CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA

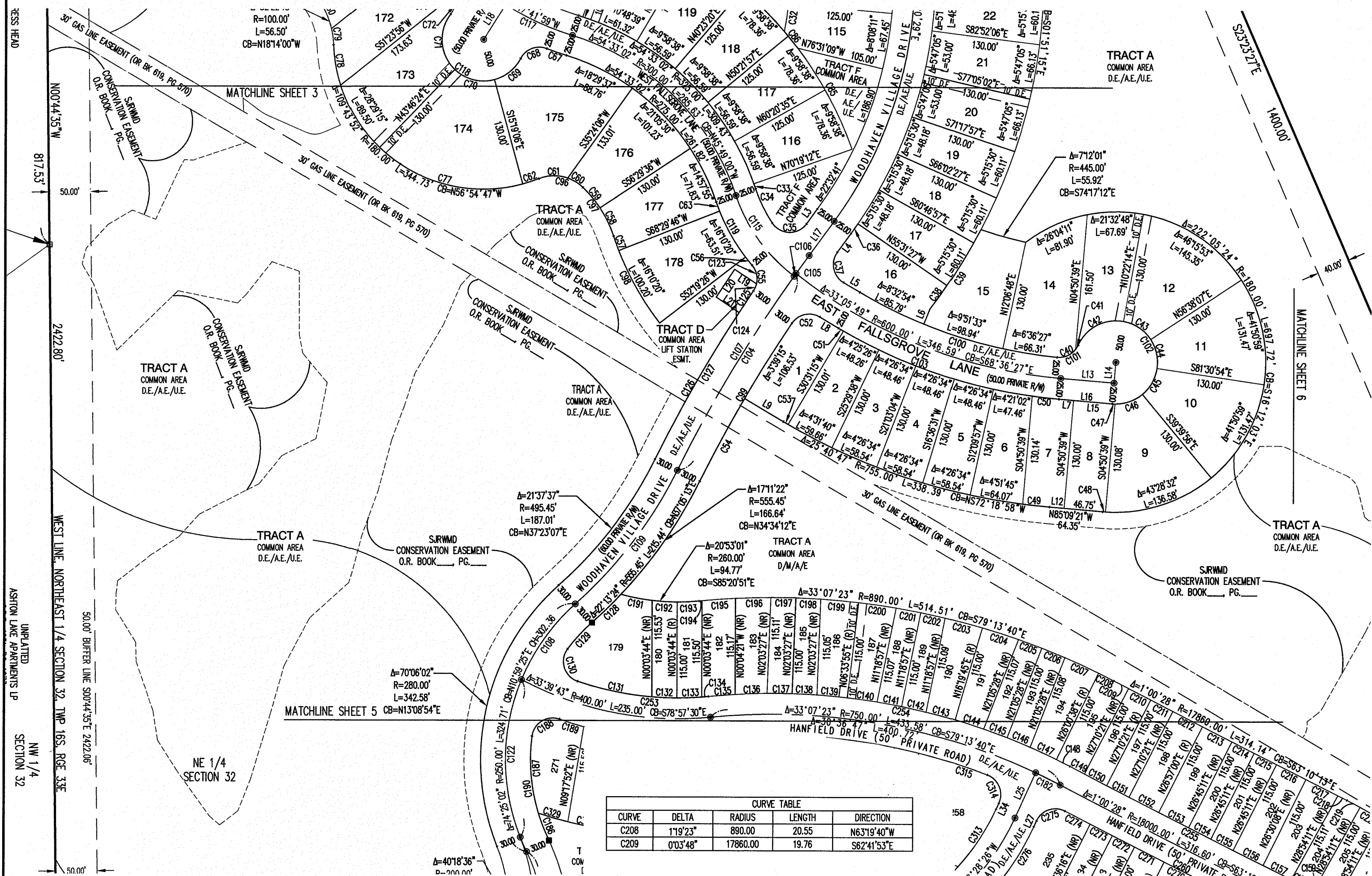
PLAT BOOK

PAGE

GRAPHIC SCALE



(IN FEET)
1 inch = 100 ft.



CURVE	DELTA	RADIUS	LENGTH	DIRECTION
C208	119°23'	890.00	20.55	N65°19'40\"
C209	0°03'48'	17860.00	19.76	S67°41'53\"

LINE	LENGTH	BEARING
L3	22.35	S36°01'32\"
L4	27.87	S36°01'32\"
L9	54.21	N59°28'45\"
L12	17.60	S85°09'21\"
L13	64.35	N85°09'21\"
L14	25.00	S04°50'39\"
L15	46.75	N85°09'21\"
L16	64.35	N85°09'21\"
L17	51.13	N49°58'56\"
L18	49.39	N32°18'20\"
L19	31.89	S56°27'29\"
L20	40.00	N33°32'36\"
L21	33.17	N58°11'00\"
L22	0.39	S01°24'00\"
L23	25.00	S88°36'00\"
L24	24.11	N49°58'56\"
L25	59.48	S24°40'27\"
L26	25.00	N02°16'24\"
L27	7.84	S24°40'27\"
L34	7.83	S24°40'27\"
L35	13.00	N87°43'36\"
L36	40.00	N87°43'36\"
L37	27.40	N87°43'36\"
L38	80.40	N87°43'36\"
L39	80.40	S87°43'36\"

CURVE	DELTA	RADIUS	LENGTH	DIRECTION
C34	150°31\"	175.00	45.89	S26°03'14\"
C35	110°24'28\"	25.00	48.17	S88°46'14\"
C36	1°32'56\"	525.00	14.20	N33°15'22\"
C37	95°30'17\"	25.00	41.67	S11°43'36\"
C38	3°00'06\"	655.00	34.32	N35°58'36\"
C39	9°50'36\"	655.00	112.53	N32°33'21\"
C40	5°53'28\"	25.00	25.26	N66°33'36\"
C41	13°16'10\"	25.00	5.79	N30°58'47\"
C42	78°01'31\"	50.00	68.34	S62°21'28\"
C43	48°15'53\"	50.00	40.37	N52°29'36\"
C44	41°50'59\"	50.00	36.52	N12°28'24\"
C45	41°50'59\"	50.00	36.52	N28°24'35\"
C46	40°47'04\"	50.00	35.59	N70°43'36\"
C47	3°43'02\"	50.00	3.24	S87°00'52\"
C48	13°02'05\"	180.00	3.25	S89°40'27\"
C49	22°21'31\"	755.00	32.41	S87°55'12\"
C50	2°58'17\"	625.00	32.41	S83°40'13\"
C51	0°36'22\"	625.00	6.81	S99°46'45\"
C52	86°37'44\"	25.00	37.80	S77°12'23\"
C53	0°30'08\"	755.00	6.82	S89°43'36\"
C54	3°52'46\"	1670.33	113.10	S28°17'51\"
C55	75°02'37\"	25.00	32.74	S83°25'28\"
C56	3°15'47\"	225.00	12.81	S82°02'12\"
C57	2°57'45\"	355.00	18.36	S20°01'21\"
C58	14°57'55\"	145.00	37.87	N28°01'26\"
C59	12°39'08\"	145.00	32.02	N39°49'58\"
C60	24°37'52\"	50.00	21.49	N58°28'28\"
C61	40°59'19\"	50.00	35.77	S88°42'36\"
C62	8°27'37\"	180.00	20.30	N71°27'05\"
C63	2°57'45\"	225.00	11.63	S82°02'12\"
C67	4°03'43\"	355.00	25.17	S71°03'39\"
C68	83°52'05\"	25.00	36.59	S89°02'10\"
C69	47°34'47\"	50.00	41.52	N50°53'30\"
C70	59°05'30\"	50.00	51.57	S75°46'21\"
C71	83°44'08\"	50.00	73.07	S04°21'31\"
C72	58°43'50\"	25.00	24.32	N09°38'36\"
C77	59°05'30\"	180.00	185.64	N87°43'36\"
C78	15°41'30\"	180.00	49.30	S09°53'36\"
C79	11°18'06\"	100.00	19.73	N07°41'54\"
C85	17°35'48\"	450.00	138.20	N28°28'42\"
C86	3°16'17\"	450.00	25.69	N38°54'44\"
C88	65°37'12\"	50.00	57.28	N78°58'08\"
C87	27°37'03\"	145.00	69.89	N32°21'00\"
C88	19°08'06\"	355.00	118.56	S28°09'52\"

CURVE	DELTA	RADIUS	LENGTH	DIRECTION
C09	7°32'01\"	1670.33	219.62	S30°07'28\"
C10	25°03'55\"	575.00	29.79	S17°59'12\"
C11	71°09'38\"	25.00	31.05	N52°55'11\"
C12	25°03'55\"	50.00	218.60	N30°24'16\"
C13	25°40'47\"	625.00	288.12	S72°16'58\"
C14	9°17'14\"	1700.33	275.61	S30°59'53\"
C15	0°54'04\"	1700.33	26.74	S36°05'32\"
C16	0°07'51\"	1700.33	3.88	S35°34'34\"
C17	9°09'23\"	1700.33	271.73	S30°53'57\"
C18	22°44'11\"	250.00	112.30	S30°19'36\"
C19	22°14'02\"	525.45	203.90	N37°04'55\"
C20	22°23'52\"	225.00	87.96	S29°44'25\"
C21	20°31'31\"	25.00	8.86	N23°50'30\"
C22	1°02'20\"	1730.33	31.38	S33°35'05\"
C23	6°42'51\"	1730.33	202.77	S29°42'28\"
C24	7°45'24\"	1730.33	234.15	S30°13'36\"
C25	5°10'02\"	555.45	48.80	N45°40'45\"
C26	11°10'47\"	220.00	42.93	S42°36'32\"
C27	108°24'51\"	25.00	47.30	S17°11'17\"
C28	13°57'12\"	375.00	91.32	S27°22'18\"
C29	4°35'19\"	375.00	30.03	S87°36'33\"
C30	4°35'19\"	375.00	30.03	N87°46'08\"
C31	1°15'50\"	375.00	8.27	N78°36'46\"
C32	0°07'42\"	775.00	32.17	S85°24'00\"
C33	2°50'43\"	775.00	36.48	S88°00'42\"
C34	21°30'6\"	775.00	30.01	S87°29'23\"
C35	21°30'6\"	775.00	30.00	N87°14'16\"
C36	21°30'6\"	775.00	36.44	N84°46'54\"
C37	24°07'47\"	775.00	36.25	N82°06'42\"
C38	21°30'6\"	775.00	30.01	N79°38'46\"
C39	21°30'6\"	775.00	30.01	N87°25'39\"
C40	23°38'31\"	775.00	35.81	N74°59'40\"
C41	23°38'31\"	775.00	36.02	N72°20'21\"
C42	21°30'6\"	775.00	30.01	N69°53'55\"
C43	21°30'6\"	775.00	30.01	N67°46'48\"
C44	23°43'53\"	775.00	34.92	N65°18'46\"
C45	0°03'50\"	17975.00	20.08	N78°36'46\"
C46	0°05'44\"	17975.00	30.00	S85°46'42\"
C47	0°05'44\"	17975.00	30.00	S85°52'26\"
C48	0°07'42\"	17975.00	40.29	S82°59'09\"
C49	0°07'42\"	17975.00	40.27	S63°06'51\"
C50	0°05'44\"	17975.00	30.00	S63°13'35\"
C51	0°05'44\"	17975.00	30.00	S63°19'19\"
C52	0°07'42\"	17975.00	40.23	S63°28'02\"

CURVE	DELTA	RADIUS	LENGTH	DIRECTION
C157	0°07'17\"	17975.00	38.09	S63°33'31\"
C158	9°07'40\"	220.00	35.05	S27°39'16\"
C159	33°28'41\"	220.00	128.55	S27°28'45\"
C160	82°41'17\"	260.00	38.14	S72°08'25\"
C161	6°37'33\"	260.00	30.07	S86°37'25\"
C162	5°51'11\"	260.00	26.56	N87°08'14\"
C163	2°40'09\"	880.00	42.76	S82°23'50\"
C164	1°55'55\"	880.00	30.01	N89°15'38\"
C165	1°55'55\"	880.00	30.00	N87°19'44\"
C166	2°55'42\"	880.00	45.49	N84°53'56\"
C167	2°56'51\"	880.00	45.78	N81°57'40\"
C168	1°55'54\"	880.00	30.00	N79°31'18\"
C169	1°55'54\"	880.00	30.01	N77°35'24\"
C170	2°57'12\"	880.00	45.58	N75°08'51\"
C171	2°57'12\"	880.00	45.58	N72°12'37\"
C172	1°55'54\"	880.00	30.00	N69°46'14\"
C173	1°55'54\"	880.00	30.01	N67°50'20\"
C174	2°53'01\"	880.00	44.79	N65°25'52\"
C175	0°05'46\"	17860.00	30.00	S82°46'40\"
C176	0°05'46\"	17860.00	30.00	S82°27'27\"
C177	0°05'46\"	17860.00	38.85	S82°29'10\"
C178	0°07'41\"	17860.00	39.88	S82°08'51\"
C179	0°05'46\"	17860.00	30.00	S81°33'34\"
C180	0°05'46\"	17860.00	30.00	S81°19'20\"
C181	0°07'39\"	17860.00	36.72	S81°26'03\"
C182	0°08'16\"	17860.00	42.92	S81°34'00\"
C183	0°02'19\"	17860.00	12.02	S81°39'18\"
C184	0°05'47\"	18025.00	28.88	S81°33'42\"
C185	2°42'40\"	375.00	159.66	S81°25'57\"
C186	33°07'23\"	775.00	448.03	N79°13'40\"
C187	1°00'28\"	17975.00	316.18	S63°10'13\"
C188	0°06'45\"	18025.00	297.57	S63°12'04\"
C189	0°07'38\"	18025.00	40.04	S63°05'28\"
C190	0°05'44\"	18025.00	30.02	S62°38'47\"
C191	0°05'44\"	18025.00	28.88	S62°33'04\"
C192	0°08'31\"	18025.00	34.15	S62°45'57\"
C193	92°35'51\"	25.00	40.40	S70°38'23\"
C194	142°15'56\"	325.00	81.49	N31°51'25\"
C195	171°14'57\"	275.00	82.79	N33°17'56\"
C196	93°56'08\"	25.00	40.99	N22°17'37\"
C197	47°28'00\"	725.00	56.10	N71°28'40\"
C198	35°51'19\"	540.00	36.96	S74°01'46\"

GENERAL NOTES:

1. ☐ DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) FOUND 4" X 4" CONCRETE MONUMENT STAMPED "PM LB 3019" UNLESS OTHERWISE SHOWN.
☒ DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) SET 4" X 4" CONCRETE MONUMENT STAMPED "PM LB3019".
☒ DENOTES PERMANENT CONTROL POINT (P.C.P.) STAMPED "TOP LB3019".
+ DENOTES POINT OF CURVATURE.
(NR) DENOTES NON-RADIAL LINE RELATIVE TO CURVES.
2. NOTICE: THIS PLAT AS RECORDED IN ITS GRAPHIC FORM IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
3. DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
4. NOTE: ALL MEASUREMENTS REFER TO HORIZONTAL PLANE IN ACCORDANCE WITH THE DEFINITION OF THE U.S. SURVEY FOOT OR METER, ADOPTED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY. ALL MEASUREMENTS SHALL USE THE 39.37/12=3.280833333333333 EQUATION FOR CONVERSION FROM A U.S. FOOT TO METERS.
5. ACCURACY: THE BOUNDARY LINEAR ERROR OF CLOSURE DOES NOT EXCEED 1:10,000. THE BOUNDARY ANGULAR ERROR OF CLOSURE DOES NOT EXCEED 15 SECONDS MULTIPLIED BY THE SQUARE ROOT OF THE NUMBER OF ANGLES TURNED.
6. BEARING STRUCTURE IS ASSUMED WITH THE BEARING ON THE WEST LINE OF THE SOUTHEAST 1/4 SECTION 29, TWP 16S, R3E 33E, BEING N00°25'12\"
7. ALL LOT LINES ARE RADIAL UNLESS SHOWN OTHERWISE.
8. THIS PLAT IS SUBJECT TO ALL EASEMENTS OF RECORD AND RESERVATIONS OF EASEMENTS, INCLUDING BUT NOT LIMITED TO DRAINAGE AND UTILITY EASEMENTS GRANTED TO THE CITY WHICH SHALL BE LOCATED AS FOLLOWS, EXCEPT AS OTHERWISE NOTED ON THE PLAT: FRONT LOT AND PARCEL LINES (STREET FRONTAGE); 12.00 FOOT WIDE.
9. UTILITY EASEMENTS PROVIDED ON THIS PLAT INCLUDE EASEMENTS FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES, PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH THE FACILITIES AND SERVICES OF AN ELECTRIC, TELEPHONE, GAS, OR OTHER PUBLIC UTILITY.
10. ALL OTHER EASEMENTS ARE SUBORDINATE TO ANY CONSERVATION EASEMENTS DEDICATED HEREON. THERE SHALL BE NO REMOVAL OR DISTURBANCE OF ANY VEGETATION WITHIN SUCH CONSERVATION EASEMENTS. ANY PROPOSED CONSTRUCTION OR OTHER USE WITHIN A CONSERVATION EASEMENT MUST BE REVIEWED AND APPROVED BY THE CITY OF PORT ORANGE, AND ANY OTHER AUTHORITY HAVING JURISDICTION OVER THE CONSERVATION EASEMENT.
11. THE TERM "UTILITIES" AS USED ON THIS PLAT SHALL INCLUDE, BUT NOT BE LIMITED TO, SEWER, SECURITY, TELEPHONE, ELECTRIC, CABLE TELEVISION SYSTEMS, POTABLE WATER, RECLAIMED WATER, DRAINAGE STRUCTURES, FIBER OPTIC, TELECOMMUNICATIONS AND NATURAL GAS.
12. ADDITIONAL RESTRICTIONS REGARDING FENCING OF INDIVIDUAL LOTS MAY BE FOUND IN THE DECLARATION OF COVENANTS AND RESTRICTIONS FOR WOODHAVEN HOMEOWNERS ASSOCIATION, INC.
13. RESIDENTIAL SITE DEVELOPMENT CRITERIA:
SINGLE FAMILY DETACHED (LOTS 1 THRU 178): MIN. LOT AREA=5,000 S.F.; MIN. LOT WIDTH=50 FEET; MAX. LOT COVERAGE=60%; MIN. OPEN SPACE=40%; BUILDING SETBACKS: SIDE: 5 FEET; FRONT: 20 FEET; REAR: 20 FEET; MAX HEIGHT: 35 FEET
TWO FAMILY (LOTS 253 & 254 AND LOTS 270 & 271): MIN. LOT AREA=2,000 S.F.; MIN. LOT WIDTH=32 FEET; MAX. LOT COVERAGE=65%; MIN. OPEN SPACE=30%; BUILDING SETBACKS: SIDE: 5 FEET; FRONT: 20 FEET; REAR: 10 FEET; MAX HEIGHT: 35 FEET
MULTI-FAMILY (LOTS 179 THRU 252 AND 255 THRU 268): MIN. LOT AREA=1,200 S.F.; MIN. LOT WIDTH=18 FEET; MAX. LOT COVERAGE=70%; MIN. OPEN SPACE=30%; BUILDING SETBACKS: SIDE: 10 FEET; FRONT: 20 FEET; REAR: 10 FEET; MAX HEIGHT: 35 FEET
* APPLICABLE TO LOTS WITH INDIVIDUAL LOTS UNDER THE SAME OWNERSHIP
NOTE: THE CITY OF PORT ORANGE, FLORIDA REQUIRES A 20 FOOT BUILDING SETBACK FROM ANY WETLAND BUFFER LIMITS.
14. THE COMMON AREAS SHALL BE SUBJECT TO EASEMENTS AS SHOWN OR DESCRIBED HEREON. THE GRANTING OF SUCH COMMON AREAS IS NOT INTENDED TO GRANT ANY RIGHT TO THE GENERAL PUBLIC.
15. ALL LANDSCAPING AND IRRIGATION IN THE COMMON AREAS IS TO BE MAINTAINED BY THE WOODHAVEN HOMEOWNERS ASSOCIATION, INC. OR THE PIONEER COMMUNITY DEVELOPMENT DISTRICT.
16. THE ARTICLES OF INCORPORATION FOR WOODHAVEN HOMEOWNERS ASSOCIATION, INC. ARE RECORDED IN OFFICIAL RECORDS BOOK _____, PAGES _____ THROUGH _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
17. RETENTION AREAS AND COMMON AREAS ARE GRANTED AS EASEMENTS TO THE CITY OF PORT ORANGE WITH RIGHTS OF ACCESS, INGRESS, AND EGRESS, TOGETHER WITH THE RIGHT TO HARVEST EXCESS STORM WATER / GROUND WATER AS DEEMED APPROPRIATE AT THE DISCRETION OF THE CITY.
18. THE DECLARATION OF COVENANTS AND RESTRICTIONS FOR THE WOODHAVEN HOMEOWNERS ASSOCIATION, INC. ARE RECORDED IN OFFICIAL RECORDS BOOK _____, PAGES _____ THROUGH _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AS AMENDED.
19. DRAINAGE EASEMENTS SHOWN OR DESCRIBED ON THIS PLAT SHALL BE FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF AND ACCESS TO THE STORMWATER DRAINAGE FACILITIES WITHIN THE BOUNDARIES OF THIS PLAT.
20. THE PIONEER COMMUNITY DEVELOPMENT DISTRICT, A LOCAL UNIT OF SPECIAL PURPOSE GOVERNMENT, SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE DRAINAGE SYSTEM SERVING THE AREA WITHIN THE BOUNDARIES OF THIS PLAT, AS DEPICTED ON THE STORMWATER MANAGEMENT PLAN APPROVED FOR THIS DEVELOPMENT BY THE CITY OF PORT ORANGE, FLORIDA. SHOULD THE DISTRICT FAIL TO PERFORM THE MAINTENANCE OF THE DRAINAGE AND STORMWATER MANAGEMENT SYSTEMS, THE CITY OF PORT ORANGE SHALL BE ENTITLED TO ENTER UPON THE COMMON AREAS AND DESIGNATED EASEMENT AREAS TO PERFORM MAINTENANCE, REPAIR OR REPLACE THE FACILITIES AND SHALL HAVE THE RIGHT TO USE ALL OWNERS OF RECORD IN PROPERTY FOR THE COST OF SUCH MAINTENANCE, REPAIR AND REPLACEMENT, AS DEEMED BY THE CITY TO BE NECESSARY. IN THE EVENT OF TERMINATION, DISSOLUTION, OR FINAL LIQUIDATION OF THE DISTRICT, THE RESPONSIBILITY FOR THE OPERATION AND MAINTENANCE OF THE SURFACE WATER OR STORM WATER MANAGEMENT SYSTEM WILL BE TRANSFERRED TO AND ACCEPTED BY AN ENTITY WHICH COMPLIES WITH SECTION 400.40(2)(7), F.A.C. AND BE APPROVED BY THE SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT PRIOR TO SUCH TERMINATION, DISSOLUTION, OR LIQUIDATION.
21. THE PIONEER COMMUNITY DEVELOPMENT DISTRICT SHALL BE RESPONSIBLE FOR MAINTAINING ALL PRIVATE ROADS GRANTED TO THE DISTRICT BY THIS PLAT.
22. THE PIONEER COMMUNITY DEVELOPMENT DISTRICT MAY IMPOSE AND LEVY TAXES OR ASSESSMENTS, OR BOTH TAXES AND ASSESSMENTS, ON THIS PROPERTY. THESE TAXES AND ASSESSMENTS PAY THE CONSTRUCTION, OPERATION, AND MAINTENANCE COSTS OF CERTAIN PUBLIC FACILITIES AND SERVICES OF THE DISTRICT AND ARE SET ANNUALLY BY THE GOVERNING BOARD OF THE DISTRICT. THESE TAXES AND ASSESSMENTS ARE IN ADDITION TO COUNTY AND OTHER LOCAL GOVERNMENTAL TAXES AND ASSESSMENTS AND ALL OTHER TAXES AND ASSESSMENTS PROVIDED FOR BY LAW.
23. THIS PLAT IS SUBJECT TO THE PIONEER COMMUNITY DEVELOPMENT DISTRICT ESTABLISHED IN OFFICIAL RECORDS BOOK 5689, PAGE 4447 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
24. THIS PLAT IS SUBJECT TO SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT CONSERVATION EASEMENTS AS DESCRIBED IN OFFICIAL RECORDS BOOK _____, PAGE _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
25. THIS PLAT IS SUBJECT TO A 30.00 FOOT WIDE GAS LINE EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK 619, PAGE 570 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
26. THIS PLAT IS SUBJECT TO A FLORIDA POWER AND LIGHT COMPANY EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK 2980, PAGE 0440 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
27. THIS PLAT IS SUBJECT TO A 20.00 FOOT WIDE DRAINAGE/ACCESS/ AND STORMWATER EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK _____, PAGE _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
28. THIS PLAT IS SUBJECT TO A MASTER DEVELOPMENT AGREEMENT AS RECORDED IN OFFICIAL RECORDS BOOK 4053, PAGE 1610 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AND AMENDED AS RECORDED IN OFFICIAL RECORDS BOOK 4794, PAGE 4301 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AND SECOND AMENDMENT AS RECORDED IN OFFICIAL RECORDS BOOK 6638, PAGE 1

PLAT BOOK PAGE

GENERAL NOTES:

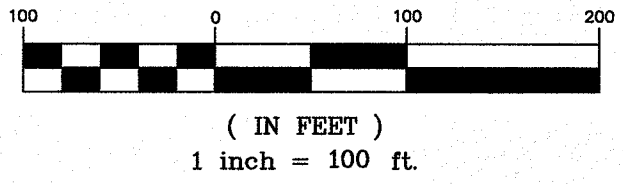
1. □ DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) FOUND 4" X 4" CONCRETE MONUMENT STAMPED "PRM LB 13019" UNLESS OTHERWISE SHOWN.

■ DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) SET 4" X 4" CONCRETE MONUMENT STAMPED "PRM LB3019".

⊙ DENOTES PERMANENT CONTROL POINT (P.C.P.) STAMPED "PCP LB3019".

† DENOTES POINT OF CURVATURE.

(NR) DENOTES NON-RADIAL LINE RELATIVE TO CURVES.



CURVE	CURVE TABLE			
	DELTA	RADIUS	LENGTH	DIRECTION
C218	009°19'	17860.00	12.02	S83°39'18"E
C235	141°19'15"	165.00	4.05	S04°26'11"E
C236	102°54"36"	165.00	30.04	S02°54'26"W
C237	163°58"36"	165.00	4.11	S21°07'42"W
C238	142°19'29"	185.00	4.92	S29°56'16"W
C240	100°59'48"	170.00	30.16	N44°21'56"E
C241	100°59'54"	170.00	30.16	N54°31'47"W
C242	43°33'45"	170.00	25.05	N61°38'36"E
C243	004°35'33"	184.00	12.07	S83°38'00"E
C245	007°16'15"	184.00	38.32	S83°31'56"E
C246	005°41'41"	184.00	30.00	S83°31'46"E
C246	005°41'41"	184.00	30.00	S83°31'46"E
C247	007°36'39"	184.00	40.35	S83°31'50"E
C248	007°30'30"	184.00	39.55	S83°30'52"E
C249	009°41'41"	184.00	30.02	S82°58'57"E
C250	02°02'09"	184.00	116.84	S82°48'52"E
C251	005°41'41"	184.00	28.98	S82°55'16"E
C252	012°37'30"	184.00	66.81	S82°54'07"E
C253	24°23'44"	375.00	159.66	S83°35'32"E
C254	33°07'23"	775.00	440.03	S83°13'40"E
C255	130°28'16"	17975.00	316.15	N79°10'15"W
C260	05°56'45"	18025.00	297.57	S83°12'04"E
C263	02°37'30"	285.00	30.05	N46°24'31"W
C265	63°32'33"	285.00	30.08	N62°27'30"W
C265	81°07'07"	285.00	40.00	N59°24'12"E
C266	02°17'00"	18025.00	13.06	S83°33'02"E
C267	009°37'30"	18025.00	50.45	S83°33'09"E
C268	005°43'45"	18025.00	30.00	S83°25'28"E
C269	005°43'45"	18025.00	30.00	S83°19'45"E
C270	007°36'39"	18025.00	39.86	S83°13'05"E
C271	009°41'41"	18025.00	40.04	S83°05'26"E
C272	005°43'45"	18025.00	30.02	S82°58'44"E
C273	005°43'45"	18025.00	29.98	S82°53'50"E
C274	006°31'31"	18025.00	34.15	S82°46'57"E
C275	92°35'51"	25.00	4.00	S70°58'23"W
C276	142°1'56"	325.00	81.49	N31°51'26"E
C277	33°04'04"	325.00	22.51	N41°01'26"E
C278	33°17'45"	325.00	30.04	N48°39'20"E
C279	33°17'45"	325.00	30.04	N50°17'07"E
C280	52°28'28"	325.00	30.86	N56°25'50"E
C281	52°28'28"	325.00	30.86	N61°43'53"E
C282	51°57'36"	325.00	30.01	N67°04'15"E
C283	51°17'39"	325.00	30.03	N72°22'00"E
C284	64°43'33"	325.00	36.26	N78°23'41"E
C285	63°05'03"	325.00	39.62	N85°10'37"E
C287	87°36'39"	440.00	64.85	N44°08'06"E
C288	35°43'34"	440.00	60.82	N48°16'42"E
C289	35°43'36"	440.00	60.81	N50°13'17"E
C290	63°51'55"	440.00	52.72	N55°36'32"E
C291	63°55'43"	440.00	53.21	N62°30'32"E
C292	35°43'39"	440.00	30.03	N67°55'32"E
C293	35°43'39"	440.00	30.02	N71°50'07"E
C294	63°56'34"	440.00	43.08	N78°35'00"E
C295	52°01'19"	440.00	44.84	N83°19'01"E

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	DIRECTION
C354	10°25'55"	165.00	30.04	S21°29'23"E
C355	15°25'42"	165.00	44.43	S34°25'11"E
C356	13°30'37"	1947.00	51.32	N84°04'07"W
C360	26°31'41"	725.00	335.68	N82°31'31"W
C361	25°10'50"	381.57	186.78	S83°11'25"E
C362	134°24'26"	165.00	387.07	S25°04'11"W
C363	25°21'48"	160.00	70.83	N79°35'41"E
C364	13°20'32"	610.00	142.05	N89°07'06"W
C365	23°45'15"	540.00	223.56	S83°55'44"E

LINE TABLE		
LINE	LENGTH	BEARING
L28	8.66	N83°26'27"W
L29	9.69	N87°43'36"W
L30	1.39	S87°43'36"E
L31	27.67	S87°43'36"E
L32	40.00	S87°43'36"E
L33	11.33	S87°43'36"E
L34	7.83	S24°40'27"W
L35	13.00	N87°43'36"W
L36	40.00	N87°43'36"W
L37	27.40	N87°43'36"W
L38	80.40	S87°43'36"E
L39	80.40	S87°43'36"E

ABBREVIATIONS

S.E.	STORMWATER EASEMENT	A.E.	ACCESS EASEMENT
D.E.	DRAINAGE EASEMENT	FP&L	FLORIDA POWER & LIGHT COMPANY
P.W.	POWER EASEMENT	NR	NOT RADIAL
P.R.M.	PERMANENT REFERENCE MONUMENT	PG.	PAGE
R/W	RIGHT OF WAY	C.M.	CONCRETE UTILITY
SEC	SECTION	D	DELTA
TWP	TOWNSHIP	R	RADIUS
E.S.E	ELECTRIC TWP EASEMENT	L	LENGTH
Q.B.M.	OFFICIAL RECORDS BOOK	CB	CHORD BEARING
EASE.	EASEMENT	CH	CHORD
T.C.E.	TREE CONSERVATION EASEMENT		
E.A.E.	EMERGENCY ACCESS EASEMENT		
SJRWMD	SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT		

SLIGER & ASSOCIATES, INC.
PROFESSIONAL LAND SURVEYORS

3921 SOUTH NOVA ROAD
PORT ORANGE, FL 32127
(386) 761-5385

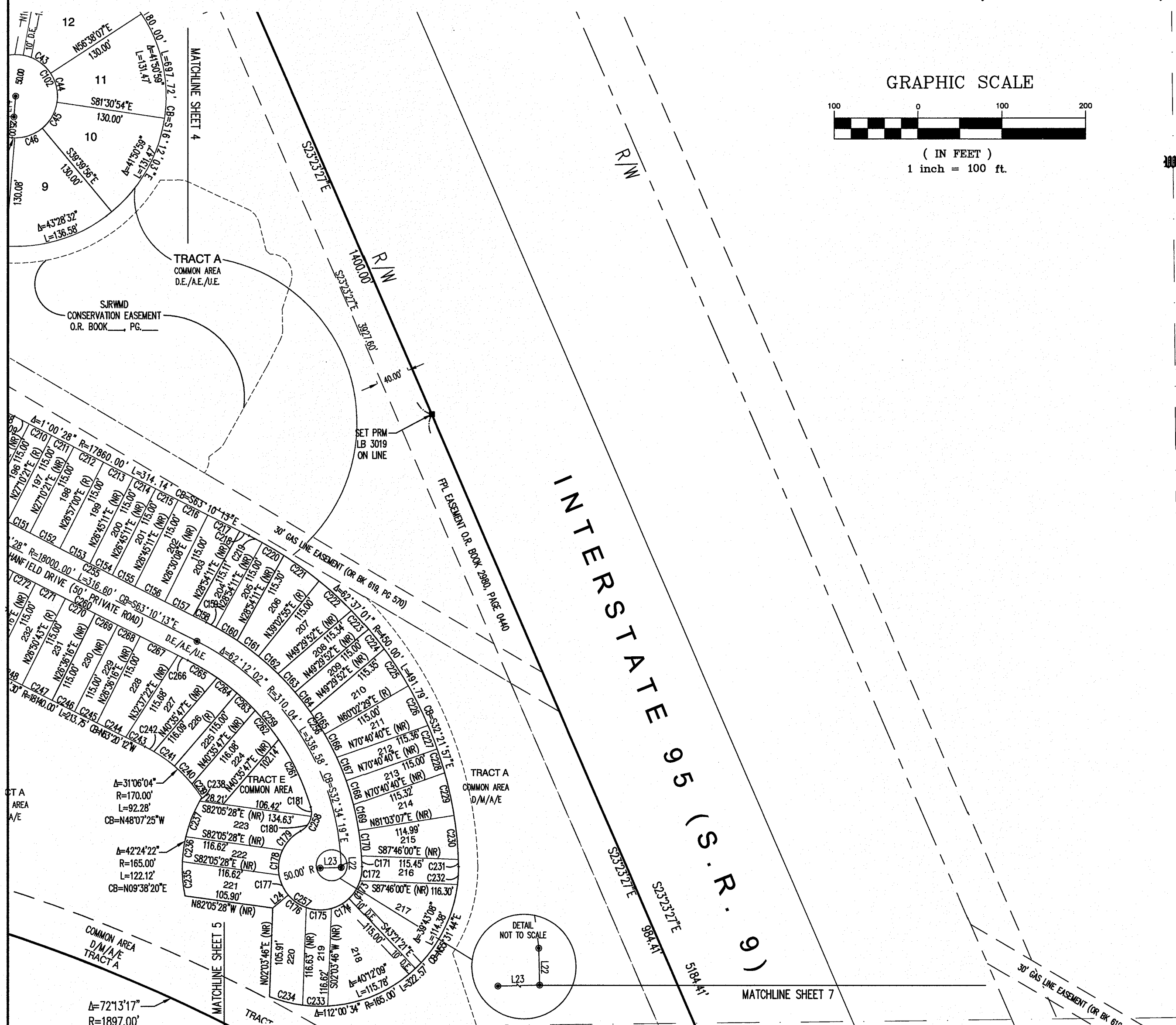
SHEET 5 OF 7

WOODHAVEN — PHASE 1

A PORTION OF THE EAST 1/2 OF SECTIONS 29 AND 32, TOWNSHIP 16 SOUTH, RANGE 33 EAST,
CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA

PLAT BOOK

PAGE



CURVE	DELTA	RADIUS	LENGTH	DIRECTION
C151	0°05'44"	17975.00	30.00	S62°52'26"E
C152	0°07'42"	17975.00	40.29	S62°52'09"E
C153	0°07'42"	17975.00	40.27	S63°06'51"E
C154	0°05'44"	17975.00	30.00	S63°13'35"E
C155	0°05'44"	17975.00	30.00	S63°19'19"E
C156	0°07'42"	17975.00	40.23	S63°26'02"E
C157	0°07'42"	17975.00	38.09	S63°33'51"E
C160	5°08'09"	335.04	30.03	N58°54'38"W
C161	5°23'31"	335.04	31.53	N53°38'49"W
C162	5°20'44"	335.04	31.26	N48°16'41"W
C163	5°08'13"	335.04	30.04	N43°02'13"W
C164	5°08'14"	335.04	30.04	N37°53'59"W
C165	5°22'12"	335.04	31.40	N32°38'46"W
C166	5°21'07"	335.04	31.30	N27°17'05"W
C167	5°08'16"	335.04	30.04	N22°02'24"W
C168	5°08'12"	335.04	30.04	N16°54'10"W
C169	5°22'54"	335.04	31.47	N11°38'37"W
C170	5°15'51"	335.04	30.78	N06°19'14"W
C171	2°13'01"	335.04	12.98	N02°24'48"W
C172	1°48'28"	50.00	17.25	N00°00'28"E
C173	28°45'03"	50.00	25.09	N32°10'07"E
C174	27°57'39"	50.00	24.40	N60°37'28"E
C175	34°56'37"	50.00	30.50	S87°55'24"E
C176	30°26'33"	50.00	28.57	S55°13'48"E
C177	30°27'16"	50.00	28.58	S24°46'54"E
C178	34°54'51"	50.00	30.47	S07°54'10"W
C179	36°25'31"	50.00	31.83	S43°35'51"W
C180	51°10'31"	25.00	22.33	N36°14'50"E
C181	25°32'54"	25.00	11.15	N03°32'39"W
C209	0°03'48"	17860.00	19.76	S62°41'53"E
C210	0°05'46"	17860.00	30.00	S62°46'40"E
C211	0°05'46"	17860.00	30.00	S62°52'27"E
C212	0°07'40"	17860.00	39.85	S62°58'10"E
C213	0°07'41"	17860.00	39.88	S63°05'51"E
C214	0°05'46"	17860.00	30.00	S63°13'34"E
C215	0°05'46"	17860.00	30.00	S63°19'20"E

CURVE	DELTA	RADIUS	LENGTH	DIRECTION
C216	0°07'39"	17860.00	39.72	S63°26'03"E
C217	0°08'16"	17860.00	42.82	S63°34'00"E
C218	0°02'19"	17860.00	12.02	S63°39'18"E
C219	2°17'31"	450.00	18.00	N62°31'42"W
C220	3°49'19"	450.00	30.02	N59°28'17"W
C221	6°36'33"	450.00	51.91	N54°15'21"W
C222	6°39'28"	450.00	52.25	N47°37'30"W
C223	3°49'21"	450.00	30.02	N42°21'15"W
C224	3°49'21"	450.00	30.02	N38°33'54"W
C225	6°41'42"	450.00	52.58	N33°18'22"W
C226	6°42'20"	450.00	52.66	N26°36'21"W
C227	3°49'22"	450.00	30.02	N21°20'31"W
C228	3°49'20"	450.00	30.02	N17°31'09"W
C229	6°39'28"	450.00	52.31	N12°14'41"W
C230	6°46'49"	450.00	53.25	N05°33'29"W
C231	1°08'36"	450.00	8.72	N01°36'45"W
C232	7°24'04"	165.00	21.31	N03°13'29"E
C233	10°26'25"	165.00	30.07	S87°55'59"E
C234	14°14'48"	165.00	41.03	S75°58'23"E
C235	14°15'19"	165.00	41.05	S64°35'11"E
C236	10°25'54"	165.00	30.04	S07°34'25"W
C237	16°00'40"	165.00	46.11	S21°07'42"W
C238	14°27'28"	165.00	4.92	S29°59'16"W
C240	10°09'48"	170.00	30.16	N44°21'56"W
C241	10°09'54"	170.00	30.16	N43°31'47"W
C242	4°03'43"	170.00	12.05	N61°38'35"W
C243	4°03'43"	18140.00	25.75	S63°33'00"E
C244	0°07'16"	18140.00	38.32	S63°31'56"E
C245	0°05'41"	18140.00	30.00	S63°25'28"E
C246	0°05'41"	18140.00	30.00	S63°19'47"E
C247	0°07'39"	18140.00	40.35	S63°13'07"E
C255	1°00'28"	17975.00	39.16	S63°10'13"E
C256	5°21'02"	335.04	33.72	N52°34'19"W
C257	24°34'26"	50.00	212.69	S60°01'19"E
C258	78°08'12"	25.00	34.10	N22°45'30"E
C259	47°21'21"	285.00	235.56	N39°58'46"W

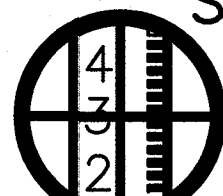
LINE	LENGTH	BEARING
L22	0.39	S01°24'00"E
L23	25.00	S88°36'00"W
L24	24.11	N49°58'56"E

ABBREVIATIONS

S.E.	STORMWATER EASEMENT	A.E.	ACCESS EASEMENT
D.E.	DRAINAGE EASEMENT	F.P.A.L.	FLORIDA POWER & LIGHT COMPANY
U.E.	UTILITY EASEMENT	NR	NOT RADIAL
P.R.M.	PERMANENT REFERENCE MONUMENT	P.G.	PAGE
R/W	RIGHT OF WAY	C.M.	CONCRETE MONUMENT
SEC	SECTION	D	DELTA
TWP	TOWNSHIP	R	RADIUS
E.S.E.	ELECTRIC SERVICE EASEMENT	L	LENGTH
O.R.B.	OFFICIAL RECORDS BOOK	CB	CHORD BEARING
ESMT.	EASEMENT	CH	CHORD
T.C.E.	TRAIL CONSERVATION EASEMENT		
E.A.E.	EMERGENCY ACCESS EASEMENT		
SJRWMD	SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT		

GENERAL NOTES

1. □ DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) FOUND 4" X 4" CONCRETE MONUMENT STAMPED "PRM LB 3019" UNLESS OTHERWISE SHOWN.
■ DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) SET 4" X 4" CONCRETE MONUMENT STAMPED "PRM LB3019".
⊙ DENOTES PERMANENT CONTROL POINT (P.C.P.) STAMPED "PCP LB3019".
⊕ DENOTES POINT OF CURVATURE.
⊖ DENOTES NON-RADIAL LINE RELATIVE TO CURVES.
2. NOTICE: THIS PLAT AS RECORDED IN ITS GRAPHIC FORM IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
3. DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
4. NOTE: ALL MEASUREMENTS REFER TO HORIZONTAL PLANE IN ACCORDANCE WITH THE DEFINITION OF THE U.S. SURVEY FOOT OR METER ADOPTED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY. ALL MEASUREMENTS SHALL USE THE 39.37/12=3.2808333333 EQUATION FOR CONVERSION FROM A U.S. FOOT TO METERS.
5. ACCURACY: THE BOUNDARY LINEAR ERROR OF CLOSURE DOES NOT EXCEED 1:10,000. THE BOUNDARY ANGULAR ERROR OF CLOSURE DOES NOT EXCEED 15 SECONDS MULTIPLIED BY THE SQUARE ROOT OF THE NUMBER OF ANGLES TURNED.
6. BEARING STRUCTURE IS ASSUMED WITH THE BEARING ON THE WEST LINE OF THE SOUTHEAST 1/4 SECTION 29, TWP 16S, R33E, BEING N00°25'12"W.
7. ALL LOT LINES ARE RADIAL UNLESS SHOWN OTHERWISE.
8. THIS PLAT IS SUBJECT TO ALL EASEMENTS OF RECORD AND RESERVATIONS OF EASEMENTS, INCLUDING BUT NOT LIMITED TO DRAINAGE AND UTILITY EASEMENTS GRANTED TO THE CITY WHICH SHALL BE LOCATED AS FOLLOWS, EXCEPT AS OTHERWISE NOTED ON THE PLAT: FRONT LOT AND PARCEL LINES (STREET FRONTAGE): 12.00 FEET WIDE.
9. UTILITY EASEMENTS PROVIDED ON THIS PLAT INCLUDE EASEMENTS FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES; PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH THE FACILITIES AND SERVICES OF AN ELECTRIC, TELEPHONE, GAS, OR OTHER PUBLIC UTILITY.
10. ALL OTHER EASEMENTS ARE SUBORDINATE TO ANY CONSERVATION EASEMENTS DEDICATED HEREON. THERE SHALL BE NO REMOVAL OR DISTURBANCE OF ANY VEGETATION WITHIN SUCH CONSERVATION EASEMENTS. ANY PROPOSED CONSTRUCTION OR OTHER USE WITHIN A CONSERVATION EASEMENT MUST BE REVIEWED AND APPROVED BY THE CITY OF PORT ORANGE AND ANY OTHER AUTHORITY HAVING JURISDICTION OVER THE CONSERVATION EASEMENT.
11. THE TERM "UTILITIES" AS USED ON THIS PLAT SHALL INCLUDE, BUT NOT BE LIMITED TO, SEWER, SECURITY, TELEPHONE, ELECTRIC, CABLE TELEVISION SYSTEMS, POTABLE WATER, RECLAIMED WATER, DRAINAGE STRUCTURES, FIBER OPTIC, TELECOMMUNICATIONS AND NATURAL GAS.
12. ADDITIONAL RESTRICTIONS REGARDING FENCING OF INDIVIDUAL LOTS MAY BE FOUND IN THE DECLARATION OF COVENANTS AND RESTRICTIONS FOR WOODHAVEN HOMEOWNERS ASSOCIATION, INC.
13. RESIDENTIAL SITE DEVELOPMENT CRITERIA:
SINGLE FAMILY DETACHED (LOTS 1 THRU 178): MIN. LOT AREA=5,000 SF.; MIN. LOT WIDTH=50 FEET; MAX. LOT COVERAGE=60%; MIN. OPEN SPACE=40%; BUILDING SETBACKS: SIDE: 5 FEET; FRONT: 20 FEET; REAR: 20 FEET; MAX. HEIGHT: 35 FEET.
TWO FAMILY (LOTS 253 & 254 AND LOTS 270 & 271): MIN. LOT AREA=2,000 SF.; MIN. LOT WIDTH=32 FEET; MAX. LOT COVERAGE=65%; MIN. OPEN SPACE=35%; BUILDING SETBACKS: SIDE: 5 FEET; FRONT: 20 FEET; REAR: 10 FEET; MAX. HEIGHT: 35 FEET.
MULTI-FAMILY** (LOTS 179 THRU 252 AND 255 THRU 269): MIN. LOT AREA=1,200 SF.; MIN. LOT WIDTH=18 FEET; MAX. LOT COVERAGE=70%; MIN. OPEN SPACE=30%; BUILDING SETBACKS: SIDE: 10 FEET; FRONT: 20 FEET; REAR: 10 FEET; MAX. HEIGHT: 35 FEET.
** APPLIES TO UNITS WITH INDIVIDUAL LOTS UNDER FEE SIMPLE OWNERSHIP.
NOTE: THE CITY OF PORT ORANGE, FLORIDA REQUIRES A 20 FOOT BUILDING SETBACK FROM ANY WETLAND BUFFER LIMITS.
14. THE COMMON AREAS SHALL BE SUBJECT TO EASEMENTS AS SHOWN OR DESCRIBED HEREON. THE GRANTING OF SUCH COMMON AREAS IS NOT INTENDED TO GRANT ANY RIGHT TO THE GENERAL PUBLIC.
15. ALL LANDSCAPING AND IRRIGATION IN THE COMMON AREAS IS TO BE MAINTAINED BY THE WOODHAVEN HOMEOWNERS ASSOCIATION, INC. OR THE PIONEER COMMUNITY DEVELOPMENT DISTRICT.
16. THE ARTICLES OF INCORPORATION FOR WOODHAVEN HOMEOWNERS ASSOCIATION, INC. ARE RECORDED IN OFFICIAL RECORDS BOOK _____, PAGES _____ THROUGH _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
17. RETENTION AREAS AND COMMON AREAS ARE GRANTED AS EASEMENTS TO THE CITY OF PORT ORANGE WITH RIGHTS OF ACCESS, INGRESS, AND EGRESS, TOGETHER WITH THE RIGHT TO HARVEST EXCESS STORM WATER / GROUND WATER AS DEEMED APPROPRIATE AT THE DISCRETION OF THE CITY.
18. THE DECLARATION OF COVENANTS AND RESTRICTIONS FOR THE WOODHAVEN HOMEOWNERS ASSOCIATION, INC. ARE RECORDED IN OFFICIAL RECORDS BOOK _____, PAGES _____ THROUGH _____ OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, AS AMENDED.
19. DRAINAGE EASEMENTS SHOWN OR DESCRIBED ON THIS PLAT SHALL BE FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF AND ACCESS TO THE STORMWATER DRAINAGE FACILITIES WITHIN THE BOUNDARIES OF THIS PLAT.
20. THE PIONEER COMMUNITY DEVELOPMENT DISTRICT, A LOCAL UNIT OF SPECIAL PURPOSE GOVERNMENT, SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE DRAINAGE SYSTEM SERVING THE AREA WITHIN THE BOUNDARIES OF THIS PLAT, AS DEPICTED ON THE STORMWATER MANAGEMENT PLAN APPROVED FOR THIS DEVELOPMENT BY THE CITY OF PORT ORANGE, FLORIDA. SHOULD THE DISTRICT FAIL TO PERFORM THE MAINTENANCE OF THE DRAINAGE AND STORMWATER MANAGEMENT SYSTEMS, THE CITY OF PORT ORANGE SHALL BE ENTITLED TO ENTER UPON THE COMMON AREAS AND DESIGNATED EASEMENT AREAS TO PERFORM MAINTENANCE, REPAIR OR REPLACE THE FACILITIES AND, SHALL HAVE THE RIGHT TO LIEN ALL OWNERS OF RECORD IN PROPERTY FOR THE COST OF SUCH MAINTENANCE, REPAIR AND REPLACEMENT, AS DEEMED BY THE CITY TO BE NECESSARY. IN THE EVENT OF TERMINATION, DISSOLUTION, OR FINAL LIQUIDATION OF THE DISTRICT, THE RESPONSIBILITY FOR THE OPERATION AND MAINTENANCE OF THE SURFACE WATER OR STORM WATER MANAGEMENT SYSTEM WILL BE TRANSFERRED TO AND ACCEPTED BY AN ENTITY WHICH COMPLETES WITH SECTION 400-42-0201, F.A.C. AND BE APPROVED BY THE SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT PRIOR TO SUCH TERMINATION, DISSOLUTION, OR LIQUIDATION.
21. THE PIONEER COMMUNITY DEVELOPMENT DISTRICT SHALL BE RESPONSIBLE FOR MAINTAINING ALL PRIVATE ROADS GRANTED TO THE DISTRICT BY THIS PLAT.
22. THE PIONEER COMMUNITY DEVELOPMENT DISTRICT MAY IMPOSE AND LEVY TAXES OR ASSESSMENTS, OR BOTH TAXES AND ASSESSMENTS, ON THIS PROPERTY. THESE TAXES AND ASSESSMENTS PAY THE CONSTRUCTION, OPERATION, AND MAINTENANCE COSTS OF CERTAIN PUBLIC FACILITIES AND SERVICES OF THE DISTRICT AND ARE SET ANNUALLY BY THE GOVERNING BOARD OF THE DISTRICT. THESE TAXES AND ASSESSMENTS ARE IN ADDITION TO COUNTY AND OTHER LOCAL GOVERNMENTAL TAXES AND ASSESSMENTS AND ALL OTHER TAXES AND ASSESSMENTS PROVIDED FOR BY LAW.
23. THIS PLAT IS SUBJECT TO THE PIONEER COMMUNITY DEVELOPMENT DISTRICT AS ESTABLISHED IN OFFICIAL RECORDS BOOK 5889, PAGE 4447 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
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25. THIS PLAT IS SUBJECT TO A 30.00 FOOT WIDE GAS LINE EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK 619, PAGE 570 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
26. THIS PLAT IS SUBJECT TO A FLORIDA POWER AND LIGHT COMPANY EASEMENT AS DESCRIBED IN OFFICIAL RECORDS BOOK 2880, PAGE 0440 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA AND SHOWN HEREON.
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SLIGER & ASSOCIATES, INC.
PROFESSIONAL LAND SURVEYORS

LICENSED BUSINESS CERTIFICATION #3019
3921 SOUTH NOVA ROAD
PORT ORANGE, FL 32127
(386) 761-5385

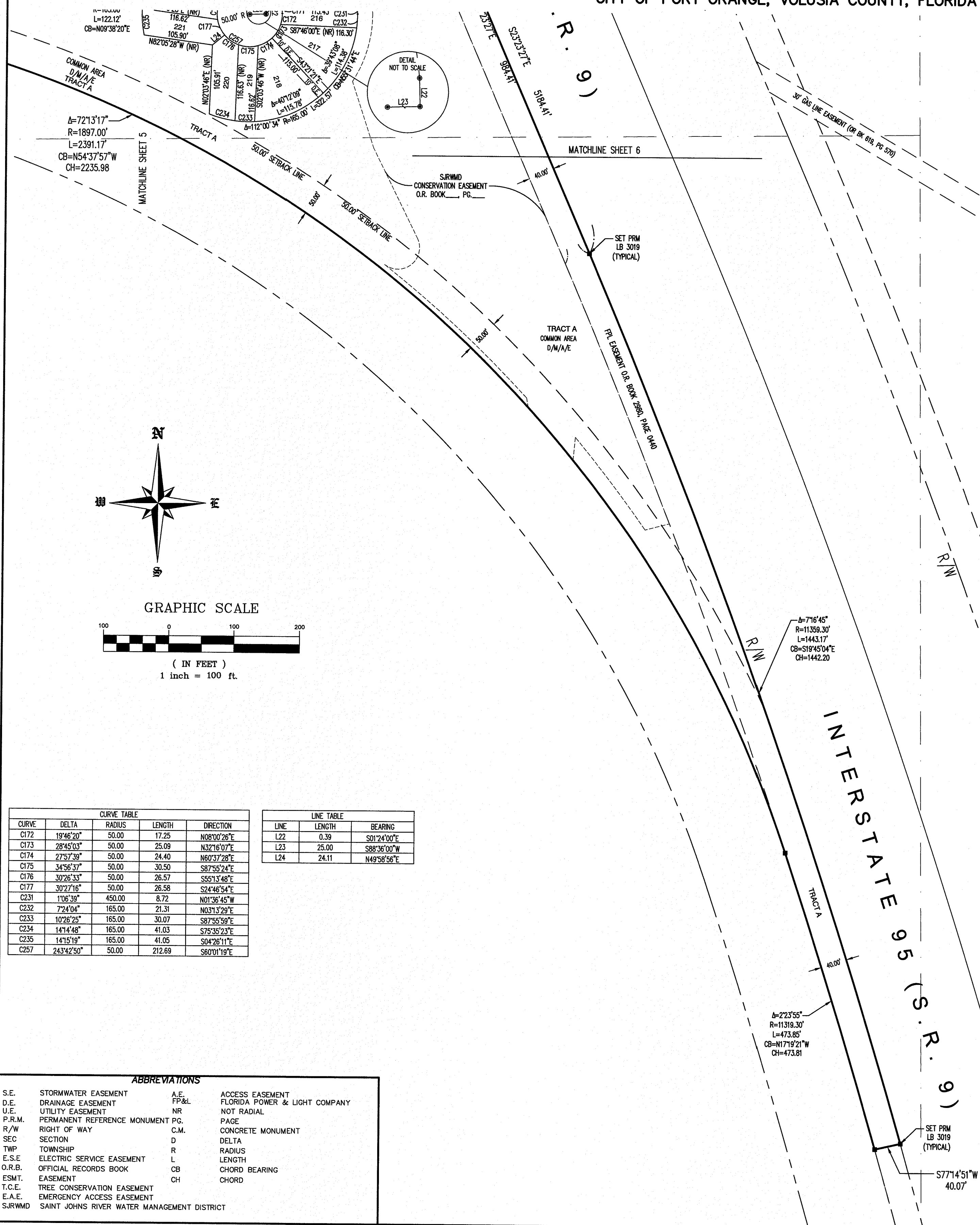
SHEET 6 OF 7

WOODHAVEN — PHASE 1

A PORTION OF THE EAST 1/2 OF SECTIONS 29 AND 32, TOWNSHIP 16 SOUTH, RANGE 33 EAST,
CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA

PLAT BOOK

PAGE



GENERAL NOTES:

1. □ DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) FOUND 4" X 4" CONCRETE MONUMENT STAMPED "PRM LB 3019" UNLESS OTHERWISE SHOWN.
- DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) SET 4" X 4" CONCRETE MONUMENT STAMPED "PRM LB3019".
- DENOTES PERMANENT CONTROL POINT (P.C.P.) STAMPED "PCP LB3019".
- ⊕ DENOTES POINT OF CURVATURE.
- (NR) DENOTES NON-RADIAL LINE RELATIVE TO CURVES.
2. NOTICE: THIS PLAT AS RECORDED IN ITS GRAPHIC FORM IS THE OFFICIAL DEPOSITION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA.
3. DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
4. NOTE: ALL MEASUREMENTS REFER TO HORIZONTAL PLANE IN ACCORDANCE WITH THE DEFINITION OF THE U.S. SURVEY FOOT OR METER ADOPTED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY. ALL MEASUREMENTS SHALL USE THE 39.37/12-1.280833333333 EQUATION FOR CONVERSION FROM A U.S. FOOT TO METERS.
5. ACCURACY: THE BOUNDARY LINEAR ERROR OF CLOSURE DOES NOT EXCEED 1:10,000. THE BOUNDARY ANGULAR ERROR OF CLOSURE DOES NOT EXCEED 15 SECONDS MULTIPLIED BY THE SQUARE ROOT OF THE NUMBER OF ANGLES TURNED.
6. BEARING STRUCTURE IS ASSUMED WITH THE BEARING ON THE WEST LINE OF THE SOUTHEAST 1/4 SECTION 29, TWP 16S, R33E, BEING N00°25'12"W.
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PREPARED BY:
SLIGER & ASSOCIATES, INC.
PROFESSIONAL LAND SURVEYORS
LICENSED BUSINESS CERTIFICATION #3019
3921 SOUTH NOVA ROAD
PORT ORANGE, FL. 32127
(386) 761-5385
www.sligerassociates.com
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SHEET 7 OF 7

WOODHAVEN PHASE 1

CITY OF PORT ORANGE - VOLUSIA COUNTY, FLORIDA FINAL ENGINEERING PLANS



OWNER/ DEVELOPER:

CC WOODHAVEN, LLC
2379 BEVILLE ROAD
DAYTONA BEACH, FLORIDA 32119
(386) 236-4170
(386) 763-7870
CONTACT: DAVID HAAS

SURVEYOR:

SLIGER & ASSOC., INC.
3921 NOVA ROAD
PORT ORANGE, FL 32127
(386) 761-5385
(386) 760-0619 (FAX)
CONTACT: JOE ZAPERT, P.L.S.

ENGINEER:

ZEV COHEN & ASSOC., INC.
300 INTERCHANGE BLVD.
ORMOND BEACH, FL., 32174
(386) 677-2482
(386) 677-2505 (FAX)
CONTACT: BOBBY BALL, P.E.

GEOTECHNICAL ENGINEER:

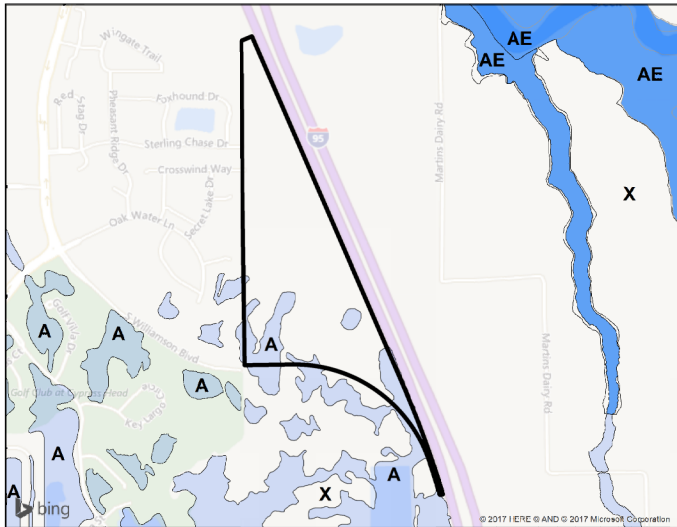
UNIVERSAL ENGINEERING SCIENCES
911 BEVILLE ROAD, SUITE C
SOUTH DAYTONA, FLORIDA 32119
(386) 756-1105
(386) 760-4067 (FAX)
CONTACT: BRIAN POHL, P.E.

ENVIRONMENTAL:

BREEDLOVE, DENNIS & ASSOC., INC.
330 W. CANTOR AVENUE
WINTER PARK, FLORIDA 32789
(407) 677-1882
(407) 657-7008 (FAX)
CONTACT: MIKE DENNIS, PHD

LANDSCAPE ARCHITECT:

ZEV COHEN & ASSOC., INC.
300 INTERCHANGE BLVD.
ORMOND BEACH, FL., 32174
(386) 677-2482
(386) 677-2505 (FAX)
CONTACT: STEVEN BURNS, RLA

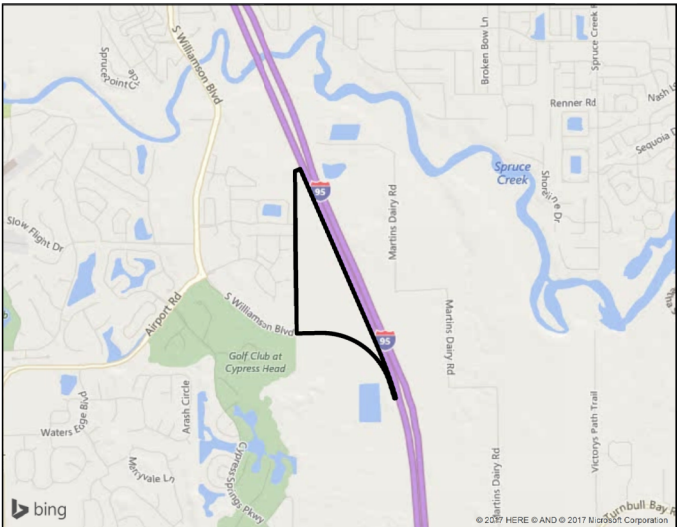


FLOOD MAP

SCALE: 1" = 1000'

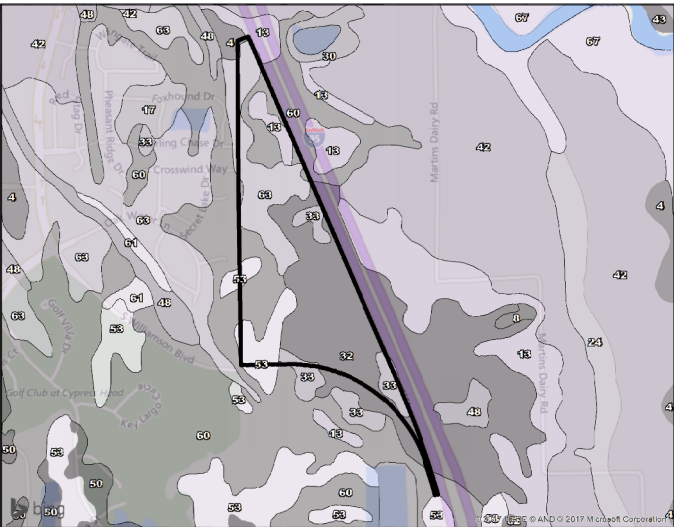
THE PROPERTY LIES IN:

FLOOD ZONE A-NO BASE FLOOD ELEVATIONS DETERMINED
FLOOD ZONE X-AREAS DETERMINED TO BE OUTSIDE THE 0.2%
ANNUAL CHANCE FLOODPLAIN
FEMA MAP 12127C0509H REVISED FEBRUARY 19, 2014



LOCATION MAP

SCALE: 1" = 2000'

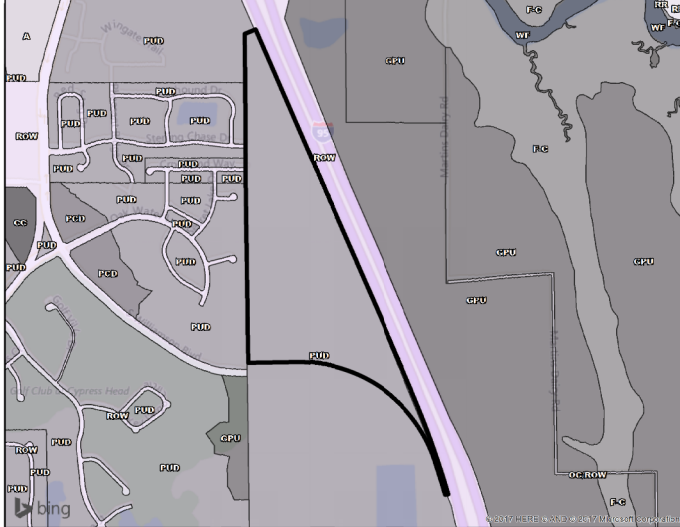


SOILS MAP

SCALE: 1" = 1000'

THE SITE LIES WITHIN THE FOLLOWING VOLUSIA COUNTY SOIL CLASSIFICATIONS:

- | | | | |
|----|--------------------------------------|----|--------------------------------------|
| 4 | ASTATULA FINE SAND (A) | 42 | PAOLA FINE SAND (A) |
| 13 | CASSIA FINE SAND (C) | 48 | PLACID FINE SAND, DEPRESSIONAL (A/D) |
| 17 | DAYTONA SAND (B) | 53 | POMPANO PLACID COMPLEX (A/D) |
| 32 | MYAKKA FINE SAND (A/D) | 60 | SMYRNA FINE SAND (A/D) |
| 33 | MYAKKA FINE SAND, DEPRESSIONAL (A/D) | 63 | TAVARES FINE SAND (A) |



ZONING MAP

SCALE: 1" = 1000'

SHEET INDEX

C1
C2-C3
C4-C5
C6-C7
C8-C9
C10-C15
C16-C21
C22-C27
C28-C37
C38-C46
HA1-HA3
TP1-TP2
LA1-LA10
IR1-IR8
OS1

COVER SHEET
CONSTRUCTION NOTES
WETLAND MANAGEMENT PLANS
CLEARING & EROSION CONTROL
OVERALL DEVELOPMENT PLAN
GEOMETRY, SIGNING & STRIPING PLAN
PAVING, GRADING & DRAINAGE PLAN
MASTER UTILITY PLAN
PLAN & PROFILES
CONSTRUCTION DETAILS
HARDSCAPE PLAN & DETAILS
TREE PROTECTION
LANDSCAPE PLAN & DETAILS
IRRIGATION PLAN & DETAILS
OPEN SPACE EXHIBIT

GENERAL NOTES:

- ALL DISTURBED AREAS SHALL BE SODDED OR SEEDED AND MULCHED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL ELEVATIONS OF EXISTING UTILITIES SHOWN OR NOT SHOWN PRIOR TO CONSTRUCTION AND FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, DISRUPTION OF SERVICE OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY DURING RELOCATION OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF DAMAGES TO EXISTING UTILITIES.
- ALL ROADWAY CONSTRUCTION AND ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS.
- THE LENGTH OF ALL DRAINAGE PIPES AND LOCATION OF ALL DRAINAGE STRUCTURES ARE APPROXIMATE. THE LOCATION OF THE DRAINAGE STRUCTURES SHALL DETERMINE THE LENGTH OF PIPE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AN "AS-BUILT" SURVEY OF THE COMPLETED CONSTRUCTION. THE "AS-BUILT" SURVEY SHALL BE PREPARED IN ACCORDANCE WITH APPROPRIATE GOVERNMENTAL REGULATIONS AND SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL LAND SURVEYOR.
- THE CONTRACTOR SHALL MAINTAIN, AT THE JOB SITE, A RECORD COPY OF ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS ON WHICH ALL FIELD CHANGES ARE TO BE SHOWN. THESE CHANGES ARE TO BE INCORPORATED IN THE "AS-BUILT" SURVEY FURNISHED TO THE ENGINEER.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL REQUIRED PERMITS. THE CONTRACTOR SHALL MAINTAIN COPIES OF ALL RELEVANT PERMITS AVAILABLE ON THE JOB SITE AT ALL TIMES.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION COMPANIES TO DETERMINE THE TYPE AND LOCATION OF ALL UNDERGROUND FACILITIES IN THE AREA OF CONSTRUCTION.
- OPERATION AND MAINTENANCE OF THE STORMWATER SYSTEM WILL BE PROVIDED BY THE OWNER OF PROPERTY.
- MAINTENANCE IS TO INCLUDE:
A. BI-WEEKLY MOWING OF SIDESLOPES FOR VEGETATION CONTROL.
B. QUARTERLY INSPECTION AND/OR CLEANING OF CATCH BASINS TO KEEP FREE OF SAND AND DEBRIS.
- ALL DISTURBED AREAS SHALL HAVE GRASS/VEGETATION ESTABLISHED PRIOR TO THE INSPECTION FOR THE CERTIFICATE OF OCCUPANCY.
- DURING CONSTRUCTION, AN ALL-WEATHER ACCESSIBLE ROADWAY SHALL BE MAINTAINED AT ALL TIMES FOR FIRE APPARATUS.
- NPDES PERMIT THROUGH FDEP SHALL BE OBTAINED PRIOR TO START OF CONSTRUCTION.
- THE VERTICAL DATUM FOR THIS PROJECT REFER TO N.A.V.D. OF 1988.
- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE CITY STANDARD CONSTRUCTION DETAILS, LATEST VERSION, UNLESS SPECIFICALLY APPROVED.
- PURSUANT TO LDC, CHAPTER 5, SECTION 8(b)(2), APPROVAL OF THESE CONSTITUTES A VARIANCE TO THE REQUIRED SUBDIVISION IMPROVEMENTS WITH REGARD TO THE REQUIREMENTS OF CHAPTER 11, SECTION 7(g) FOR ONE STANDARD DUMPSTER PAD AND ENCLOSED COLLECTION POINT FOR EVERY 20 RESIDENTIAL UNITS OR A TRASH COMPACTOR SUFFICIENT IN SIZE TO SERVE THE ENTIRE DEVELOPMENT.

PARCEL ID#: 2916-33-00-00-0040
ZONING: PLANNED UNIT DEVELOPMENT (PUD)
FUTURE LAND USE: RURAL TRANSITION (0-2 UNITS/ACRE);
SUBURAN RESIDENTIAL (2-4 UNITS/ACRE); CONSERVATION

SITE DATA TABLE

TOTAL PROPERTY AREA-PHASE 1	116.31 ACRES
TOTAL PROJECT AREA - PHASE 1	80.46 ACRES
TOTAL RW AREA - PHASE 1	10.70 ACRES
TOTAL LOT AREA - PHASE 1	41.32 ACRES
TOTAL STORMWATER AREA - PHASE 1	17.50 ACRES
TOTAL OPEN SPACE - PHASE 1	10.94 ACRES
TOTAL LOTS PROPOSED (SINGLE FAMILY)-PHASE 1	178 LOTS
TOTAL LOTS PROPOSED (MULTI-FAMILY)-PHASE 1	93 LOTS
FULL PARCEL NUMBER:	2916-33-00-00-0040

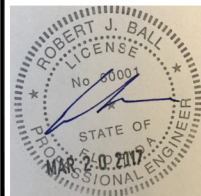
PLANNED UNIT DEVELOPMENT TRACKING TABLE

TOTAL NO. OF UNITS ALLOWED	1,338 UNITS
TOTAL NO. OF UNITS PROPOSED-PHASE 1	271 UNITS
TOTAL NON RESIDENTIAL SQUARE FOOTAGE ALLOWED	650,000 SQ. FT.
TOTAL NON RESIDENTIAL SQUARE FOOTAGE PROPOSED-PHASE 1	0
TOTAL OPEN SPACE REQUIRED	45%
TOTAL OPEN SPACE PROPOSED-PHASE 1	45%

NO.	DATE	REVISIONS
1	01/25/17	Revisions Per City Comments Dated 01/25/17
2	02/07/17	Revisions Per City Comments Dated 01/25/17
3	03/01/17	Revisions Per City Comments Dated 02/16/17
4	03/16/17	Revisions Per City Comments Dated 03/17/17

WOODHAVEN PHASE 1 FINAL ENGINEERING PLANS COVER SHEET

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB



NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E. NO. 60001

SCALE: AS SHOWN
SHEET: C1 OF 46

POTABLE WATER CONSTRUCTION NOTES

1. THE CITY PUBLIC UTILITIES DEPARTMENT (800) 506-5790 SHALL PROVIDE A MINIMUM OF 2 BUSINESS DAYS ADVANCE NOTICE NOT INCLUDING HOLIDAYS OR WEEKENDS PRIOR TO BEGINNING ANY POTABLE WATER CONSTRUCTION.
2. DETERMINING SHALL BE PROVIDED TO KEEP FUNDAMENTAL ELEVATION A MINIMUM OF 6 INCHES BELOW FINISHED GRADE AND 12 INCHES BELOW EXISTING GRADE.
3. ALL WATER MAINS SHALL BE LINED ON A RIGID FOUNDATION WITH ALL UNSUITABLE MATERIAL, MUCK, ROCK, COAL, ETC. REMOVED AND REPLACED WITH CLEAN GRANULAR MATERIAL.
4. TRENCHES SHALL BE FILLED WITH UNFRACTIONATED SAND TO A MINIMUM COMPACTION OF 98% IN POWER AREAS AND 90% IN UNPOWERED AREAS (AS SHOWN ON ASHOTO 1-30).
5. ALL TRENCHES ON THE CONTRACT SHALL BE BACKFILLED WITH UNFRACTIONATED SAND TO 15 FEET ABOVE TRENCHES TO 3 FEET ABOVE THE PIPE AND AT 1 FOOT VERTICAL INTERVALS TO FINISH GRADE, AT A MINIMUM SPACING OF EVERY 300 FEET.
6. 3" METALLIZED PIPE LOCATION TAP SHALL BE LOCATED BETWEEN 15" AND 24" BELOW FINISHED GRADE OR AS SPECIFIED BY MANUFACTURER FOR ALL PIPE TYPES. MARKER TAP SHALL BE USED ON ALL DUCTILE IRON PIPE, AS WELL.
7. ALL WATER SERVICE ENDINGS SHALL BE MAINTAINED WITH 2" X 4" LUMBER (REPLACING EXISTING) TIE EXTENDING 4 FEET ABOVE GRADE, WITH WATER SERVICES RECEIVED 12" MAXIMUM ABOVE THE GROUND. ALL SERVICES SHALL BE LOCATED AT THE TIME OF FINAL INSPECTION BY THE CONTRACTOR IN THE PRESENCE OF THE CITY INSPECTOR OR CITY PERSONNEL AFTER THEY HAVE BEEN INSPECTED AND VERIFIED TO OPERATE PROPERLY. AT ALL OTHER MAINS TIES AND CROSSES, VAS SHALL BE INSTALLED ON ALL SERVICES TO MAKE THEM PLAINLY VISIBLE.
8. ALL WATER VALVES SHALL BE ADJUSTED TO FINISH GRADE AND THE CAPS PAINTED BLUE TO MAKE THEM PLAINLY VISIBLE.
9. UPON RECEIVING ACCEPTANCE OF NEW WATER SYSTEMS, WATER VALVES SHALL BE COMPLETELY OPERATED BY PUBLIC UTILITIES PERSONNEL AT NO TIME SHALL CONTRACTOR OPERATE ANY EXISTING VALVES.
10. ALL FIRE HYDRANTS SHALL BE CONSTRUCTED TO BE AVAILABLE TO FIRE PERSONNEL IN CASE OF A FIRE. THE PRIMARY PURPOSE OF THE HYDRANT IS ALWAYS SAFE. THE STREET.
11. AS STANDARD PRACTICE, WATER MAINS SHALL BE INSTALLED 4 FEET OFF THE BACK OF CURB OR AS APPROVED BY THE CITY.
12. ALL WATER MAINS SHALL BE NOT AND/OR AWWA APPROVED FOR POTABLE WATER USE, AND SHALL HAVE A MINIMUM COVER OF 50 INCHES (3.0 FEET) MINIMUM COVER OF 48 INCHES (4.0 FEET) FROM FINAL GRADE, EXCEPT AT LOCATIONS OF UTILITY CROSSINGS OR WITH SPECIAL APPROVAL. WHEN IT IS DETERMINED TO BE IN THE BEST INTEREST OF THE CITY.
13. ALL WATER MAINS SHALL BE 150 OR 210 C/D ("BULL" OR D.P.) PRESSURE CLASS 350 STANDARD CEMENT UNLESS OTHERWISE APPROVED BY THE CITY.
14. UPON CONSTRUCTION COMPLETION AND ACCEPTANCE OF THE SYSTEM, IT SHALL BE THE DESIGN ENGINEER'S RESPONSIBILITY TO INSURE THE SYSTEM IS PROPERLY CERTIFIED AND ACCEPTED BY THE DEPARTMENT OF HEALTH AND ASSESS ARE PROVIDED TO THE CITY PRIOR TO ANY PUBLIC USE OF THE SYSTEM.
15. ALL TRENCHES TO BE RECLAIMED SHALL BE RECLAIMED TO THE CITY. THE CONTRACTOR SHALL BE REQUIRED TO SUPPLY SALICITY (LUMPS) LUMP (IN THE PRESENCE) 1/2" HANDBOOK (IN THE PRESENCE) THE PUBLIC WATER LINES TO THE RECLAIMED WATER LINES FOR UTILIZATION IN THEIR PRESENT USE.
16. ALL WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY'S COMPLIANCE IN COMPLIANCE WITH THE DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA) GUIDELINES. IN THE EVENT THAT PIPE IS SPECIFIED, THE

REV 12/20/08

FILE NAME
W2.DOC

STANDARD CONSTRUCTION DETAIL
POTABLE WATER CONSTRUCTION NOTES

DETAIL BBS

W-2

POTABLE WATER CONSTRUCTION NOTES (CONT'D)

RESTRAINT JOINT SHALL BE MODIFIED IN ACCORDANCE WITH THE RECOMMENDED ADDITIONAL RESTRAINT LENGTH REQUIRED FOR PIPE WRAPPED WITH POLYETHYLENE.

MEGALUGS, BOLTED, DISCONNECTED RESTRAINT JOINTS OR GRIPPER GRIPPS SHALL BE USED ON ALL RESTRAINED JOINT INSTALLATIONS. MINIMUM DEPTH OF BURY OR PIPE NOT MEETING REQUIRED COVER REQUIREMENTS SHALL FOLLOW THE MOST RECENT ADOPTED THRUST RESTRAINT DESIGN GUIDELINES (USE TORQUE WRENCHES PER THE RECENTEST RECOMMENDED RECORD DRAWING).

WATER SYSTEMS SHALL BE PRESSURE TESTED AT 150 PSI STATIC PRESSURE FOR A PERIOD OF 7 HOURS IN AWWA STANDARDS.

ALL JACKET SERVICES SHALL BE MARKED WITH AN "X" SAW CUT INTO THE CURB OR BY METAL TABS SET INTO THE PAVEMENT.

ALL WATER VALVES SHALL BE MARKED WITH AN "X" SAW CUT INTO THE CURB OR BY METAL TABS SET INTO THE PAVEMENT. ALL WATER TAP-OUT COPS SHALL BE MARKED SIMILARLY. AS WELL, REPAIRING VALVE SHALL BE MARKED WITH AN "X" SAW CUT INTO THE CURB OR PAVEMENT WITH THE ARROW POINTING TO THE DIRECTION OF THE PRESSURE MAIN SERVICE.

ALL TAPPING OF MAINS SHALL BE PERFORMED BY THE CITY AND BILLED IN ACCORDANCE WITH THE ADOPTED FE RESOLUTION. SCHEDULING OF THESE CONNECTIONS OR TAPPIINGS SHALL REQUIRE A MINIMUM OF 2 BUSINESS DAYS, DIRECTED TO THE CITY'S DESIGNATED SITE INSPECTOR WHO SHALL COORDINATE THE WORK DIRECTLY WITH THE PUBLIC UTILITIES DEPARTMENT. SUBSEQUENTLY, THE CONNECTION SHALL BE SCHEDULED TO COMPLETION BETWEEN 8:00 A.M. AND NOON ON THE APPROPRIATE DAY.

ALL LARGE COMMERCIAL, MANUFACTURING AND INDUSTRIAL TAPPIINGS SHALL BE TAKEN A MINIMUM OF 6 WEEKS FOR DELIVERY AFTER BIDS ARE PAID TO THE CITY. IN ADDITION ALL METERS AND VALVES 3" AND GREATER SHALL BE INSTALLED BY THE CONVEYOR/DRAIN CONTRACTOR. THE CITY TO COLLECTED BY THE CITY IS FOR MATERIALS ONLY. ALL METERS, 2" AND LARGER, SHALL BE INSTALLED BY THE CITY.

THE CITY REQUESTS DOUBLE WATER SERVICE INSTALLATIONS WHEREVER FEASIBLE. WHEN DESIGN CONFLICTS EXIST, SINGLE WATER SERVICES MAY BE ALLOWED. THIS MAY APPLY AT STORMWATER LINES, FIRE HYDRANTS, FET, TRANSFORMERS, ETC. AND OTHER LOCATIONS DEEMED APPROPRIATE BY THE CITY.

ALL PROPOSED POTABLE WATER MAINS SHALL BE FUSED, DISINFECTED, PRESSURE TESTED AND BACTERIOLOGICALLY CLEARED FOR SERVICE WHEN APPROPRIATE. SIZES SHALL BE THE "LATEST AWWA STANDARDS AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS". THE CONTRACTOR SHALL NOTIFY THE CITY'S DESIGNATED SITE INSPECTOR WHO SHALL COORDINATE WITH CITY PERSONNEL AT THE WATER TREATMENT PLANT, LOCAL TREATING PLANT OR BEGINNING LUGS OF THE MAINS AND PRIOR TO THE COMMENCEMENT OF PRESSURE TESTING.

ALL MAINS SHALL BE 12" OR GREATER. ALL MAINS 8" AND LARGER IN DIAMETER AND PRIMARY DISTRIBUTION MAINS LOCATED ON COLLECTOR AND ARTERIAL ROADWAYS, ALL LUGS SHALL BE NEW. NO FOAM PIPS ARE ALLOWED. LAUNCHING AND EXTENSION PIPS SHALL BE DETERMINED BY THE CITY. ALL PIPING ORGANS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY UTILITIES DEPARTMENT CITY UTILITY INSPECTOR.

WITH RESPECT TO THE NEW CONNECTIONS, THE CITY RESERVES THE RIGHT TO REQUIRE CONNECTIONS TO BE INSTALLED DURING PERIODS OF LOW FLOW. CONNECTIONS TO 6:00 A.M. TO 9:00 A.M. TO MINIMIZE SERVICE DISRUPTION TO EXISTING CUSTOMERS. THE INSTALLATION OF LINE STOPPIINGS DEPENDS ON PRESSURE MAIN DISRUPTIONS. THE CITY REQUESTS THAT THE CONTRACTOR COORDINATE WITH THE CITY UTILITIES DEPARTMENT DISCUSSION OF PUBLIC UTILITIES DEPARTMENT TO MINIMIZE INTERUPTION TO EXISTING UTILITY CUSTOMERS.

FILE NAME
W2.DOC

STANDARD CONSTRUCTION DETAIL

POTABLE WATER CONSTRUCTION NOTES

DATE: REF.

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POTABLE WATER CONSTRUCTION NOTES (CONT'D)

AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-LINE SANITARY SEWER.

40. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OUTSIDE AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS. WASTEWATER FORCE MAINS OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART II OF CHAPTER 62-430 I.F.C., THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAD AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

41. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

42. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWERS, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID TO THE OUTSIDE OF THE WATER MAIN AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

43. AT THE UTILITY CROSSING, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THAT THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART II OF CHAPTER 62-430 I.F.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS. WATER MAINS CROSSING PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART II OF CHAPTER 62-430 I.F.C.,

44. WATER MAINS SHALL BE 800 P.C.D. OR 600 P.C.D. (30 INCHES) OR 60 IN.D.P. PRESSURE CLASS 350 STANDARD CEMENT UNDERLINED OTHERWISE APPROVED BY THE CITY.

The logo of the City of San Jose, featuring a circular seal with a tree and the words "CITY OF SAN JOSE" and "1850".

**STANDARD CONSTRUCTION DETAIL
POTABLE WATER CONSTRUCTION NOTES**

FILE NAME
W-20C

DETAIL REF.
W-2

REV. 12/08

SANITARY SEWER DESIGN NOTES

1. ALL GRAVITY SANITARY SEWERS SHALL BE 8" OR LARGER MINIMUM SIZE. COMMERCIAL SIZES
LATERALS WITH MULTIPLE CONNECTIONS SHALL BE GREEN/DYE OR, LARGER, ALL-SHIELD FAMILY
RESISTENT SYSTEM LATERALS SHALL BE 4" - SINGLE STRENGTH.

1A. GRAVITY SANITARY SEWER LINES SHALL BE GREEN/PVC OR, ASTM D-3035, IN PLACES WHERE A
MINIMUM COVER OF 4.0' CANNOT BE MAINTAINED, AWWA-C900 OR C-905, GREEN PVC OR, CLASS B,
OR CONCRETE LINEARLY SLOPED TO MEET WATER MAINS, INCLUDED LINES, AND STORM DRAINAGE
SYSTEMS. SHALL ALSO COMPLY WITH ANY LOCAL INSTALLATION REQUIREMENT PER THE CITY OF
DENVER AND AS PER REGULATORY REQUIREMENTS.

3. MINIMUM GRADIENT SANITARY SEWER SLOPES ARE AS FOLLOWS:

8" PIPE @ 0.40 %
10" PIPE @ 0.30 %
12" PIPE @ 0.22 %

4. MAXIMUM DEPTH OF SANITARY MANHOLES SHALL BE 15.7'. MAXIMUM DEPTH OF LIFT STATION WELLS
WILL BE 20.0'.

GRAVITY SANITARY SEWER LINES SHALL BE INSTALLED WHERE POSSIBLE UNDER PAVED AREAS. ABOVE GROUND
PUBLIC RIGHTS-OF-WAY, UTILITY EXCHANGES SHALL BE PROVIDED WHENEVER A PUBLIC OWNED S/WER
LINES ARE CONSTRUCTED OUTSIDE OF A PUBLIC RIGHT-OF-WAY.

ALL TESTING REQUIRED BY THE CITY SHALL BE PAID FOR BY THE CONTRACTOR / DEVELOPER.

7. ALL LOCAL COLLECTION SANITARY SEWER MANHOLES SHALL PRESENT WITH A MINIMUM RISE
DIAMETER OF 6 FEET.

8. STANDARD MANHOLES SHALL BE LOCATED AT INTERSECTIONS NOT EXCEEDING 30 FEET.

9. INDIVIDUAL SANITARY SEWER ON NEW CONSTRUCTION SHALL NOT BE CONNECTED DIRECTLY INTO
MANHOLES, AND MUST CONNECT TO EXISTING MAIN LINES BY USE OF JOINT CONNECTIONS, UNLESS
OTHERWISE APPROVED BY THE CITY.

10. FOR SINGLE FAMILY HOMES, SINGLE FOUR INCH SANITARY SEWER LATERALS SHALL BE CONSTRUCTED
EACH SIDE OF AND UNDER THE FOUNDATION OF EACH CENTRAL LINE. THESE VERTICAL
PIPS SHALL BE EXTENDED 4 FEET ABOVE THE FINISHED PROPERTY SURFACE AND PIPES BE
EASILY VISIBLE ABOVE THE ROAD. RUBBER SEAL FITTINGS SHALL BE USED ON ALL LINES. NO GLOUED
JOINTS ARE ALLOWED ON ANY LINES.

11. FOR MULTI-FAMILY AND COMMERCIAL SITES, SIX INCH MINIMUM SEWER SERVICES AND CLEANOUTS
SHALL BE PROVIDED AS APPROVED BY THE CITY.

12. GRAVITY SANITARY LIFT STATIONS AND FORCE MAINS, SIZE, MATERIAL, AND DESIGN SHALL BE APPROVED
BY THE CITY. LIFT STATIONS SHALL BE CONSTRUCTED WITH A MINIMUM WELL INT, INTERIOR DIAMETER
6.0 FEET. FORCE MAINS SHALL BE A MINIMUM 8" DIAMETER.

13. THE CITY IS RESPONSIBLE FOR THE DESIGN INCLUDING THE PREPARATION AND SUBMITTAL/FITTING
CALCULATIONS TO STATE THE BASIS OF THE WELL, AND AM MANHOLES AS DEMAND NECESSARY BY
THE CITY.

14. SANITARY SEWER DROP MANHOLES SHALL ONLY BE USED UNDER SPECIAL CONDITIONS AS APPROVED BY
THE CITY. DROPS LESS THAN 24" SHALL NOT BE ALLOWED.

15. ALL SANITARY SEWER FORCE MAINS, INCLUDING FITTINGS, SHALL BE PD WITH PROTECTED AOD, C
900, OR C 905 [COLOR "GREEN"] (PRESSURE FITTINGS, PRESSURE CLASS 150 OR C 900).



STANDARD CONSTRUCTION DETAIL

SANITARY SEWER DESIGN NOTES

SLIDE NO.

DETAIL

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SANITARY SEWER DESIGN NOTES CONT'D

INSTALLED IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SLEATH AT LEAST 18" ABOVE THE SEWAGE MAIN. ALTERNATIVELY, THE SEWER MAIN SHALL BE ENCASED WITH CONCRETE OR ENCASED IN A WATER TIGHT ZAMBUR PIPE, CONFORMING TO PRESSURE RATED PIPE (BASTING APPROX. C-90) OR C-9005 SPECIFICATIONS AND PRESSURE. TESTED AT 150 PSI TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.

- 26. CEMENT USED IN CONCRETE MIX FOR PRECAST STRUCTURES SHALL BE TYPE II, ACID RESISTANT AND SULFIDE RESISTANT CONCRETE.
- 27. MORTAR TO CONSUME "MODERATELY" OR APPROVED EQUAL TO PREVENT SHRINKAGE.
- 28. PROFILE VIEWS SHALL BE PROVIDED FOR ALL SEWER MAINS. PROFILE VIEWS SHALL BE ON THE SAME SHEET AS THE ASSOCIATED PLAN VIEW AND SHALL INCLUDE THE FOLLOWING INFORMATION:
 - A. SIZE, SLOPE, LENGTH AND CLASS OF PIPE
 - B. MANHOLE RIM AND INVERT ELEVATIONS
 - C. UTILITY CROSSINGS WITH VERTICAL SEPARATION
 - D. SLOPE PROPOSED SEWER AND EXISTING UTILITY
 - E. EXISTING GROUND PROFILE
 - F. MATCH LINE
 - G. INVERT MAP
 - H. PROFILE VIEW STATIONS TO CORRELATE WITH PLAN VIEW STATIONS

STANDARD CONSTRUCTION DETAIL
SANITARY SEWER DESIGN NOTES

FILE NAME

SJ.DWG

DETAIL REF

S-1

REV. 12/08

SANITARY SEWER CONSTRUCTION NOTES

1. THE CITY'S PUBLIC UTILITY DEPARTMENT (EIR) 580-550-5760 SHALL BE GIVEN A MINIMUM OF 2 BUSINESS DAYS ADVANCE NOTICE (NOT INCLUDING HOLIDAYS OR WEEKENDS) PRIOR TO BEGINNING ANY SANITARY SEWER CONSTRUCTION.

2. ALL CITY SANITARY SEWER MAINS SHALL BE GIVEN PCN NO. 263M IN 108-004. REPLACES WHERE A MINIMUM COVER OF 4' OR 4.67' (NOT INCLUDING MAINTENANCE, AVOIDANCE COVER-0.000, 1.000, 2.000, 2.500, 3.000, 3.500, 4.000, 4.500, 5.000, 5.500, 6.000, 6.500, 7.000, 7.500, 8.000, 8.500, 9.000, 9.500, 10.000, 10.500, 11.000, 11.500, 12.000, 12.500, 13.000, 13.500, 14.000, 14.500, 15.000, 15.500, 16.000, 16.500, 17.000, 17.500, 18.000, 18.500, 19.000, 19.500, 20.000, 20.500, 21.000, 21.500, 22.000, 22.500, 23.000, 23.500, 24.000, 24.500, 25.000, 25.500, 26.000, 26.500, 27.000, 27.500, 28.000, 28.500, 29.000, 29.500, 30.000, 30.500, 31.000, 31.500, 32.000, 32.500, 33.000, 33.500, 34.000, 34.500, 35.000, 35.500, 36.000, 36.500, 37.000, 37.500, 38.000, 38.500, 39.000, 39.500, 40.000, 40.500, 41.000, 41.500, 42.000, 42.500, 43.000, 43.500, 44.000, 44.500, 45.000, 45.500, 46.000, 46.500, 47.000, 47.500, 48.000, 48.500, 49.000, 49.500, 50.000, 50.500, 51.000, 51.500, 52.000, 52.500, 53.000, 53.500, 54.000, 54.500, 55.000, 55.500, 56.000, 56.500, 57.000, 57.500, 58.000, 58.500, 59.000, 59.500, 60.000, 60.500, 61.000, 61.500, 62.000, 62.500, 63.000, 63.500, 64.000, 64.500, 65.000, 65.500, 66.000, 66.500, 67.000, 67.500, 68.000, 68.500, 69.000, 69.500, 70.000, 70.500, 71.000, 71.500, 72.000, 72.500, 73.000, 73.500, 74.000, 74.500, 75.000, 75.500, 76.000, 76.500, 77.000, 77.500, 78.000, 78.500, 79.000, 79.500, 80.000, 80.500, 81.000, 81.500, 82.000, 82.500, 83.000, 83.500, 84.000, 84.500, 85.000, 85.500, 86.000, 86.500, 87.000, 87.500, 88.000, 88.500, 89.000, 89.500, 90.000, 90.500, 91.000, 91.500, 92.000, 92.500, 93.000, 93.500, 94.000, 94.500, 95.000, 95.500, 96.000, 96.500, 97.000, 97.500, 98.000, 98.500, 99.000, 99.500, 100.000, 100.500, 101.000, 101.500, 102.000, 102.500, 103.000, 103.500, 104.000, 104.500, 105.000, 105.500, 106.000, 106.500, 107.000, 107.500, 108.000, 108.500, 109.000, 109.500, 110.000, 110.500, 111.000, 111.500, 112.000, 112.500, 113.000, 113.500, 114.000, 114.500, 115.000, 115.500, 116.000, 116.500, 117.000, 117.500, 118.000, 118.500, 119.000, 119.500, 120.000, 120.500, 121.000, 121.500, 122.000, 122.500, 123.000, 123.500, 124.000, 124.500, 125.000, 125.500, 126.000, 126.500, 127.000, 127.500, 128.000, 128.500, 129.000, 129.500, 130.000, 130.500, 131.000, 131.500, 132.000, 132.500, 133.000, 133.500, 134.000, 134.500, 135.000, 135.500, 136.000, 136.500, 137.000, 137.500, 138.000, 138.500, 139.000, 139.500, 140.000, 140.500, 141.000, 141.500, 142.000, 142.500, 143.000, 143.500, 144.000, 144.500, 145.000, 145.500, 146.000, 146.500, 147.000, 147.500, 148.000, 148.500, 149.000, 149.500, 150.000, 150.500, 151.000, 151.500, 152.000, 152.500, 153.000, 153.500, 154.000, 154.500, 155.000, 155.500, 156.000, 156.500, 157.000, 157.500, 158.000, 158.500, 159.000, 159.500, 160.000, 160.500, 161.000, 161.500, 162.000, 162.500, 163.000, 163.500, 164.000, 164.500, 165.000, 165.500, 166.000, 166.500, 167.000, 167.500, 168.000, 168.500, 169.000, 169.500, 170.000, 170.500, 171.000, 171.500, 172.000, 172.500, 173.000, 173.500, 174.000, 174.500, 175.000, 175.500, 176.000, 176.500, 177.000, 177.500, 178.000, 178.500, 179.000, 179.500, 180.000, 180.500, 181.000, 181.500, 182.000, 182.500, 183.000, 183.500, 184.000, 184.500, 185.000, 185.500, 186.000, 186.500, 187.000, 187.500, 188.000, 188.500, 189.000, 189.500, 190.000, 190.500, 191.000, 191.500, 192.000, 192.500, 193.000, 193.500, 194.000, 194.500, 195.000, 195.500, 196.000, 196.500, 197.000, 197.500, 198.000, 198.500, 199.000, 199.500, 200.000, 200.500, 201.000, 201.500, 202.000, 202.500, 203.000, 203.500, 204.000, 204.500, 205.000, 205.500, 206.000, 206.500, 207.000, 207.500, 208.000, 208.500, 209.000, 209.500, 210.000, 210.500, 211.000, 211.500, 212.000, 212.500, 213.000, 213.500, 214.000, 214.500, 215.000, 215.500, 216.000, 216.500, 217.000, 217.500, 218.000, 218.500, 219.000, 219.500, 220.000, 220.500, 221.000, 221.500, 222.000, 222.500, 223.000, 223.500, 224.000, 224.500, 225.000, 225.500, 226.000, 226.500, 227.000, 227.500, 228.000, 228.500, 229.000, 229.500, 230.000, 230.500, 231.000, 231.

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SANITARY SEWER CONSTRUCTION NOTES CONT'D

POINT OF CROSSING. A MINIMUM HORIZONTAL SEPARATION OF (30) FEET (EDGE TO EDGE) BETWEEN POTABLE WATER MAINS AND SEWER MAINS SHALL BE MAINTAINED UNLESS ALL POSSIBLE WITHIN THE 30-FOOT HORIZONTAL SEPARATION CANNOT BE MAINTAINED. THE WATER MAIN SHALL BE INSTALLED IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SURFACE AT LEAST 18" ABOVE THE SEWER MAIN. ALTERNATIVELY, THE SEWER MAIN SHALL BE: ENCASED WITH CONCRETE OR ENCASED IN A WATER TIGHT CHAMBER PIPE, OR UPGRADED TO PRESSURE RATED PVC PIPE (SMELTING AWWA C-900 OR C-905 SPECIFICATION) AND PRESURE TESTED AT 150 PSI TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.

37. CEMENT USED IN CONCRETE MORT FOR PIPES STRUCTURES SHALL BE TYPE II, FINE RESISTANT AND SULFUR RESISTANT CONCRETE.
38. MORTAR TO CONTAIN "HYDRATE" ON APPROVED EQUAL, TO PREVENT SURCRACKING
39. CONTRACTOR SHALL PROTECT EXISTING MANNHOLES SHALES AND AS REQUIRED TO PREVENT FLOTATION BASED ON HIGH GROUNDWATER WATER LEVELATIONS AS DETERMINED USING ACCEPTED ENGINEERING PRACTICES AND/OR APPROVED BY PUBLIC UTILITIES DEPT.
40. SHOT-PIPPING FOR ALL SLEEVES SHALL BE SUBMITTED TO AND APPROVED BY THE DESIGN ENGINEER PRIOR TO INSTALLATION WITH TWO COPIES FORWARDED BY THE DESIGN ENGINEER TO THE CITY.
41. NO USE OF NON-REINFORCED CONCRETE.
42. ALL SANITARY SEWER MAINS SHALL HAVE ALL INTERIOR SURFACES COATED WITH THREE (3) COATS OF WATERBORNE OVER RED OR BLACK EP 1 EPOXY PAINT WITH A TOTAL OF 32 MILS THICKNESS OR BLACK COAL-TAR EPOXY WITH A TOTAL OF 16 MILS THICKNESS. OUTSIDE SURFACES TO BE COATED WITH TWO (2) COATS OF BLACK OVER RED OR BLACK EP 1 EPOXY PAINT WITH A TOTAL OF 16 MILS AND ONE (1) COAT OF BLACK COAL-TAR EPOXY WITH A TOTAL OF 8 MILS. ALL COATS SHALL BE APPLIED AT THE FACTORY EIGHT MINOR FIELD TOUCH UP JOINTS AND AT MANNHOLE NECK.

STANDARD CONSTRUCTION DETAIL SANITARY SEWER CONSTRUCTION NOTES

FILE NAME:
SD-00C

DETAIL REF:

S-2

REV. 12/7/08

LIFT STATION WET WELL DESIGN NOTES

1. SMITH-LOVELESS DUPLEX WET WELL MOUNTED OR RECESSED WET WELL MOUNTED FACTORY STATION REQUIRED.

2. SEE CITY STANDARD DETAIL FOR EMERGENCY PUMP CONNECTION REQUIREMENTS.

3. SEE CITY STANDARD DETAIL FOR 1" HOSE RIBS AND REQUIREMENTS.

4. SEE CITY STANDARD ELECTRICAL DETAIL FOR ELECTRICAL REQUIREMENTS.

5. MINIMUM WET WELL DIAMETER IS 6.0 FT. MINIMUM REQUIRED DEPTH OF WET WELL BELOW LOWEST INVERT IS 3'-6" MINIMUM CONCRETE WALL THICKNESS IS 8".

6. STATION TOP TO BE MIN. OF 1 FT. ABOVE FINISHED GRADE AND THE SURROUNDING FINISHED GRADE ELEVATION AND SHALL BE NO LOWER THAN THE 100-YEAR BASE FLOOD ELEVATION.

7. WETWELL DEPTH TO BE A MAXIMUM OF 20.0'.

8. ALL FENCING INSTALLED IN THE VICINITY OF LIFT STATIONS SHALL BE 6" HIGH CHAIN LINK P-ASTIC COATED, BLACK IN COLOR, WOODED SHADOW BOX, OR MASONRY WALL AS APPROVED BY THE DEPT. OF COMMUNITY DEVELOPMENT IN COMPLIANCE WITH THE ARCHITECTURAL AND LANDSCAPE REQUIREMENTS OF THE LDC. AT SPECIAL FENCING APPROVED AND INSTALLED SHALL BE MAINTAINED BY THE PRIVATE ENTITY RESPONSIBLE. WALL FENCING SHALL BE INSTALLED WITH A MINIMUM OF 24" CLEARANCE FROM ALL ELECTRICAL / MECHANICAL EQUIPMENT.

**STANDARD CONSTRUCTION DETAIL
LIFT STATION WET WELL DESIGN NOTES**



**CITY OF
SAN JOSE
CALIFORNIA**

FILE NAME S3.DOC	FILE NO. S3-00
DETAIL REF. S-3	

REV. 12/08

[illegible]

LIFT STATION WET WELL CONSTRUCTION NOTES (CONT'D)

MECHANICAL EQUIPMENT:

14. LIFT STATION START-UP INSPECTIONS SHALL BE SCHEDULED AND COORDINATED WITHOUT THE CITY'S INSPECTOR. BUSINESS DAYS SHALL BE 8:00 AM TO 5:00 PM (DETERMINING THAT ALL WORK IS COMPLETE AND NO OTHER CITY INSPECTOR SHALL THEN NOTIFY THE CITY, CONTRACTOR, ENGINEER OF RECORD, POWER COMPANY, FLOOD, AND THE PUMP SUPPLIER OF THE OFFICIAL START-UP INSPECTION DATE AND TIME. UPON COMPLETION OF THE ENGINEER OF RECORD SIGNATURE AND THE CITY, CONTRACTOR, ENGINEER OF RECORD, FLOOD, AND THE PUMP SUPPLIER SHALL SIGN THE CITY CITY SUMMARY OF THE RESULTS OF THAT TEST AND A SET OF ALL PUMP LIFT TESTS OUTSTANDING.
15. IT WILL NOT BE LIFT STATION TESTS OUTSTANDING.
20. PUMP STATION FINAL INSPECTION AND ACCEPTANCE PROCEDURES:
 - BEFORE FINAL APPROVAL OR ACCEPTANCE OF ANY PUMP STATION BY THE CITY, THERE SHALL BE INSPECTIONS MADE BY THE CITY'S REPRESENTATIVE AND INSPECTOR. THE FIELD INSPECTIONS WILL SHOW THAT THE PUMP STATION IS FULLY OPERATIONAL AND ALL NECESSARY APURTHERANCES HAVE BEEN INSTALLED AND CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND THE STATION CONSTRUCTION DETAILS AS APPROVED BY THE PUBLIC UTILITIES DEPARTMENT FROM CONSTRUCTION.
 - UPON COMPLETION AND BEFORE ACCEPTANCE OF THE PUMP STATION INSTALLATION, CONTRACTOR SHALL TEST ALL THE PUMPING EQUIPMENT TO DEMONSTRATE SATISFACTORY PERFORMANCE. IF DEFICIENCIES ARE DETECTED, THE CONTRACTOR SHALL CORRECT THEM ACCORDING TO THE CITY'S REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIRS OF ANY EQUIPMENT SHALL BE REQUIRED.
 - REPRESENTATIVES FROM THE PUMPING EQUIPMENT MANUFACTURER, DATA FLOW TELEMETRY, AND ELECTRICAL CONTRACTOR SHALL BE PRESENT AT THE PUMP STATION START-UP TESTING AND THE FINAL SITE INSPECTION.
 - ALL PUMP STATION EQUIPMENT SHALL BE TESTED AT THE START-UP. MANUFACTURER/CONTRACTOR SHALL PROVIDE A FORMAL TEST PROCEDURE AND RECORDS FOR ALL RECORDING DATA. THE TESTS SHALL BE PERFORMED BY THE CONTRACTOR IN THE PRESENCE OF A REPRESENTATIVE AND CITY INSPECTOR. THE TEST RESULTS SHALL BE SUBMITTED TO THE PUBLIC UTILITIES DEPARTMENT ALONG WITH THE PUMP STATION AS-BUILT AND STATION MAINTENANCE AND OPERATING MANUALS.
 - ALL GEOTEC SUBSOLING THE PUMP STATION SHALL BE GRADED IN A 57 STONE FINISH. ACCEPTANCE OF THE PUMP STATION WILL NOT BE GIVEN UNTIL EFFECTIVE EROSION AND POSITIVE DRAINAGE CONTROL HAVE BEEN PROVIDED.
 - PUMP STATIONS SHALL ONLY BE CONSIDERED AS ACCEPTABLE FOR OPERATION BY THE CITY AFTER WRITTEN CONFIRMATION BY THE PUBLIC UTILITIES DEPARTMENT.
 - IN THE EVENT THAT THE CITY DETERMINES THAT THE PUMP STATION REQUIREMENTS ARE DETERMINED TO BE DEFICIENT AT THE START-UP, THEN THE CITY RESERVES THE RIGHT TO REQUIRE A COMPLETE NEW START-UP WITH PARTIES PRESENT AS NOTED.
 - UPON COMPLETION AND ACCEPTANCE, THE CITY SHALL NOTIFY THE ENGINEER OF RECORD.

STANDARD CONSTRUCTION DETAIL
LIFT STATION WET WELL CONSTRUCTION NOTES

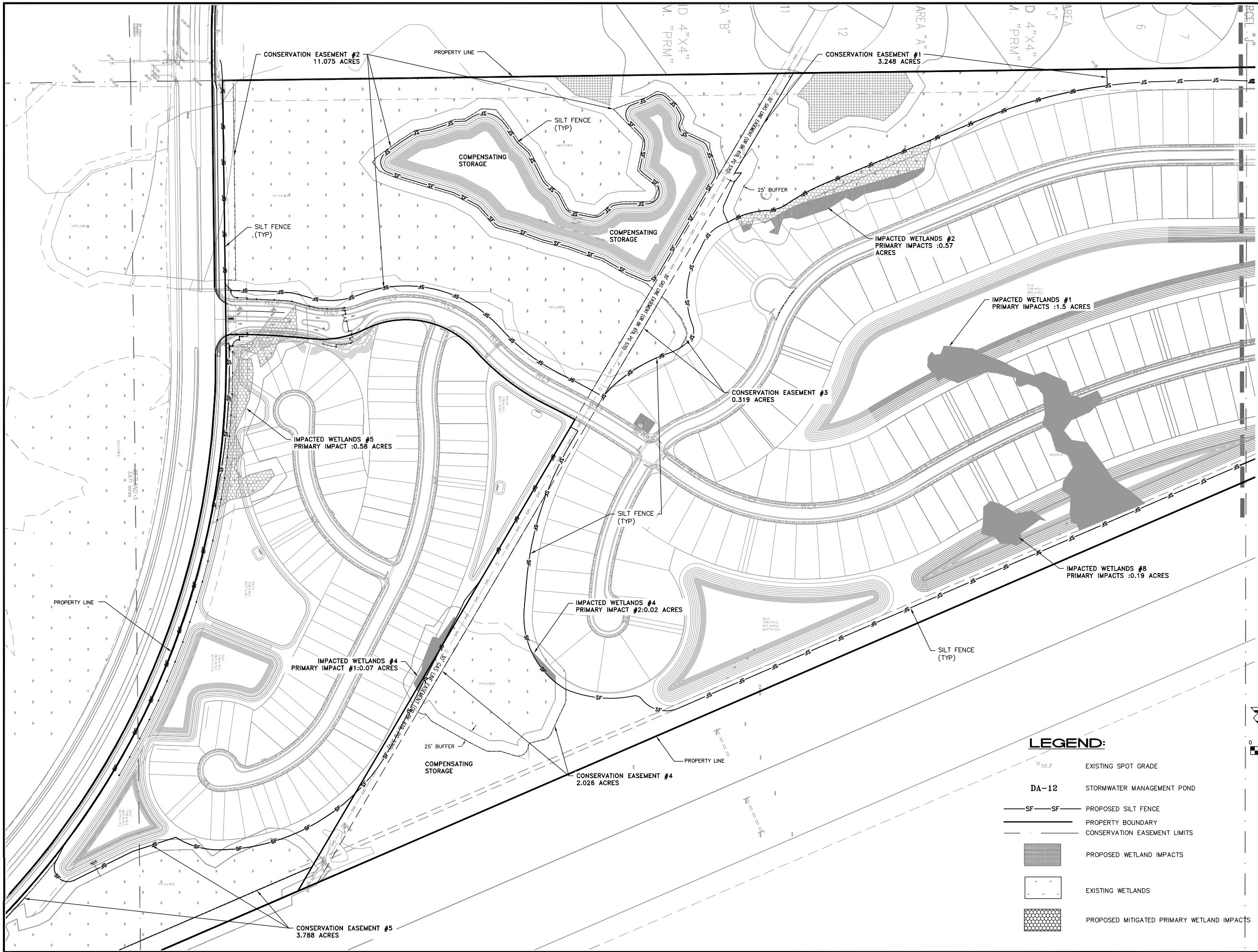
REV 12/08

FILE NO. SD-00-000000
S-4



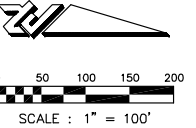
811
Know what's below.
Call before you dig.

[illegible]



LEGEND:

- EXISTING SPOT GRADE
- DA-12 STORMWATER MANAGEMENT POND
- PROPOSED SILT FENCE
- PROPERTY BOUNDARY
- CONSERVATION EASEMENT LIMITS
- PROPOSED WETLAND IMPACTS
- EXISTING WETLANDS
- PROPOSED MITIGATED PRIMARY WETLAND IMPACTS



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ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS	BY
1	01/25/17	Revisions Per City Comments Dated 01/25/17	TOR
2	02/07/17	Revisions Per City Comments Dated 01/25/17	TOR
3	03/07/17	Revisions Per City Comments Dated 02/16/17	TOR
4	05/16/17	Revisions Per City Comments Dated 03/17/17	TOR

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
WETLAND MANAGEMENT PLAN

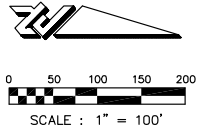
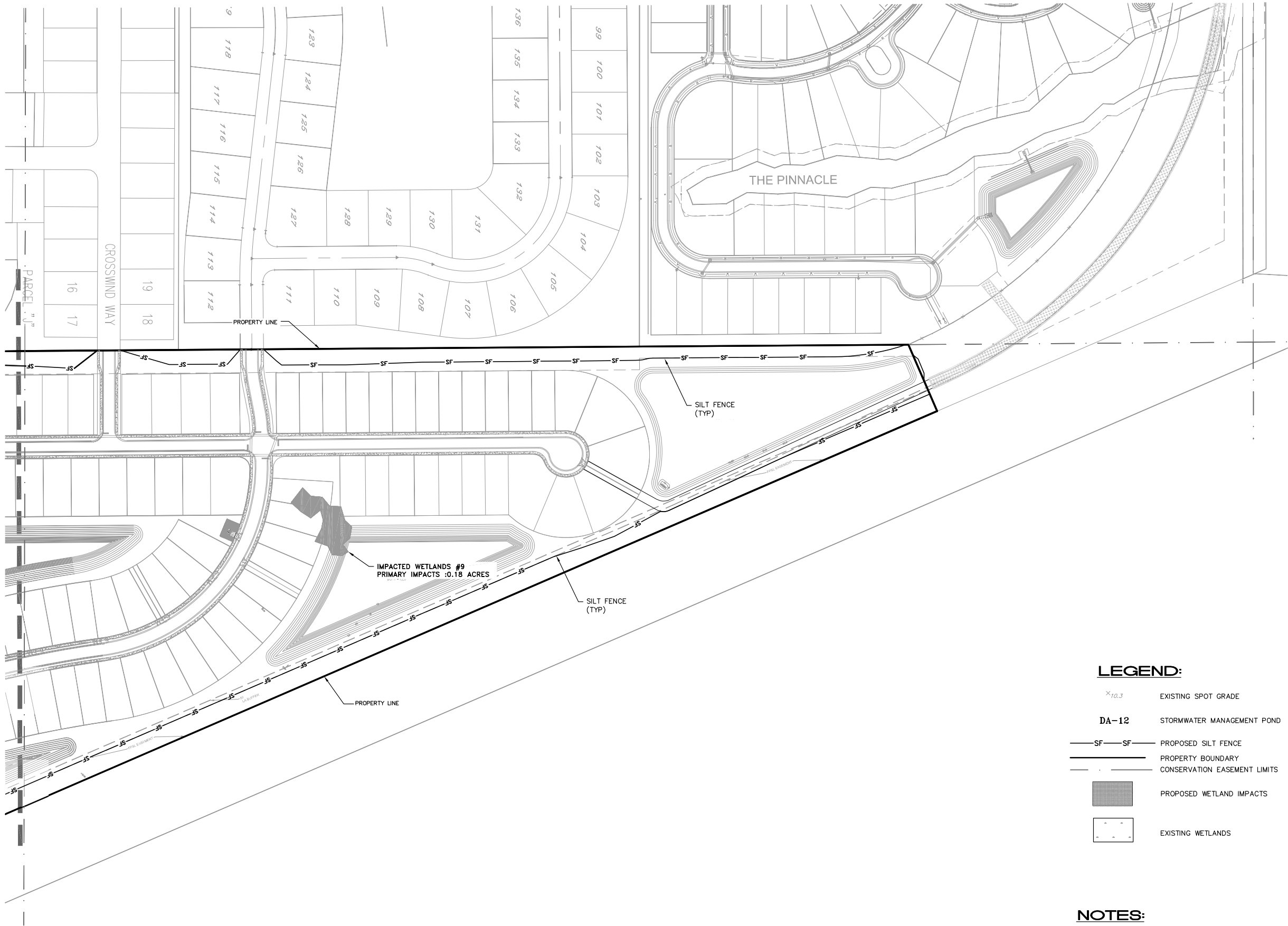
CITY OF PORT ORANGE
VOLUSIA COUNTY, FL

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C4-C5 16011WMP
XREFS: 16011BAS
XREFS: 16011TB

NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E. NO. 60001

SCALE: 1"=100'
SHEET: **C4** OF **46**

MATCHLINE SHEET C4



LEGEND:

- $\times_{10.3}$ EXISTING SPOT GRADE
- DA-12 STORMWATER MANAGEMENT POND
- SF—SF PROPOSED SILT FENCE
- — — — — PROPERTY BOUNDARY
- — — — — CONSERVATION EASEMENT LIMITS
- PROPOSED WETLAND IMPACTS
- EXISTING WETLANDS

NOTES:

- 1) SILT FENCE TO BE INSTALLED ALONG CLEARING LIMITS; GRAPHICAL REPRESENTATION OF CLEARING LIMITS AND SILT FENCE IS EXAGGERATED FOR PICTORIAL PURPOSES ONLY.



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SUITE 100
EDGEMOND, AL 36525
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**WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
WETLAND MANAGEMENT PLAN**

CITY OF PORT ORANGE VOLusia COUNTY, FL

PROJECT NO: ZC 16011

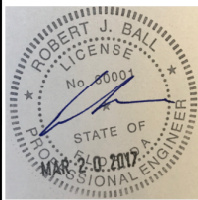
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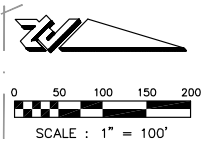
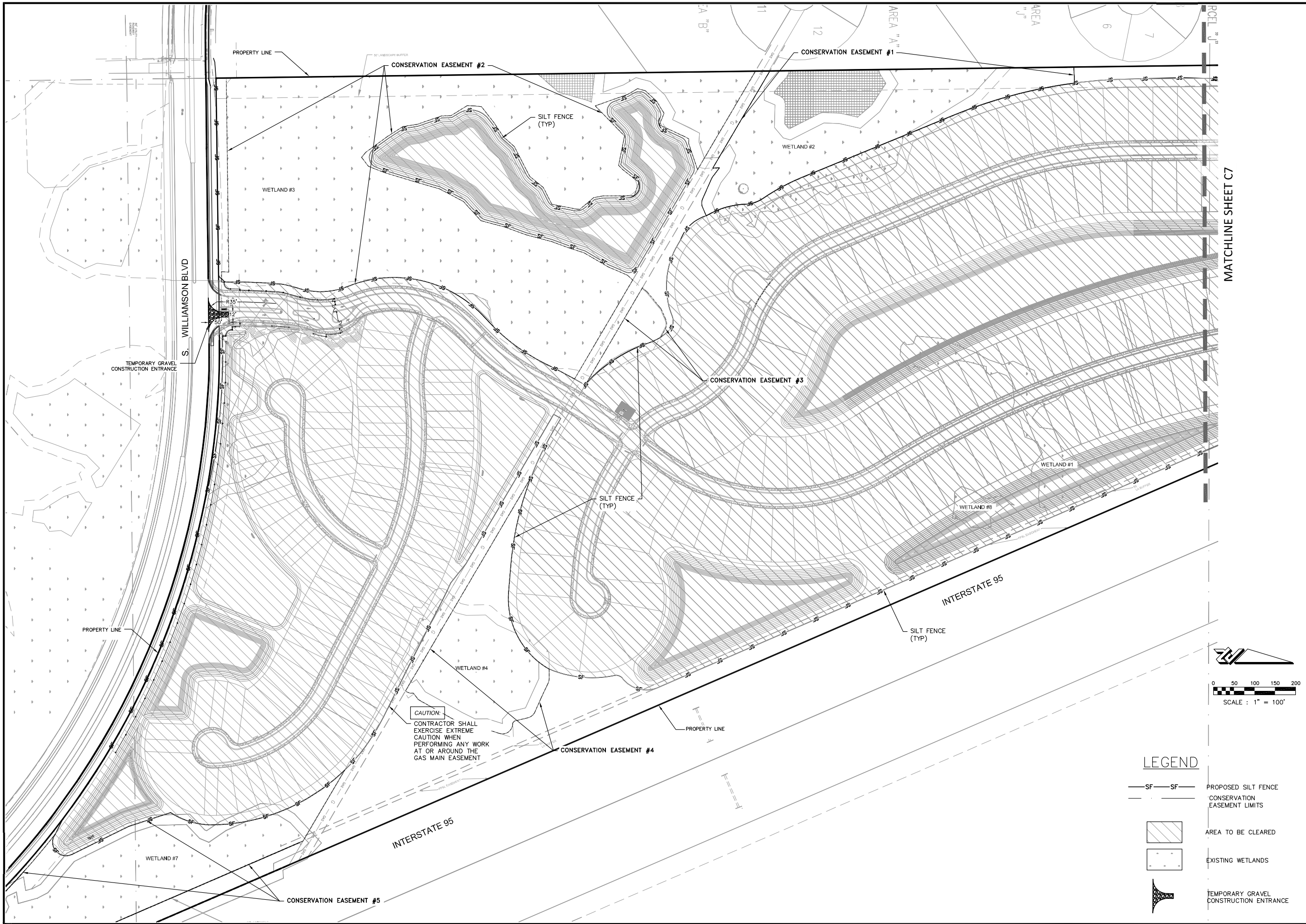
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XREFS: 16011BAS
XREFS: 16011TB



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ROBERT J. BALL, P.E. NO. 60001

SCALE: 1"=100'

SHEET: C5 OF 46



- LEGEND**
- SF — SF — PROPOSED SILT FENCE
 - — — CONSERVATION EASEMENT LIMITS
 - [Hatched Box] AREA TO BE CLEARED
 - [Dotted Box] EXISTING WETLANDS
 - [Gravel Entrance Symbol] TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

MATCHLINE SHEET C7

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3RD FLOOR
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

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1	01.25.17	Revisions Per City Comments Dated 01.25.17	TJC
2	02.07.17	Revisions Per City Comments Dated 01.25.17	TJC
3	03.07.17	Revisions Per City Comments Dated 02.16.17	TJC
4	05.16.17	Revisions Per City Comments Dated 03.17.17	TJC

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
CLEARING & EROSION CONTROL PLAN

CITY OF PORT ORANGE
VOLUSIA COUNTY, FL

PROJECT NO: ZC 16011

ISSUE DATE: 10-28-2016

DESIGNED BY: HK

DRAFTED BY: CW/IR

CHECKED BY: BB

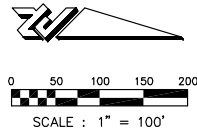
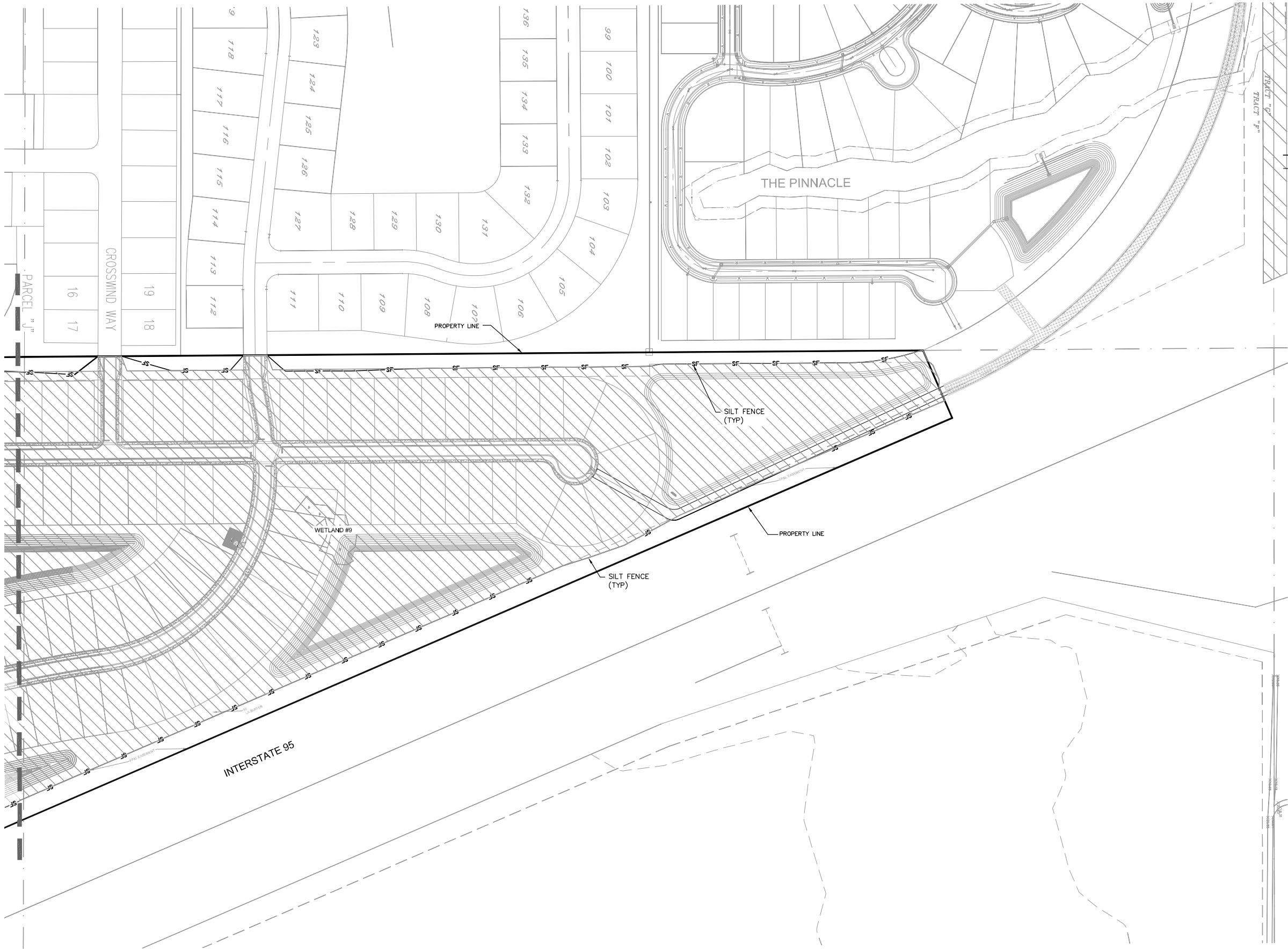
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XREFS: 16011BAS
XREFS: 16011TB

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ROBERT J. BALL, P.E. NO. 60001

SCALE: 1"=100'

SHEET: **C6** OF **46**

MATCHLINE SHEET C6



LEGEND

- SF — SF — PROPOSED SILT FENCE
- — — CONSERVATION EASEMENT LIMITS
- AREA TO BE CLEARED
- EXISTING WETLANDS



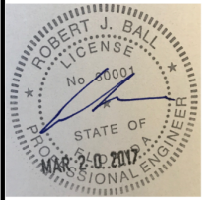
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1840 AIRPORT ROAD
SUITE 100
ORMOND BEACH, FL 32174
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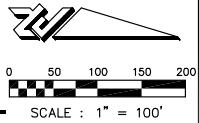
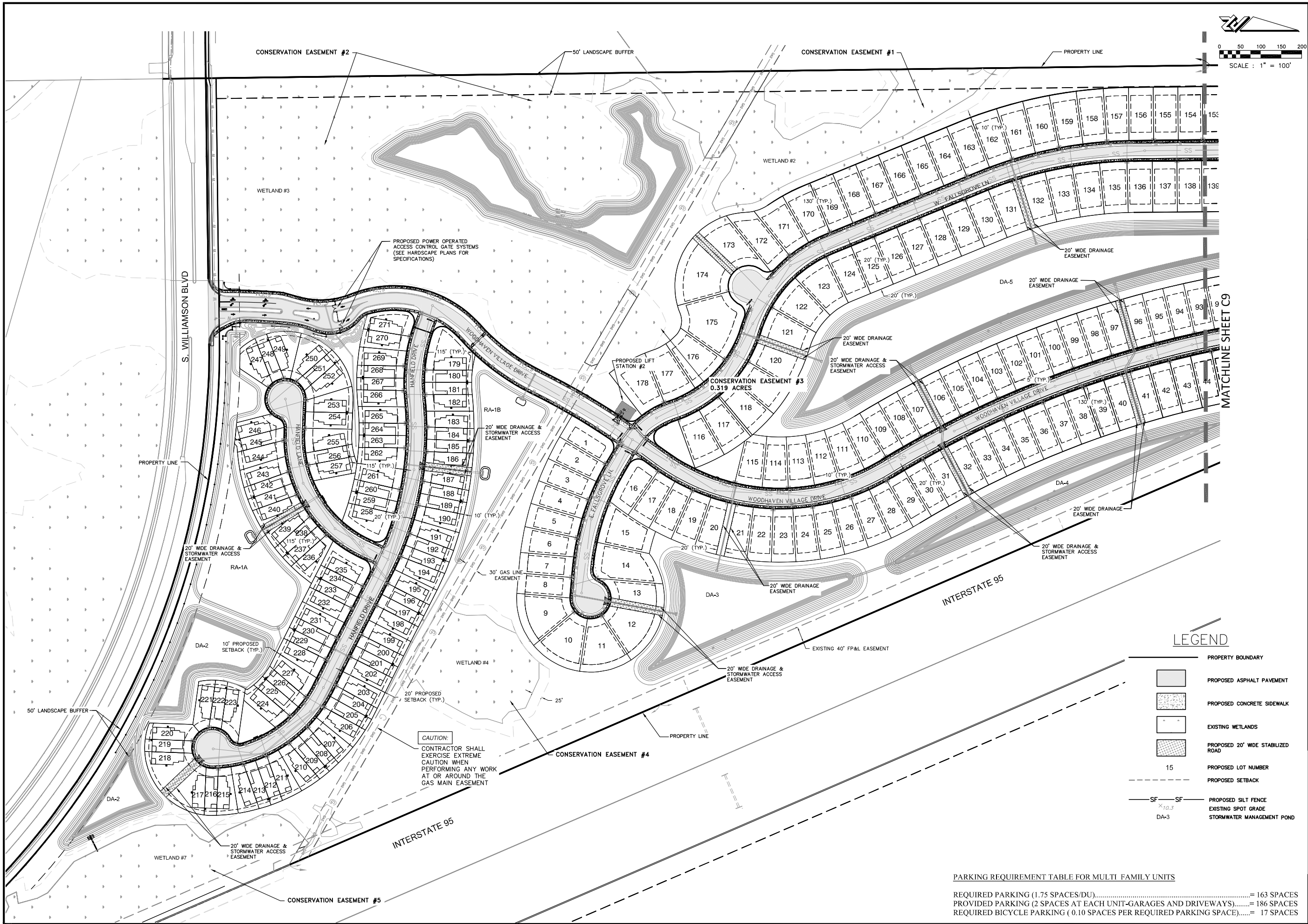
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4	05/16/17	Revisions Per City Comments Dated 03/17/17	REVISED

WOODHAVEN PHASE 1 FINAL ENGINEERING PLANS CLEARING & EROSION CONTROL PLAN

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
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ROBERT J. BALL, P.E. NO. 60001



LEGEND

- PROPERTY BOUNDARY
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- EXISTING WETLANDS
- PROPOSED 20' WIDE STABILIZED ROAD
- PROPOSED LOT NUMBER
- PROPOSED SETBACK
- PROPOSED SILT FENCE
- EXISTING SPOT GRADE STORMWATER MANAGEMENT POND

PARKING REQUIREMENT TABLE FOR MULTI-FAMILY UNITS

REQUIRED PARKING (1.75 SPACES/DU).....	= 163 SPACES
PROVIDED PARKING (2 SPACES AT EACH UNIT-GARAGES AND DRIVEWAYS).....	= 186 SPACES
REQUIRED BICYCLE PARKING (0.10 SPACES PER REQUIRED PARKING SPACE).....	= 17 SPACES

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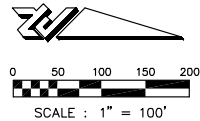
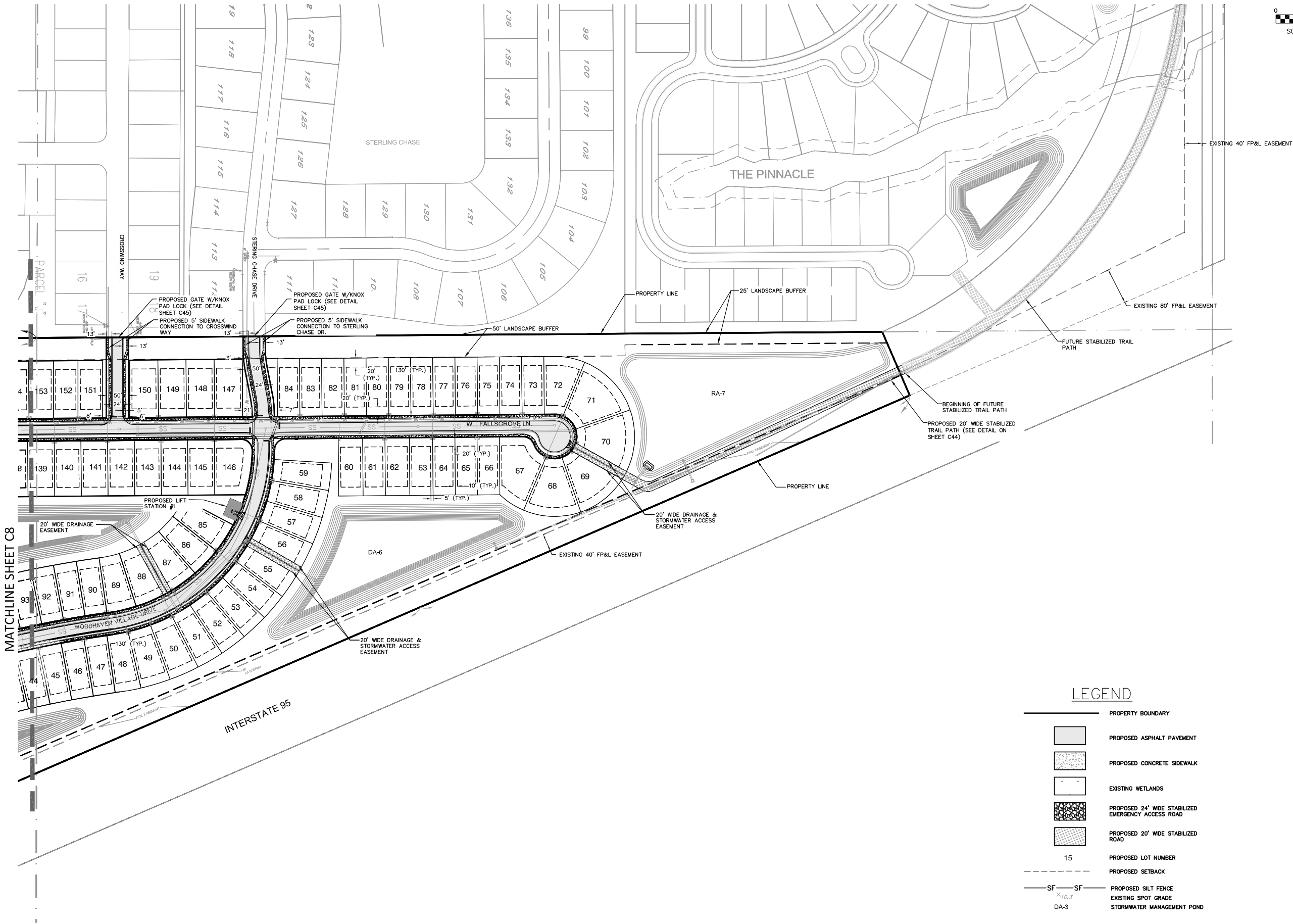
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**WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
OVERALL DEVELOPMENT PLAN**

CITY OF PORT ORANGE
VOLusia COUNTY, FL

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C8-C9 160110DP
XREFS: 16011BAS
XREFS: 16011TB

SCALE: 1"=100'
SHEET: **C8** OF **46**



LEGEND	
	PROPERTY BOUNDARY
	PROPOSED ASPHALT PAVEMENT
	PROPOSED CONCRETE SIDEWALK
	EXISTING WETLANDS
	PROPOSED 24' WIDE STABILIZED EMERGENCY ACCESS ROAD
	PROPOSED 20' WIDE STABILIZED ROAD
15	PROPOSED LOT NUMBER
- - - - -	PROPOSED SETBACK
SF — SF	PROPOSED SILT FENCE
X10.3	EXISTING SPOT GRADE
DA-3	STORMWATER MANAGEMENT POND



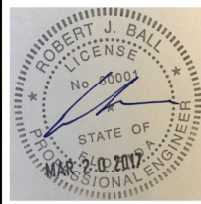
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ORMOND BEACH, FL 32174
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EDGEWATER, FL 32117
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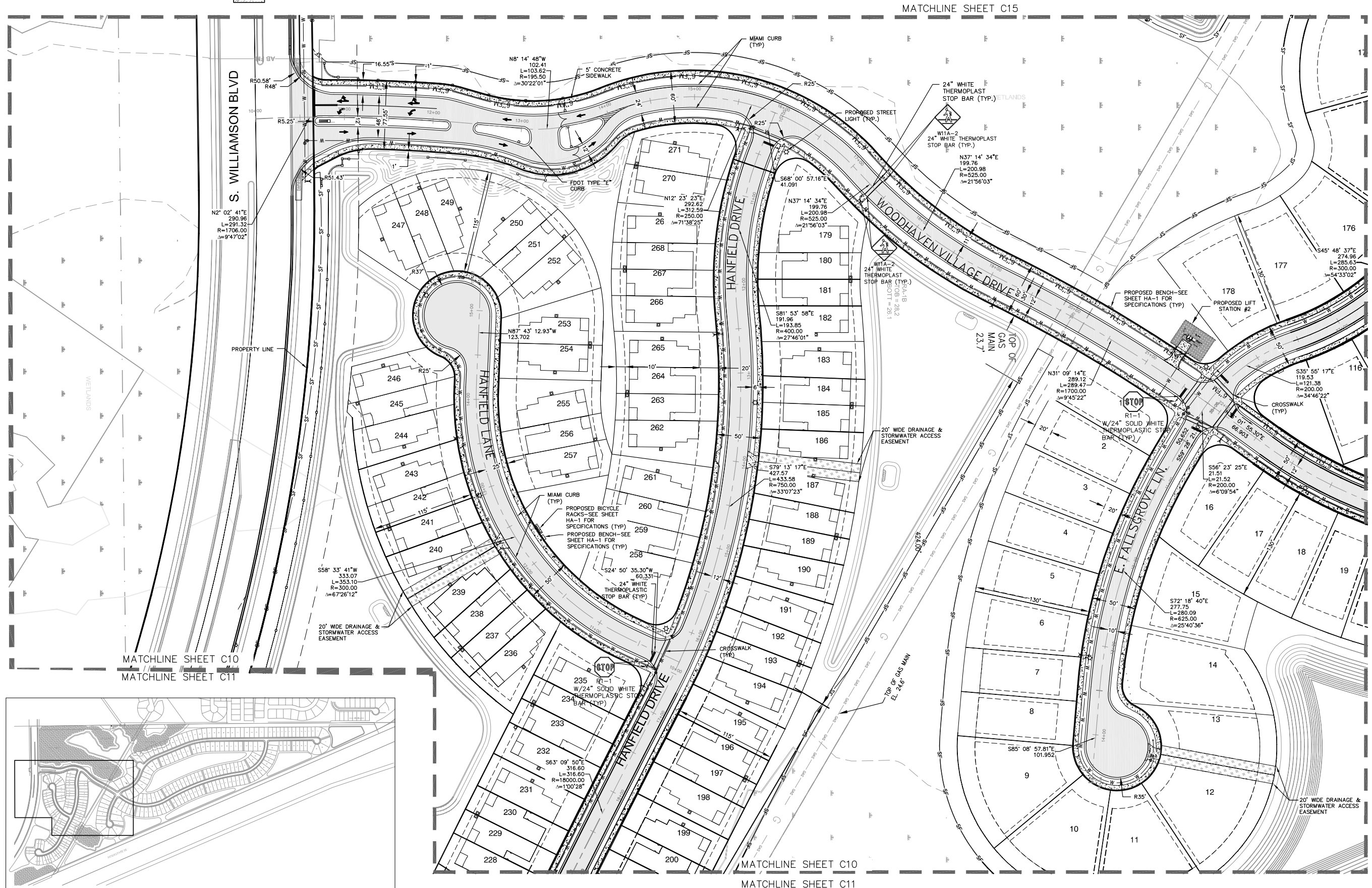
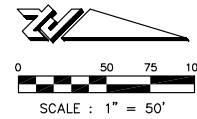
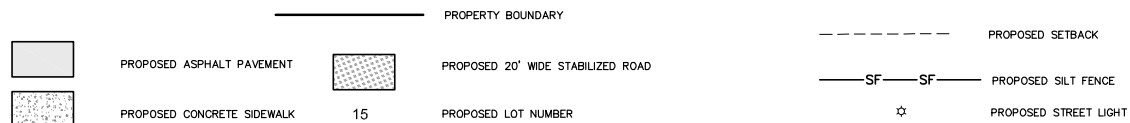
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**WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
OVERALL DEVELOPMENT PLAN**

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
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ROBERT J. BALL, P.E. NO. 60001



SHEET LOCATION KEY



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EDGEWATER
1840 AIRPARK ROAD
EDGEWATER, FL 32132
(386) 677-2482 FAX (386) 677-2505

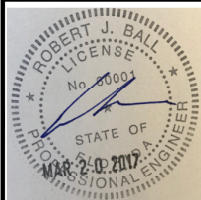
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**WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
GEOMETRY, SIGNING & STRIPING PLAN**

CITY OF PORT ORANGE
VOLusia COUNTY, FL

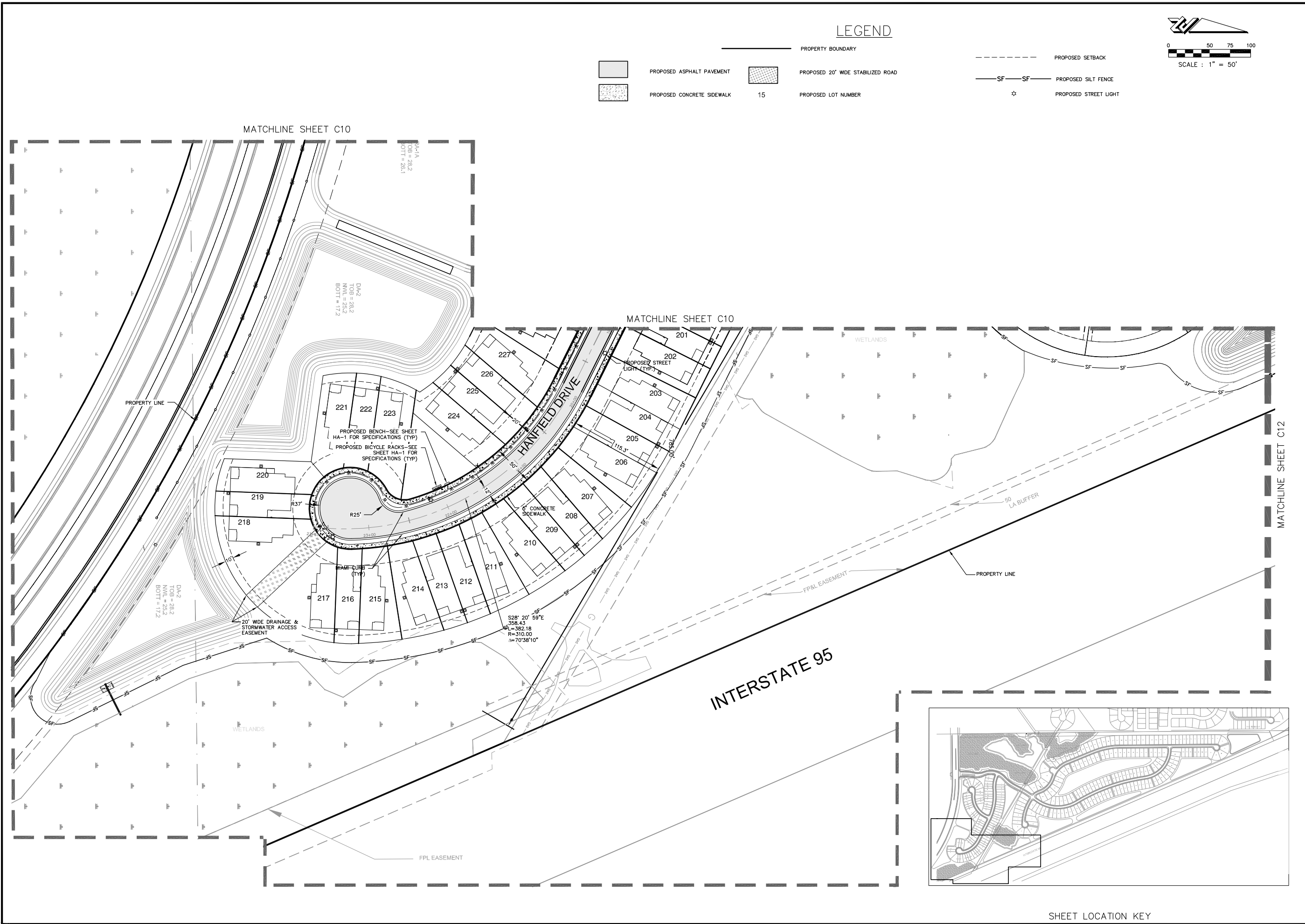
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ROBERT J. BALL, P.E. NO. 60001

SCALE: 1"=50'



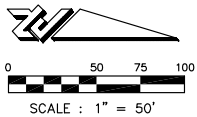
LEGEND

PROPOSED ASPHALT PAVEMENT
PROPOSED CONCRETE SIDEWALK



PROPERTY BOUNDARY
PROPOSED 20' WIDE STABILIZED ROAD
PROPOSED LOT NUMBER

PROPOSED SETBACK
PROPOSED SILT FENCE
PROPOSED STREET LIGHT



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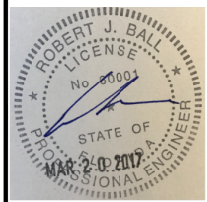
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ORMOND BEACH, FL 32174
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1840 AIRPORT ROAD
EDGEWATER, FL 33122
(386) 677-2482 FAX (386) 677-2505

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4	03/15/17	Revisions Per City Comments Dated 03/15/17	REVISED

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
GEOMETRY, SIGNING & STRIPING PLAN
VOLUSIA COUNTY, FL
CITY OF PORT ORANGE

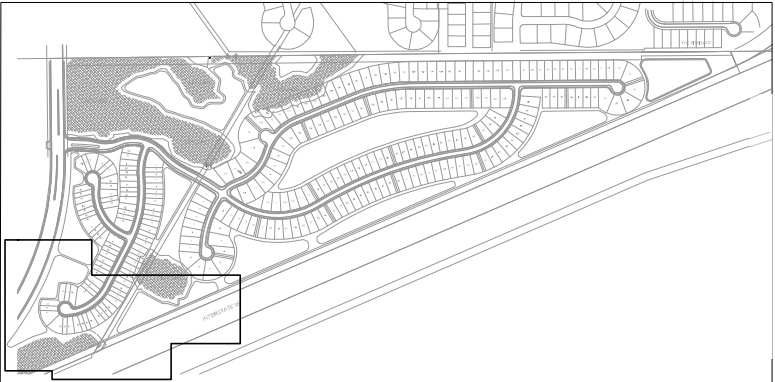
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ISSUE DATE: 10-28-2016
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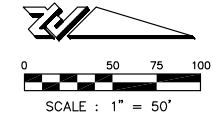
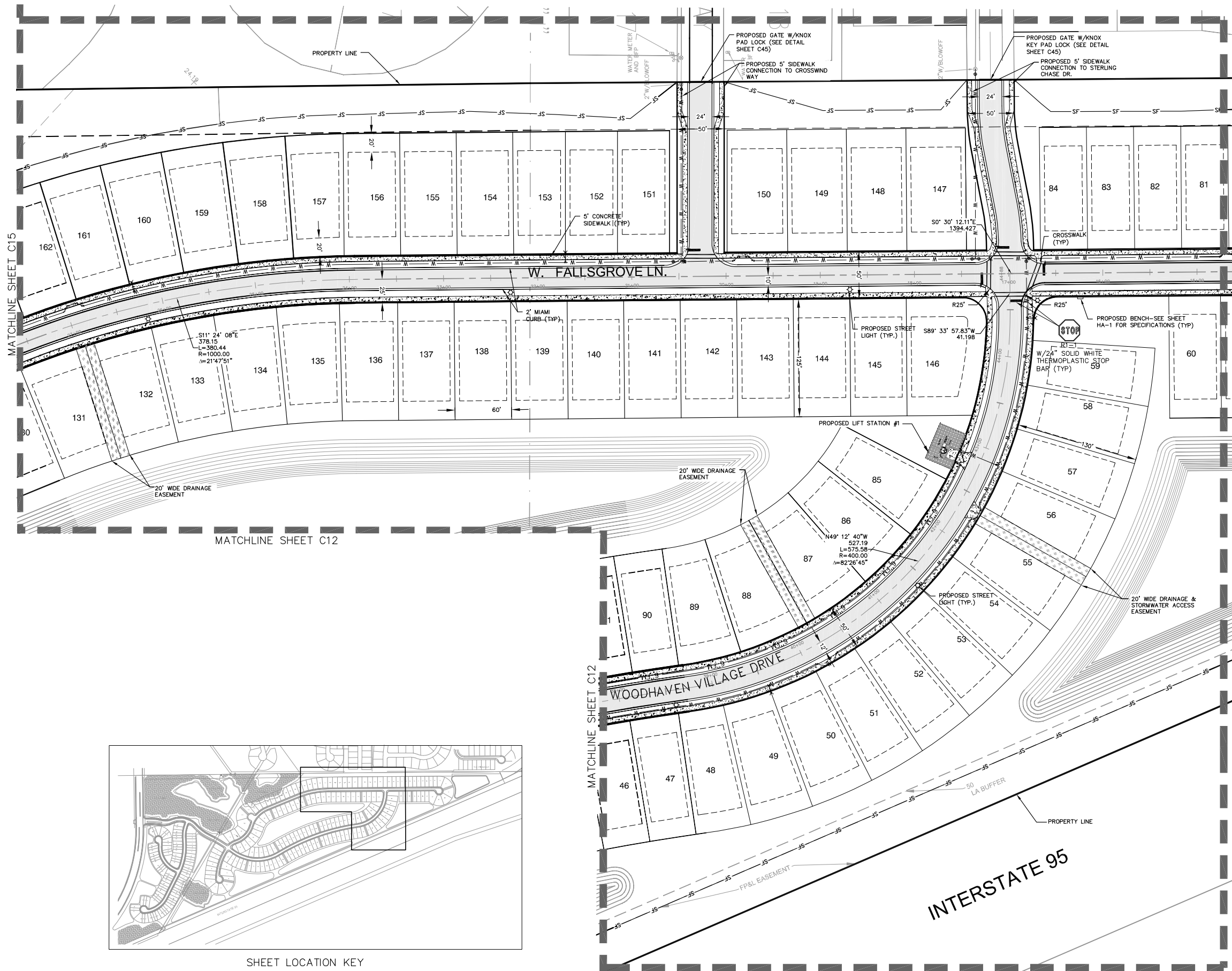


NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E. NO. 60001

SCALE: 1"=50'
SHEET: **C11** OF **46**

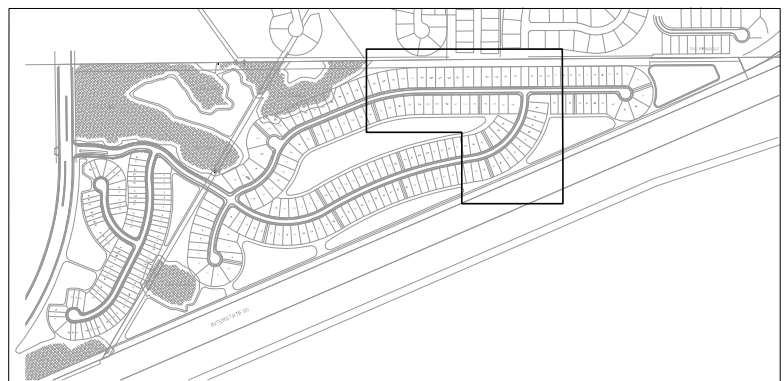
SHEET LOCATION KEY





LEGEND

- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED 20' WIDE STABILIZED ROAD
- PROPOSED 24' WIDE STABILIZED EMERGENCY ACCESS ROAD
- 15 PROPOSED LOT NUMBER
- PROPERTY BOUNDARY
- PROPOSED SETBACK
- SF-SF PROPOSED SILT FENCE
- PROPOSED STREET LIGHT



SHEET LOCATION KEY

ZEV COHEN & ASSOCIATES, INC.
CIVIL ENGINEERS • LANDSCAPE ARCHITECTS
PLANNERS • TRANSPORTATION • ENVIRONMENTAL
WWW.ZEVCOHEN.COM

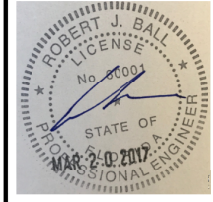
ORMOND BEACH
3105 W. ORMOND BEACH BLVD., SUITE C
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPORT ROAD
ORLANDO, FL 32812
(386) 677-2482 FAX (386) 677-2505

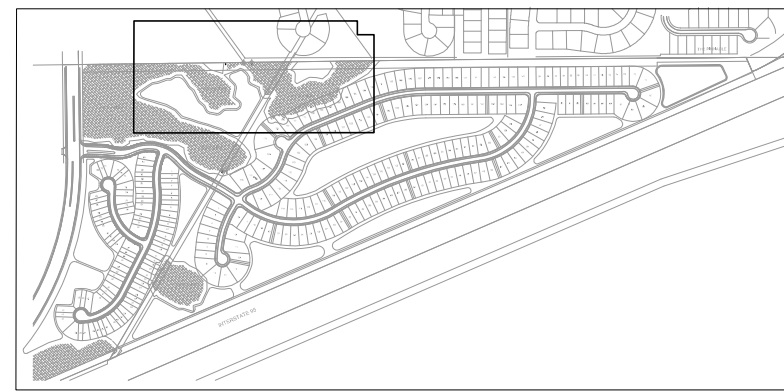
NO.	DATE	REVISIONS	BY
1	01.25.17	Revisions Per City Comments Dated 01.25.17	TOR
2	02.07.17	Revisions Per City Comments Dated 01.25.17	TOR
3	03.07.17	Revisions Per City Comments Dated 02.16.17	TOR
4	05.16.17	Revisions Per City Comments Dated 03.11.17	TOR

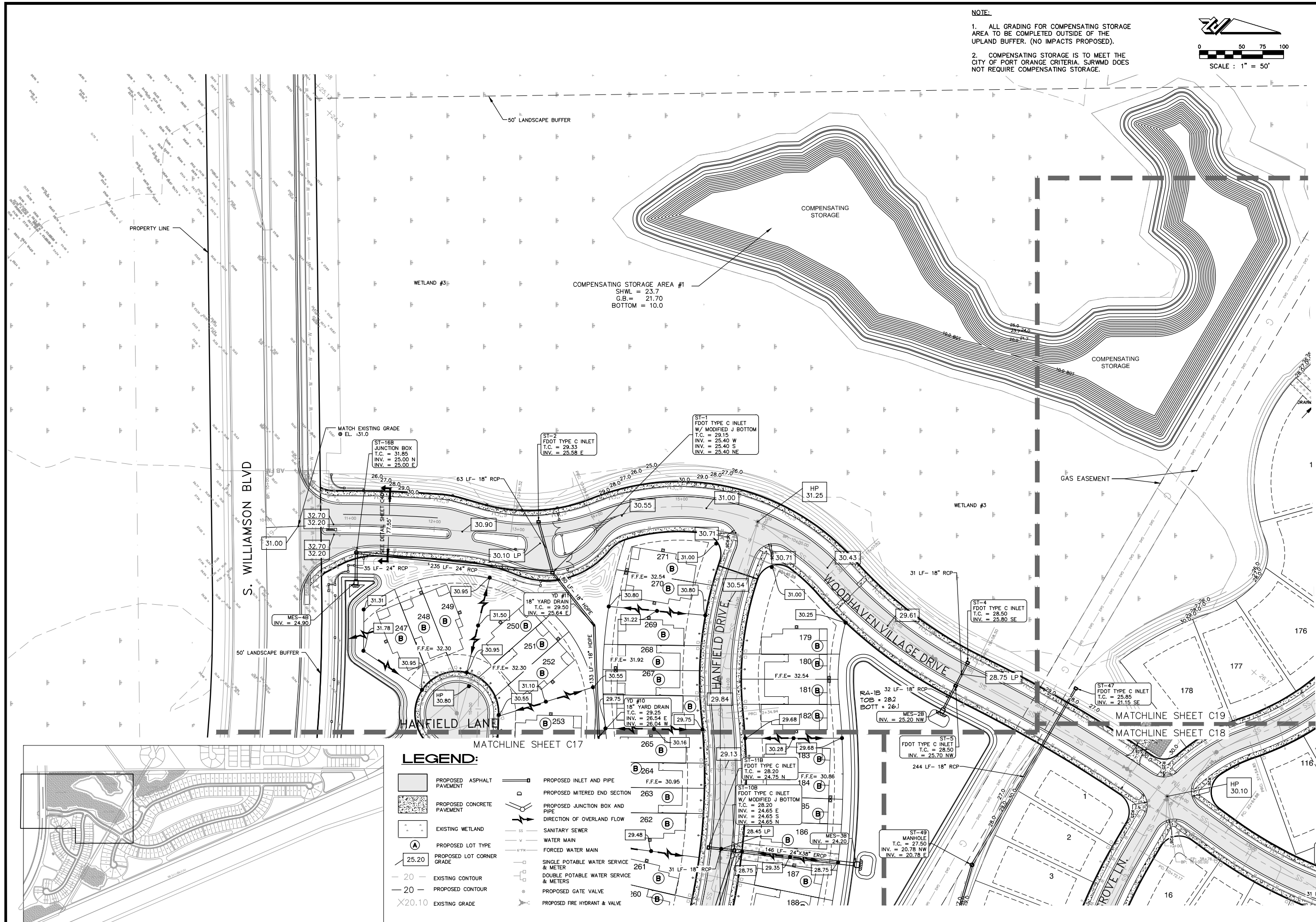
WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
GEOMETRY, SIGNING & STRIPING PLAN
VOLUSIA COUNTY, FL
CITY OF PORT ORANGE

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C10-C15 16011SLP
XREFS: 16011BAS
XREFS: 16011SURV

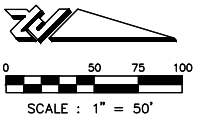


NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E. NO. 60001





NOTE:
1. ALL GRADING FOR COMPENSATING STORAGE AREA TO BE COMPLETED OUTSIDE OF THE UPLAND BUFFER. (NO IMPACTS PROPOSED).
2. COMPENSATING STORAGE IS TO MEET THE CITY OF PORT ORANGE CRITERIA. SJRWMD DOES NOT REQUIRE COMPENSATING STORAGE.



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PLANNERS • TRANSPORTATION • ENVIRONMENTAL
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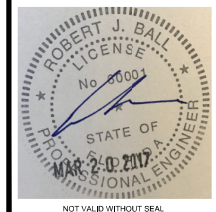
ORMOND BEACH
300 ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD
EDWATER, FL 32117
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS
1	01/25/17	Revisions Per City Comments Dated 01/25/17
2	02/07/17	Revisions Per City Comments Dated 02/07/17
3	03/15/17	Revisions Per City Comments Dated 03/15/17
4	05/16/17	Revisions Per City Comments Dated 05/16/17

**WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PAVING, GRADING & DRAINAGE PLAN**
CITY OF PORT ORANGE
SOLICITA COUNTY, FL

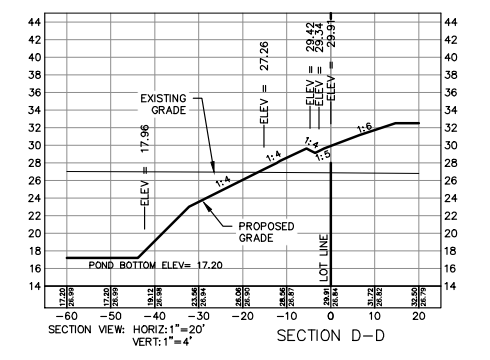
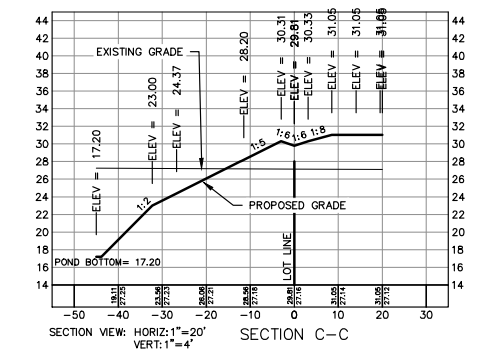
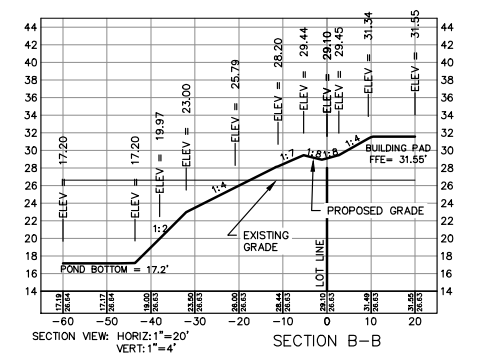
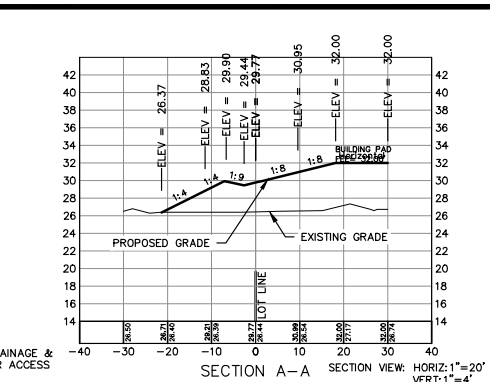
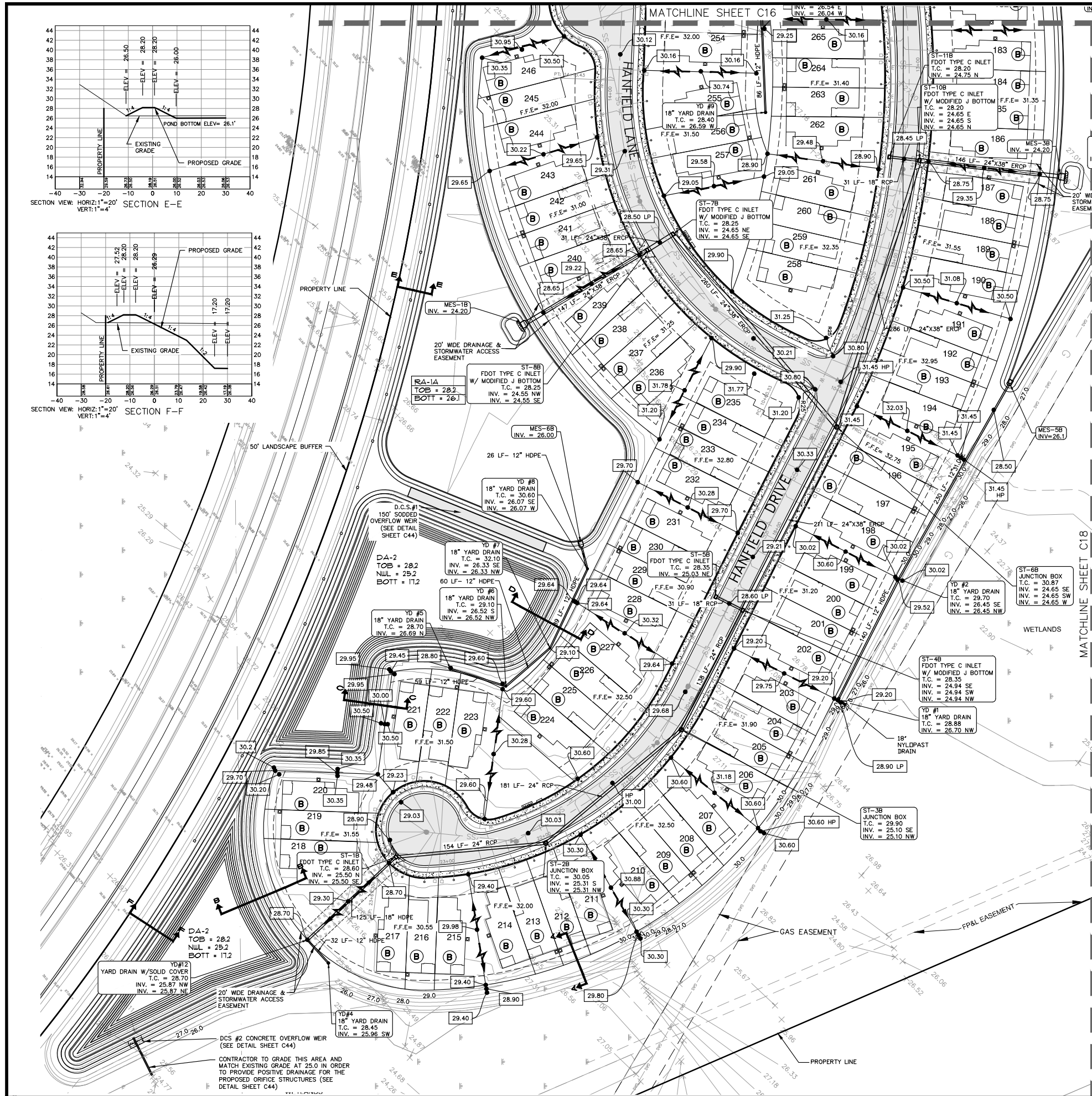
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ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C16-C21 16011PGD
XREFS: 16011BAS
XREFS:



NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., NO. 00001

SCALE: 1"=50'
SHEET: **C16** OF **46**

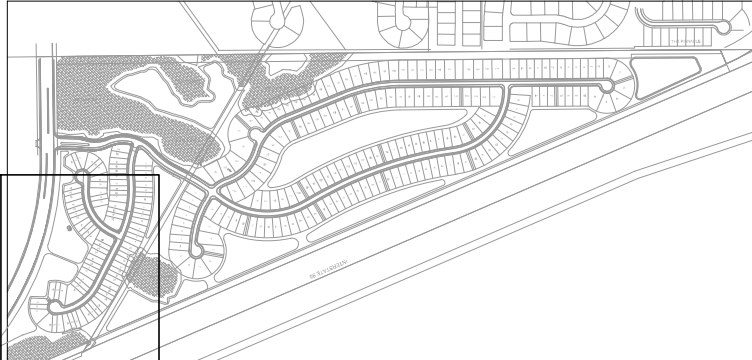
SHEET LOCATION KEY



NOTE:

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- COMPENSATING STORAGE IS TO MEET THE CITY OF PORT ORANGE CRITERIA. SJRWMD DOES NOT REQUIRE COMPENSATING STORAGE.

- LEGEND:**
- PROPOSED ASPHALT PAVEMENT
 - PROPOSED CONCRETE PAVEMENT
 - EXISTING WETLAND
 - PROPOSED LOT TYPE
 - PROPOSED LOT CORNER GRADE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - EXISTING GRADE
 - PROPOSED INLET AND PIPE
 - PROPOSED MITERED END SECTION
 - PROPOSED JUNCTION BOX AND PIPE
 - DIRECTION OF OVERLAND FLOW
 - SANITARY SEWER
 - WATER MAIN
 - FORCED WATER MAIN
 - SINGLE POTABLE WATER SERVICE & METER
 - DOUBLE POTABLE WATER SERVICE & METERS
 - PROPOSED GATE VALVE
 - PROPOSED FIRE HYDRANT & VALVE



SHEET LOCATION KEY

ZEV COHEN & ASSOCIATES, INC.
CIVIL ENGINEERS • LANDSCAPE ARCHITECTS
PLANNERS • TRANSPORTATION • ENVIRONMENTAL
WWW.ZEVCOHEN.COM

ORMOND BEACH
300 ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD
EDWATER, FL 32117
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS
1	01/25/17	Revisions Per City Comments Dated 01/25/17
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3	03/01/17	Revisions Per City Comments Dated 03/01/17
4	03/16/17	Revisions Per City Comments Dated 03/16/17

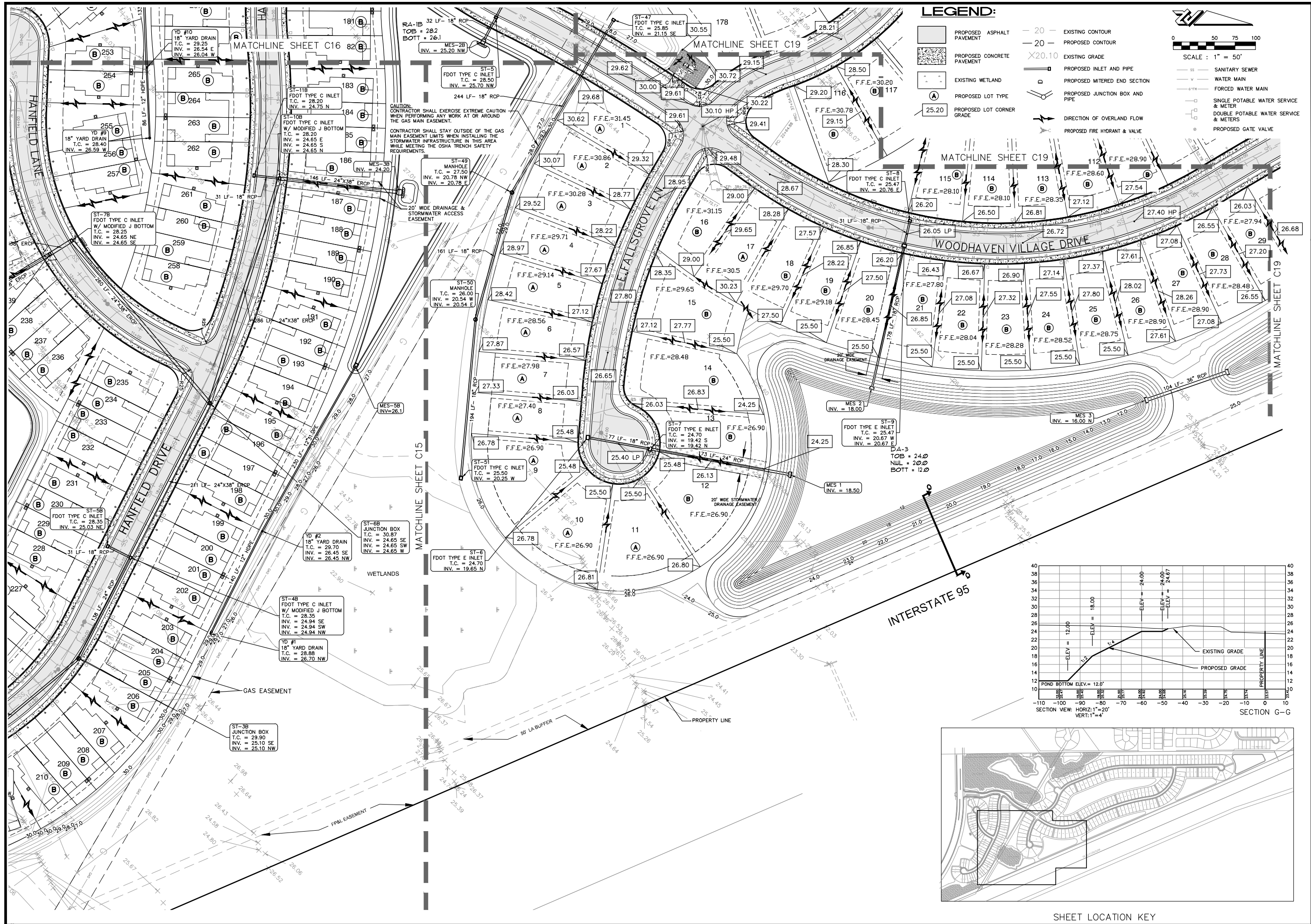
WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PAVING, GRADING & DRAINAGE PLAN
CITY OF PORT ORANGE, FL

PROJECT NO: ZC16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C16-C21 16011PGD
XREFS: 16011BAS
XREFS:

ROBERT J. BALL
LICENSE
No. 0000
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
MAR 28 2017

NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., No. 60001

SCALE: 1"=50'
SHEET: **C17** OF **46**



LEGEND:

- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- EXISTING WETLAND
- PROPOSED LOT TYPE
- PROPOSED LOT CORNER GRADE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING GRADE
- PROPOSED INLET AND PIPE
- PROPOSED MITERED END SECTION
- PROPOSED JUNCTION BOX AND PIPE
- DIRECTION OF OVERLAND FLOW
- PROPOSED FIRE HYDRANT & VALVE
- SANITARY SEWER
- WATER MAIN
- FORCED WATER MAIN
- SINGLE POTABLE WATER SERVICE & METER
- DOUBLE POTABLE WATER SERVICE & METERS
- PROPOSED GATE VALVE



ORMOND BEACH
300 ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

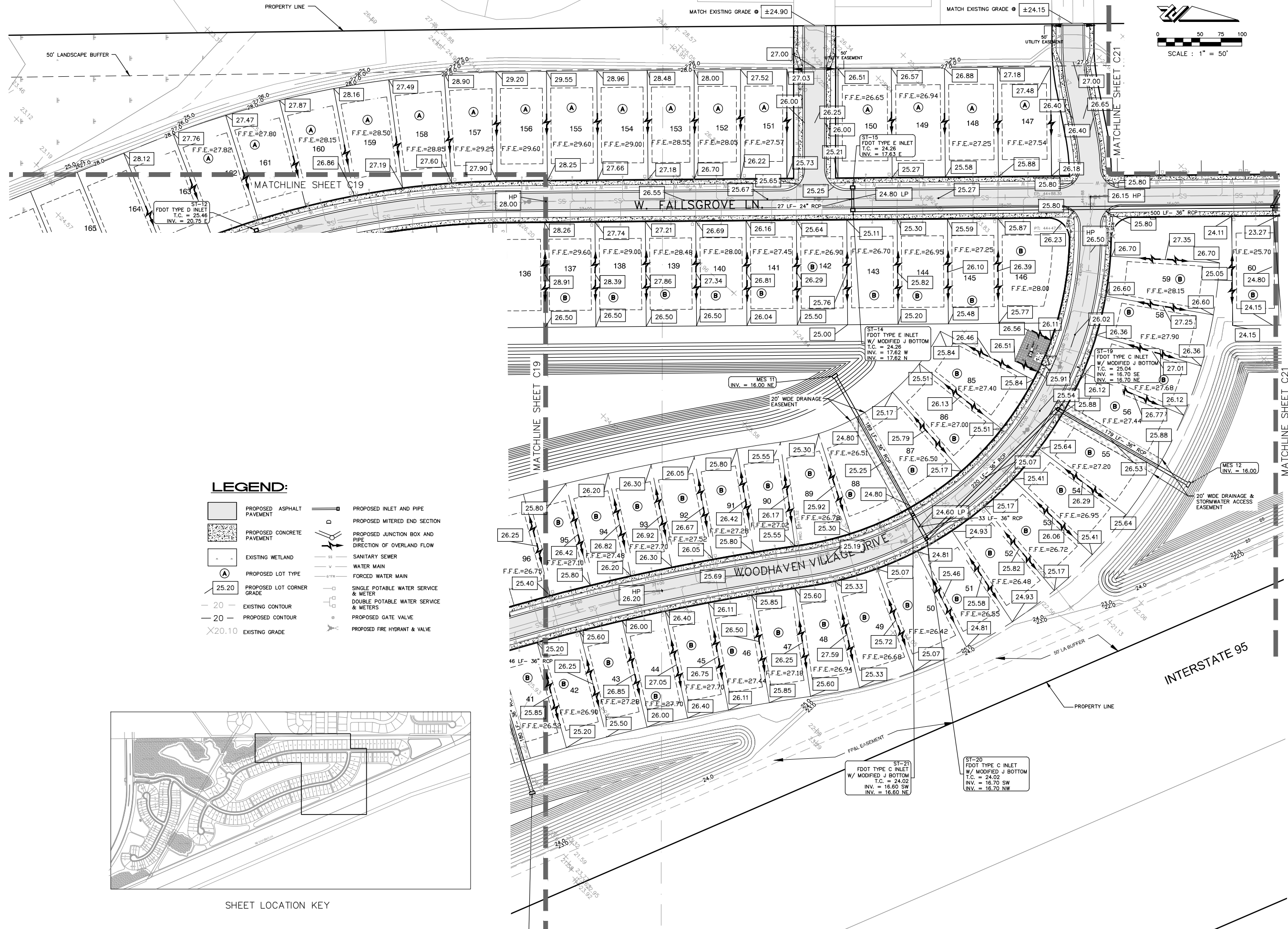
EDGEWATER
1840 AIRPARK ROAD
ORLANDO, FL 32817
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS
1	10/25/17	Revisions Per City Comments Dated 01/25/17
2	10/27/17	Revisions Per City Comments Dated 01/25/17
3	10/27/17	Revisions Per City Comments Dated 02/16/17
4	10/27/17	Revisions Per City Comments Dated 03/17/17

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PAVING, GRADING & DRAINAGE PLAN
CITY OF FORT GRANGE
SOLICITA COUNTY, FL

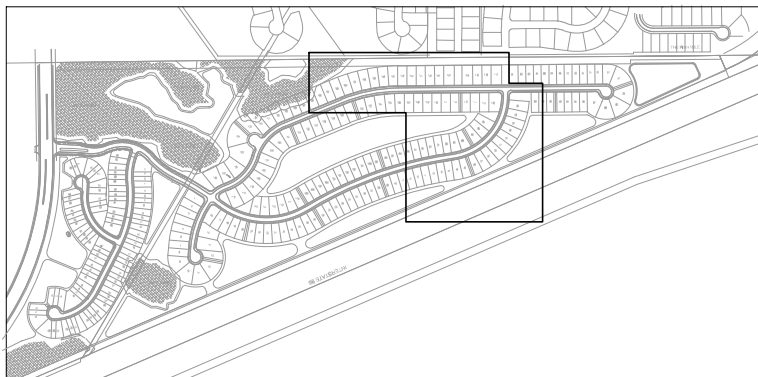
PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C16-C21 16011PGD
XREFS: 16011BAS
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NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., NO. 10003
SCALE: 1"=50'
SHEET: C18 OF 46

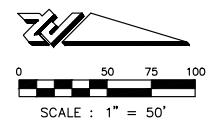


LEGEND:

- | | | | |
|--|----------------------------|--|---------------------------------------|
| | PROPOSED ASPHALT PAVEMENT | | PROPOSED INLET AND PIPE |
| | PROPOSED CONCRETE PAVEMENT | | PROPOSED MITRED END SECTION |
| | EXISTING WETLAND | | PROPOSED JUNCTION BOX AND PIPE |
| | PROPOSED LOT TYPE | | DIRECTION OF OVERLAND FLOW |
| | PROPOSED LOT CORNER GRADE | | SANITARY SEWER |
| | EXISTING CONTOUR | | WATER MAIN |
| | PROPOSED CONTOUR | | FORCED WATER MAIN |
| | EXISTING GRADE | | SINGLE POTABLE WATER SERVICE & METER |
| | | | DOUBLE POTABLE WATER SERVICE & METERS |
| | | | PROPOSED GATE VALVE |
| | | | PROPOSED FIRE HYDRANT & VALVE |



SHEET LOCATION KEY



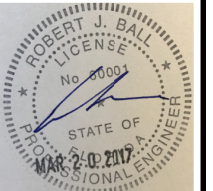
ORMOND BEACH
300 ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD
ORLANDO, FL 32817
(386) 677-2482 FAX (386) 677-2505

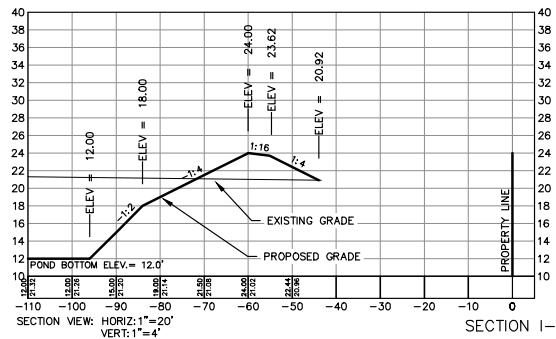
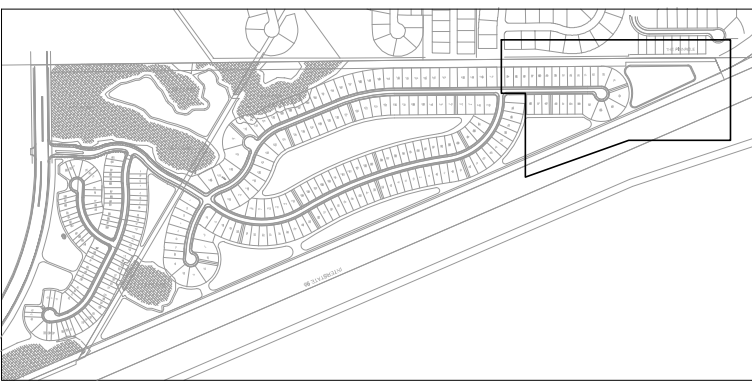
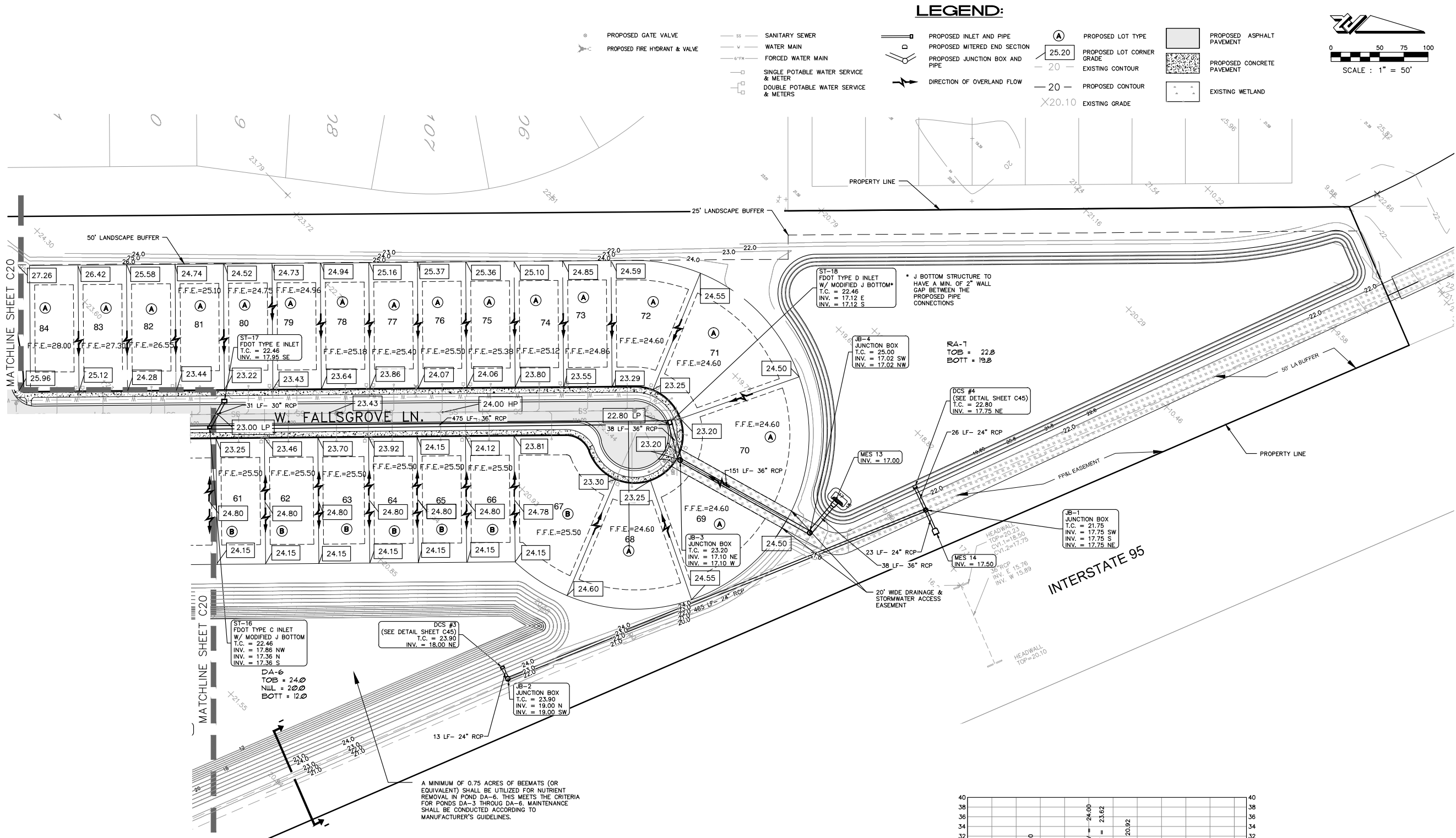
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3	03/01/17	Revisions Per City Comments Dated 02/01/17
4	05/16/17	Revisions Per City Comments Dated 03/17/17

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PAVING, GRADING & DRAINAGE PLAN
CITY OF PORT CHARLIE

PROJECT NO:	ZC 16011
ISSUE DATE:	10-28-2016
DESIGNED BY:	HK
DRAFTED BY:	CW/IR
CHECKED BY:	BB
DRAWING FILE:	C14-C19 16011PGD
XREFS:	16011BAS
XREFS:	



NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., NO. 20001



SHEET LOCATION KEY



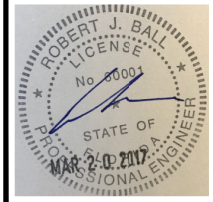
ORMOND BEACH
300 ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD
300 ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

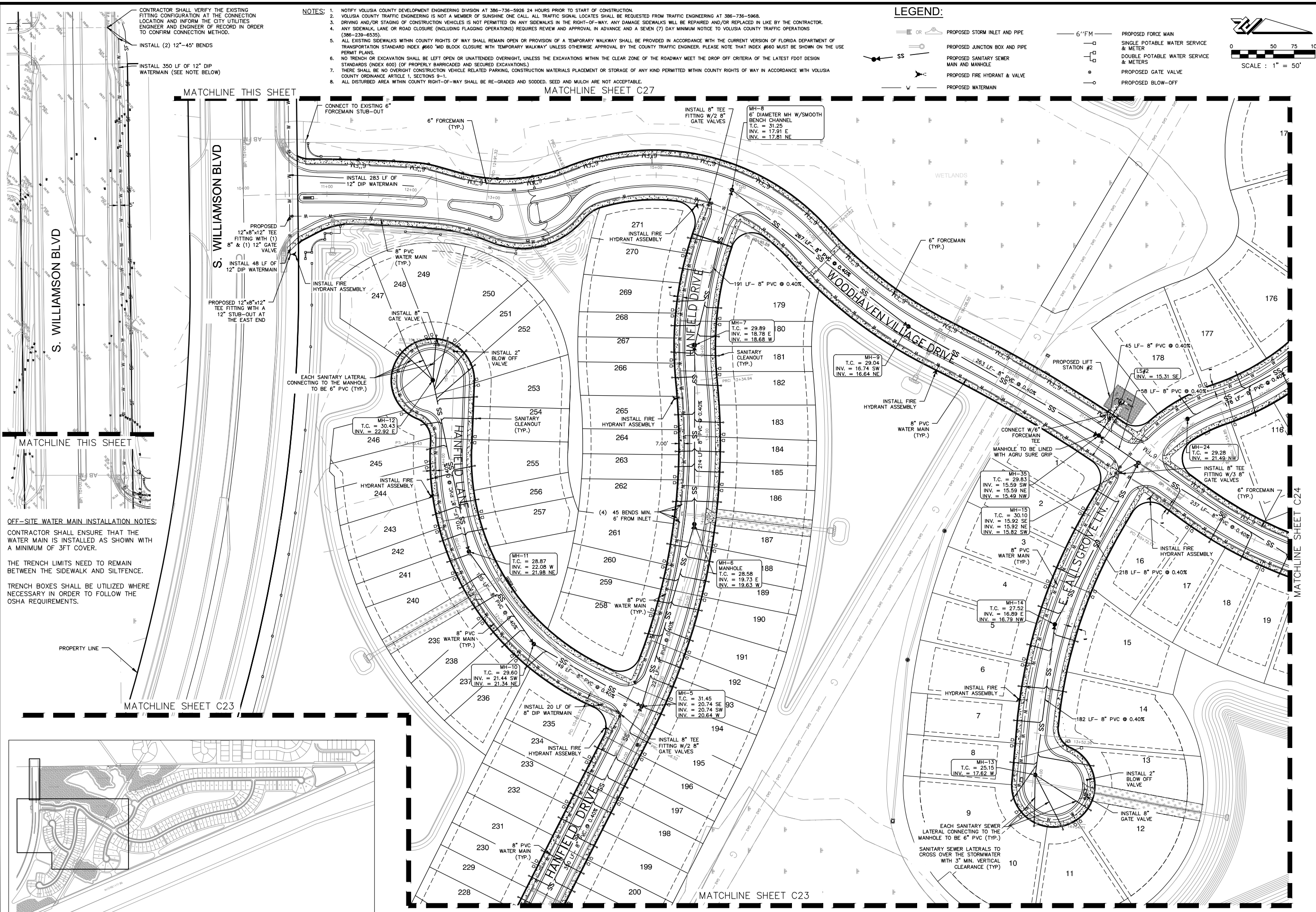
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3	03/01/17	Revisions Per City Comments Dated 02/06/17
4	05/16/17	Revisions Per City Comments Dated 03/17/17

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PAVING, GRADING & DRAINAGE PLAN
CITY OF PORT CHARLIE
SOLICIA COUNTY, FL

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C14-C19 16011PGD
XREFS: 16011BAS
XREFS:



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ROBERT J. BALL, P.E., NO. 20001



CONTRACTOR SHALL VERIFY THE EXISTING FITTING CONFIGURATION AT THE CONNECTION LOCATION AND INFORM THE CITY UTILITIES ENGINEER AND ENGINEER OF RECORD IN ORDER TO CONFIRM CONNECTION METHOD.

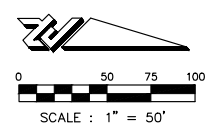
INSTALL (2) 12"-45" BENDS

INSTALL 350 LF OF 12" DIP WATERMAIN (SEE NOTE BELOW)

- NOTES:
1. NOTIFY VOLUSIA COUNTY DEVELOPMENT ENGINEERING DIVISION AT 386-736-5926 24 HOURS PRIOR TO START OF CONSTRUCTION.
 2. VOLUSIA COUNTY TRAFFIC ENGINEERING IS NOT A MEMBER OF SUNSHINE ONE CALL. ALL TRAFFIC SIGNAL LOCATES SHALL BE REQUESTED FROM TRAFFIC ENGINEERING AT 386-736-5968.
 3. DRIVING AND/OR STAGING OF CONSTRUCTION VEHICLES IS NOT PERMITTED ON ANY SIDEWALKS IN THE RIGHT-OF-WAY. ANY DAMAGE SIDEWALKS WILL BE REPAIRED AND/OR REPLACED IN LIKE BY THE CONTRACTOR.
 4. ANY SIDEWALK, LANE OR ROAD CLOSURE (INCLUDING FLAGGING OPERATIONS) REQUIRES REVIEW AND APPROVAL IN ADVANCE AND A SEVEN (7) DAY MINIMUM NOTICE TO VOLUSIA COUNTY TRAFFIC OPERATIONS (386-239-6535).
 5. ALL EXISTING SIDEWALKS WITHIN COUNTY RIGHTS OF WAY SHALL REMAIN OPEN OR PROVISION OF A TEMPORARY WALKWAY SHALL BE PROVIDED IN ACCORDANCE WITH THE CURRENT VERSION OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD INDEX #660 'MID BLOCK CLOSURE WITH TEMPORARY WALKWAY' UNLESS OTHERWISE APPROVAL BY THE COUNTY TRAFFIC ENGINEER. PLEASE NOTE THAT INDEX #660 MUST BE SHOWN ON THE USE PERMIT PLANS.
 6. NO TRENCH OR EXCAVATION SHALL BE LEFT OPEN OR UNATTENDED OVERNIGHT, UNLESS THE EXCAVATIONS WITHIN THE CLEAR ZONE OF THE ROADWAY MEET THE DROP OFF CRITERIA OF THE LATEST FDOT DESIGN STANDARDS (INDEX 600) (OF PROPERLY BARRICADED AND SECURED EXCAVATIONS).
 7. THERE SHALL BE NO OVERNIGHT CONSTRUCTION VEHICLE RELATED PARKING, CONSTRUCTION MATERIALS PLACEMENT OR STORAGE OF ANY KIND PERMITTED WITHIN COUNTY RIGHTS OF WAY IN ACCORDANCE WITH VOLUSIA COUNTY ORDINANCE ARTICLE 1, SECTIONS 9-1.
 8. ALL DISTURBED AREA WITHIN COUNTY RIGHT-OF-WAY SHALL BE RE-GRADED AND SOODED. SEED AND MULCH ARE NOT ACCEPTABLE.

LEGEND:

- PROPOSED STORM INLET AND PIPE
- PROPOSED JUNCTION BOX AND PIPE
- PROPOSED SANITARY SEWER MAIN AND MANHOLE
- PROPOSED FIRE HYDRANT & VALVE
- PROPOSED WATERMAIN
- PROPOSED FORCE MAIN
- SINGLE POTABLE WATER SERVICE & METER
- DOUBLE POTABLE WATER SERVICE & METERS
- PROPOSED GATE VALVE
- PROPOSED BLOW-OFF

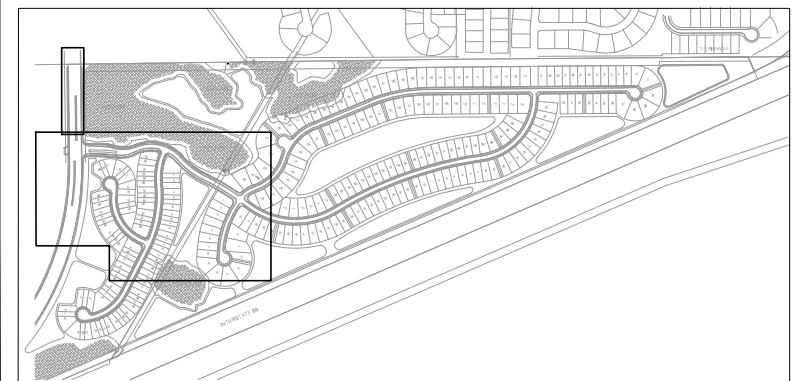


OFF-SITE WATER MAIN INSTALLATION NOTES:

CONTRACTOR SHALL ENSURE THAT THE WATER MAIN IS INSTALLED AS SHOWN WITH A MINIMUM OF 3FT COVER.

THE TRENCH LIMITS NEED TO REMAIN BETWEEN THE SIDEWALK AND SILTFENCE.

TRENCH BOXES SHALL BE UTILIZED WHERE NECESSARY IN ORDER TO FOLLOW THE OSHA REQUIREMENTS.



SHEET LOCATION KEY

ZEV COHEN & ASSOCIATES, INC.
CIVIL ENGINEERS • LANDSCAPE ARCHITECTS
PLANNERS • TRANSPORTATION • ENVIRONMENTAL
WWW.ZEVCOHEN.COM

ORMOND BEACH
1840 AIRPARK ROAD
3RD FLOOR
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD
3RD FLOOR
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS	BY
1	01/25/17	Revisions Per City Comments Dated 01/25/17	TRK
2	02/07/17	Revisions Per City Comments Dated 01/25/17	TRK
3	03/01/17	Revisions Per City Comments Dated 02/16/17	TRK
4	03/16/17	Revisions Per City Comments Dated 03/17/17	TRK

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
MASTER UTILITY PLAN

CITY OF PORT ORANGE
VOLUSIA COUNTY, FL

PROJECT NO: ZC 16011

ISSUE DATE: 10-28-2016

DESIGNED BY: HK

DRAFTED BY: CWTR

CHECKED BY: BB

DRAWING FILE: C22-C27 16011UTL
XREFS: 16011BAS
XREFS: 16011IB

NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., NO. 60001

SCALE: 1"=50'

SHEET: **C22** OF **46**



- | | |
|---|--|
|  | PROPOSED STORM INLET AND PIPE |
|  | PROPOSED JUNCTION BOX AND PIPE |
|  | PROPOSED SANITARY SEWER
MAN AND MANHOLE |
|  | PROPOSED FIRE HYDRANT & VALVE |
|  | PROPOSED WATERMAIN |
|  | PROPOSED FORCE MAIN |
|  | SINGLE POTABLE WATER SERVICE
& METER |
|  | DOUBLE POTABLE WATER SERVICE
& METERS |
|  | PROPOSED GATE VALVE |
|  | PROPOSED BLOW-OFF |



ORMOND BEACH
300 INTERCHANGE BLVD., STE. C
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD
EDGEWATER, FL 32132
(386) 677-2482 FAX (386) 677-2505

[illegible]

**WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
MASTER UTILITY PLAN**

CITY OF PORT ORANGE
VOLUISIA COUNTY E

PROJECT NO: ZC 16011

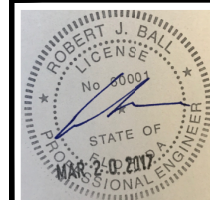
ISSUE DATE: 10-28-2016

DESIGNED BY: HK

DRAFTED BY: CW/TR

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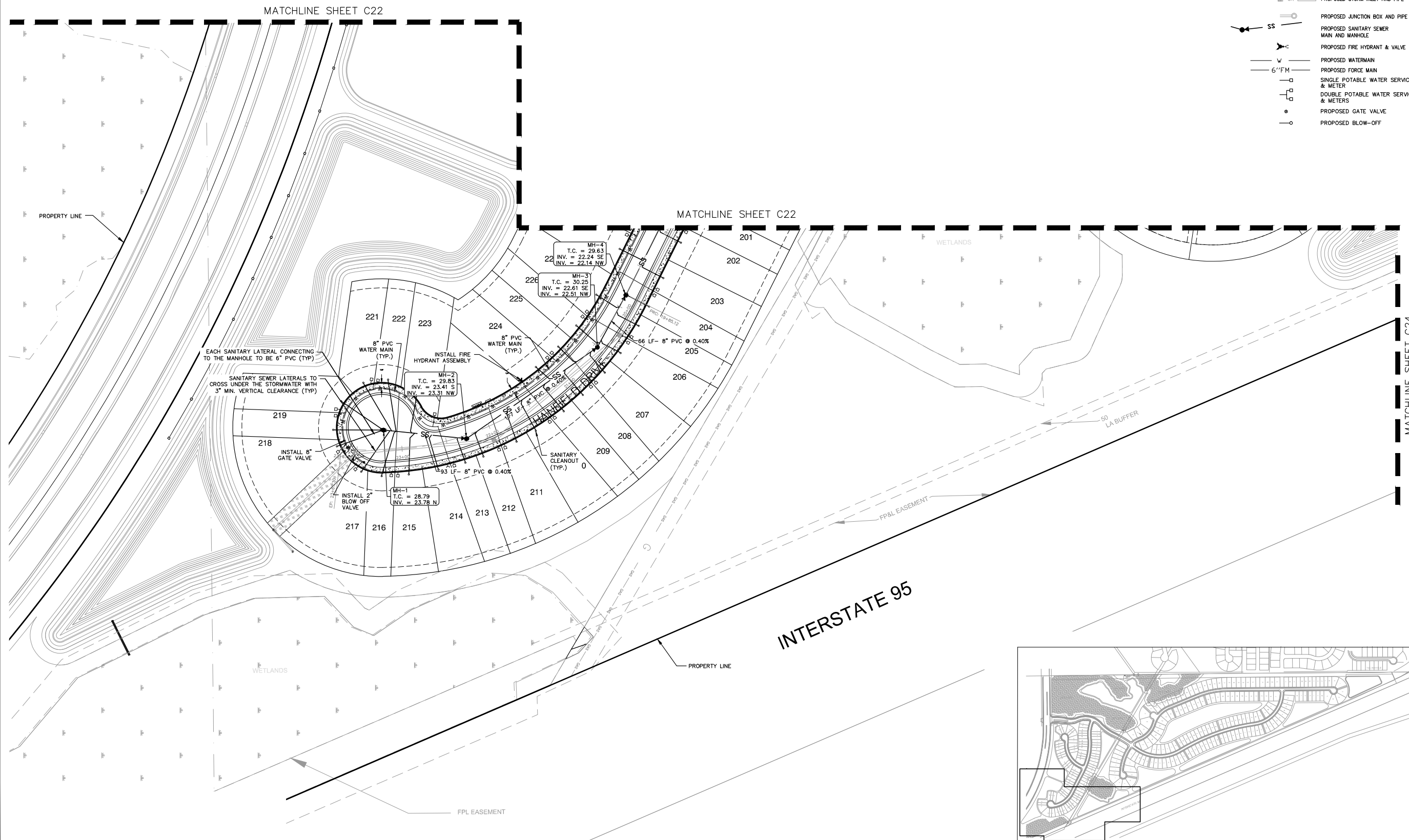
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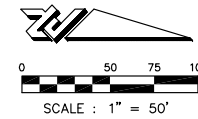
NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E. NO. 6000

SCALE: 1"=50'

SHEET: C23 OF 46



SHEET LOCATION KEY



ORMOND BEACH
300 AIRPORT ROAD
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

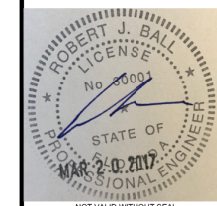
EDGEWATER
1840 AIRPORT ROAD
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS	BY
1	01/25/17	Revisions Per City Comments Dated 01/25/17	TOR
2	02/07/17	Revisions Per City Comments Dated 01/25/17	TOR
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4	05/15/17	Revisions Per City Comments Dated 03/17/17	TOR

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
MASTER UTILITY PLAN

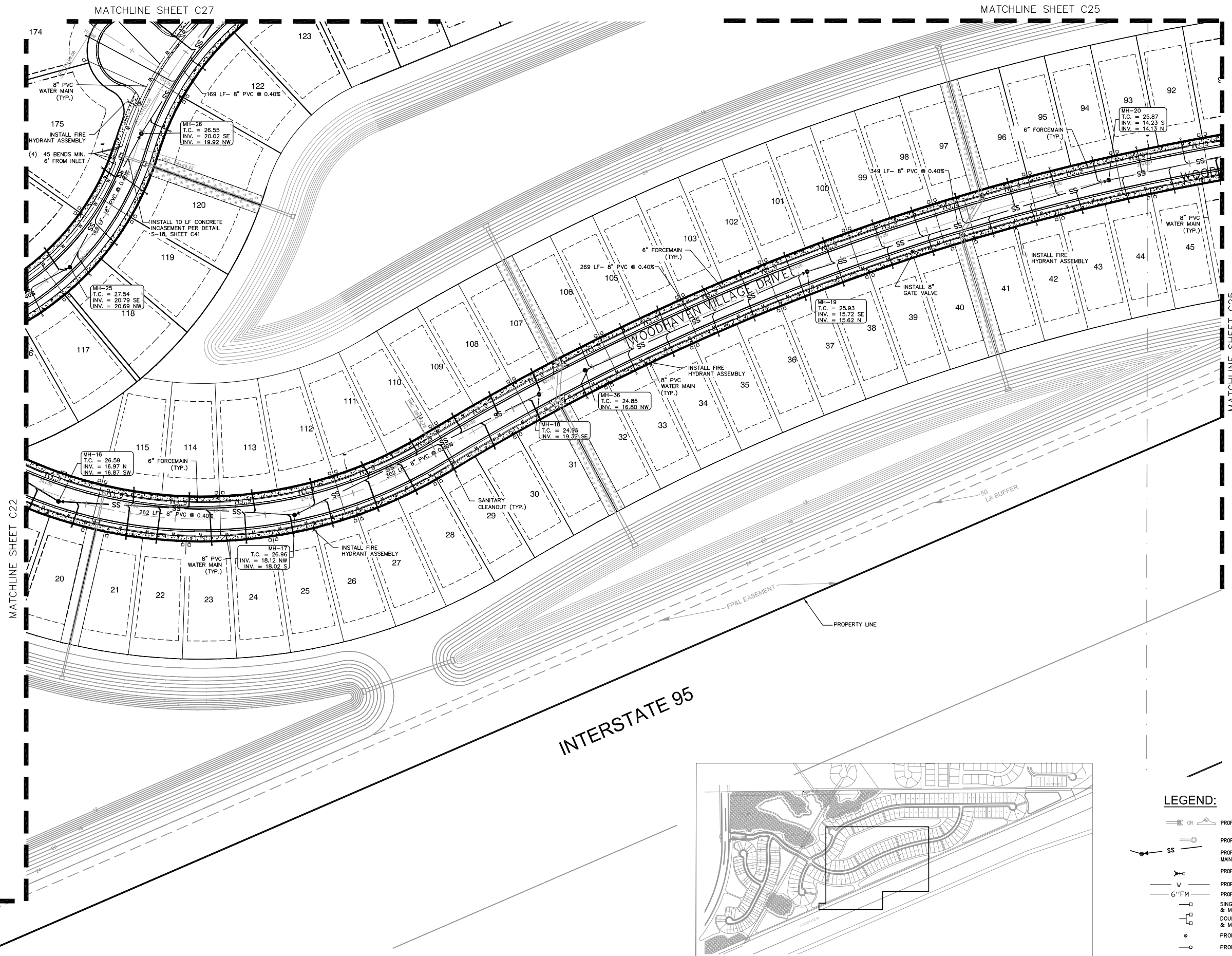
CITY OF PORT ORANGE
VOLusia COUNTY, FL

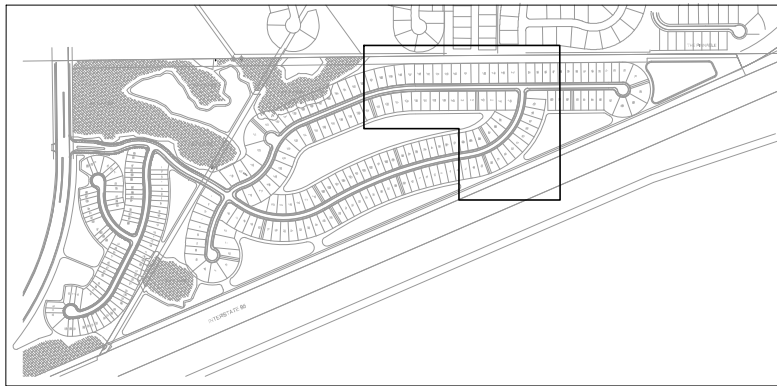
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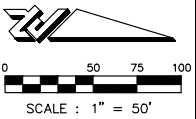
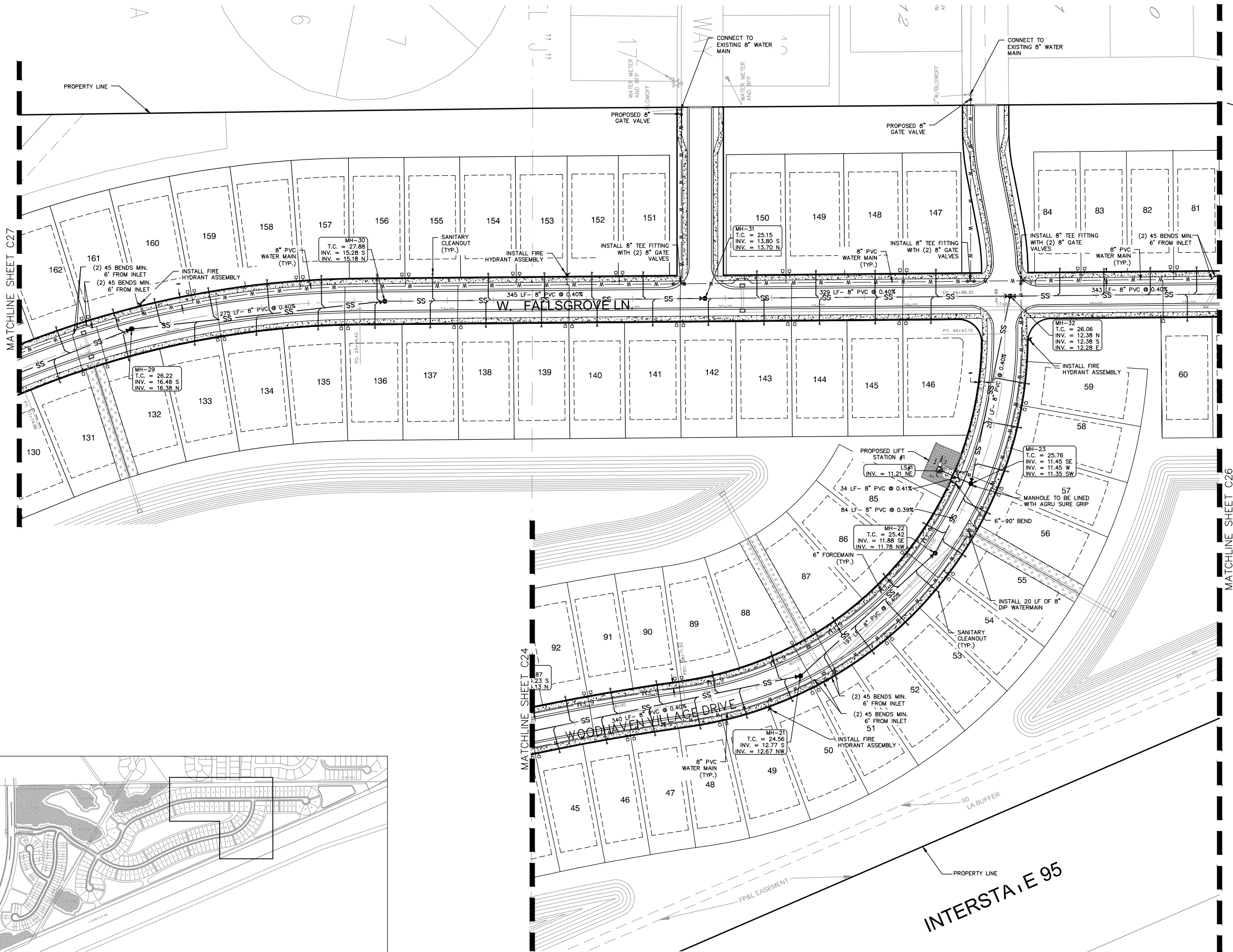
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ROBERT J. BALL, P.E. NO. 60001

SCALE: 1"=50'
SHEET: C24 OF 46





SHEET LOCATION KEY



SCALE : 1" = 50'

LEGEND:

- PROPOSED STORM INLET AND PIPE
- PROPOSED JUNCTION BOX AND PIPE
- PROPOSED SANITARY SEWER MAIN AND MANHOLE
- PROPOSED FIRE HYDRANT & VALVE
- PROPOSED WATERMAIN
- PROPOSED FORCE MAIN
- SINGLE POTABLE WATER SERVICE & METER
- DOUBLE POTABLE WATER SERVICE & METERS
- PROPOSED GATE VALVE
- PROPOSED BLOW-OFF



ORMOND BEACH
300 ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD
EDW. ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS
1	01.25.17	Revisions Per City Comments Dated 01.25.17
2	02.07.17	Revisions Per City Comments Dated 01.25.17
3	03.01.17	Revisions Per City Comments Dated 02.06.17
4	05.16.17	Revisions Per City Comments Dated 03.17.17

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
MASTER UTILITY PLAN

VOLUSIA COUNTY, FL
CITY OF FORT ORANGE

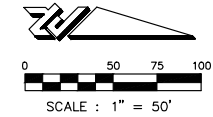
PROJECT NO:	ZC 16011
ISSUE DATE:	10-28-2016
DESIGNED BY:	HK
DRAFTED BY:	CW/IR
CHECKED BY:	BB
DRAWING FILE:	C22-C27 16011UTL
XREFS:	16011BAS
XREFS:	16011IB



NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., NO. 80001

SCALE: 1"=50'

SHEET: C25 OF 46



ORMOND BEACH
3100 W. ORMOND BEACH BLVD., SUITE C
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

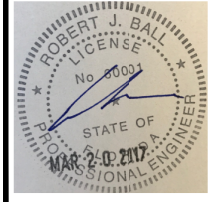
EDGEWATER
1840 AIRPARK ROAD, SUITE 202
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS	BY
1	01.25.17	Revisions Per City Comments Dated 01.25.17	TKR
2	02.07.17	Revisions Per City Comments Dated 01.25.17	TKR
3	03.01.17	Revisions Per City Comments Dated 02.08.17	TKR
4	05.16.17	Revisions Per City Comments Dated 03.17.17	TKR

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
MASTER UTILITY PLAN

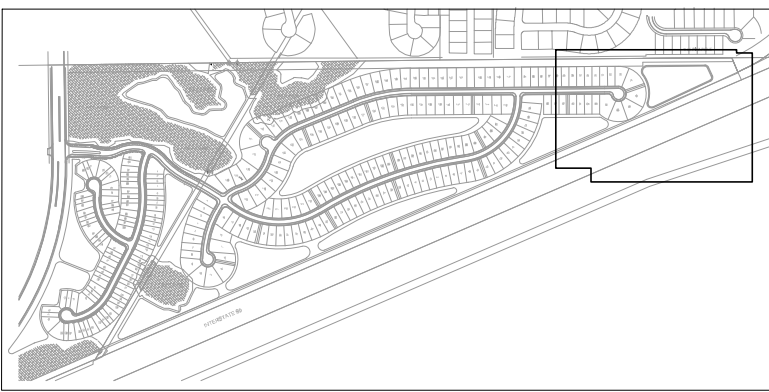
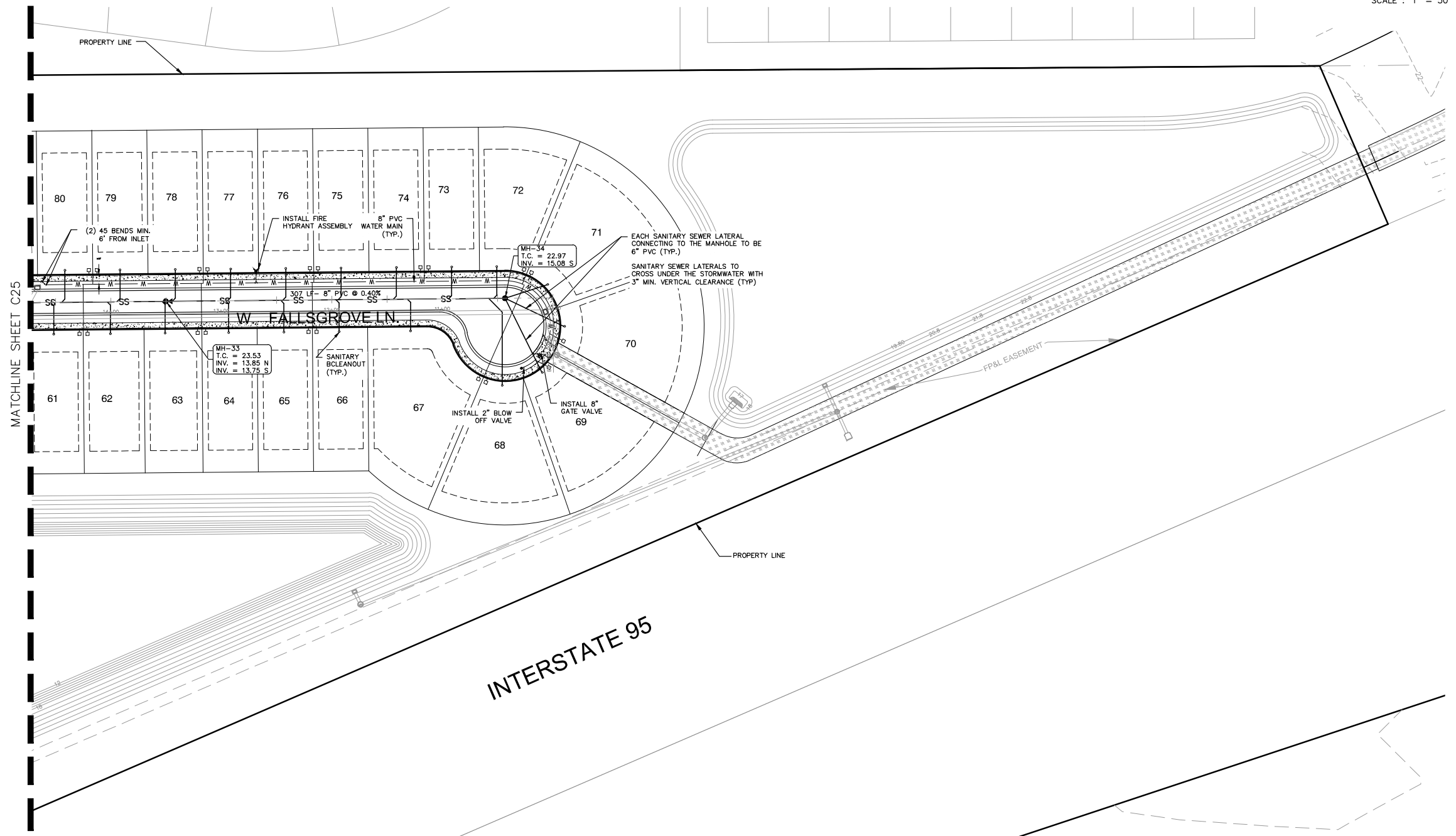
CITY OF PORT ORANGE
VOLusia COUNTY, FL

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C22-C27 16011UTL
XREFS: 16011BAS
XREFS: 16011IB



NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., NO. 00001

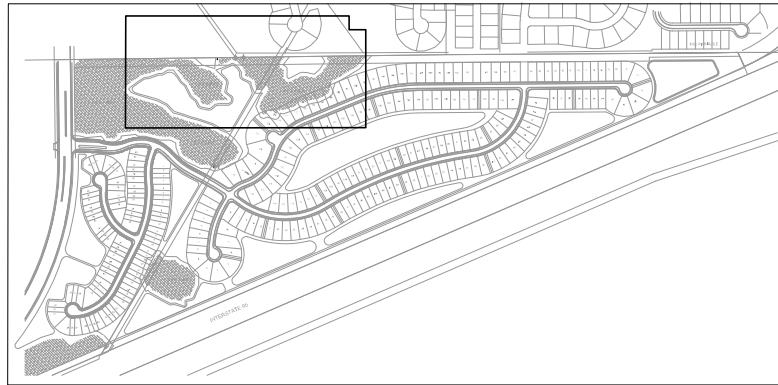
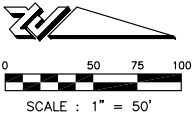
SCALE: 1"=50'
SHEET: C26 OF 46



SHEET LOCATION KEY

LEGEND:

- PROPOSED STORM INLET AND PIPE
- PROPOSED JUNCTION BOX AND PIPE
- PROPOSED SANITARY SEWER MAIN AND MANHOLE
- PROPOSED FIRE HYDRANT & VALVE
- PROPOSED WATERMAIN
- PROPOSED FORCE MAIN
- SINGLE POTABLE WATER SERVICE & METER
- DOUBLE POTABLE WATER SERVICE & METERS
- PROPOSED GATE VALVE
- PROPOSED BLOW-OFF



LEGEND:

- PROPOSED STORM INLET AND PIPE
- PROPOSED JUNCTION BOX AND PIPE
- PROPOSED SANITARY SEWER MAIN AND MANHOLE
- PROPOSED FIRE HYDRANT & VALVE
- PROPOSED WATERMAIN
- PROPOSED FORCE MAIN
- SINGLE POTABLE WATER SERVICE & METER
- DOUBLE POTABLE WATER SERVICE & METERS
- PROPOSED GATE VALVE
- PROPOSED BLOW-OFF

SHEET LOCATION KEY

ZEV COHEN & ASSOCIATES, INC.
CIVIL ENGINEERS • LANDSCAPE ARCHITECTS
PLANNERS • TRANSPORTATION • ENVIRONMENTAL
WWW.ZEVCOHEN.COM

ORMOND BEACH
3100 E. PALM BEACH BLVD., SUITE 200
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPORT ROAD
EDWATER, FL 32117
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS	BY
1	01.25.17	Revisions Per City Comments Dated 01.25.17	TOR
2	02.07.17	Revisions Per City Comments Dated 01.25.17	TOR
3	03.07.17	Revisions Per City Comments Dated 02.16.17	TOR
4	05.16.17	Revisions Per City Comments Dated 03.17.17	REVISED

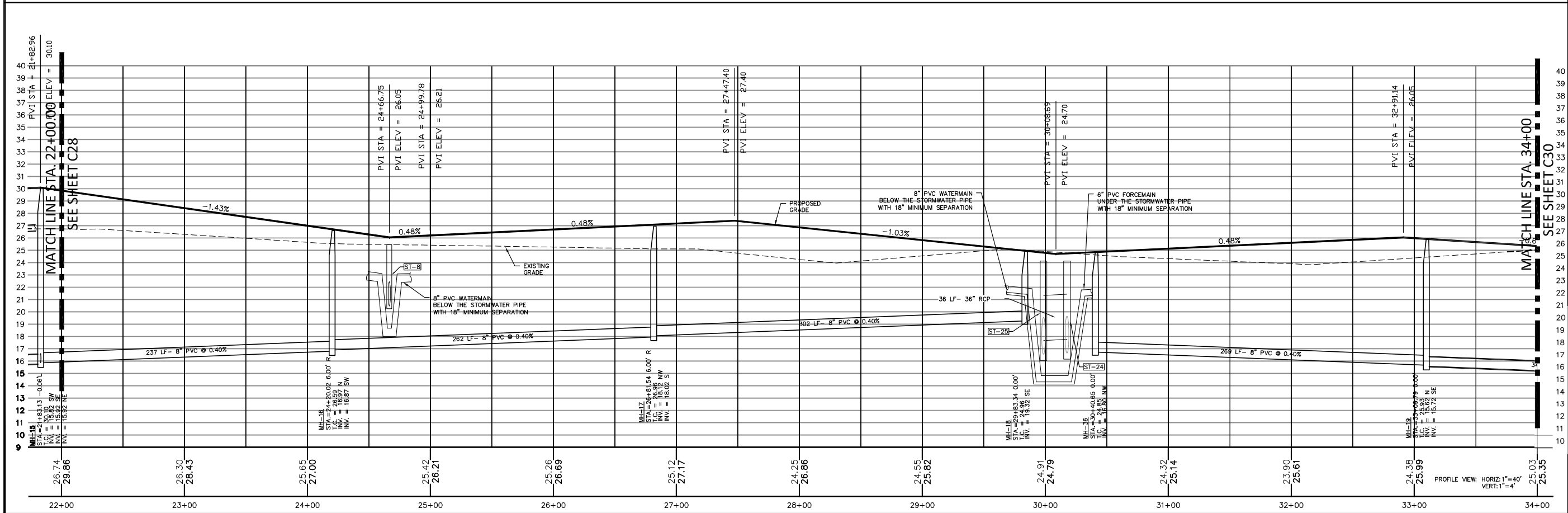
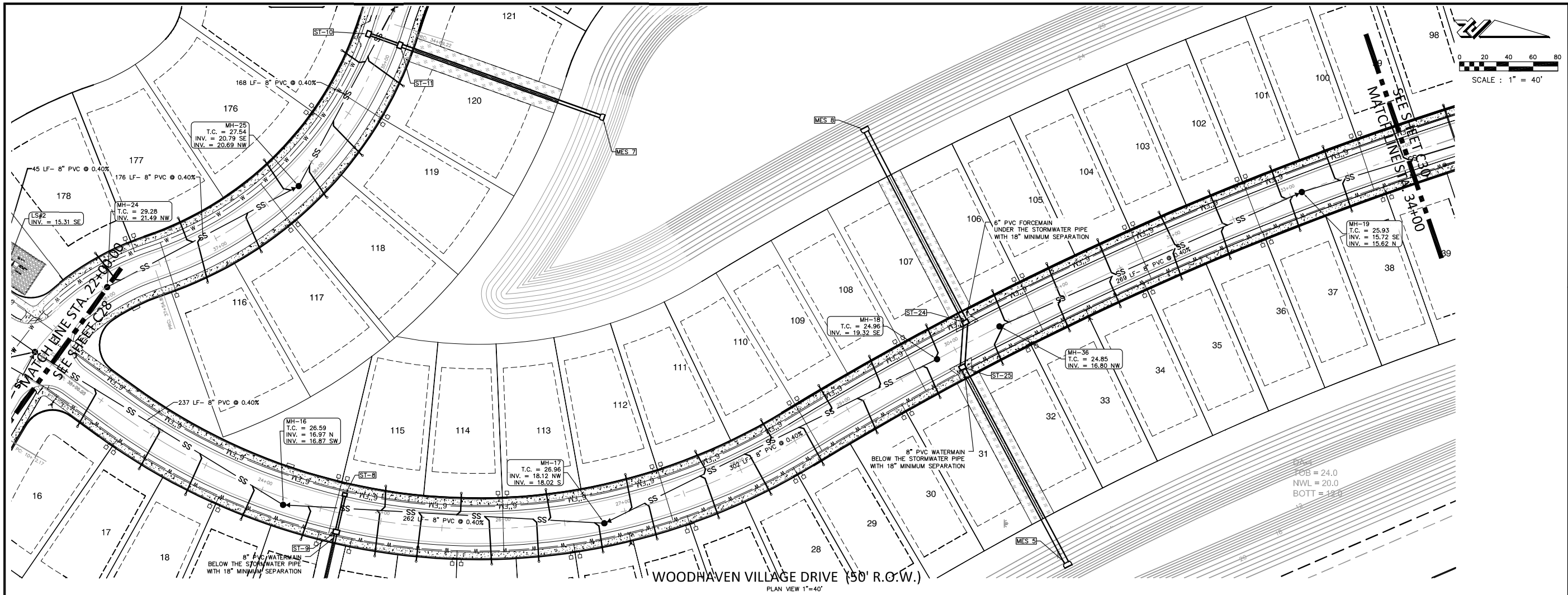
WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
MASTER UTILITY PLAN

CITY OF PORT ORANGE
VOLusia COUNTY, FL

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C22-C27 16011UTL
XREFS: 16011BAS
XREFS: 16011TB



NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E. No. 60001



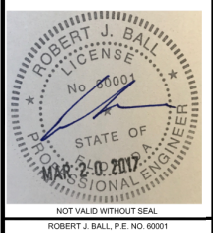
ORMOND BEACH
300 S. ORMOND BEACH ROAD
(386) 677-2482 FAX (386) 677-2505

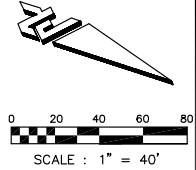
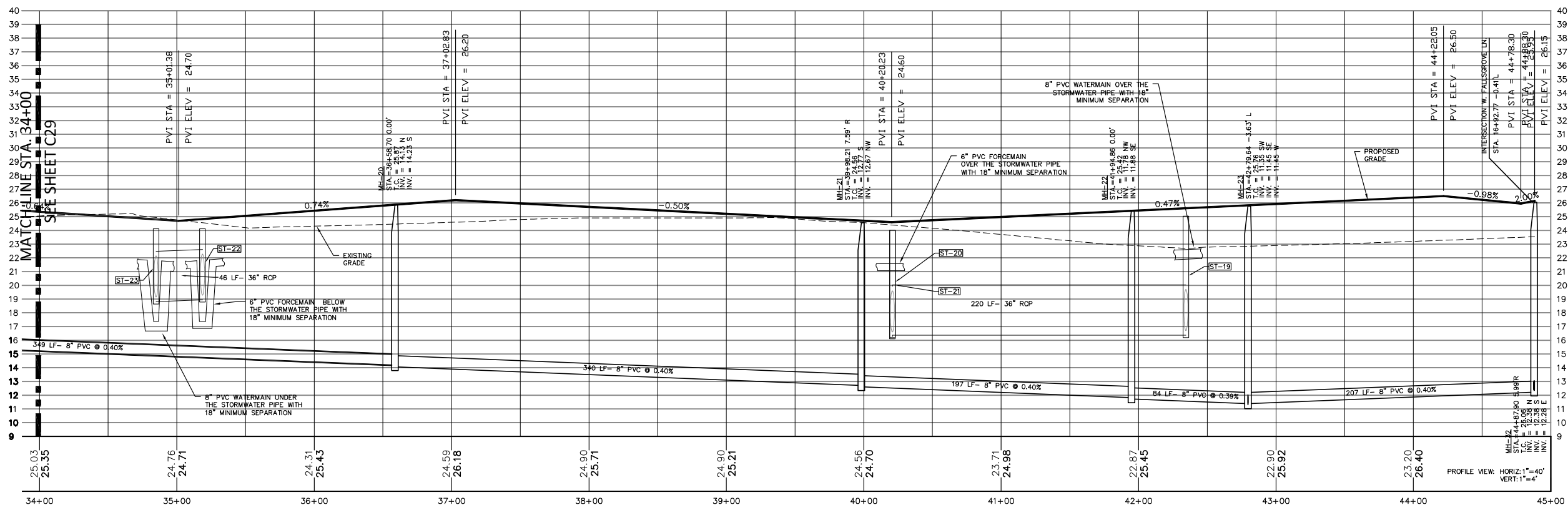
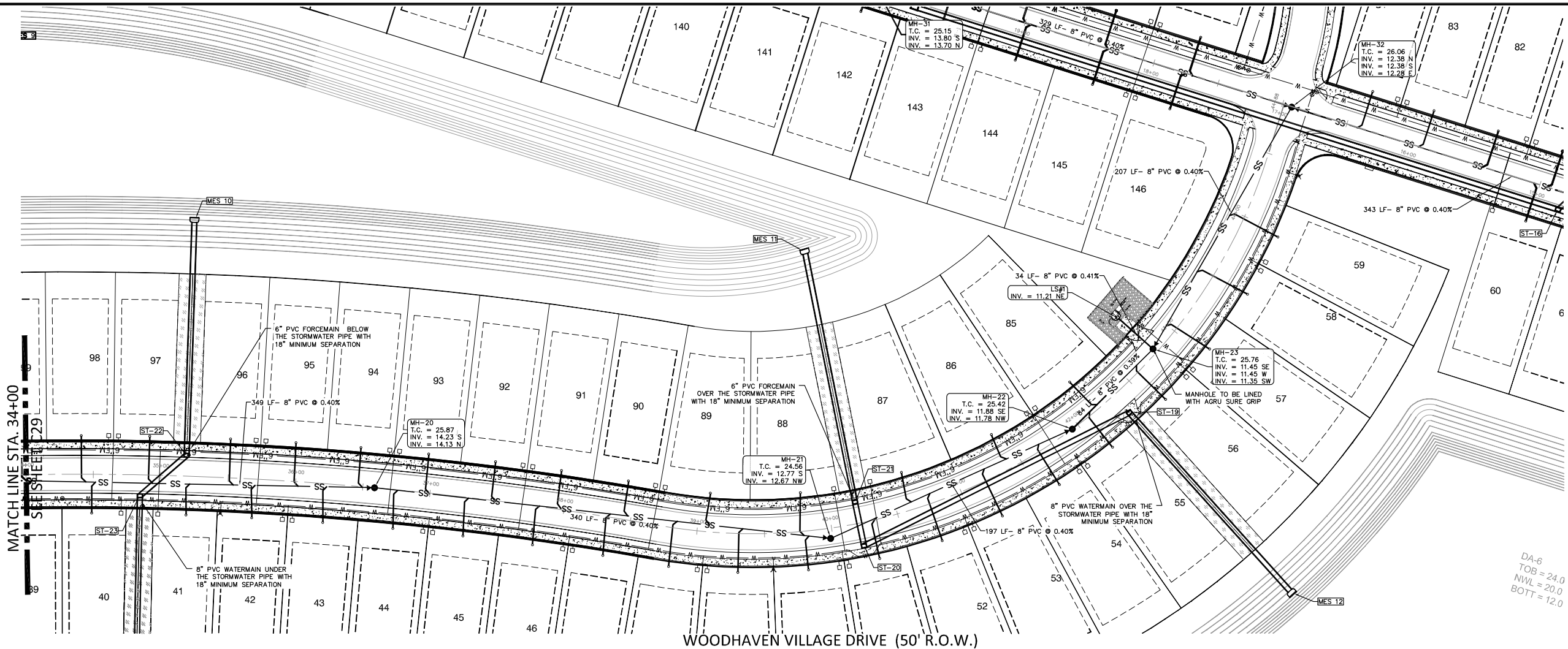
EDGEWATER
1840 AIRPORT ROAD
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS	BY
1	01/25/17	Revisions Per City Comments Dated 01/25/17	TOR
2	02/07/17	Revisions Per City Comments Dated 01/25/17	TOR
3	03/07/17	Revisions Per City Comments Dated 02/16/17	TOR
4	05/16/17	Revisions Per City Comments Dated 03/17/17	REVISED

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PLAN & PROFILE
WOODHAVEN VILLAGE (STA. 22+00 - STA. 34+00)
CITY OF PORT ORANGE
SOLICITA COUNTY, FL

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C28-C37 16011PP
XREFS: 16011BAS
XREFS: 16011TB





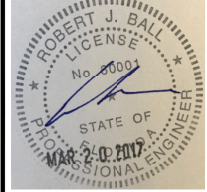
ORMOND BEACH
1840 AIRPORT ROAD
300 ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPORT ROAD
300 ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

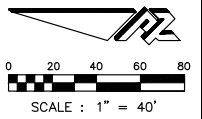
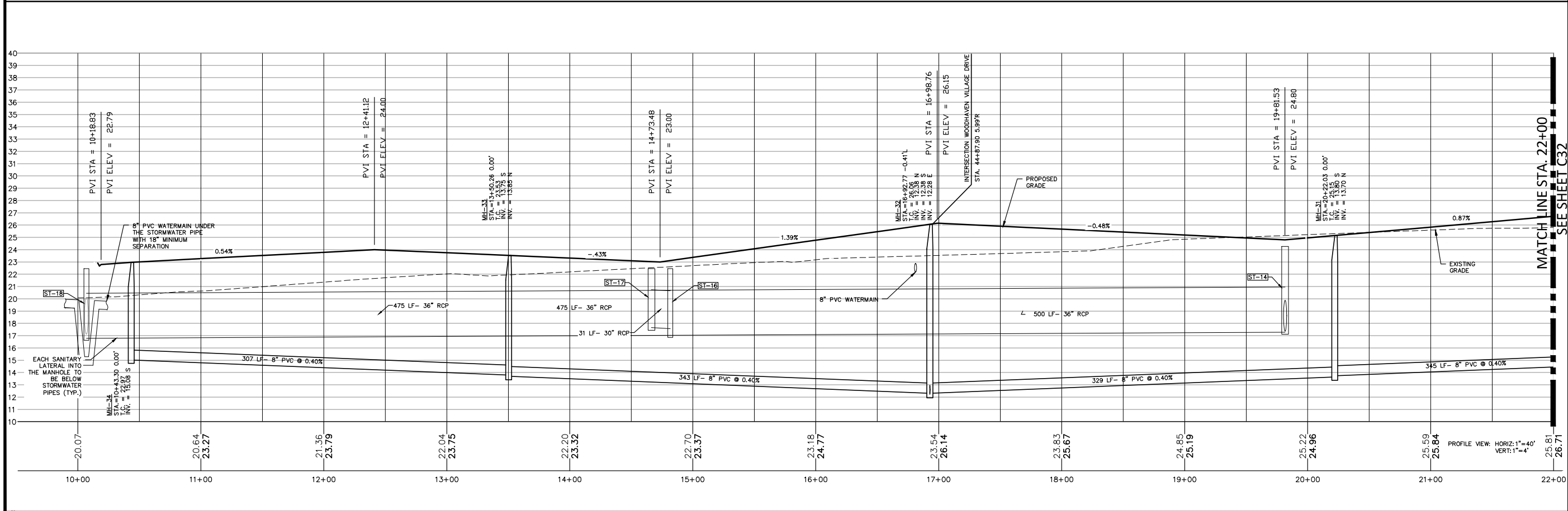
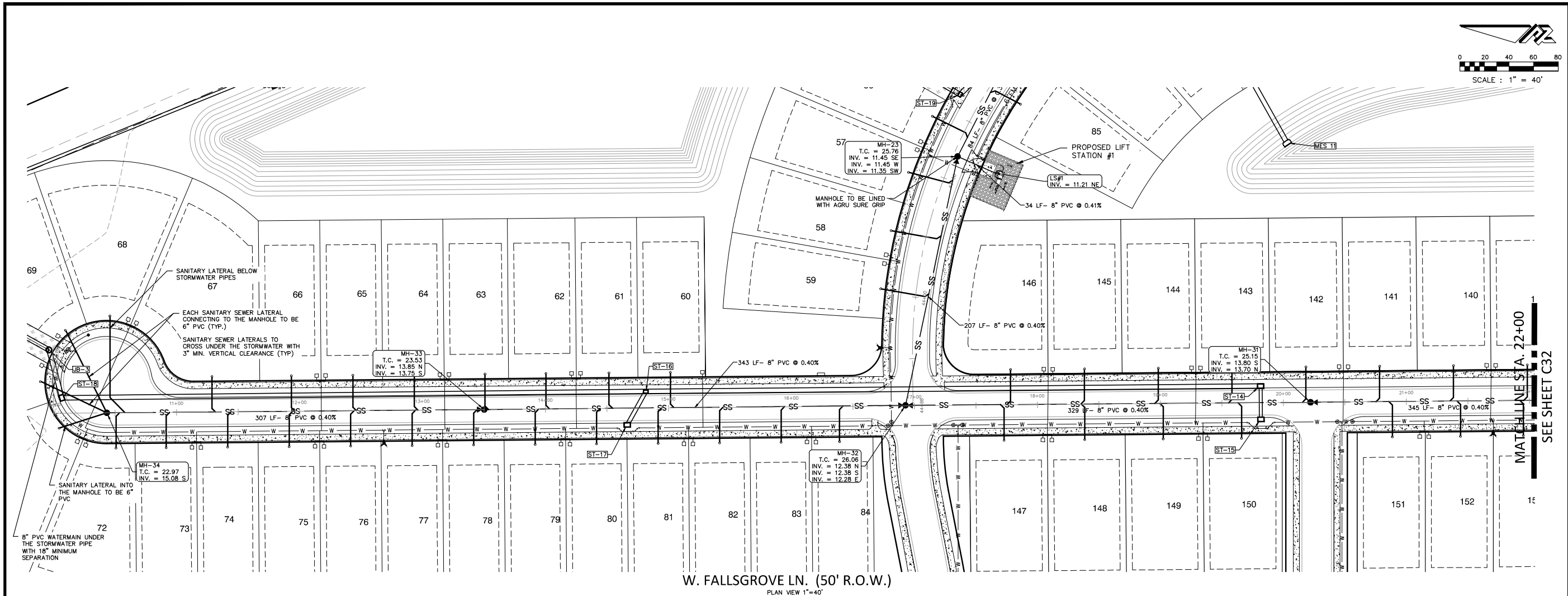
NO.	DATE	REVISIONS	BY
1	01/25/17	Revisions Per City Comments Dated 01/25/17	TOR
2	02/07/17	Revisions Per City Comments Dated 01/25/17	TOR
3	03/15/17	Revisions Per City Comments Dated 02/15/17	TOR
4	05/16/17	Revisions Per City Comments Dated 03/17/17	REVISED

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PLAN & PROFILE
WOODHAVEN VILLAGE (STA. 34+00 - STA. 44+88)
CITY OF PORT ORANGE
SOLICITA COUNTY, FL

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C28-C37 16011PP
XREFS: 16011BAS
XREFS: 16011TB



NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E. NO. 60001



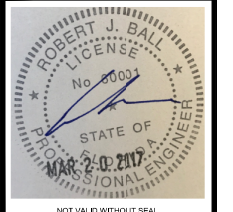
ORMOND BEACH
300 ORMOND BEACH, FL 32714
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD
EDWATER, FL 32714
(386) 677-2482 FAX (386) 677-2505

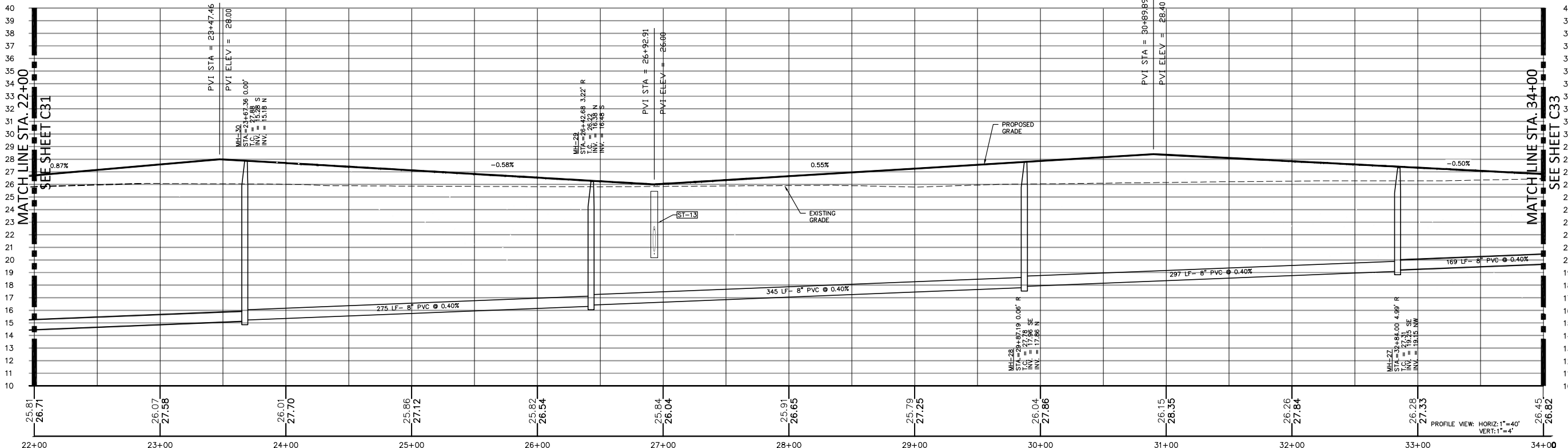
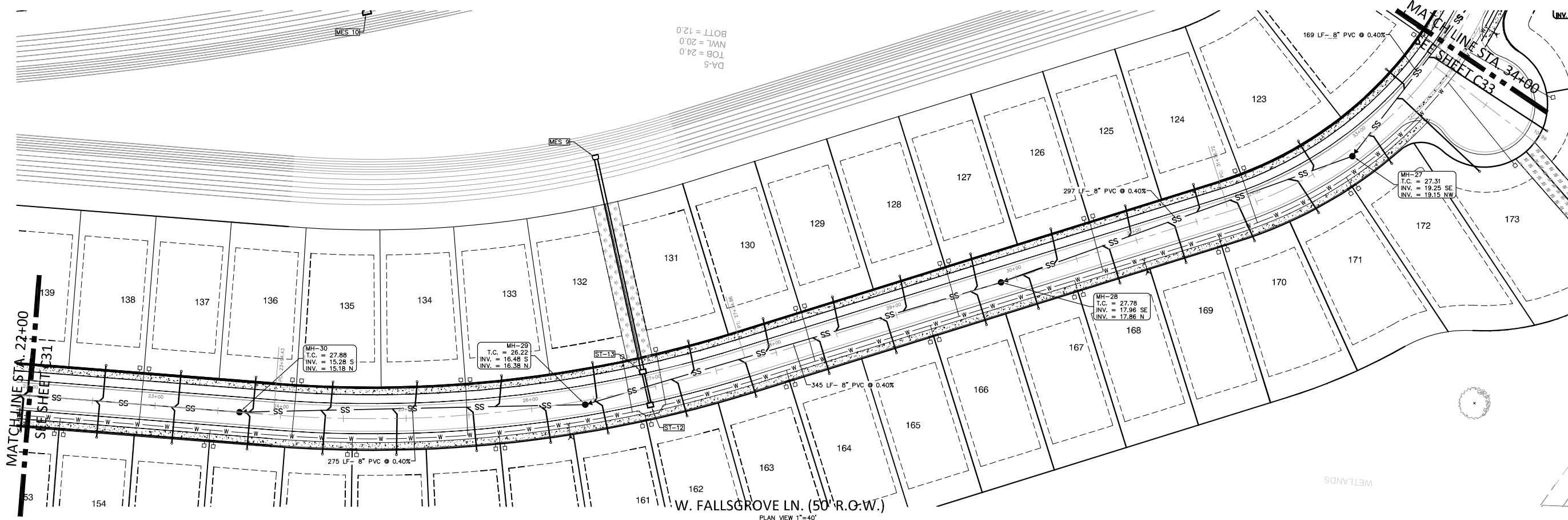
NO.	DATE	REVISIONS
1	01/25/17	Revisions Per City Comments Dated 01/25/17
2	02/07/17	Revisions Per City Comments Dated 01/25/17
3	03/13/17	Revisions Per City Comments Dated 02/08/17
4	05/16/17	Revisions Per City Comments Dated 03/17/17

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PLAN & PROFILE
W. FALLSGROVE LN. (STA. 10+00 - STA. 22+00)
CITY OF FORT ORANGE, FLORIDA COUNTY, FL

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CWTR
CHECKED BY: BB
DRAWING FILE: C28-C37 16011PP
XREFS: 16011BAS
XREFS: 16011TB



NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., NO. 60001
SCALE: 1"=40'
SHEET: C31 OF 46



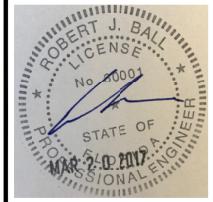
ORMOND BEACH
300 AIRPORT ROAD
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPORT ROAD
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

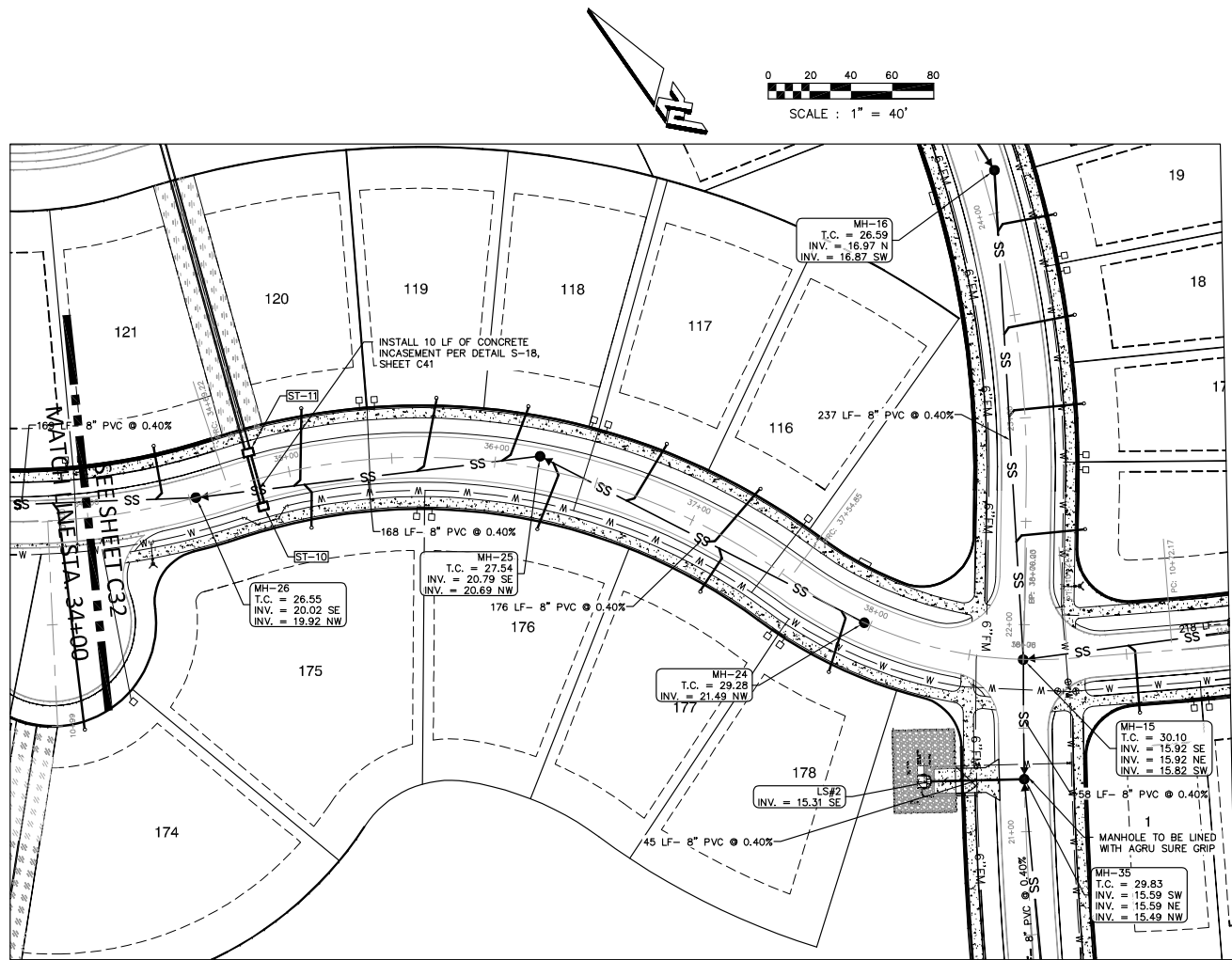
NO.	DATE	REVISIONS	BY
1	01/25/17	Revisions Per City Comments Dated 01/25/17	TOR
2	02/07/17	Revisions Per City Comments Dated 01/25/17	TOR
3	03/07/17	Revisions Per City Comments Dated 02/16/17	TOR
4	05/16/17	Revisions Per City Comments Dated 03/17/17	TOR

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PLAN & PROFILE
W. FALLSGROVE LN. (STA. 22+00 - STA. 34+00)
CITY OF PORT ORANGE
SOLISIA COUNTY, FL

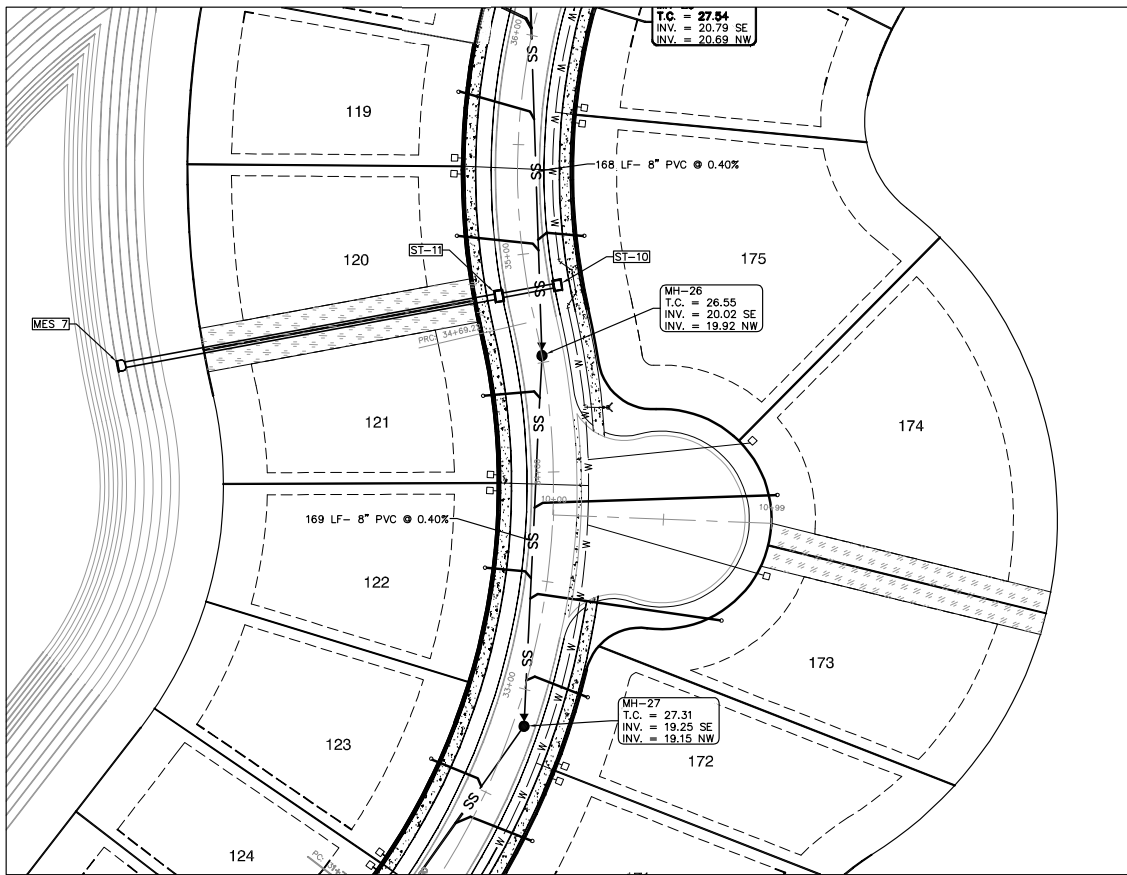
PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C28-C37 16011PP
XREFS: 16011BAS
XREFS: 16011TB



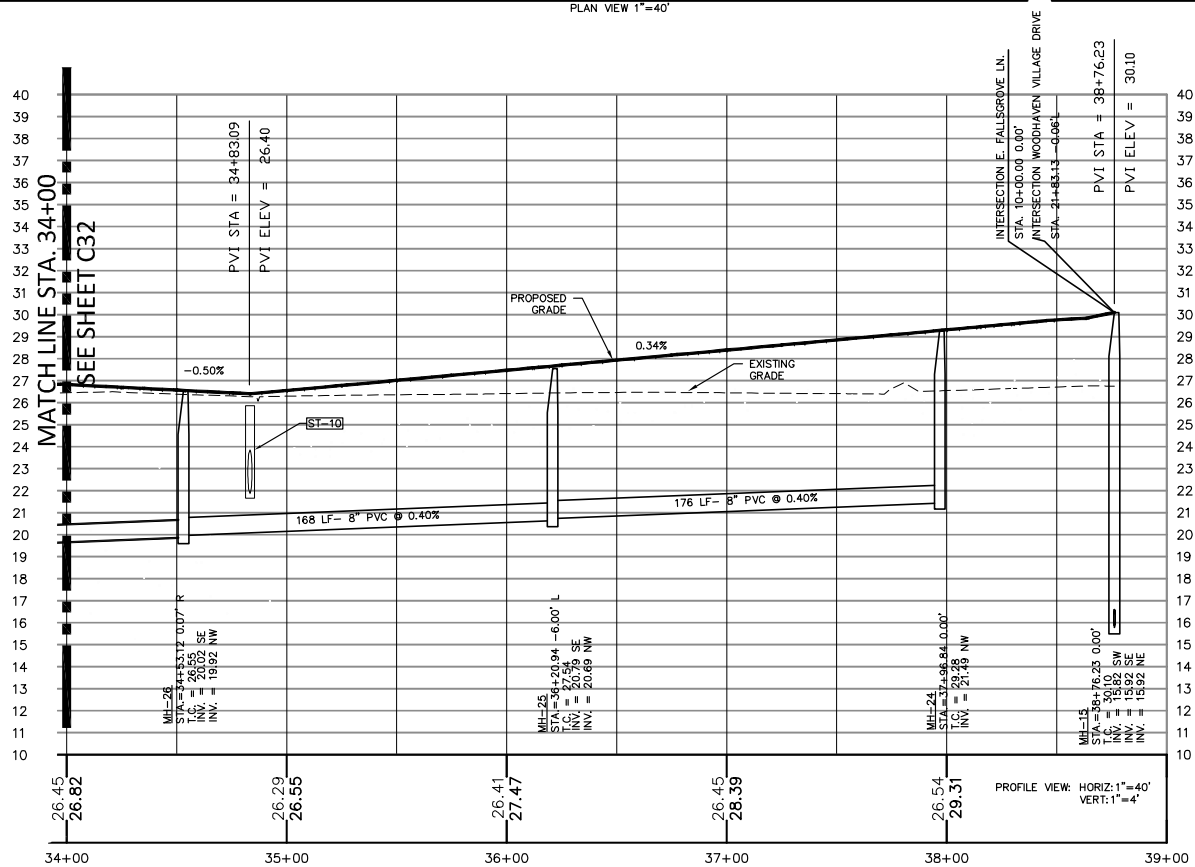
NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E. NO. 60001



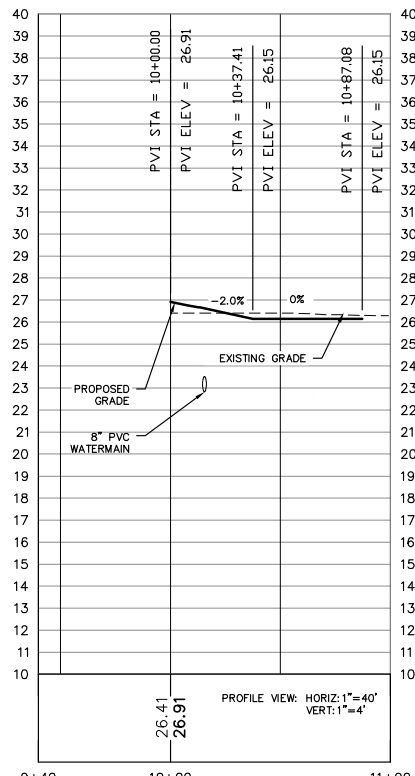
W. FALLSGROVE LN. (50' R.O.W.)



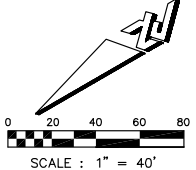
(50' R.O.W.)



PROFILE VIEW: HORIZ: 1"=40'
VERT: 1"=4'



PROFILE VIEW: HORIZ: 1"=40'
VERT: 1"=4'



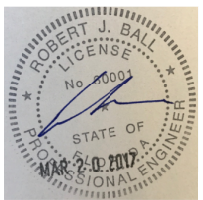
ORMOND BEACH
3100 W. PALM BLVD., SUITE C
ORMOND BEACH, FL 32754
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPORT ROAD
SUITE 100
ORMOND BEACH, FL 32754
(386) 677-2482 FAX (386) 677-2505

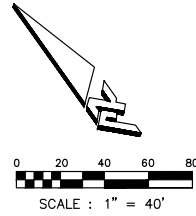
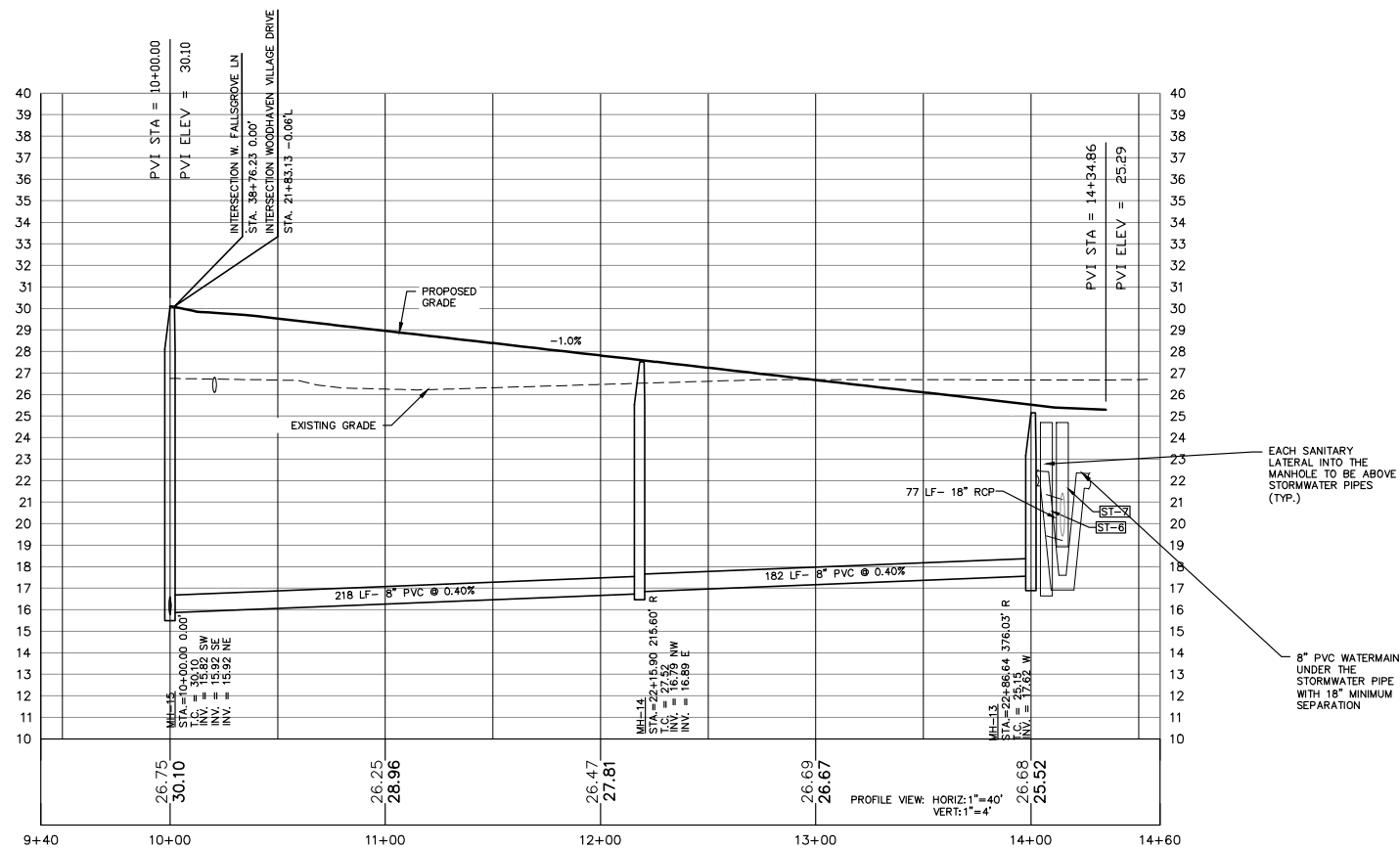
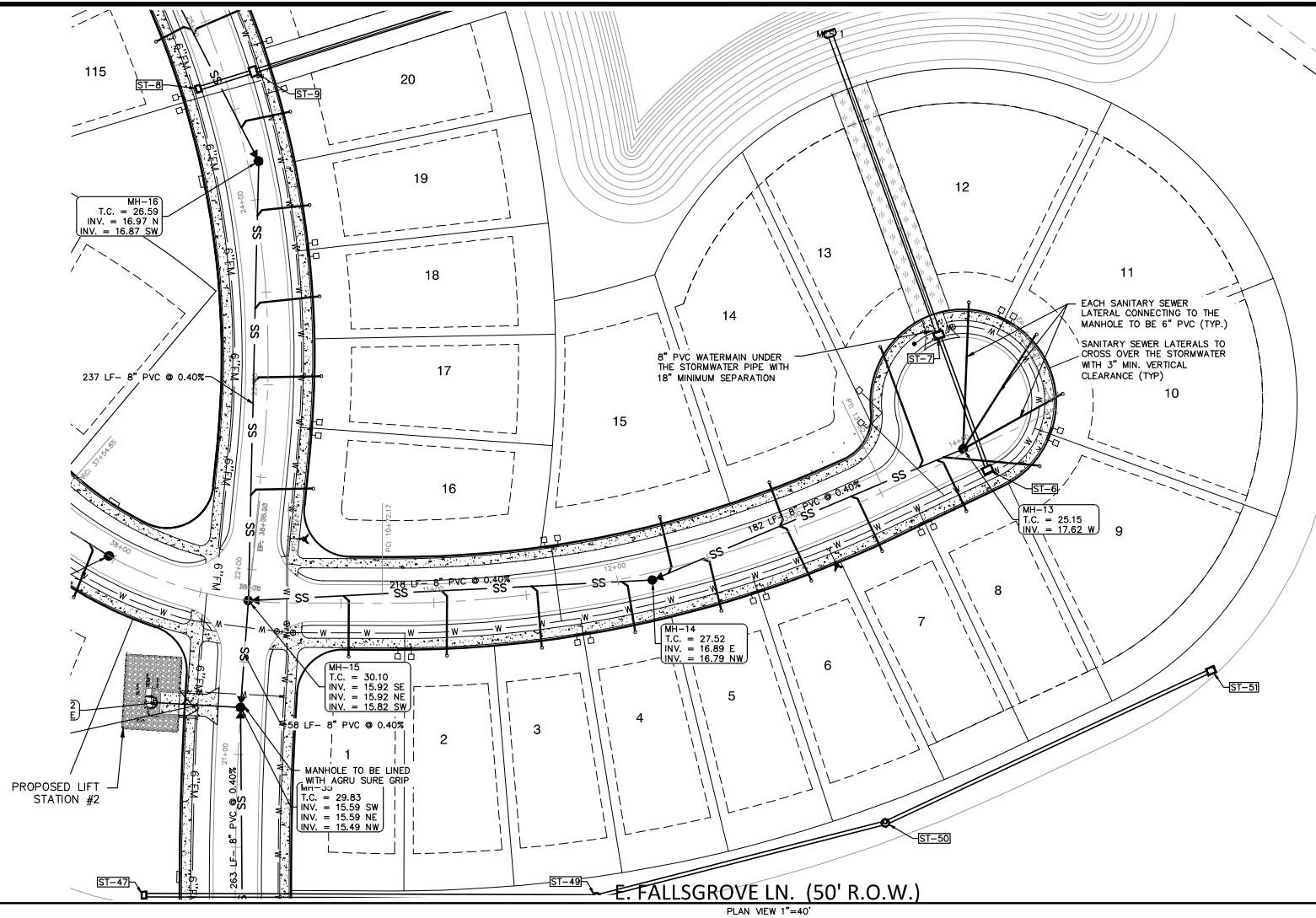
NO.	DATE	REVISIONS	BY
1	01/25/17	Revisions Per City Comments Dated 01/25/17	TOR
2	02/07/17	Revisions Per City Comments Dated 01/25/17	TOR
3	03/07/17	Revisions Per City Comments Dated 02/16/17	TOR
4	05/16/17	Revisions Per City Comments Dated 03/17/17	REVISED

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
W. FALLSGROVE LN. (STA. 34+00-STA. 38+76)
(STA. 10+00-STA. 10+99)
CITY OF PORT ORANGE
VOLusia COUNTY, FL

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C28-C37 16011PP
XREFS: 16011BAS
XREFS: 16011TB



NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E. NO. 60001



ORMOND BEACH
300 INTERCHANGE BLVD., STE. C
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD
EDGEWATER, FL 32132
(386) 677-2482 FAX (386) 677-2505

DATE	REVISIONS	BY
11/25/17	Revisions Per City Comments Dated 11/25/17	TRB
12/07/17	Revisions Per City Comments Dated 12/05/17	TRB
3/30/17	Revisions Per City Comments Dated 02/16/17	TRB
03/18/17	Revisions Per City Comments Dated 03/17/17	NOTED

**WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PLAN PROFILE
E.F.FALLSGROVE LN. (STA. 10+00-STA. 14+60)**

PROJECT NO: ZC 16011

ISSUE DATE: 10-28-2016

DESIGNED BY: HK

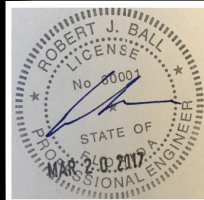
DRAFTED BY: CW/TR

CHECKED BY: BB

DRAWING FILE: C28-C37 16011PP
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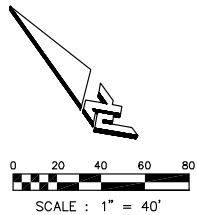
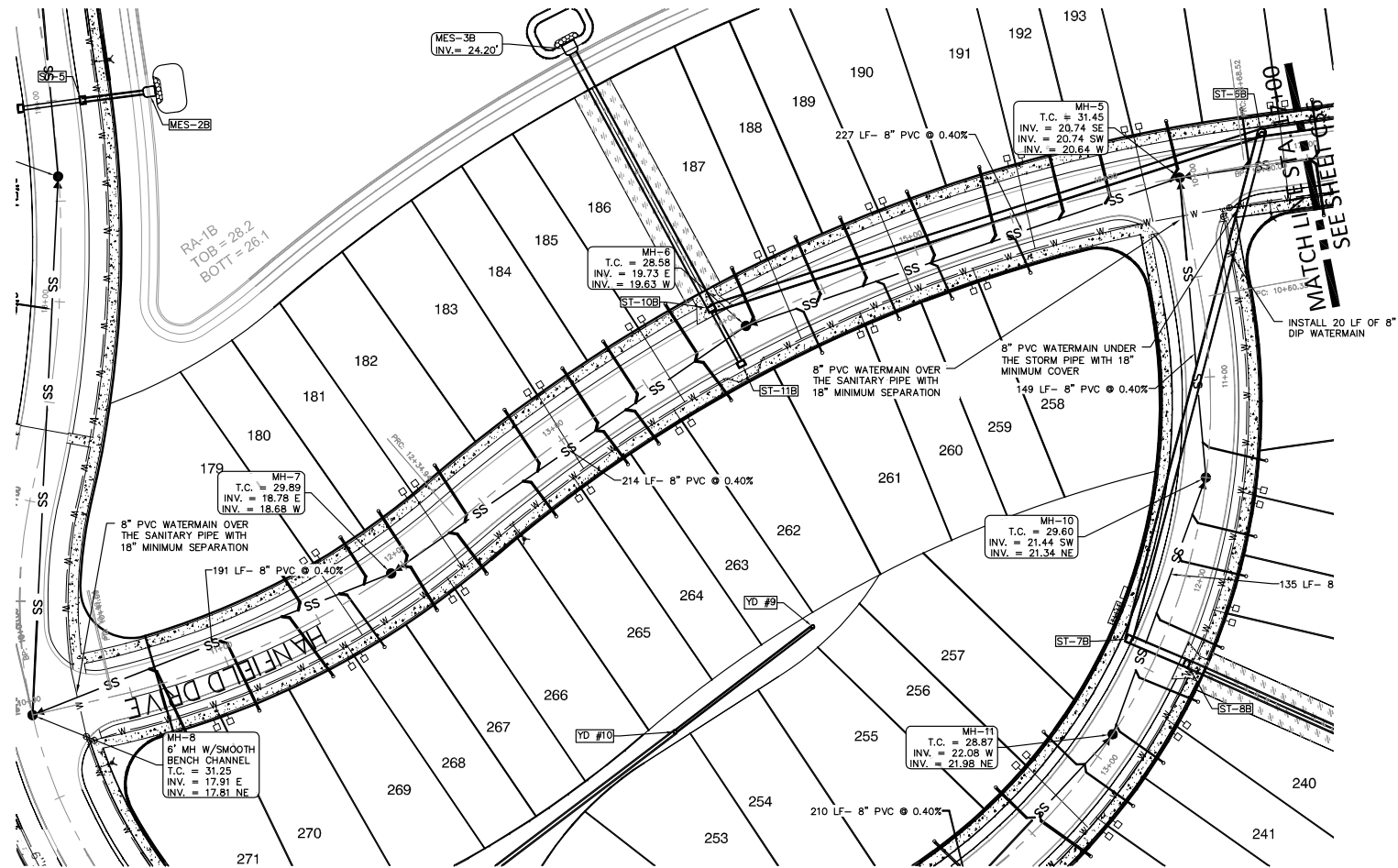
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NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E. NO. 6000

SCALE: 1"=4'

SHEET: C34 OF 46



ORMOND BEACH
3000 W. PALM BEACH BLVD. SUITE C
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPORT ROAD
SUITE 100
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS	BY
1	01/25/17	Revisions Per City Comments Dated 01/25/17	TOR
2	02/07/17	Revisions Per City Comments Dated 01/25/17	TOR
3	03/07/17	Revisions Per City Comments Dated 02/16/17	TOR
4	05/16/17	Revisions Per City Comments Dated 03/17/17	TOR

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PLAN & PROFILE
HANFIELD DRIVE (STA. 10+00 - STA. 17+00)
CITY OF PORT ORANGE
VOLusia COUNTY, FL

PROJECT NO: ZC 16011

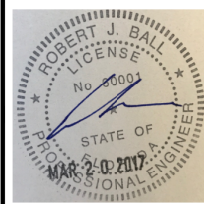
ISSUE DATE: 10-28-2016

DESIGNED BY: HK

DRAFTED BY: CW/IR

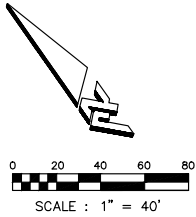
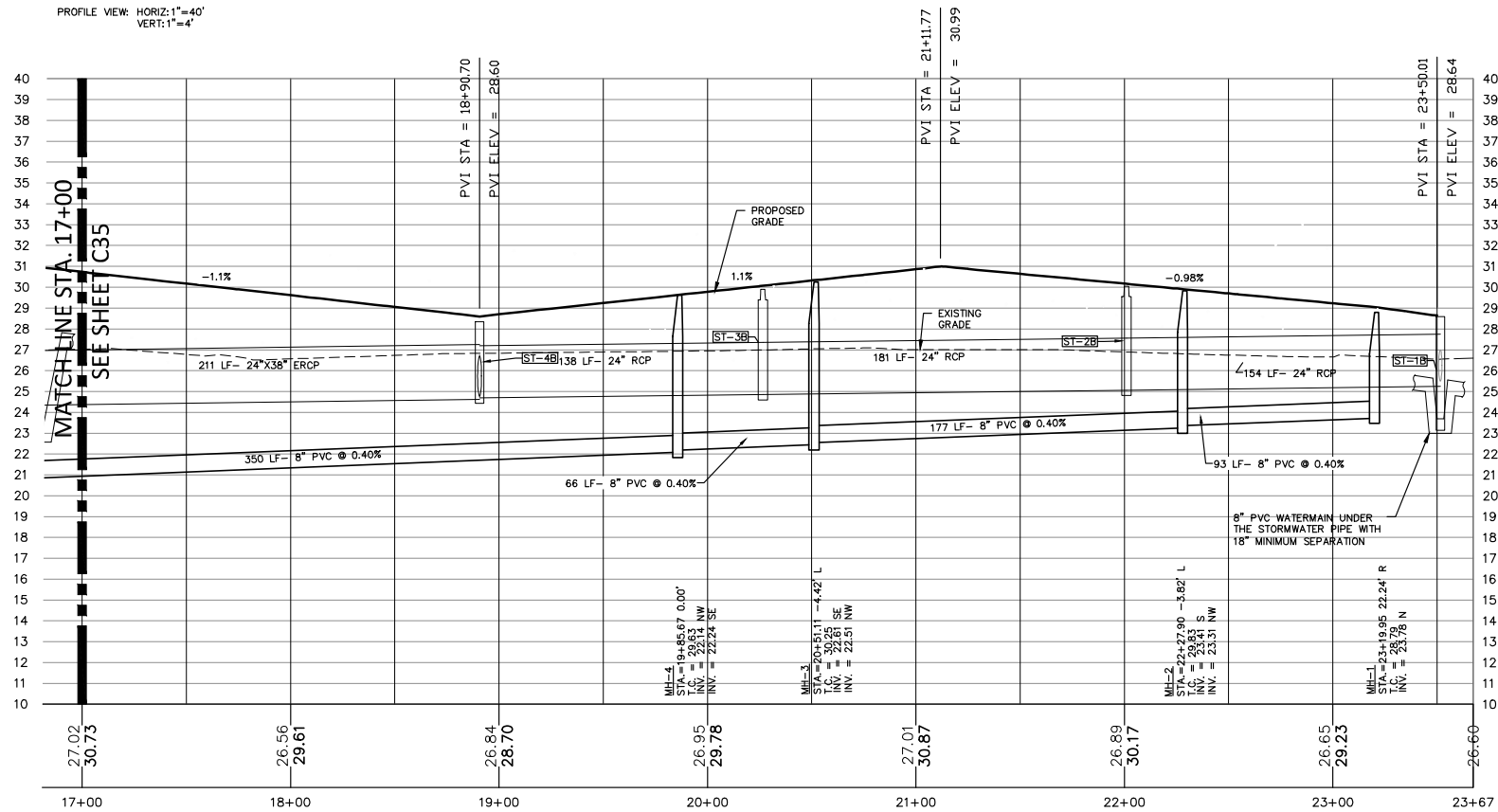
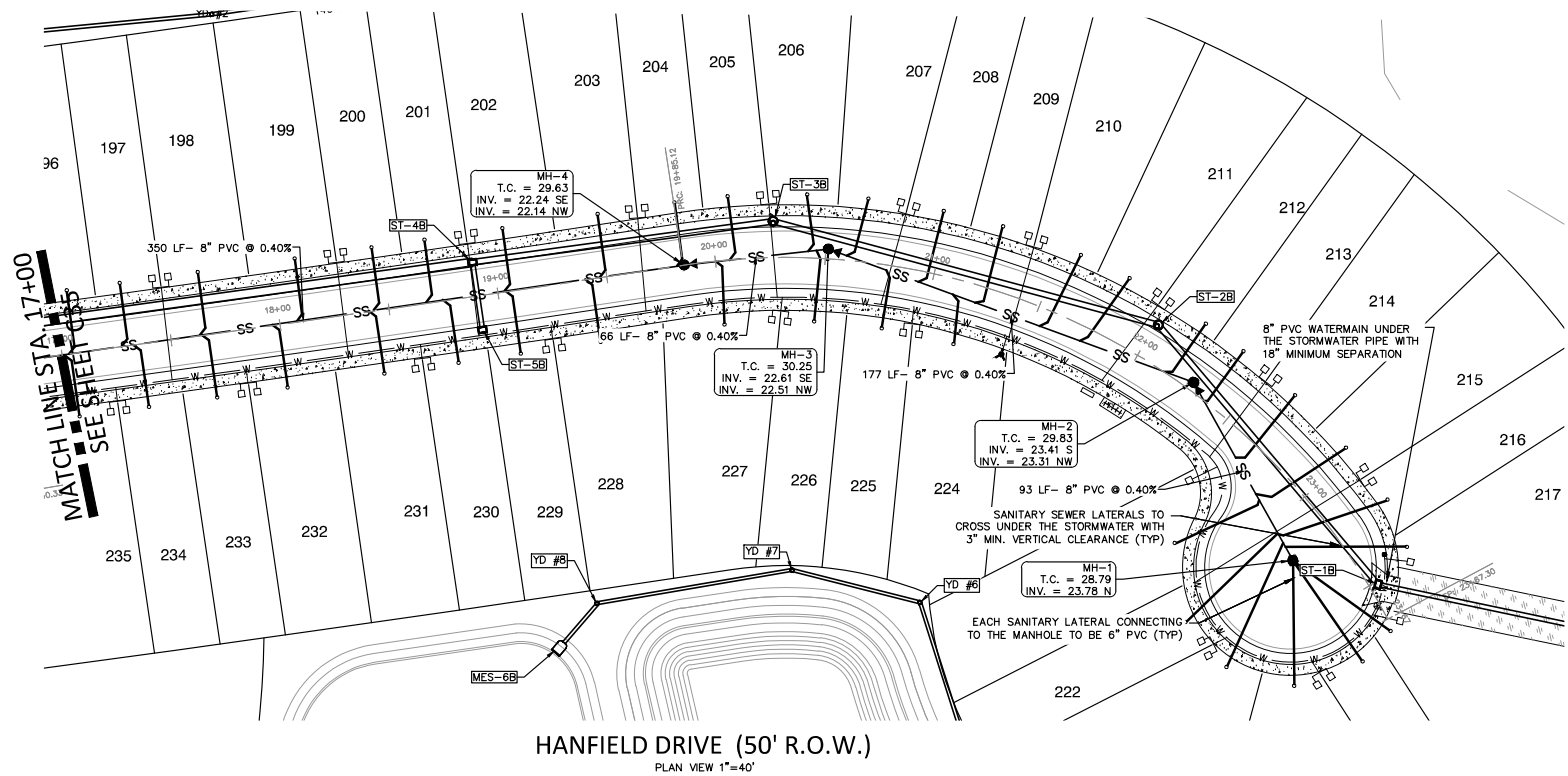
CHECKED BY: BB

DRAWING FILE: C28-C37 16011PP
XREFS: 16011BAS
XREFS: 16011TB



SCALE: 1"=40'

SHEET: C35 OF 46



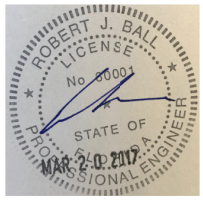
ORMOND BEACH
380 AIRPORT ROAD
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPORT ROAD
EDGEWATER, FL 32142
(386) 677-2482 FAX (386) 677-2505

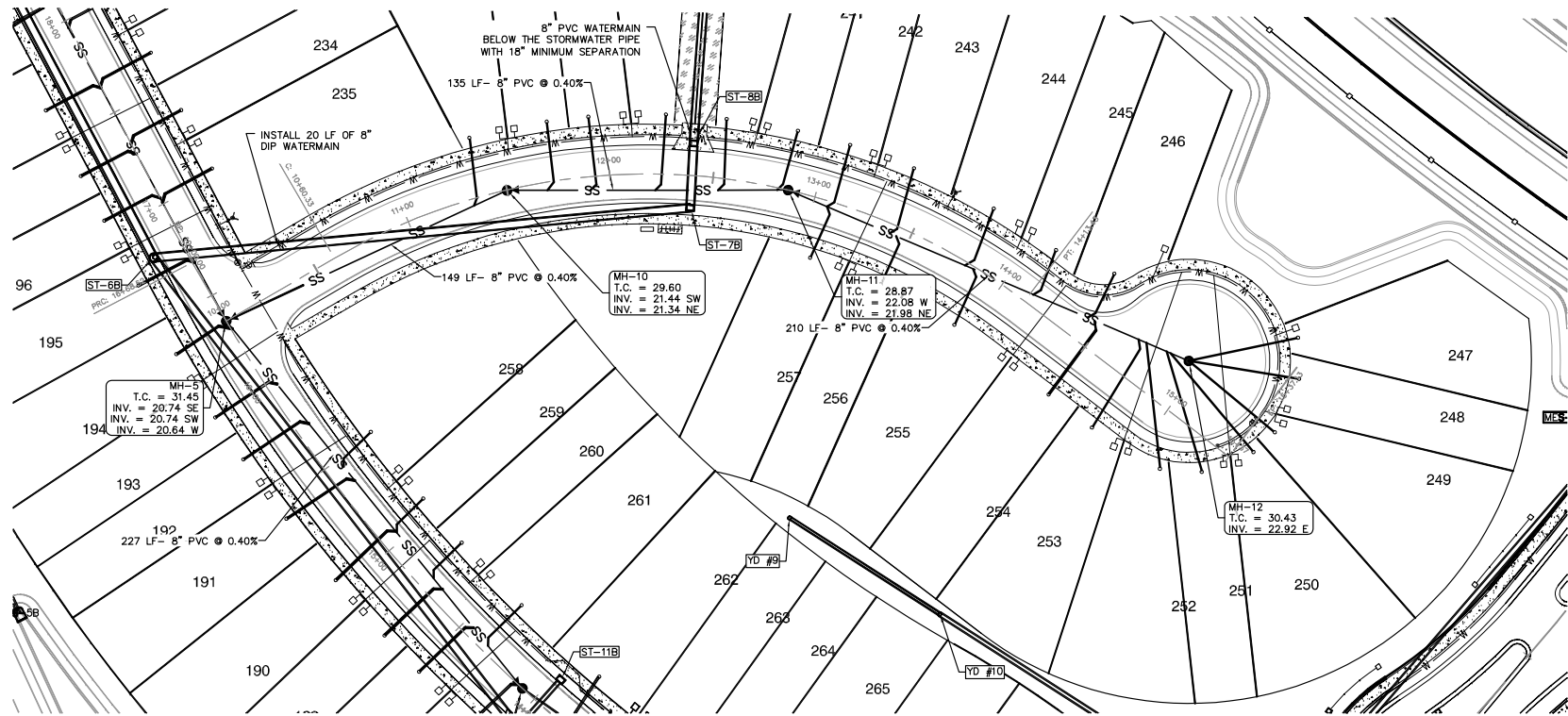
NO.	DATE	REVISIONS	BY
1	01/25/17	Revisions Per City Comments Dated 01/25/17	TJR
2	02/01/17	Revisions Per City Comments Dated 01/25/17	TJR
3	02/01/17	Revisions Per City Comments Dated 02/01/17	TJR
4	02/01/17	Revisions Per City Comments Dated 02/01/17	TJR

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PLAN & PROFILE
HANFIELD DRIVE (STA.16+35.83- STA. 23+67)
CITY OF PORT ORANGE
VOLusia COUNTY, FL

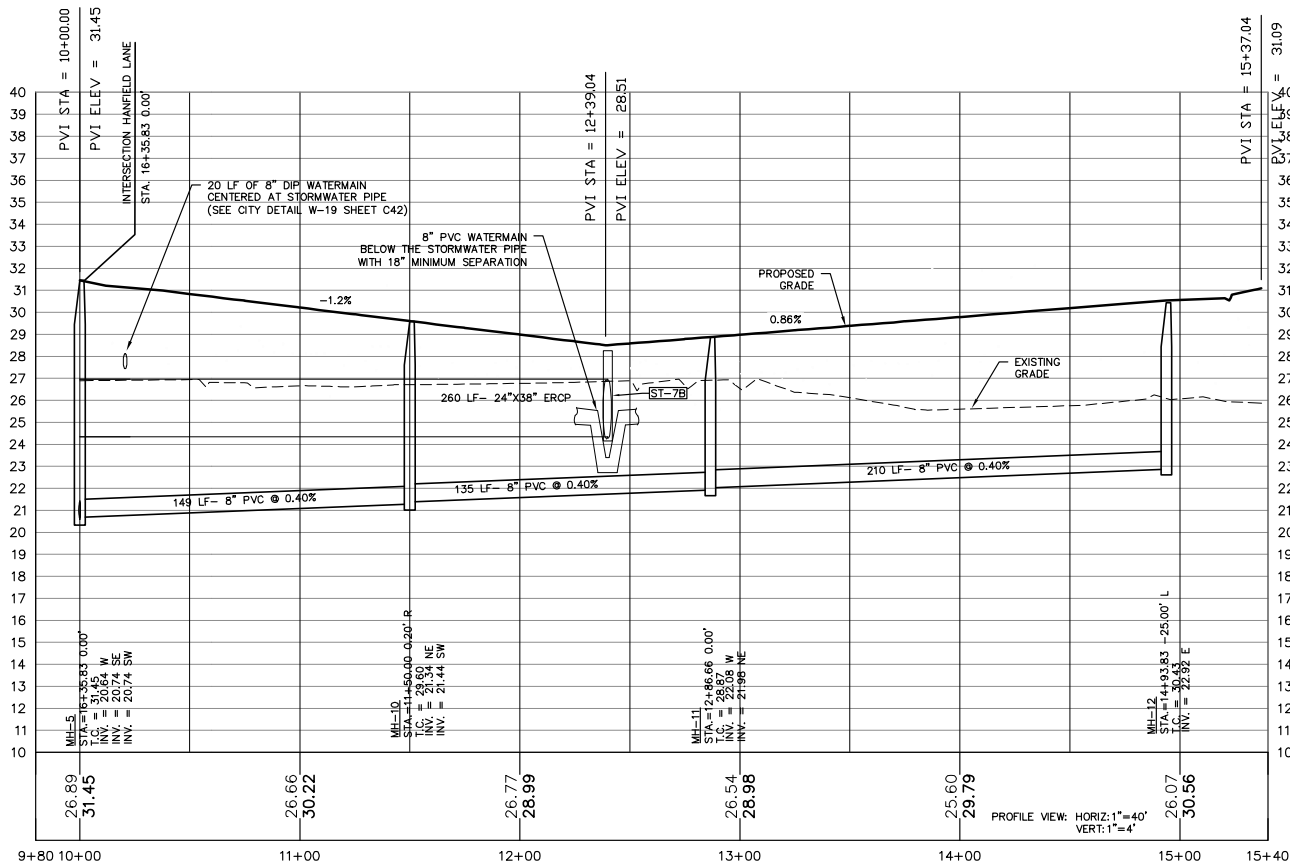
PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C28-C37 16011PP
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XREFS: 160111B



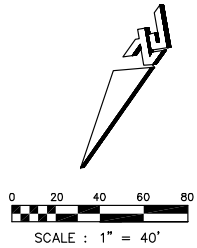
NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., NO. 60001



HANFIELD LANE (50' R.O.W.)
PLAN VIEW 1"=40'



PROFILE VIEW: HORIZ: 1"=40'
VERT: 1"=4'



ORMOND BEACH
3000 AIRPORT ROAD
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPORT ROAD
(386) 677-2482 FAX (386) 677-2505

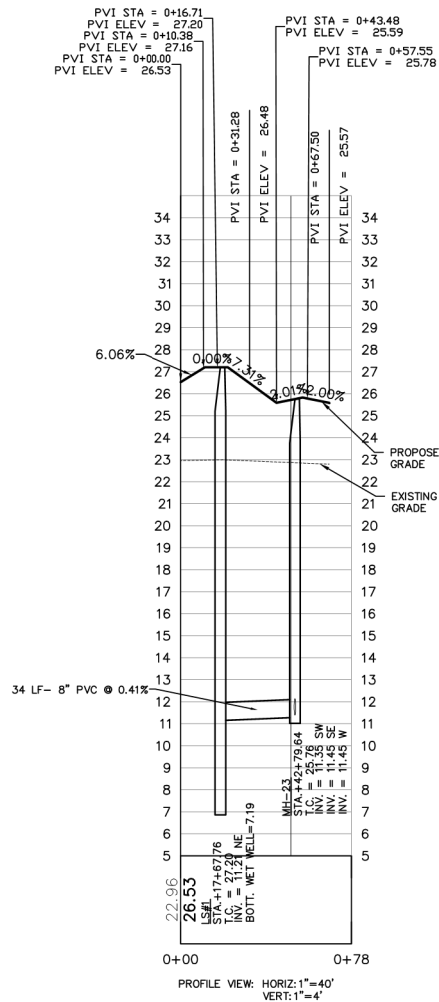
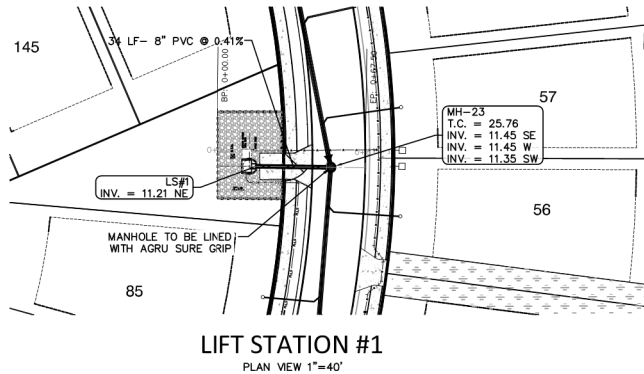
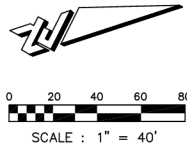
NO.	DATE	REVISIONS	BY
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2	02/07/17	Revisions Per City Comments Dated 01/25/17	TOR
3	03/07/17	Revisions Per City Comments Dated 02/16/17	TOR
4	05/16/17	Revisions Per City Comments Dated 03/17/17	REVISED

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
PLAN & PROFILE
HANFIELD LANE (STA. 10+00 - STA. 15+37)
CITY OF PORT ORANGE

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C28-C37 16011PP
XREFS: 16011BAS
XREFS: 16011TB

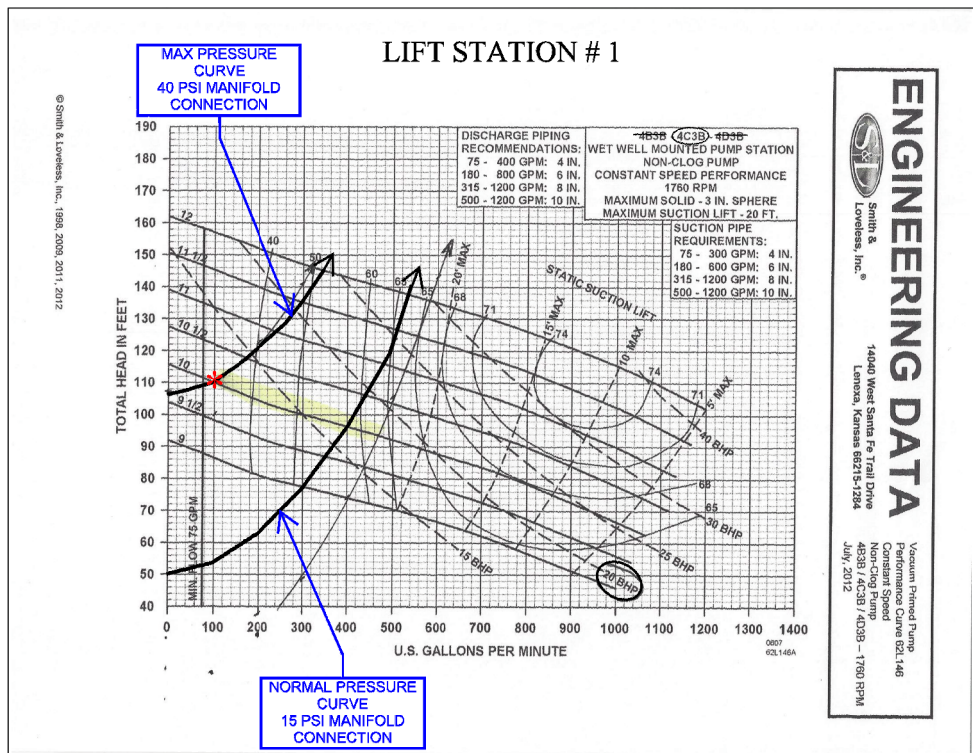
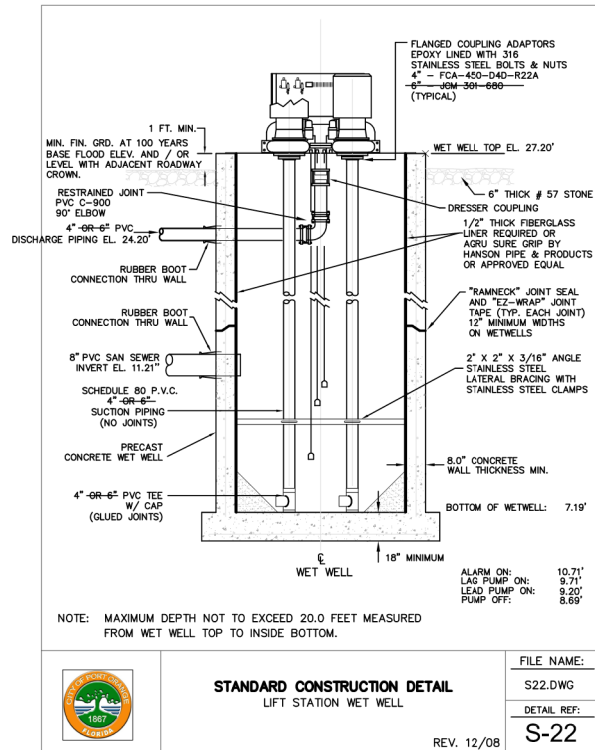
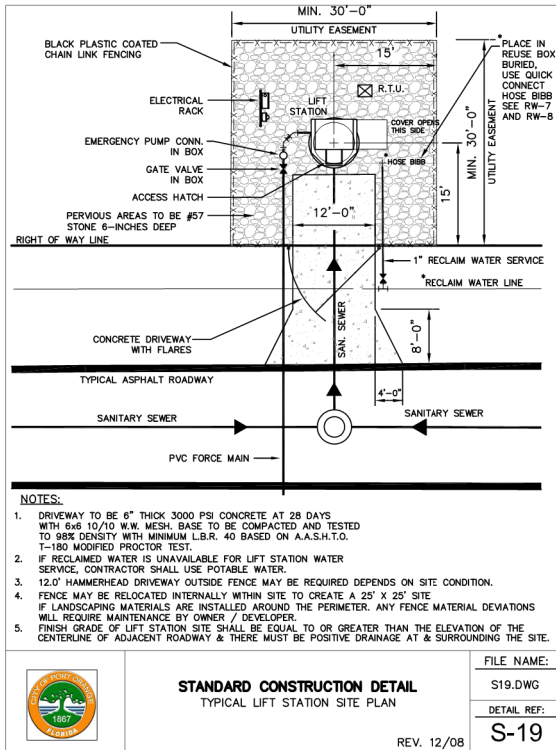


NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E. NO. 00001



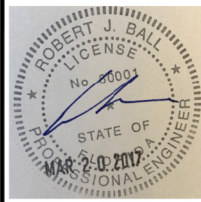
LIFT STATION #1 DESIGN SUMMARY TABLE

MODEL	SMITH & LOVELESS 4C3B
IMPELLAR DIAMETER	10 1/8"
MOTOR HORSEPOWER	20 HP
RPM	1800
DESIGN CONDITIONS (GPM @ TDH)	100 @ 110
WET WELL DIAMETER "A"	6.0'
DISCHARGE PIPING DIAMETER	4.0"
DISCHARGE PIPING ELEVATION	24.20'
FORCE MAIN DIAMETER	6.0"
INFLUENT PIPE DIAMETER	8.0"
INFLUENT INVERT ELEVATION	11.21'
BOTTOM SLAB ELEVATION	7.19'
HIGH WATER ALARM ELEVATION	10.71'
LOW WATER PUMP OFF ELEVATION	8.69'
LEAD PUMP ON ELEVATION	9.20'
LAG PUMP ON ELEVATION	9.71'
WET WELL TOP ELEVATION	27.20'
BOTTOM SLAB THICKNESS	18.0"

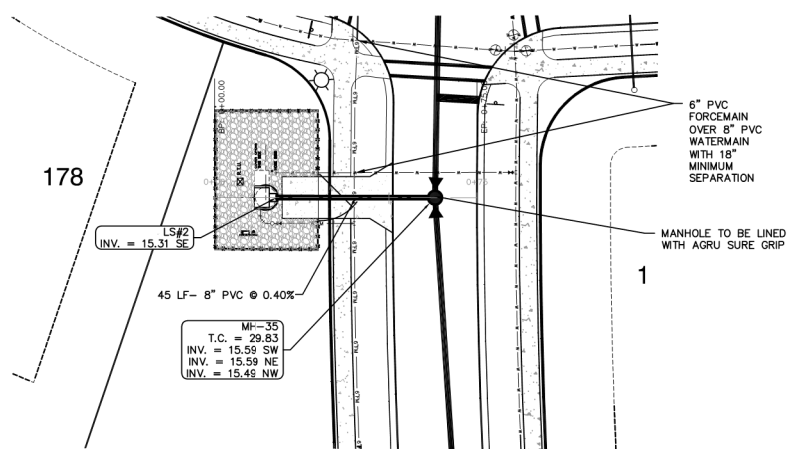
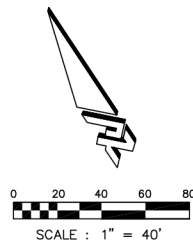


WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
LIFT STATION #1 DETAILS

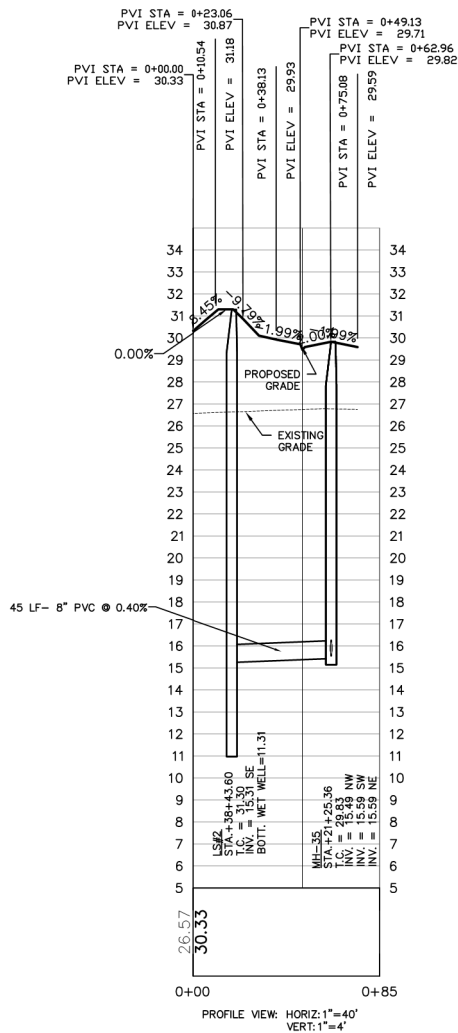
PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C38-C46 16011DET
XREFS: 16011TB
XREFS:



NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., NO. 60001

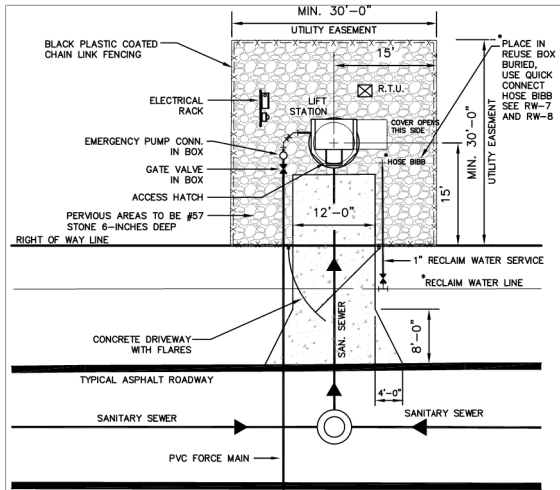


LIFT STATION #2
PLAN VIEW 1"=40'



LIFT STATION #2 DESIGN SUMMARY TABLE

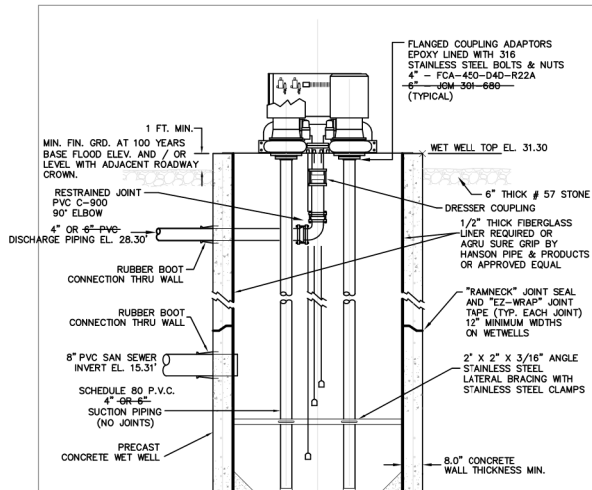
MODEL	SMITH & LOVELESS 4C3B
IMPELLAR DIAMETER	10 1/8"
MOTOR HORSEPOWER	20 HP
RPM	1800
DESIGN CONDITIONS (GPM @ TDH)	100 @ 110
WET WELL DIAMETER 'A'	6.0'
DISCHARGE PIPING DIAMETER	4.0"
DISCHARGE PIPING ELEVATION	28.30'
FORCE MAIN DIAMETER	6.0"
INFLUENT PIPE DIAMETER	8.0"
INFLUENT INVERT ELEVATION	15.31'
BOTTOM SLAB ELEVATION	11.31'
HIGH WATER ALARM ELEVATION	14.81'
LOW WATER PUMP OFF ELEVATION	12.81'
LEAD PUMP ON ELEVATION	13.31'
WET WELL TOP ELEVATION	31.30'
BOTTOM SLAB THICKNESS	8.0"



NOTES:

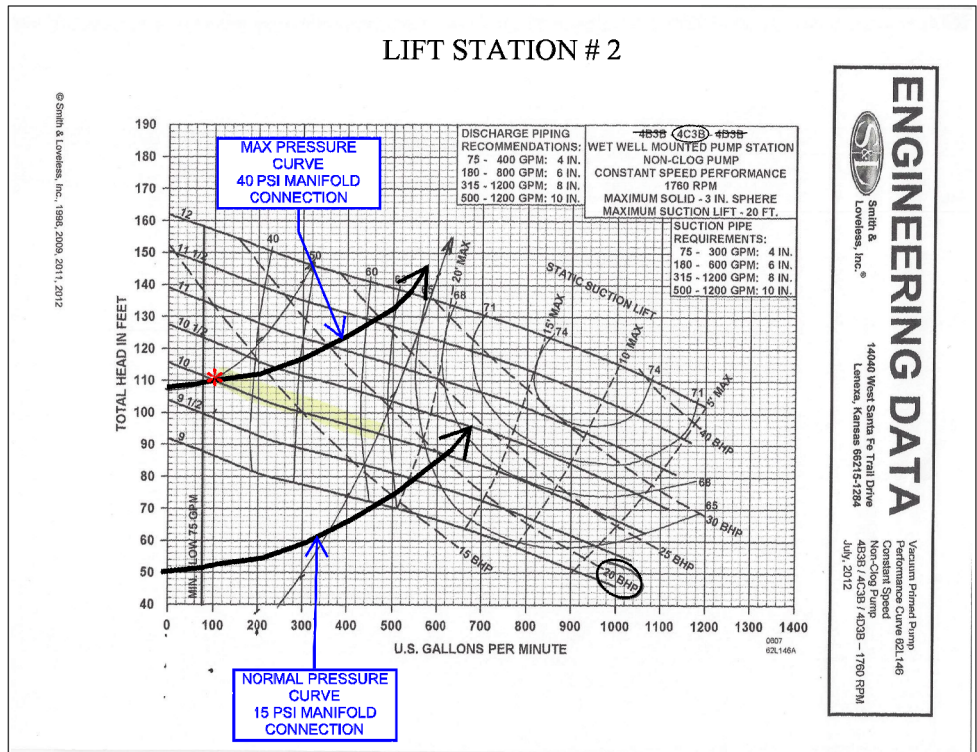
1. DRIVEWAY TO BE 6" THICK 3000 PSI CONCRETE AT 28 DAYS WITH 6x6 10/10 W.W. MESH. BASE TO BE COMPACTED AND TESTED TO 98% DENSITY WITH MINIMUM L.B.R. 40 BASED ON A.A.S.H.T.O. T-150 MODIFIED PROCTOR TEST.
2. IF RECLAIMED WATER IS UNAVAILABLE FOR LIFT STATION WATER SERVICE, CONTRACTOR SHALL USE POTABLE WATER.
3. 12.0' HAMMERHEAD DRIVEWAY OUTSIDE FENCE MAY BE REQUIRED DEPENDS ON SITE CONDITION.
4. FENCE MAY BE RELOCATED INTERNALLY WITHIN SITE TO CREATE A 25' X 25' SITE IF LANDSCAPING MATERIALS ARE INSTALLED AROUND THE PERIMETER. ANY FENCE MATERIAL DEVIATIONS WILL REQUIRE MAINTENANCE BY OWNER / DEVELOPER.
5. FINISH GRADE OF LIFT STATION SITE SHALL BE EQUAL TO OR GREATER THAN THE ELEVATION OF THE CENTERLINE OF ADJACENT ROADWAY & THERE MUST BE POSITIVE DRAINAGE AT & SURROUNDING THE SITE.

FILE NAME: S19.DWG
DETAIL REF: S-19
REV. 12/08



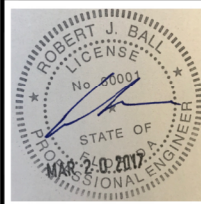
NOTE: MAXIMUM DEPTH NOT TO EXCEED 20.0 FEET MEASURED FROM WET WELL TOP TO INSIDE BOTTOM.

FILE NAME: S22.DWG
DETAIL REF: S-22
REV. 12/08

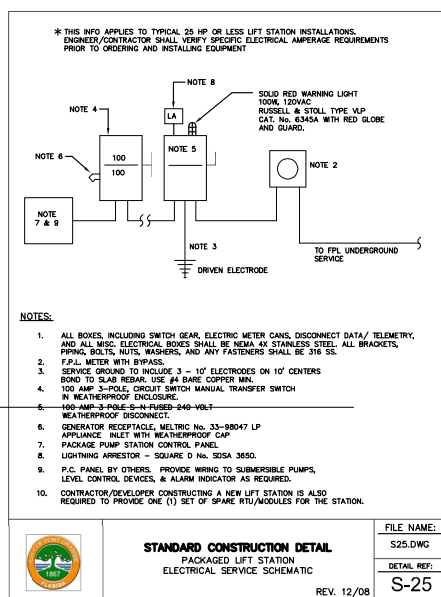
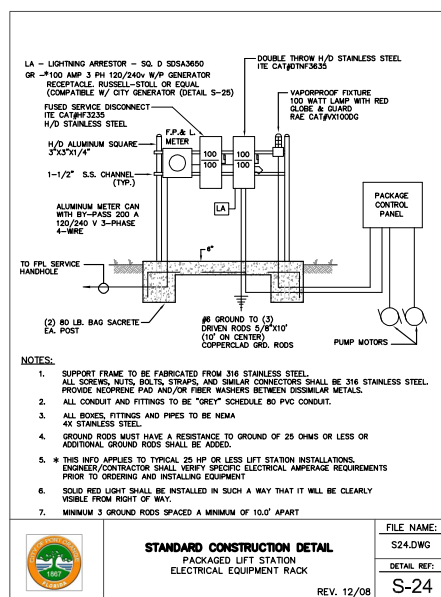
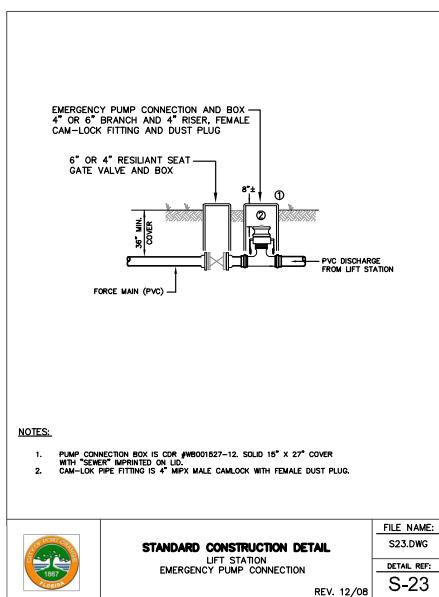
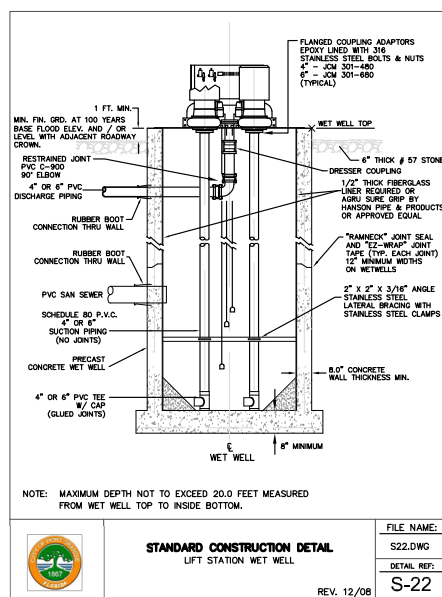
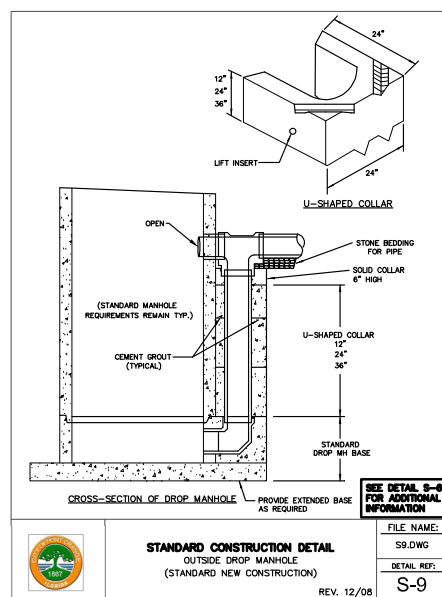
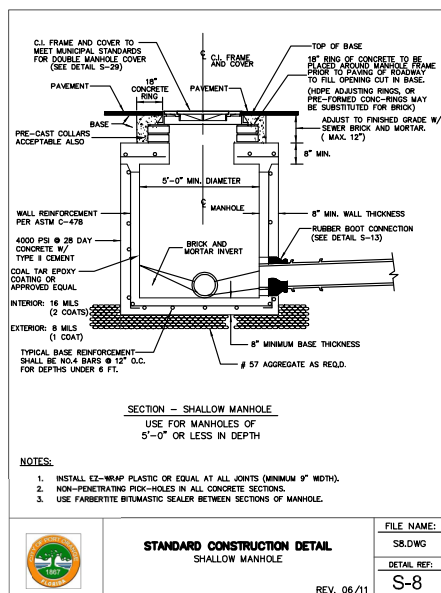
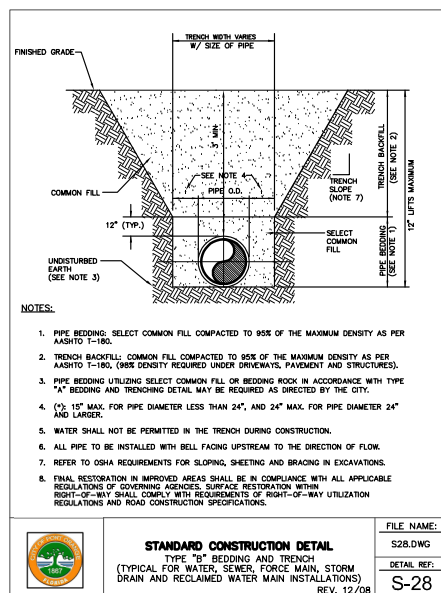
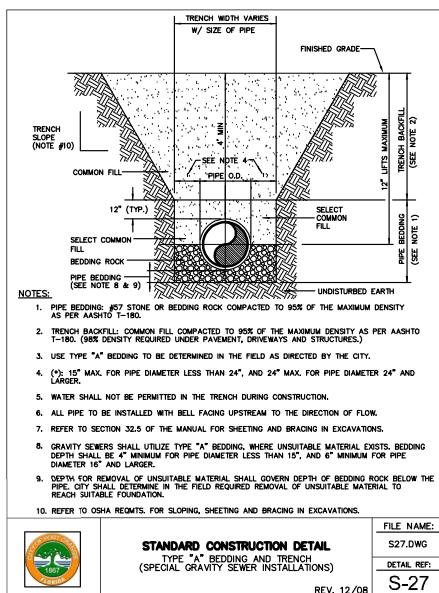
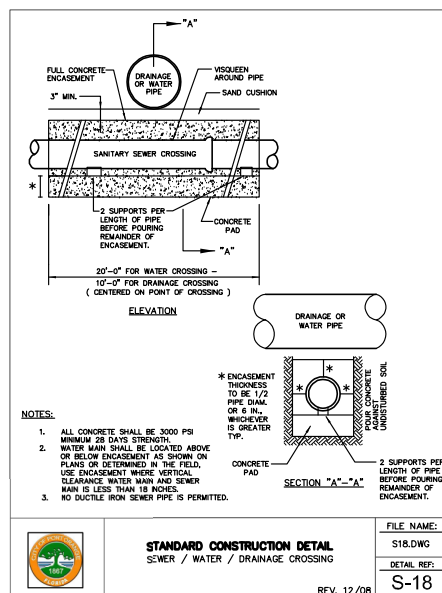
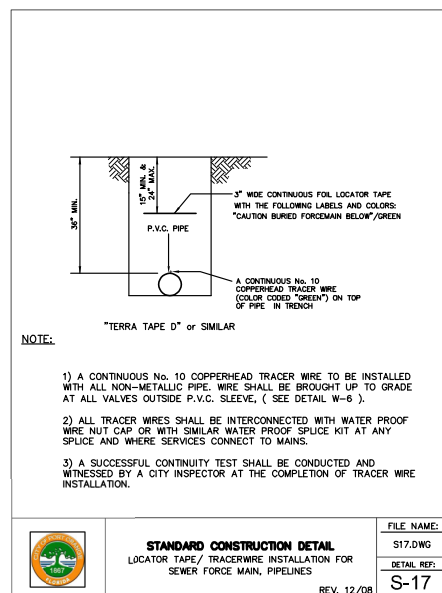
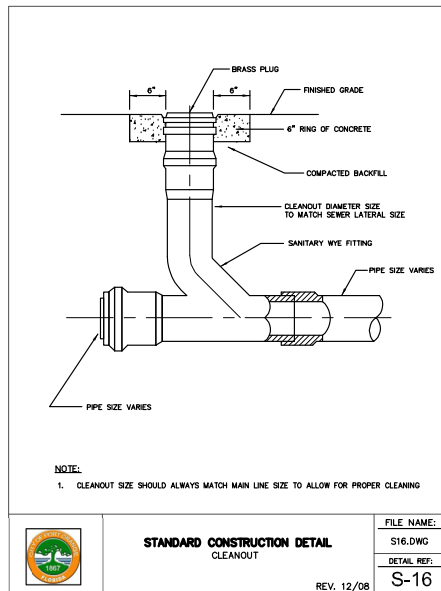
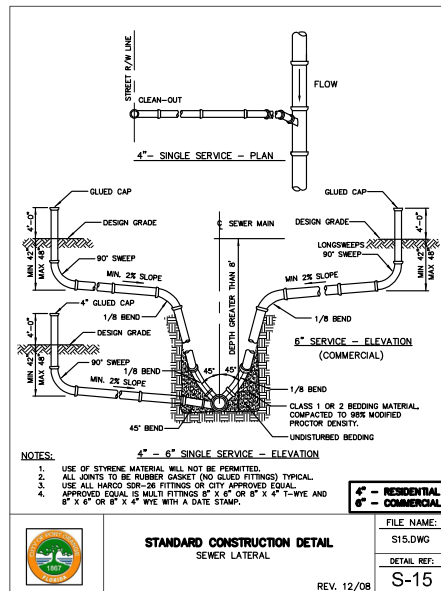
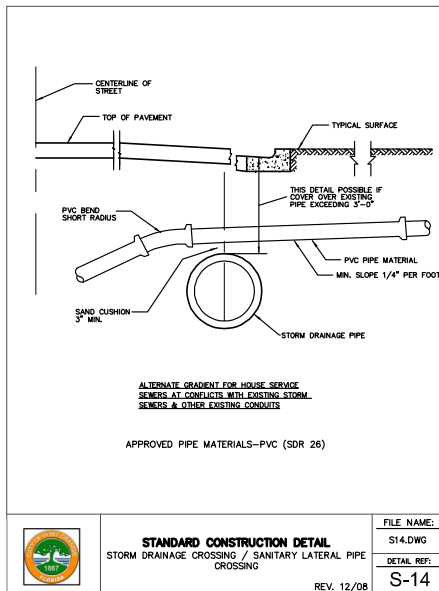
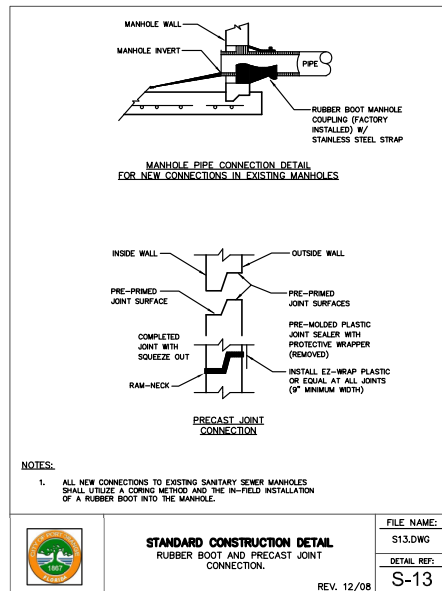
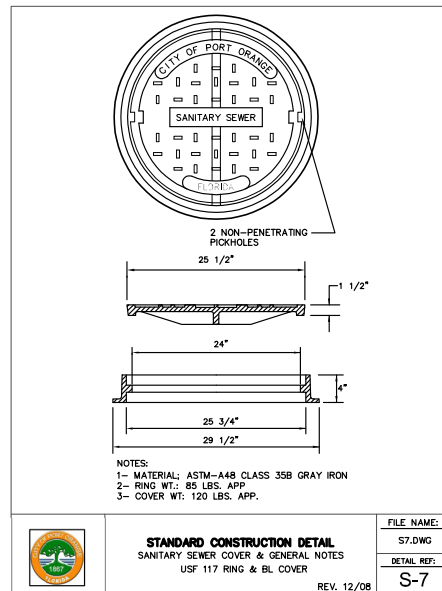


WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
LIFT STATION #2 DETAILS

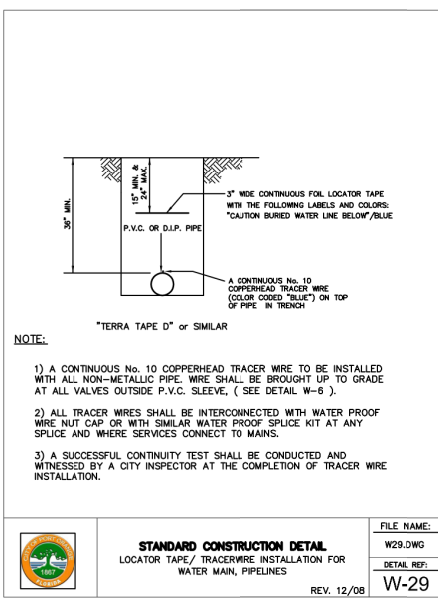
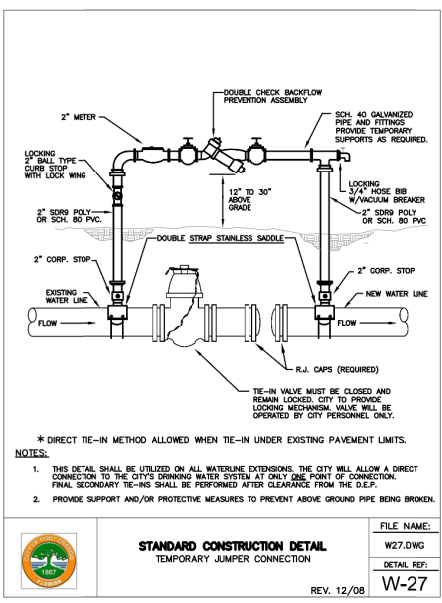
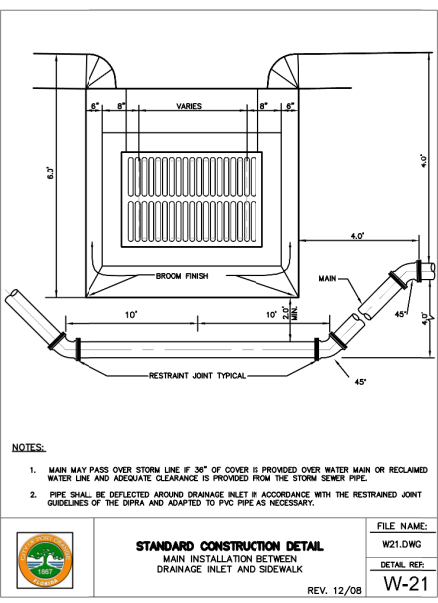
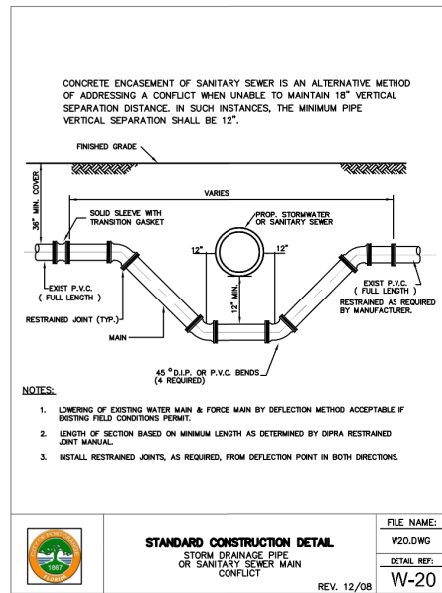
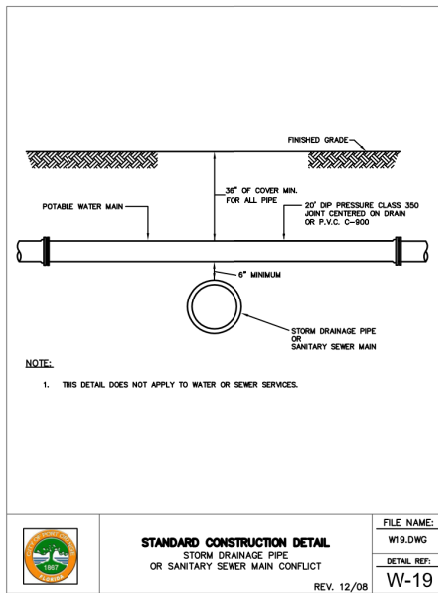
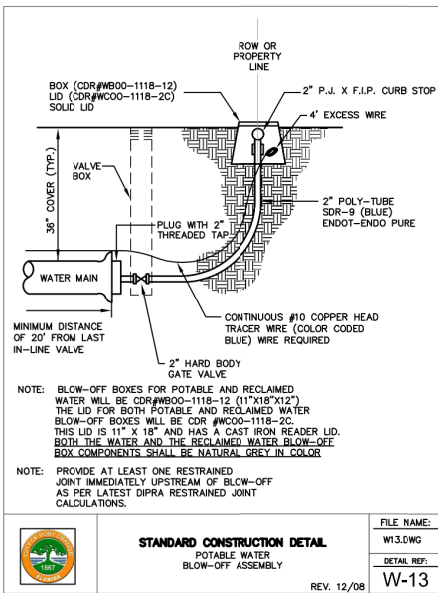
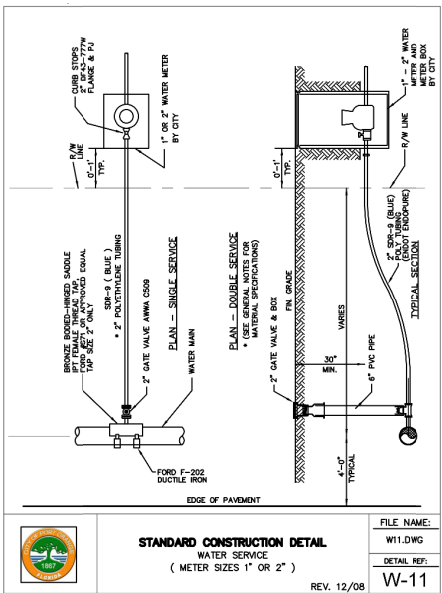
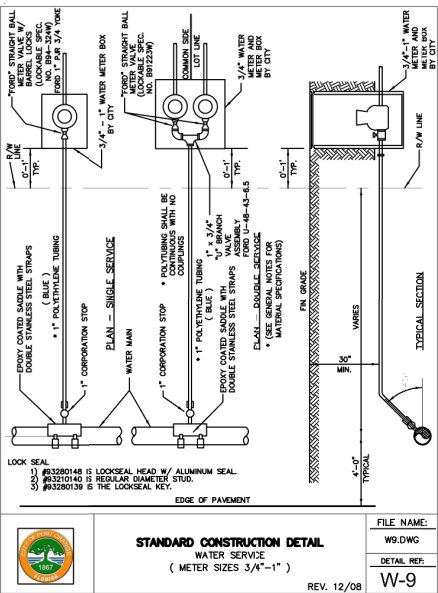
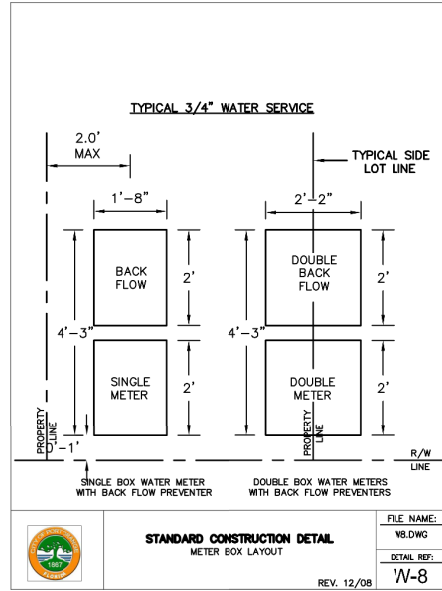
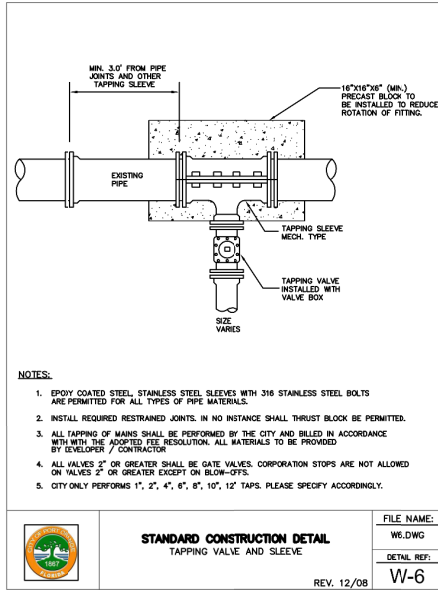
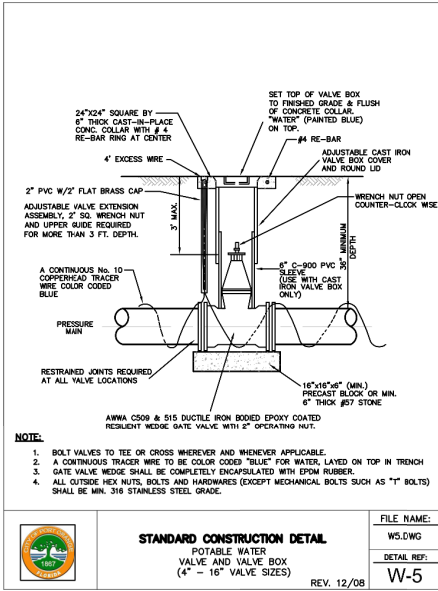
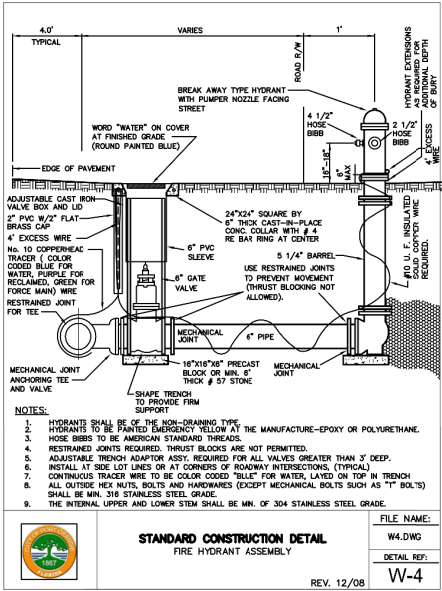
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ISSUE DATE: 10-28-2016
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DRAFTED BY: CW/IR
CHECKED BY: BB
DRAWING FILE: C38-C46 16011DET
XREFS: 16011TB
XREFS:



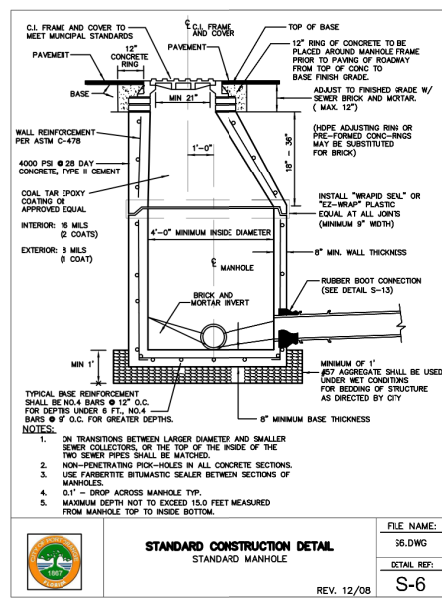
NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., NO. 60001



City of Port Orange Public Utilities Department List of Approved Products			12/08
Potable Water			
<i>Fire Hydrant (5" Barrel)</i>			
MANUFACTURER		MODEL #	
Mueller	A423 Super Centurion 250		
American AVK Co.	Series #780		
American Darling	5" N" B-84-85		
Clow	Medallion # F-2545 55		
<i>Air Release Valves</i>			
MANUFACTURER		MODEL #	
Val-Matic	Series 31		
<i>Gate Valves and Tapping Valves – Resilient Seated (AWWA C509 and CS15) 24" or Smaller (Valve wedge to be complete enclosed with EPDM rubber)</i>			
MANUFACTURER		MODEL #	
American AVK Co.	Series 3, 18, 25, 45, 55, & 66		
Clow	Model 2338 and 2639		
Mueller	A-2360, A-2361, T-2360 & T-2361		
American Flow Control	Series 2100		
	STANDARD CONSTRUCTION DETAIL POTABLE WATER APPROVED PRODUCTS		FILE NAME: W3.DWG
			DETAIL REF: W-3



City of Port Orange Public Utilities Department List of Approved Products			12/08
Sanitary sewer & Force Main			
Air Release Valves			
MANUFACTURER		MODEL #	
A.R.I.	D-025P (Plastic)		
Gate Valves and Tapping Valves – Resilient Seated (AWWA C509 and CS15) 24" or Smaller			
MANUFACTURER		MODEL #	
American AVK Co.	Series 5, 18, 25, 45, 55, & 66		
Clow	Model 2638 and 2639		
Mueller	A-2360, A-2361, T-2360 & T-2361		
American Flow Control	Series 2500		
Joints Restrained – PVC Only			
MANUFACTURER		MODEL #	
EBBA Iron Inc	Series 1500/1600 2000/2500/2800		
Star Pipe	Starpipe Series 1000/1100/1200/4000		
Signis	One-Lock SLC PVC-Lok for PVC		
Smith-Blair	Cam-Lock (111 & 120) & Bell-Lock (115 & 165)		
	STANDARD CONSTRUCTION DETAIL SANITARY SEWER & FORCE MAIN APPROVED PRODUCTS		FILENAME: S5.DWG
			DETAIL REF: S-5



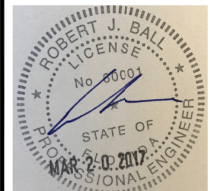
ORMOND BEACH
3105 S. PALM BEACH BLVD., SUITE 100
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD, SUITE 100
EDGEWATER, FL 32124
(386) 577-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS
1	01/25/17	Revisions Per City Comments Dated 01/25/17
2	02/07/17	Revisions Per City Comments Dated 01/25/17
3	03/07/17	Revisions Per City Comments Dated 02/07/17
4	03/15/17	Revisions Per City Comments Dated 03/15/17

WOODHAVEN **PHASE 1** **FINAL ENGINEERING PLANS** **CONSTRUCTION DETAILS**

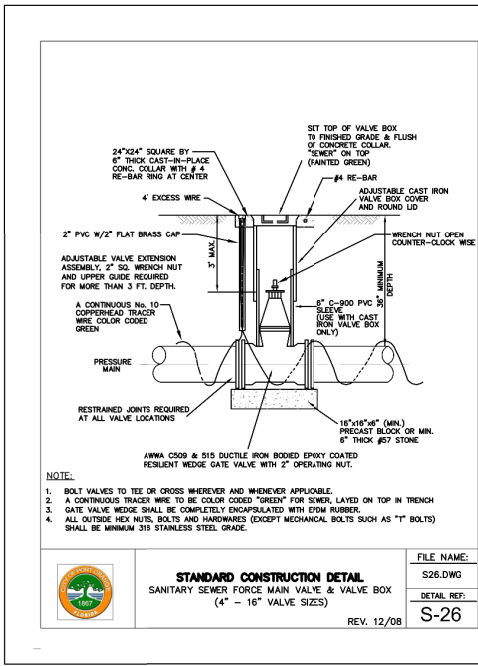
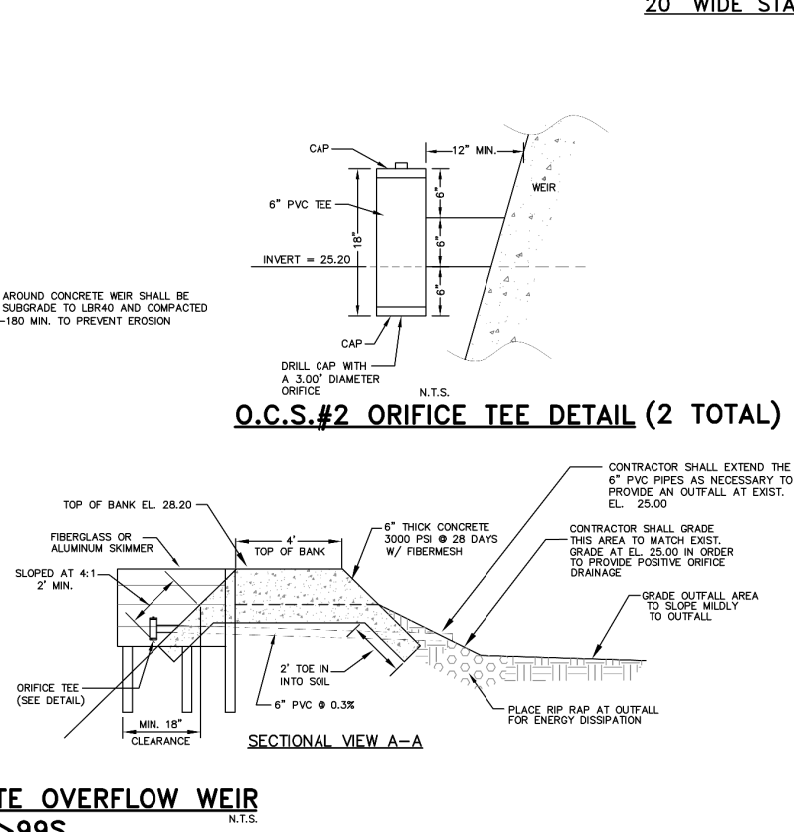
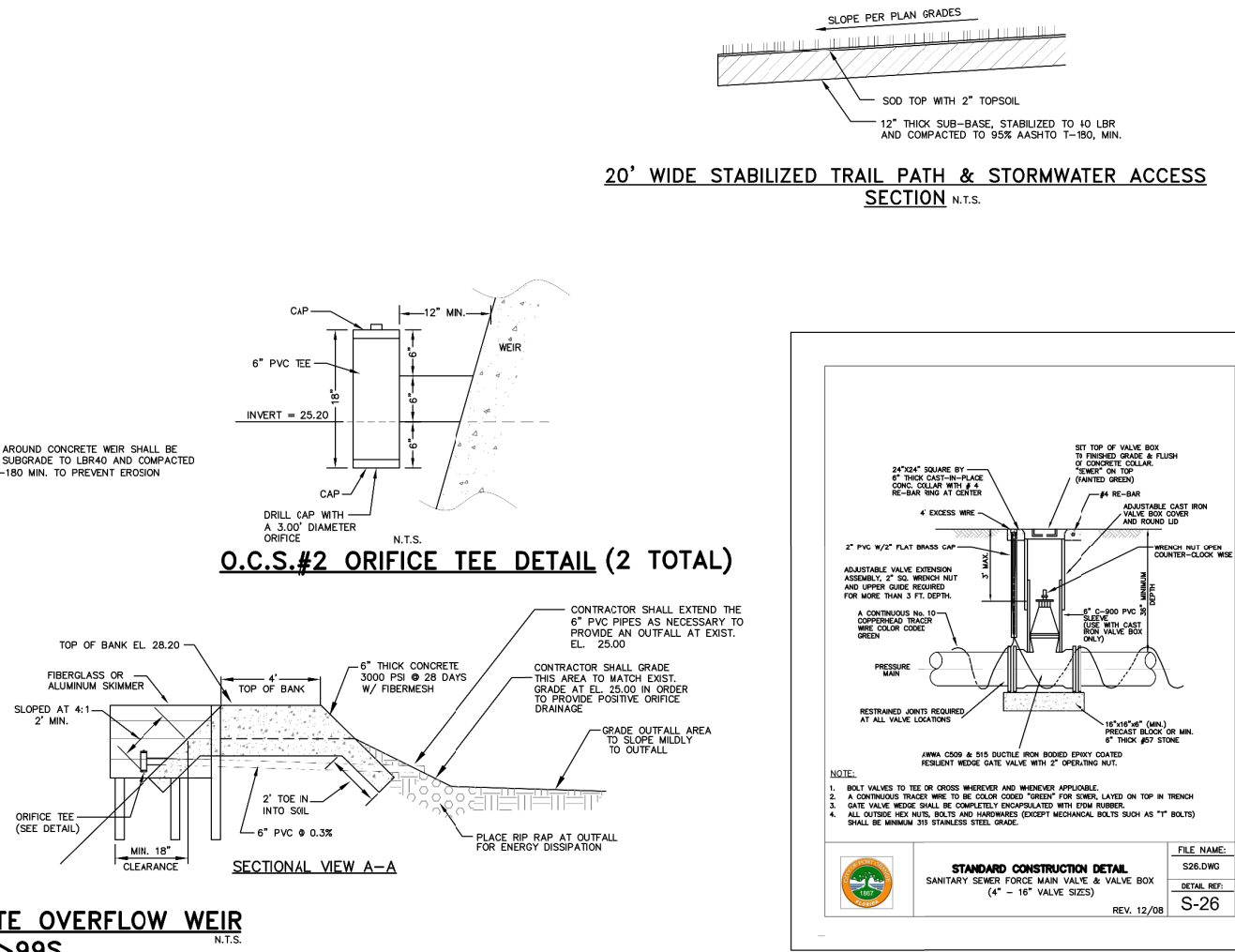
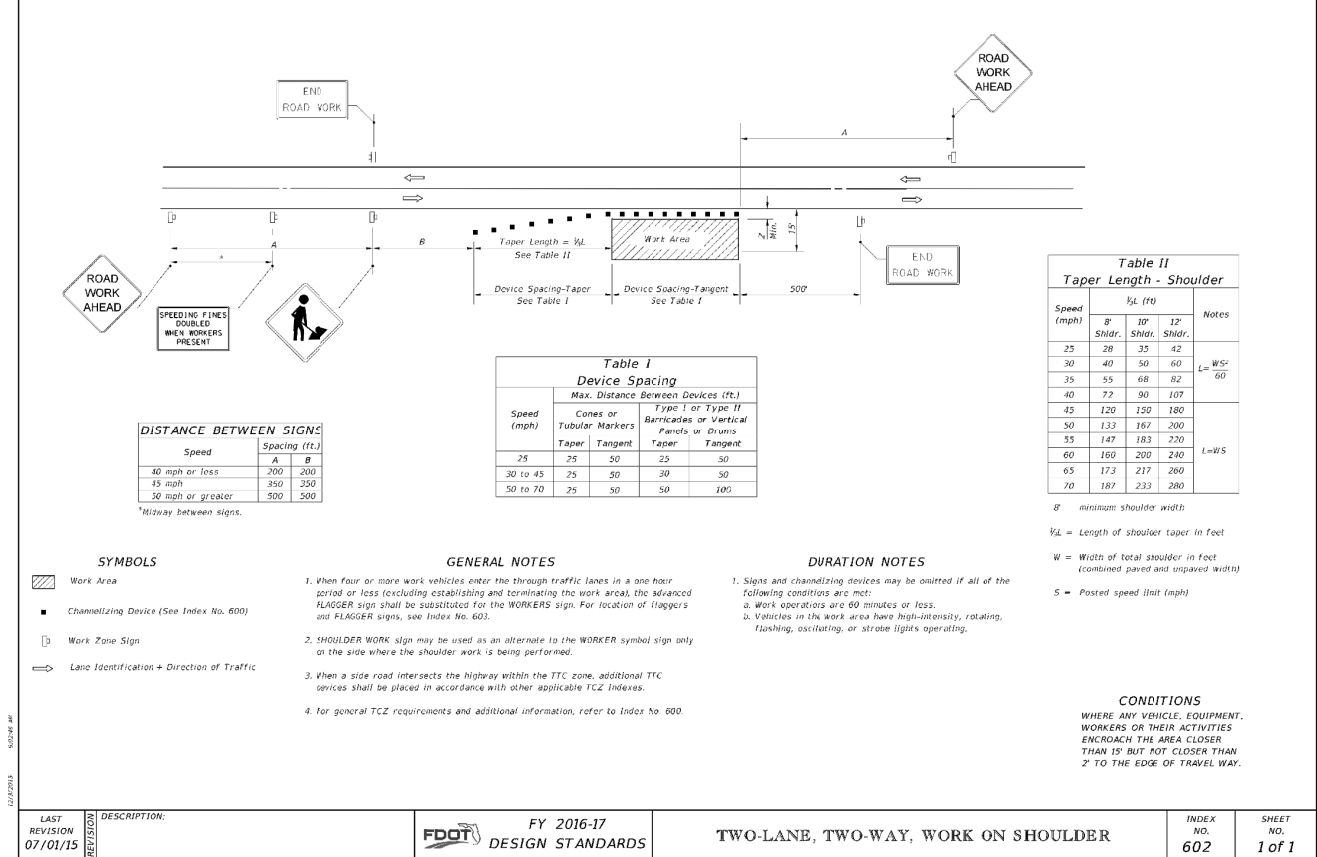
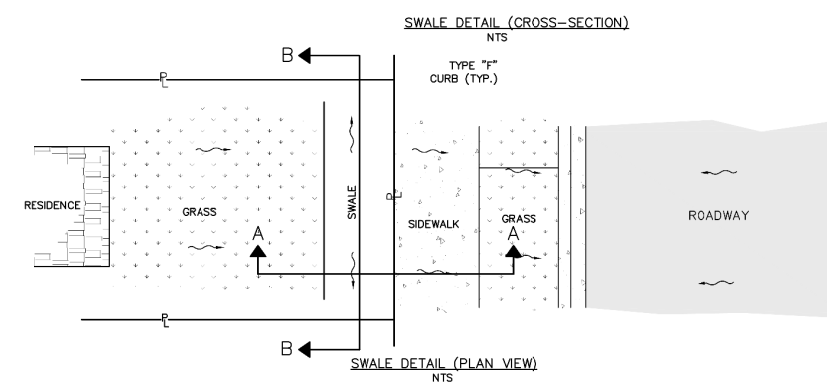
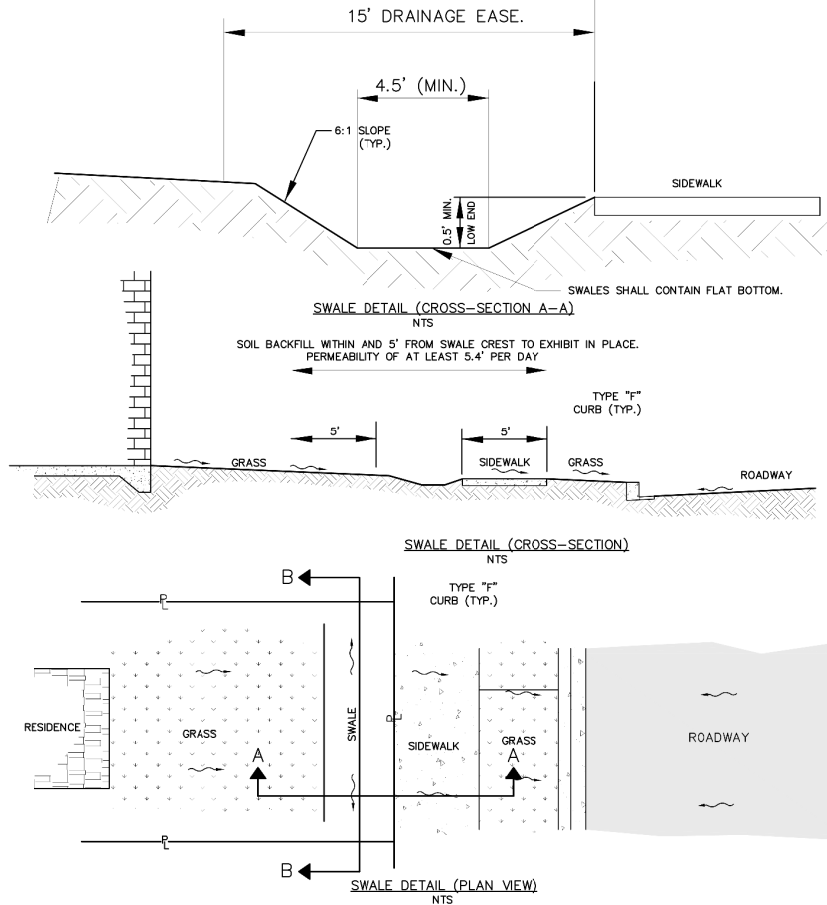
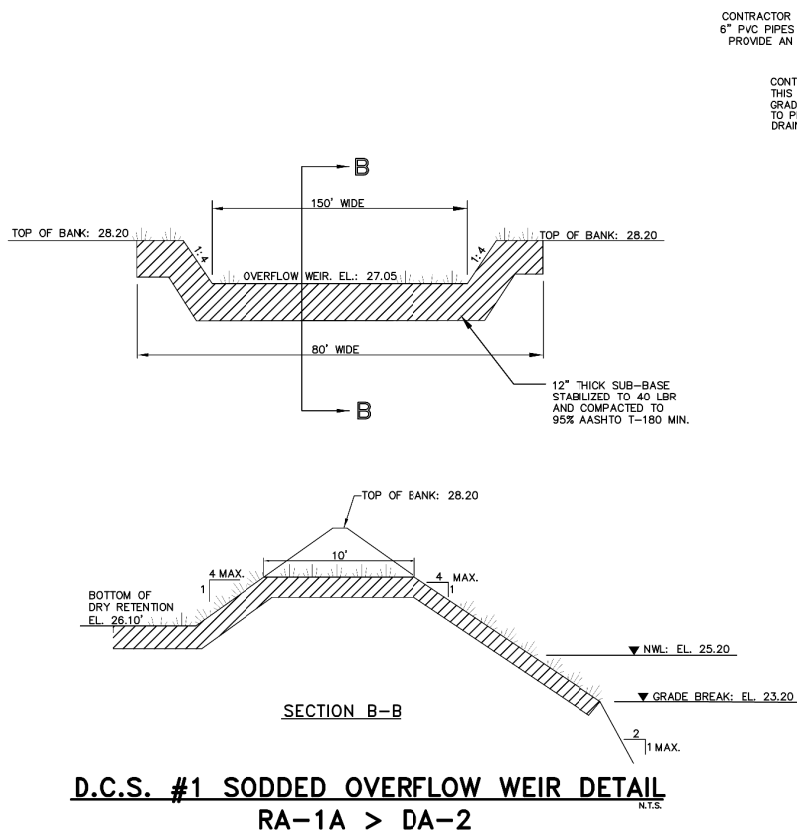
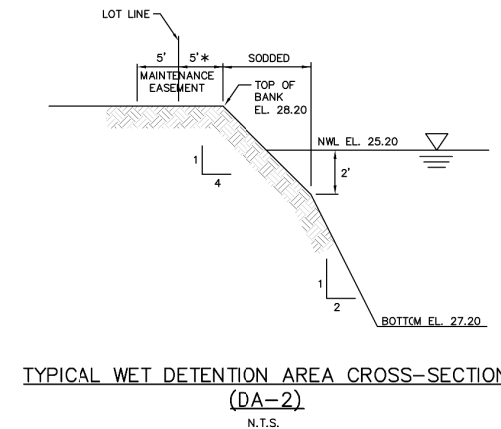
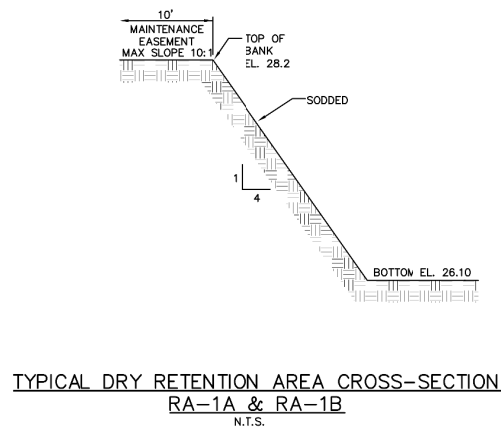
PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CWTR
CHECKED BY: BB



DRAWING FILE: C38-C46 16011DET
XREFS: 16011TB
XREFS:

NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., NO. 60011

SCALE: AS SHOWN
SHEET: C42 OF 46



ORMOND BEACH
3105 S. PALM BLVD., SUITE 100
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD, SUITE 100
EDGEWATER, FL 32112
(386) 577-2482 FAX (386) 677-2505

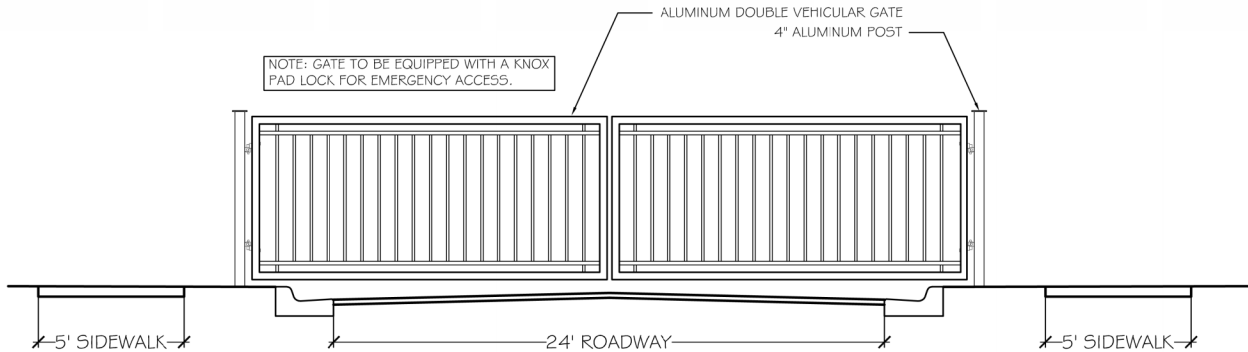
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2	02/07/17	Revisions Per City Comments Dated 01/25/17
3	03/01/17	Revisions Per City Comments Dated 02/06/17
4	03/15/17	Revisions Per City Comments Dated 03/15/17

WOODHAVEN
PHASE 1
FINAL ENGINEERING PLANS
CONSTRUCTION DETAILS
VOLusia COUNTY, FL
CITY OF PORT ORANGE

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CWTR
CHECKED BY: BB
DRAWING FILE: C38-C46 16011DET
XREFS: 16011TB
XREFS:

ROBERT J. BALL
LICENSE
No. 80001
MAR 20 2017
PROFESSIONAL ENGINEER
NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E. NO. 60001

SCALE: AS SHOWN
SHEET: C44 OF 46



EMERGENCY ACCESS GATE AT CROSSWIND WAY & STERLING CHASE DR.
N.T.S.

FDEP SEPARATION NOTES

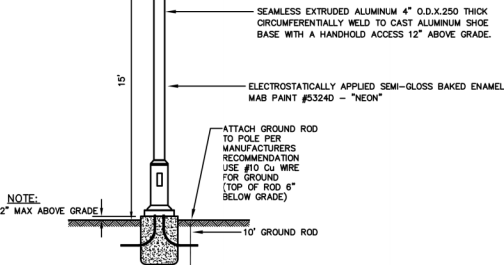
NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER, NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY-OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY-OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.



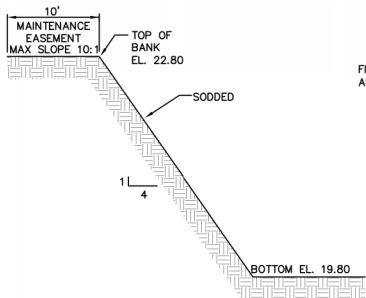
FPL POST-TOP TRADITIONAL

LIGHT SHALL BE 150 WATT HPS WITH SOLAR CELL

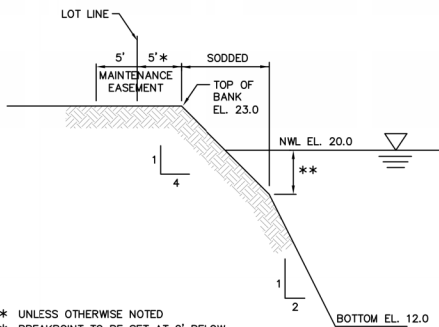


1. ALL WALKLIGHTS SHALL BE LOCATED ON 100' CENTERS. THE PLANNING DIVISION SHALL BE CONTACTED AT (386) 506-5600 TO FIELD VERIFY THE PROPOSED LOCATIONS FOR WALKLIGHTS.
2. ALL LIGHT POLES SHALL BE DESIGNED TO WITHSTAND 130 M.P.H. WIND SPEED.
3. THE STRING / SERIES OF WALK LIGHTS ADJACENT TO EACH PROJECT SHALL BE FITTED AND CONTROLLED BY ONE SINGLE SOLAR CELL.
4. MAINTENANCE AND OPERATION OF WALKLIGHTS SHALL BE THE RESPONSIBILITY OF THE HOMEOWNERS ASSOCIATION OR ADJACENT PROPERTY OWNER.

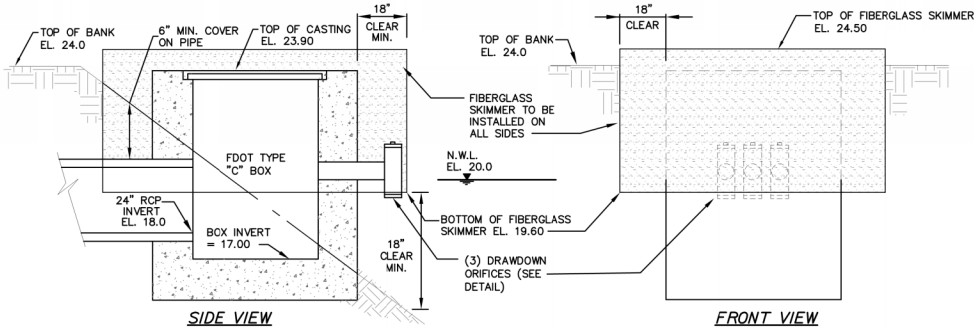
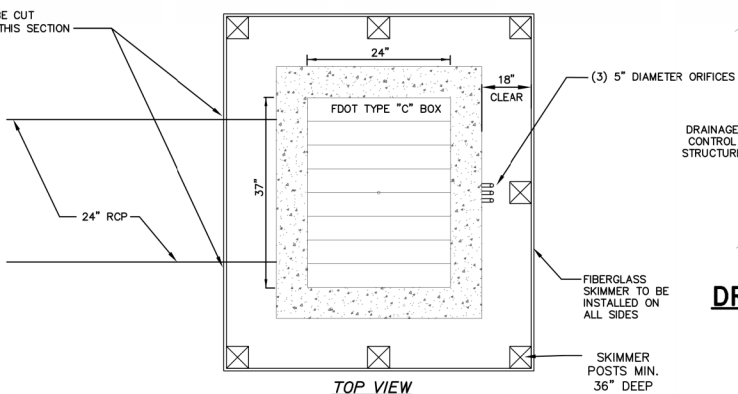
WALKWAY LIGHT DETAIL N.T.S.



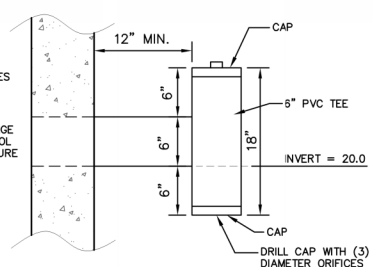
TYPICAL DRY RETENTION AREA CROSS-SECTION
RA-7
N.T.S.



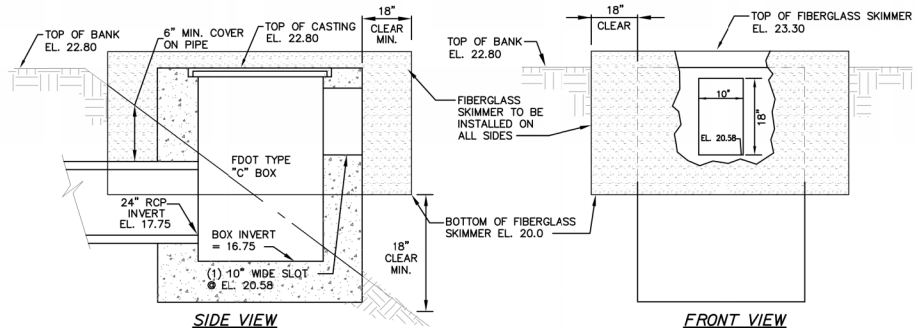
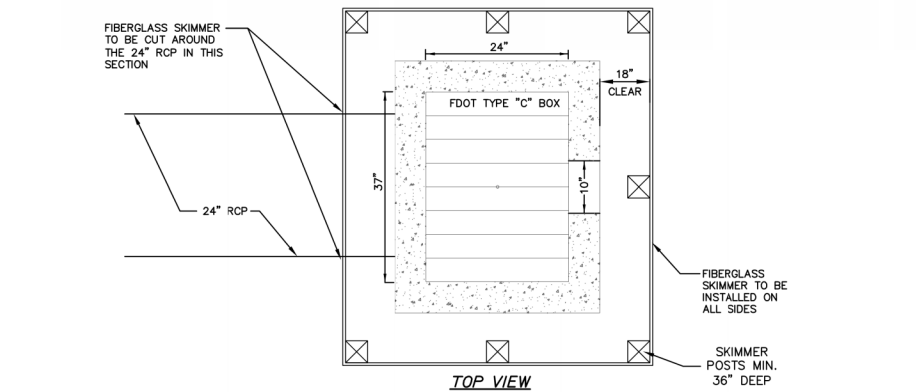
TYPICAL WET DETENTION AREA CROSS-SECTION
(DA-3, DA-4, DA-5, DA-6)
N.T.S.



D.C.S.#3 DRAINAGE CONTROL STRUCTURE W/ FIBERGLASS SKIMMER
FDOT TYPE "C" BOX
N.T.S.

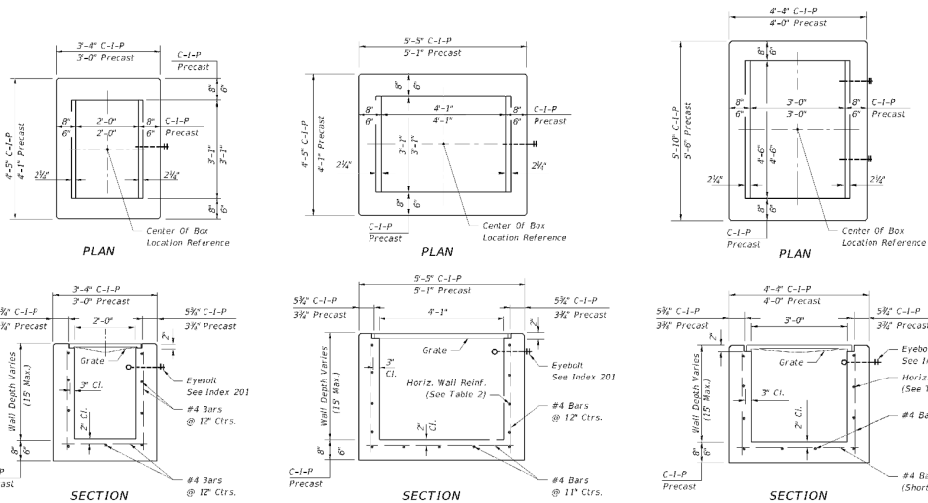


DRAWDOWN ORIFICE DETAIL
N.T.S.



D.C.S.#4 DRAINAGE CONTROL STRUCTURE W/ FIBERGLASS SKIMMER
FDOT TYPE "C" BOX
N.T.S.

DIMENSIONS AND QUANTITIES																						
D	X	A	B	C	E	F	G	H	M				N	5½" CONCRETE SLAB (CY) ▽				SODDING (SY)				See General Note No. 5. See Sheet 5 for P Slab Quantities.
									Single	Double	Triple	Quad.		Single	Double	Triple	Quad.	Single	Double	Triple	Quad.	
1:2 Slope	15'	2'-7"	1.92	2.18	4.10	2.06	5	1.22	2.9	4.83	7.21	9.79	12.37	1.19	0.38	0.58	0.77	0.96	21	24	27	30
	18'	2'-10"	1.97	2.74	4.71	2.56	6	1.41	3.4	4.92	7.75	10.58	13.42	1.21	0.44	0.65	0.87	1.09	27	25	28	31
	24'	3'-5"	2.06	3.85	5.91	3.56	7	1.73	3.4	5.50	8.92	12.33	15.75	1.29	0.54	0.83	1.12	1.42	24	26	32	35
	30'	4'-3"	2.15	4.95	7.10	4.56	8	2.00	3.4	6.08	10.33	14.58	18.87	1.29	0.66	1.09	1.50	1.91	26	31	35	40
	36'	5'-1"	2.25	6.08	8.23	5.56	9	2.24	3.4	6.67	11.75	16.83	21.92	1.32	0.81	1.36	1.95	2.51	28	34	39	45
	42'	6'-0"	2.34	7.21	9.55	6.56	10	2.48	3.4	7.29	13.25	19.29	25.29	1.38	0.97	1.70	2.45	3.19	30	37	43	50
	48'	6'-9"	2.43	8.33	10.76	7.56	11	2.69	3.4	7.83	14.58	21.33	28.08	1.42	1.13	2.04	2.93	3.84	32	39	47	54
	54'	7'-8"	2.52	9.44	11.90	8.56	12	2.89	3.4	8.42	16.08	23.75	31.42	1.46	1.31	2.44	3.58	4.72	34	42	51	59
	60'	8'-6"	2.62	10.56	13.18	9.56	14	3.00	4.4	9.00	17.50	26.00	34.50	1.50	1.51	2.89	4.38	5.68	36	45	55	64
	66'	9'-2"	2.71	11.68	14.39	10.56	15	3.18	4.4	9.58	18.75	27.92	37.08	1.54	1.68	3.25	4.84	6.43	38	48	58	68
1:4 Slope	72'	10'-0"	2.80	12.80	15.60	11.56	16	3.36	4.4	10.16	20.16	30.16	40.16	1.58	1.89	3.74	5.59	7.45	40	51	62	73
	78'	10'-10"	2.87	13.97	16.83	12.56	17	3.54	4.4	10.73	21.33	31.33	41.33	1.62	2.00	4.11	6.15	8.29	42	53	64	75
	84'	11'-4"	2.94	15.14	17.94	13.56	18	3.72	4.4	11.30	22.50	32.50	42.50	1.66	2.11	4.42	6.61	8.85	44	55	66	77
	90'	12'-0"	3.01	16.31	19.01	14.56	19	3.90	4.4	11.87	23.67	33.67	43.67	1.70	2.19	4.73	7.02	9.36	46	57	68	79
	96'	12'-6"	3.08	17.48	20.08	15.56	20	4.08	4.4	12.44	24.83	34.83	44.83	1.74	2.29	5.05	7.44	9.88	48	59	70	81
	102'	13'-2"	3.15	18.65	21.08	16.56	21	4.26	4.4	13.01	26.00	36.00	46.00	1.78	2.39	5.37	7.83	10.27	50	61	72	83
	108'	13'-8"	3.22	19.82	22.08	17.56	22	4.44	4.4	13.58	27.17	37.17	47.17	1.82	2.49	5.69	8.22	10.66	52	63	74	85
	114'	14'-4"	3.29	20.99	23.08	18.56	23	4.62	4.4	14.15	28.33	38.33	48.33	1.86	2.59	6.01	8.61	11.05	54	65	76	87
	120'	15'-0"	3.36	22.16	24.08	19.56	24	4.80	4.4	14.72	29.50	39.50	49.50	1.90	2.69	6.33	9.02	11.46	56	67	78	89
	126'	15'-6"	3.43	23.33	25.08	20.56	25	4.98	4.4	15.29	30.67	40.67	50.67	1.94	2.79	6.65	9.42	11.90	58	69	80	91
1:1 Slope	132'	16'-2"	3.50	24.50	26.08	21.56	26	5.16	4.4	15.86	31.83	41.83	51.83	1.98	2.89	6.97	9.78	12.34	60	71	82	93
	138'	16'-8"	3.57	25.67	27.08	22.56	27	5.34	4.4	16.43	33.00	43.00	53.00	2.02	2.99	7.29	10.18	12.78	62	73	84	95
	144'	17'-4"	3.64	26.84	28.08	23.56	28	5.52	4.4	17.00	34.17	44.17	54.17	2.06	3.09	7.61	10.54	13.18	64	75	86	97
	150'	18'-0"	3.71	28.01	29.08	24.56	29	5.70	4.4	17.57	35.33	45.33	55.33	2.10	3.19	7.93	10.90	13.62	66	77	88	99
	156'	18'-6"	3.78	29.18	30.08	25.56	30	5.88	4.4	18.14	36.50	46.50	56.50	2.14	3.29	8.25	11.26	14.06	68	79	90	101
	162'	19'-2"	3.85	30.35	31.08	26.56	31	6.06	4.4	18.71	37.67	47.67	57.67	2.18	3.39	8.57	11.62	14.50	70	81	92	103
	168'	19'-8"	3.92	31.52	32.08	27.56	32	6.24	4.4	19.28	38.83	48.83	58.83	2.22	3.49	8.89	11.98	14.94	72	83	94	105
	174'	20'-4"	3.99	32.69	33.08	28.56	33	6.42	4.4	19.85	40.00	50.00	60.00	2.26	3.59	9.21	12.34	15.38	74	85	96	107
	180'	21'-0"	4.06	33.86	34.08	29.56	34	6.60	4.4	20.42	41.17	51.17	61.17	2.30	3.69	9.53	12.70	15.82	76	87	98	109
	186'	21'-6"	4.13	35.03	35.08	30.56	35	6.78	4.4	20.99	42.33	52.33	62.33	2.34	3.79	9.85	13.06	16.26	78	89	100	111
1:1 Slope	192'	22'-2"	4.20	36.20	36.08	31.56	36	6.96	4.4	21.56	43.50	53.50	63.50	2.38	3.89	10.17	13.42	16.70	80	91	102	113
	198'	22'-8"	4.27	37.37	37.08	32.56	37	7.14	4.4	22.13	44.67	54.67	64.67	2.42	3.99	10.49	13.78	17.14	82	93	104	115
	204'	23'-4"	4.34	38.54	38.08	33.56	38	7.32	4.4	22.70	45.83	55.83	65.83	2.46	4.09	10.81	14.14	17.58	84	95	106	117
	210'	24'-0"	4.41	39.71	39.08	34.56	39	7.50	4.4	23.27	47.00	57.00	67.00	2.50	4.19	11.13	14.50	18.02	86	97	108	119
	216'	24'-6"	4.48	40.88	40.08	35.56	40	7.68	4.4	23.84	48.17	58.17	68.17	2.54	4.29	11.45	14.86	18.46	88	99	110	121
	222'	25'-2"	4.55	42.05	41.08	36.56	41	7.86	4.4	24.41	49.33	59.33	69.33	2.58	4.39	11.77	15.22	18.90	90	101	112	123
	228'	25'-8"	4.62	43.22	42.08	37.56	42	8.04	4.4	24.98	50.50	60.50	70.50	2.62	4.49	12.09	15.58	19.34	92	103	114	125
	234'	26'-4"	4.69	44.39	43.08	38.56	43	8.22	4.4	25.55	51.67	61.67	71.67	2.66	4.59	12.41	15.94	19.78	94	105	116	127
	240'	27'-0"	4.76	45.56	44.08	39.56	44	8.40	4.4	26.12	52.83	62.83	72.83	2.70	4.69	12.73	16.30	20.22	96	107	118	129
	246'	27'-6"	4.83	46.73	45.08	40.56	45	8.58	4.4	26.69	54.00	64.00	74.00	2.74	4.79	13.05	16.66	20.66	98	109	120	131



HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 1)

WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING BARS WWF
0'-15"	A12	0.20	12" 8"

TYPE C

Recommended Maximum Pipe Size:

2'-0" Wall - 18" Pipe
3'-1" Wall - 24" Pipe (18" where an 18" pipe enters a 2'-0" wall)

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 2)

WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING BARS WWF
0'-6"	A12	0.20	12" 8"
6'-10"	A6	0.20	6" 5"
10'-13"	A4	0.20	4" 3"
10'-15"	B5.5	0.24	5 1/2" 5"

TYPE D

Recommended Maximum Pipe Size:

3'-1" Wall - 24" Pipe
4'-1" Wall - 30" Pipe

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 3)

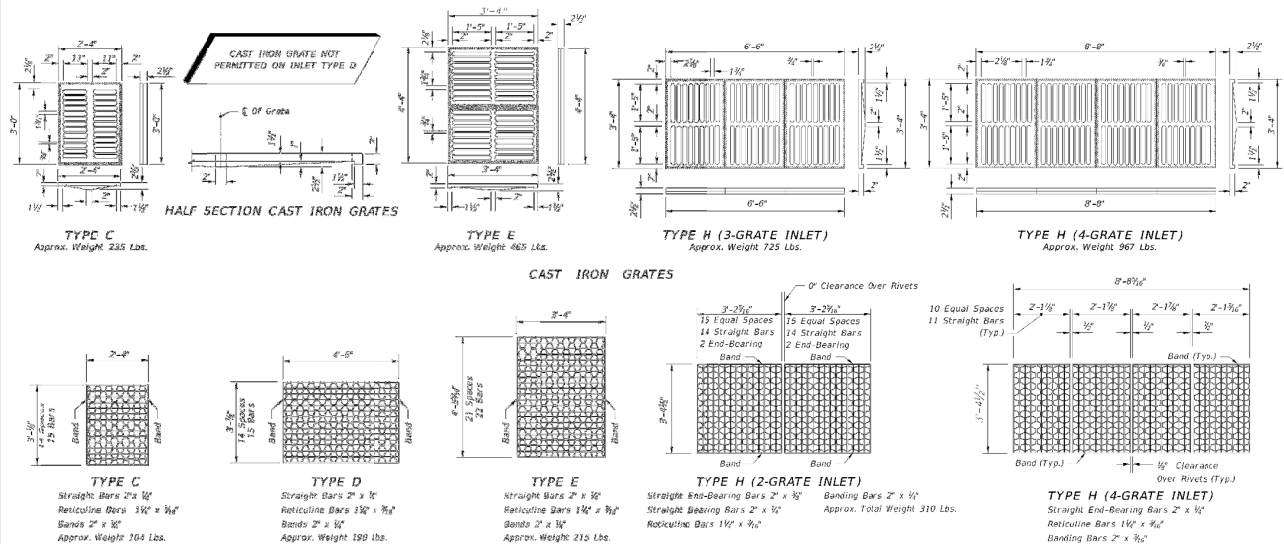
WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING BARS WWF
0'-5"	A12	0.20	12" 8"
6'-10"	A6	0.20	6" 5"
7'-5"-10"	B5.5	0.24	5 1/2" 5"
10'-15"	C6.5	0.37	6 1/2" 6"

TYPE E

Recommended Maximum Pipe Size:

3'-0" Wall - 24" Pipe
4'-0" Wall - 30" Pipe

LAST REVISION	DESCRIPTION	FDOT	FY 2016-17 DESIGN STANDARDS	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX NO.	SHEET NO.
07/01/05					232	1 of 7



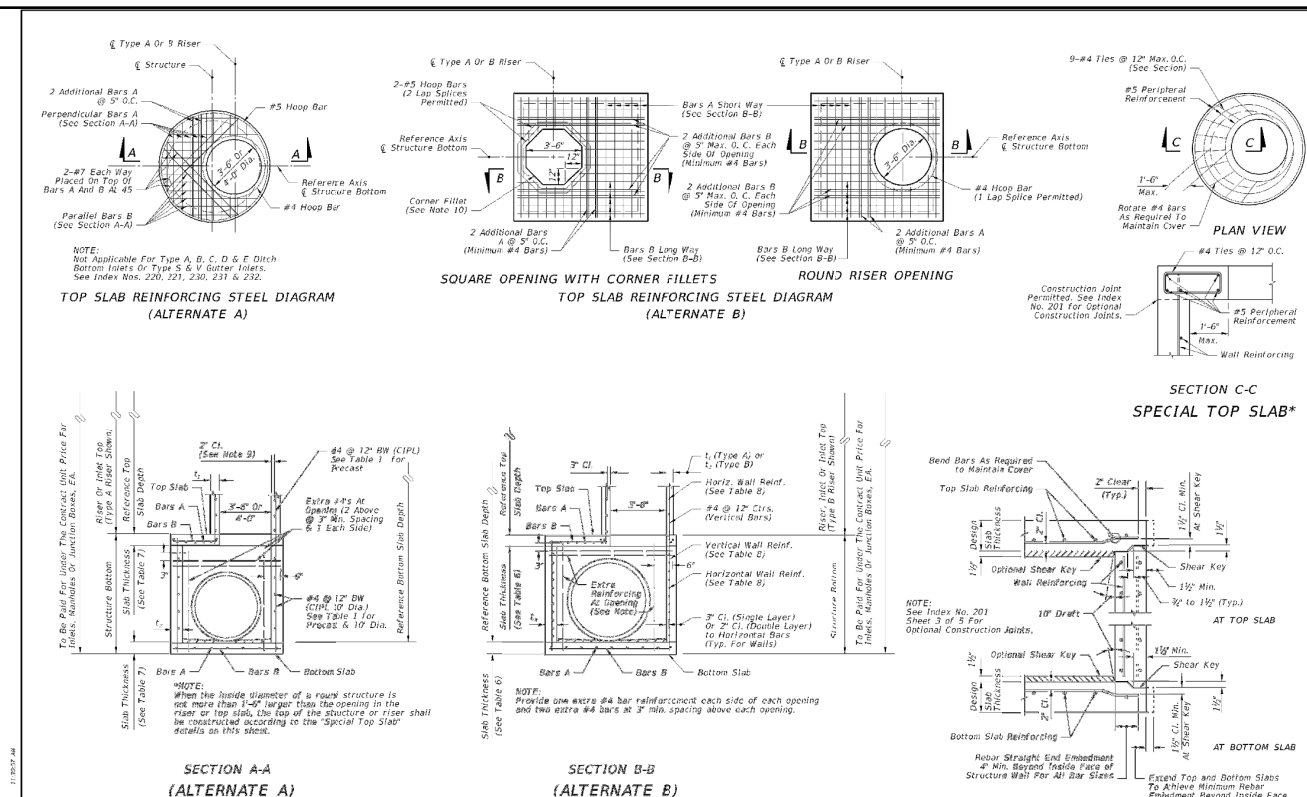
STEEL GRATES

NOTE: Steel Grates Are Required on Inlets With Traversable Slots and on Inlets where Bicycle Traffic Is Anticipated

GENERAL NOTES

- These inlets are suitable for bicycle traffic and are to be used in ditches, medians and other areas subject to infrequent traffic loadings but are not to be placed in areas subject to any heavy wheel loads. These inlets may be placed in areas subject to occasional pedestrian traffic such as landscaped areas and paved areas where pedestrians can walk around the inlet.
- Inlets subject to animal debris should be constructed without slots. Where debris is a problem inlets should be constructed with slots. Slotted inlets located within roadway clear zones and areas subject to pedestrians shall have traversable slots. The traversable slot modification is not adaptable to Inlet Type H. Slots may be constructed at either or both ends as shown on plans. Traversable slots shall not be used in areas subject to occasional bicycle traffic.
- Steel grates are to be used on all inlets where bicycle traffic is anticipated. Steel grates are to be used on all inlets with traversable slots. Either cast iron or steel grates may be used on inlets without slots where bicycle traffic is not anticipated. Either cast iron or steel grates may be used on all inlets with non-traversable slots. Subject to the selection described above, when Alternate G grate is specified in the plans, either the steel grate, hot dip galvanized after fabrication, or the cast iron grate may be used, unless the plans stipulate the particular type.
- Recommended maximum pipe sizes shown are for concrete pipe. Size for other types of pipe must be checked for fit.
- All exposed edges and corners shall be 3/4" chamfer or tool to 1/4" radius.
- Concrete inlet pavement to be used on inlets without slots and inlets with non-traversable slots only when called for in the plans, but required on all traversable slot inlets. Cost to be included in contract unit price for inlets. Quantities shown are for information only.
- Traversable slots constructed in existing inlets shall be paid for as inlets partial. For conversion work and method of payment see "TRAVERSABLE SLOT INLETS (PARTIAL) FOR EXISTING INLETS".
- Sodding to be used on all inlets not located in paved areas and paid for under contract unit price for Performance Turf, ST.
- For supplementary details see Index No. 201.
- All reinforcing is Grade 60 bars with 2" min. cover unless otherwise noted. Bars to be cut or bent for 1/4" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening.

LAST REVISION	DESCRIPTION	FDOT	FY 2016-17 DESIGN STANDARDS	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX NO.	SHEET NO.
07/01/10					232	3 of 7

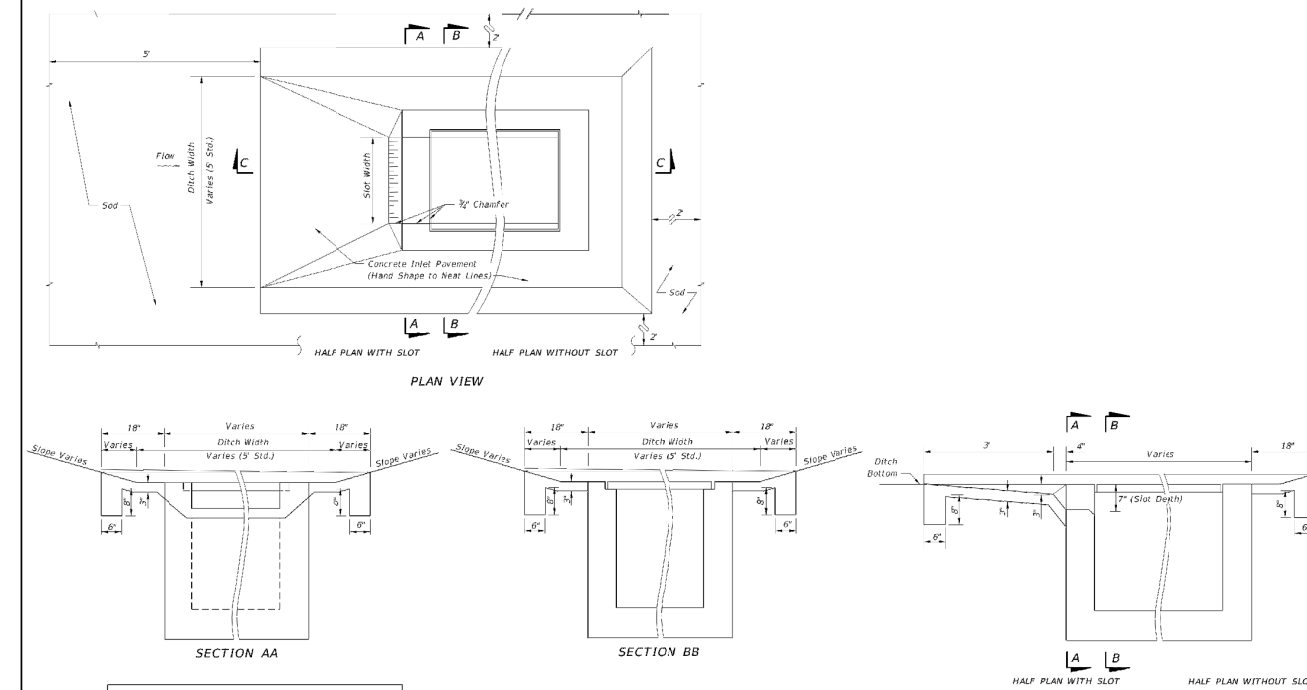


SECTION A-A (ALTERNATE A)

SECTION B-B (ALTERNATE B)

TYPICAL SLAB TO WALL DETAILS FOR PRECAST STRUCTURES

LAST REVISION	DESCRIPTION	FDOT	FY 2016-17 DESIGN STANDARDS	STRUCTURE BOTTOMS TYPE J AND P	INDEX NO.	SHEET NO.
07/01/14					200	1 of 5



PAVEMENT AND SODDING QUANTITIES FOR TRAVERSABLE SLOTS					
Inlet	Pavement		Sod		CY
	Single Slot	Double Slot	Single Slot	Double Slot	
C	4.87	0.77	6.16	0.93	12
D	5.99	0.91	7.70	1.10	14
E	5.88	0.91	7.37	1.08	14

TRAVERSABLE SLOTS

LAST REVISION	DESCRIPTION	FDOT	FY 2016-17 DESIGN STANDARDS	DITCH BOTTOM INLET TYPES C, D, E AND H	INDEX NO.	SHEET NO.
07/01/07					232	4 of 7



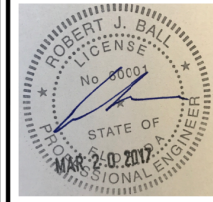
ORMOND BEACH
3105 AIRPARK ROAD
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD
ORMOND BEACH, FL 32174
(386) 577-2482 FAX (386) 677-2505

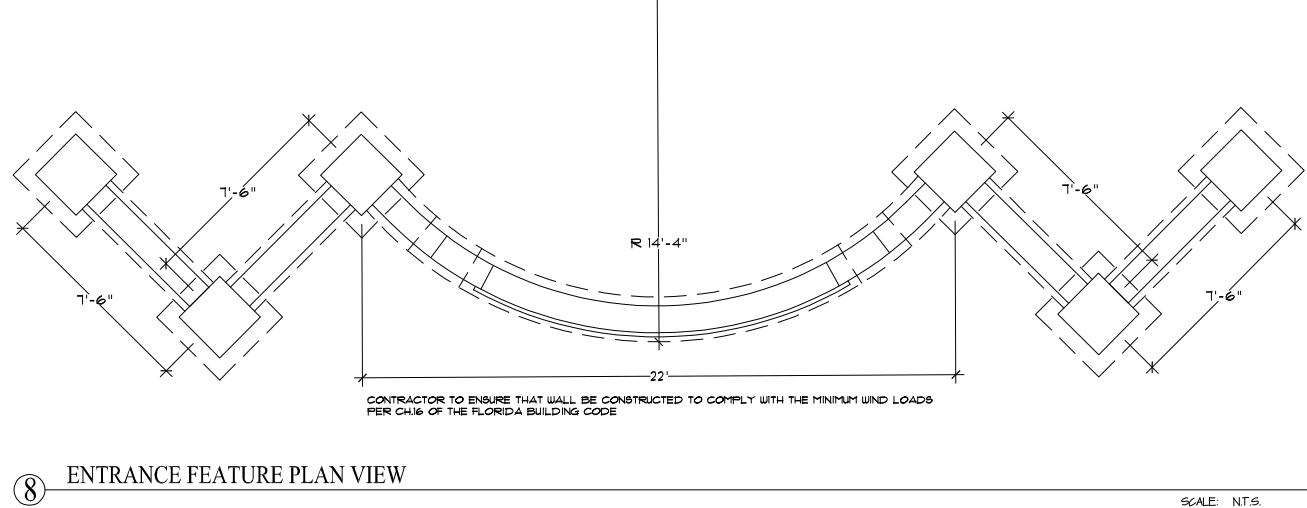
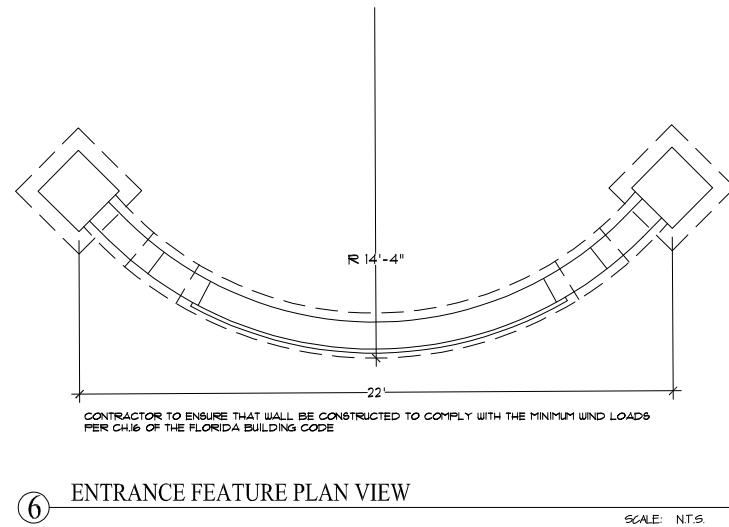
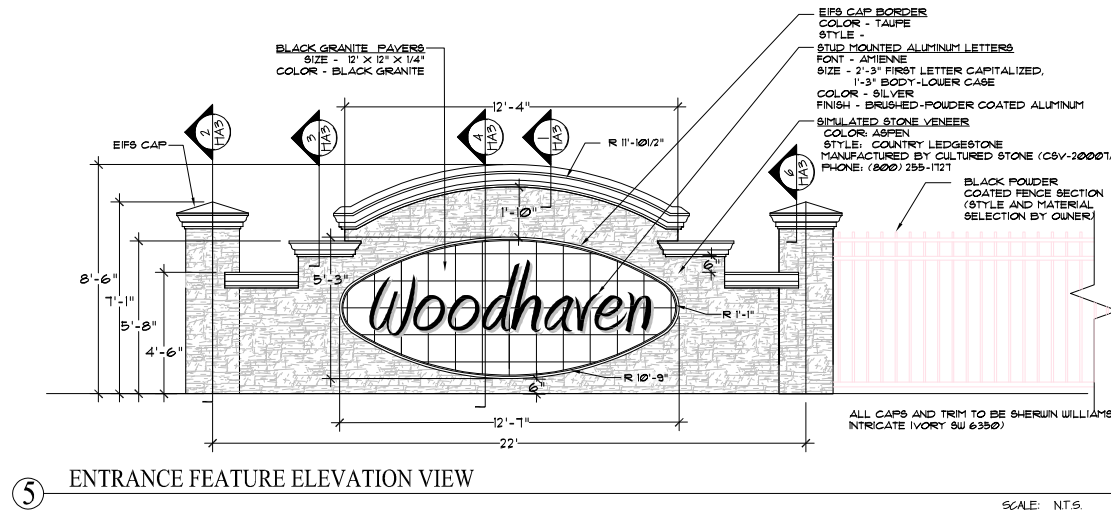
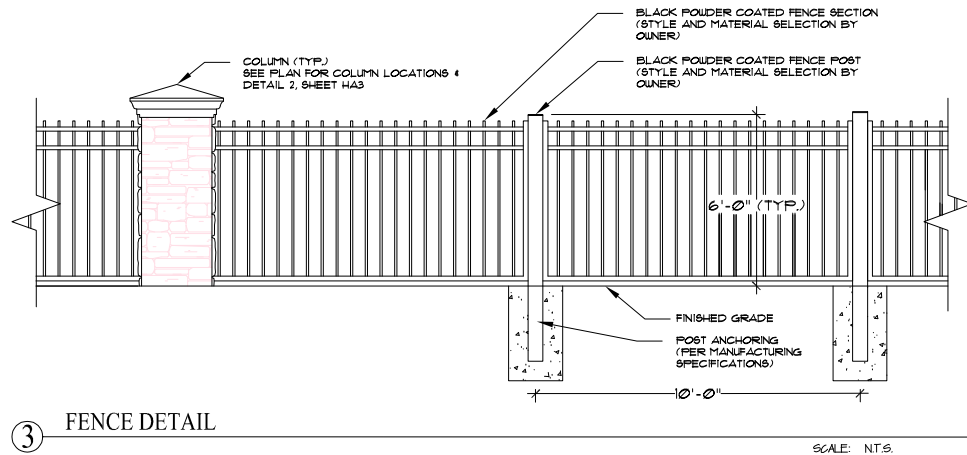
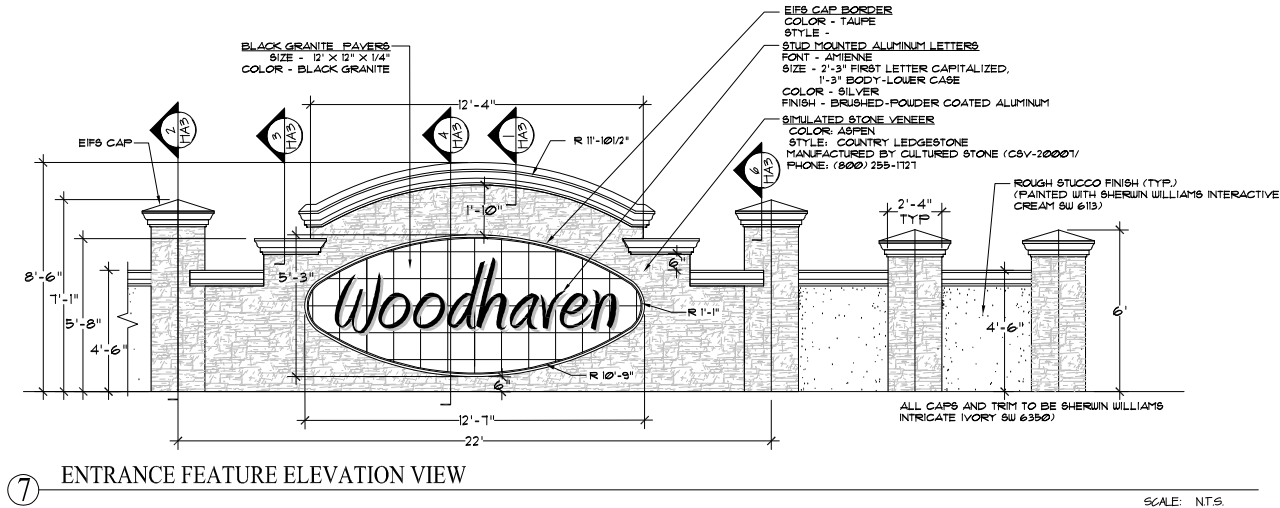
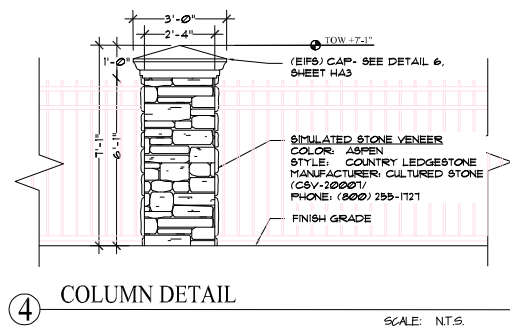
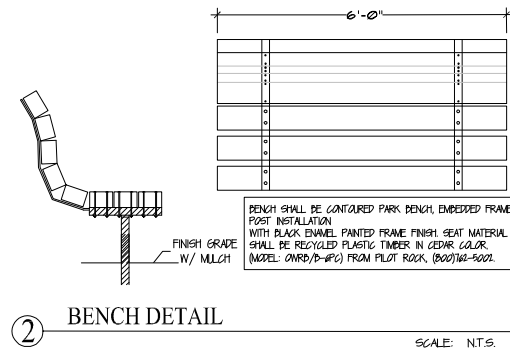
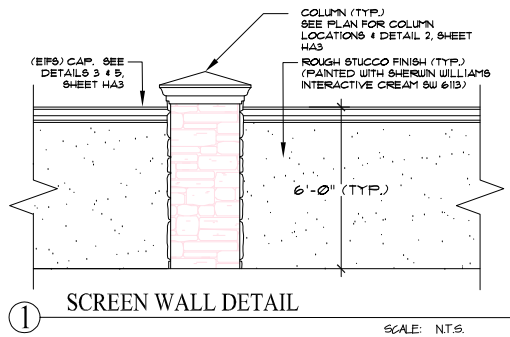
NO.	DATE	REVISIONS	BY	CHK	APP
1	01/25/17	Revisions Per City Comments Dated 01/25/17			
2	02/01/17	Revisions Per City Comments Dated 01/25/17			
3	03/01/17	Revisions Per City Comments Dated 02/01/17			
4	03/01/17	Revisions Per City Comments Dated 03/01/17			

WOODHAVEN PHASE 1 FINAL ENGINEERING PLANS CONSTRUCTION DETAILS

PROJECT NO: ZC 16011
ISSUE DATE: 10-28-2016
DESIGNED BY: HK
DRAFTED BY: CWTR
CHECKED BY: BB
DRAWING FILE: C38-C46 16011DET
XREFS: 16011TIB
XREFS:



NOT VALID WITHOUT SEAL
ROBERT J. BALL, P.E., NO. 6001



DESIGN INTENT DRAWINGS ONLY.
STRUCTURAL DESIGN BY OTHERS,
CONTRACTOR TO SUBMIT SHOP
DRAWINGS FOR CONSTRUCTION PERMITS



ORMOND BEACH
300 INTERCHANGE BLVD., STE. C
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

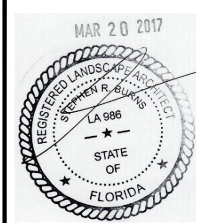
EDGEWATER
EDGEWATER, FL 32132
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS
1.	2-1-17	REVISED PER STAFF COMMENTS, DATED 2-1-17
2.	3-2-17	REVISED PER STAFF COMMENTS, DATED 2-16-17
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

WOODHAVEN
PHASE 1
HARDSCAPE PLAN & DETAILS

VOLusia COUNTY, FLORIDA
CITY OF PORT ORANGE

PROJECT NO: 16011
ISSUE DATE: 12-28-16
DESIGNED BY: SMG
DRAFTED BY: SMG
CHECKED BY: SRB
DRAWING FILE: 16011HA
XREFS: 16011 BAS
XREFS:



NOT VALID WITHOUT SEAL
STEPHEN R. BURNS, R.L.A. NO. 986
SCALE:
SHEET: HA2 OF 3



ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER, FL 32132
(386) 677-2482 FAX (386) 677-2505

[illegible]

VOLUSIA COUNTY, FLORIDA

CITY OF PORT ORANGE

ISSUE DATE: 12-28-16

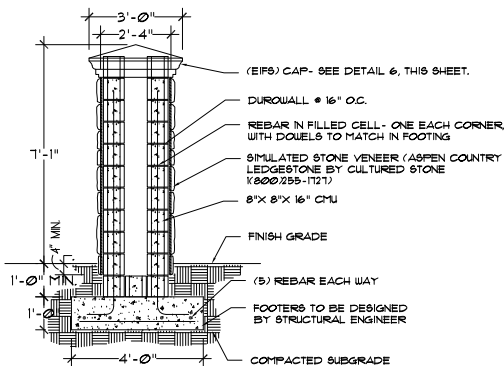
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DRAWING FILE: 1601-
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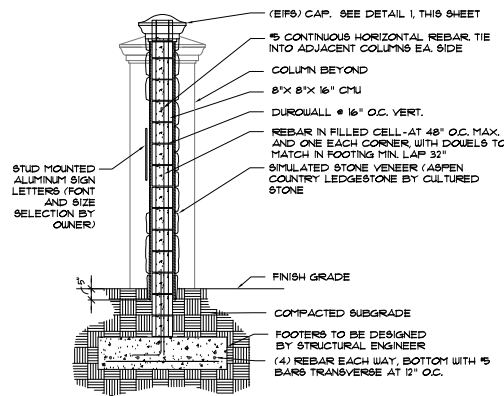


STEPHEN R. BURNS, R.L.A NO. 986

SHEET: HA3 OF 3

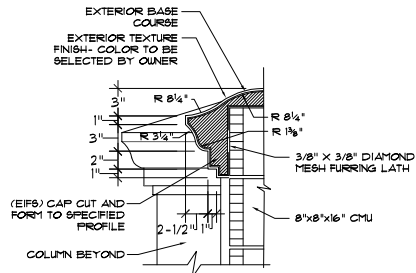


② SIGN COLUMN SECTION DETAIL

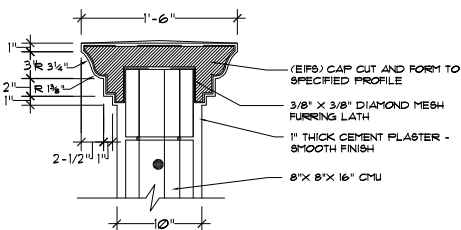


④ SIGN WALL SECTION DETAIL

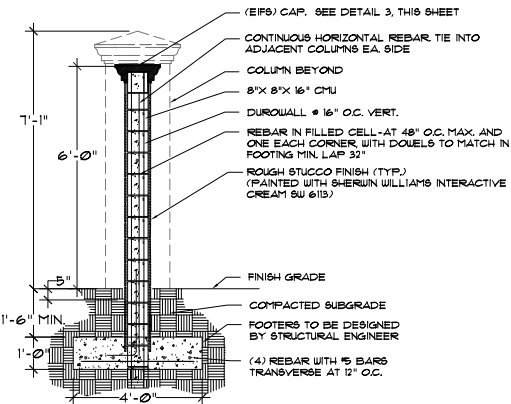
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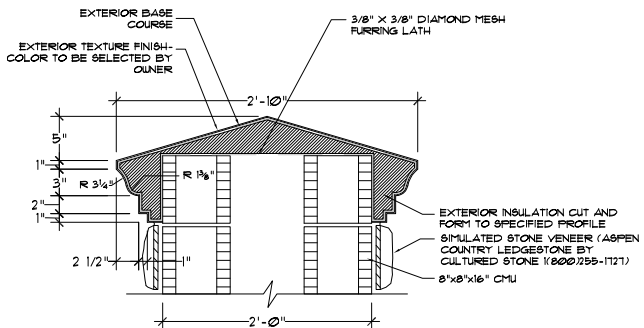
① SIGN CAP SECTION DETAIL



③ SIGN/WALL CAP SECTION DETAIL



5 SCREEN WALL SECTION DETAIL

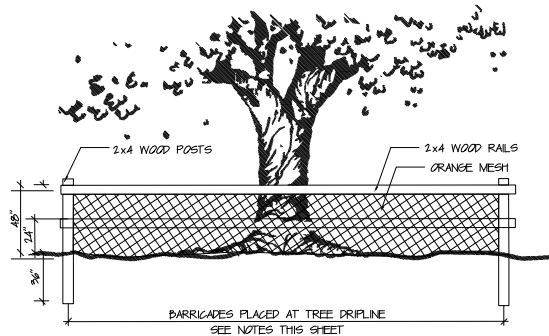


6 COLUMN CAP SECTION DETAIL

DESIGN INTENT DRAWINGS ONLY.
STRUCTURAL DESIGN BY OTHERS,
CONTRACTOR TO SUBMIT SHOP
DRAWINGS FOR CONSTRUCTION PERMITS

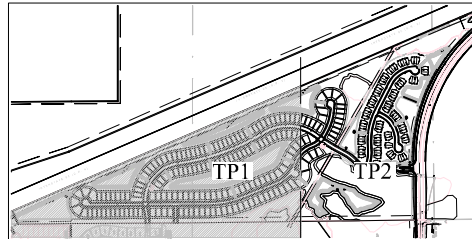
HARDSCAPE NOTES

1. **DIMENSIONS:** ALL LAYOUT DIMENSIONS ARE TO EDGE OF PAVEMENTS UNLESS OTHERWISE NOTED.
2. **LAYOUT:** ALL LAYOUT DIMENSIONS SHOWN ON DETAILS ARE APPROXIMATE.
3. **CONCRETE:** REFER TO CIVIL DRAWINGS FOR CONCRETE DESIGN SPECIFICATIONS AS WELL AS GRADING AND DRAINAGE INFORMATION.
4. **ACCESSIBILITY:** ALL CONSTRUCTION SHALL CONFORM WITH THE REQUIREMENTS FOR HANDICAP ACCESSIBILITY AS OUTLINED UNDER THE AMERICAN WITH DISABILITIES ACT GUIDELINES (ADAG).
5. **STAKING AND LAYOUT:** THE CONTRACTOR SHALL STAKE AND LAYOUT ALL IMPROVEMENTS USING THE GEOMETRIC DATA PROVIDED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETELY STAKE AND VERIFY THE ALIGNMENT BOTH VERTICAL AND HORIZONTAL AND TO INSURE PROPER POSITIONING PRIOR TO THE MANUFACTURING AND INSTALLATION OF ANY IMPROVEMENT. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IN WRITING IF ANY DISCREPANCIES ARE FOUND AND NOT PROCEED WITH THE WORK UNTIL DIRECTED.
6. **CONTROL JOINTS:** UNLESS OTHERWISE EXPRESSLY APPROVED IN WRITING BY THE OWNER ALL CONTROL JOINTS SHALL BE TOOLED. SAW CUTTING WILL NOT BE ACCEPTABLE.
7. **EXISTING IMPROVEMENTS:** THE CONTRACTOR SHALL REPAIR OR REPLACE TO AN EQUAL OR OR BETTER CONDITION ANY EXISTING IMPROVEMENTS LOCATED OUTSIDE OF THE UNITS OF WORK THAT ARE DAMAGED BY THE CONTRACTOR'S CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
8. **EXISTING UTILITIES:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. THE CONTRACTOR TO CALL SUNSHINE 811 (1-800-433-4710) BEFORE DIGGING COMMENCES.
9. **CONSTRUCTION JOINTS:** CAULK ALL JOINTS BEFORE PAINTING.
10. **PAINT:** COLOR FOR PAINTED SURFACES SHALL BE AS INDICATED ON THESE PLANS OR SELECTED BY THE OWNER OR OWNER'S REPRESENTATIVE. FINAL PAINT COLOR SELECTED BY OWNER OR OWNER'S REPRESENTATIVE SHALL BE APPLIED AND APPROVED PRIOR TO THE INSTALLATION OF SINGALE LETTERS.
11. **TRASH:** ALL CUTOFFS AND SCRAPS ARE TO BE REMOVED FROM SITE DAILY.
12. **INTENT:** THESE DRAWINGS ARE DESIGN INTENT DRAWINGS ONLY. CONTRACTOR SHALL VERIFY THAT ALL LOCAL STRUCTURAL SPECIFICATIONS AND BUILDING CODES ARE SATISFIED.
13. **SHOP DRAWINGS:** THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING REQUIRED STRUCTURAL DESIGN SPECIFICATIONS TO THE OWNER THAT ARE SIGNED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.



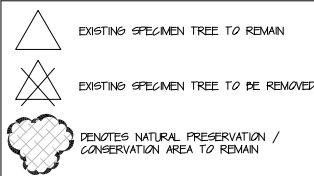
1 TREE PROTECTION BARRICADE DETAIL

1. PROTECT DESIGNATED EXISTING TREES SCHEDULED TO REMAIN AGAINST:
-UNNECESSARY CUTTING, BREAKING, OR SKINNING OF ROOTS
-SKINNING AND BRUISING OF BARK
-SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION OR EXCAVATION MATERIALS WITHIN DRIP-LINE
-FOOT OR VEHICULAR TRAFFIC
-PARKING VEHICLES WITHIN DRIP-LINE
2. ERECT TEMPORARY WOODEN BARRICADES AS SHOWN ON THIS SHEET BEFORE COMMENCEMENT OF ANY SITE CLEARING OR GRADING. FENCE TO BE A HIGH MINIMUM WITH 2 X 4 POSTS AND 2-X4 RAILS AT 2' AND 4' ABOVE GRADE AND SHALL BE SET DEEP ENOUGH IN THE GROUND TO BE STABLE WITHOUT ADDITIONAL SUPPORT. ALL FENCING SHOULD BE A MINIMUM CLEAR DISTANCE OF 6' FROM THE FACE OF ANY TREES 12" DBH AND UNDER AND SHALL FULLY ENCLOSE ALL TREES SCHEDULED TO REMAIN. NOTHING SHALL BE PLACED INSIDE OF PROTECTIVE BARRICADES INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIAL, MACHINERY, CHEMICALS, OR TEMPORARY SOIL DEPOSITS. ON TREES LARGER THAN 12" DBH, BARRICADES SHALL BE NO CLOSER THAN 10' FROM FACE OF TREE WHEN PAVING, EXCAVATION, OR HARDSCAPE MUST BE DONE. WITHIN BARRICADES, BARRICADES SHALL BE MOVED BACK TO A SECONDARY LOCATION AT EDGE OF WORK. EXTRA CARE MUST BE TAKEN AT THIS TIME BY THE CONTRACTOR TO ENSURE THAT NO DAMAGE TO THE TREE OCCURS.
3. PROVIDE WATER TO TREES AS REQUIRED TO MAINTAIN THEIR HEALTH DURING CONSTRUCTION WORK.
4. NO GRADE CHANGES ARE TO BE MADE WITHIN THE BARRICADES WITHOUT PRIOR APPROVAL OF THE COUNTY FORESTER.



SHEET LAYOUT LEGEND

LEGEND



NOTE: SEE TREE LEGEND FOR SPECIES AND PLAN VIEW FOR DBH.

TREE LEGEND

MV SWEET BAY MAGNOLIA
QG SAND LIVE OAK

15% NATURAL PRESERVATION

TOTAL SITE AREA	16.9 ACRES
TOTAL PRESERVATION AREA REQUIRED (CALCULATION: 16.9 AC. x 15% = 2.54 AC)	2.54 ACRES
UNDISTURBED NATURAL PRESERVATION AREA PROVIDED	2.125 ACRES

MINIMUM ON SITE TREES

MINIMUM TREES REQUIRED ON SITE CALCULATION: 500,000 SF. / 1900 SF. = 263	263
EXISTING TREES TO BE PRESERVED	304
NUMBER OF TREES PROVIDED ON LANDSCAPE PLAN	304
NUMBER OF TREES PROVIDED	304
TOTAL NUMBER OF TREES EXISTING, PLUS PROVIDED	608

* THE OVERALL TREE COUNT FOR PROPOSED TREES WILL TAKE INTO ACCOUNT THE INDIVIDUAL SINGLE FAMILY LOTS, MULTI-FAMILY BUILDINGS, WILLIAMSON BLVD AND ENTRY FEATURES AND MEDIANS TO MEET THE MINIMUM ON-SITE TREE REQUIREMENTS.

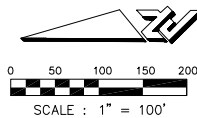
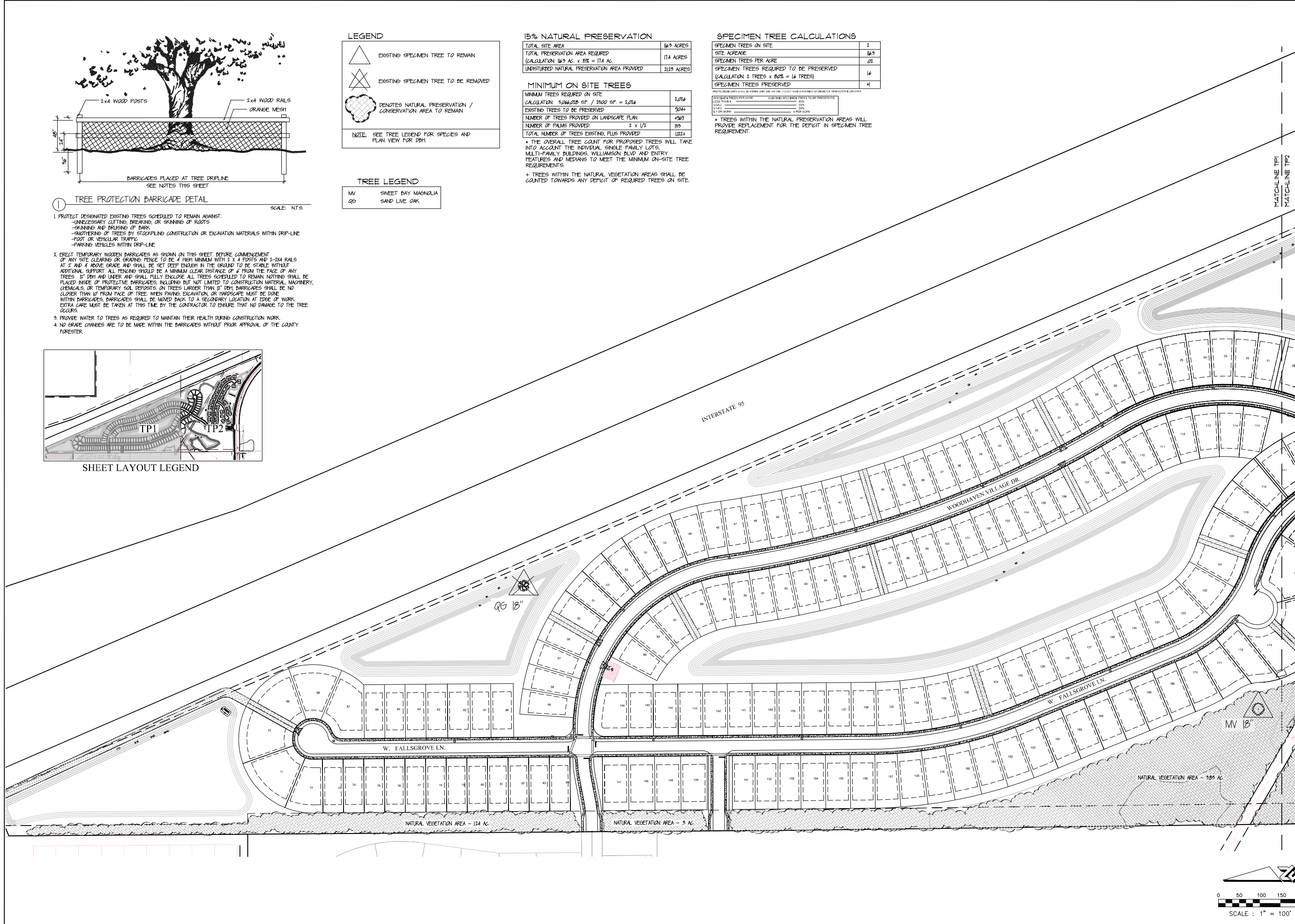
+ TREES WITHIN THE NATURAL VEGETATION AREAS SHALL BE COUNTED TOWARDS ANY DEFICIT OF REQUIRED TREES ON SITE.

SPECIMEN TREE CALCULATIONS

SPECIMEN TREES ON SITE	2
SITE AREA	16.9
SPECIMEN TREES PER ACRE	0.12
SPECIMEN TREES REQUIRED TO BE PRESERVED (CALCULATION: 2 TREES x 80% = 1.6 TREES)	1.6
SPECIMEN TREES PROVIDED	1

SPECIMEN TREES PER ACRE	EXISTING SPECIMEN TREES TO BE PRESERVED
LESS THAN 100	10%
100-199	20%
200-299	30%
300-399	40%
400-499	50%
500-599	60%
600-699	70%
700-799	80%
800-899	90%
900-999	100%
1000-1099	110%
1100-1199	120%
1200-1299	130%
1300-1399	140%
1400-1499	150%
1500-1599	160%
1600-1699	170%
1700-1799	180%
1800-1899	190%
1900-1999	200%
2000-2099	210%
2100-2199	220%
2200-2299	230%
2300-2399	240%
2400-2499	250%
2500-2599	260%
2600-2699	270%
2700-2799	280%
2800-2899	290%
2900-2999	300%
3000-3099	310%
3100-3199	320%
3200-3299	330%
3300-3399	340%
3400-3499	350%
3500-3599	360%
3600-3699	370%
3700-3799	380%
3800-3899	390%
3900-3999	400%
4000-4099	410%
4100-4199	420%
4200-4299	430%
4300-4399	440%
4400-4499	450%
4500-4599	460%
4600-4699	470%
4700-4799	480%
4800-4899	490%
4900-4999	500%
5000-5099	510%
5100-5199	520%
5200-5299	530%
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5500-5599	560%
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5900-5999	600%
6000-6099	610%
6100-6199	620%
6200-6299	630%
6300-6399	640%
6400-6499	650%
6500-6599	660%
6600-6699	670%
6700-6799	680%
6800-6899	690%
6900-6999	700%
7000-7099	710%
7100-7199	720%
7200-7299	730%
7300-7399	740%
7400-7499	750%
7500-7599	760%
7600-7699	770%
7700-7799	780%
7800-7899	790%
7900-7999	800%
8000-8099	810%
8100-8199	820%
8200-8299	830%
8300-8399	840%
8400-8499	850%
8500-8599	860%
8600-8699	870%
8700-8799	880%
8800-8899	890%
8900-8999	900%
9000-9099	910%
9100-9199	920%
9200-9299	930%
9300-9399	940%
9400-9499	950%
9500-9599	960%
9600-9699	970%
9700-9799	980%
9800-9899	990%
9900-9999	1000%

* TREES WITHIN THE NATURAL PRESERVATION AREAS WILL PROVIDE REPLACEMENT FOR THE DEFICIT IN SPECIMEN TREE REQUIREMENT.



ORMOND BEACH
300 INTERCHANGE BLVD., SUITE C
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

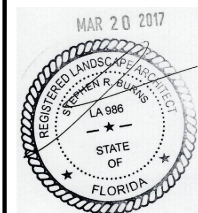
EDGEWATER
EDGEWATER, FL 32132
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS	BY
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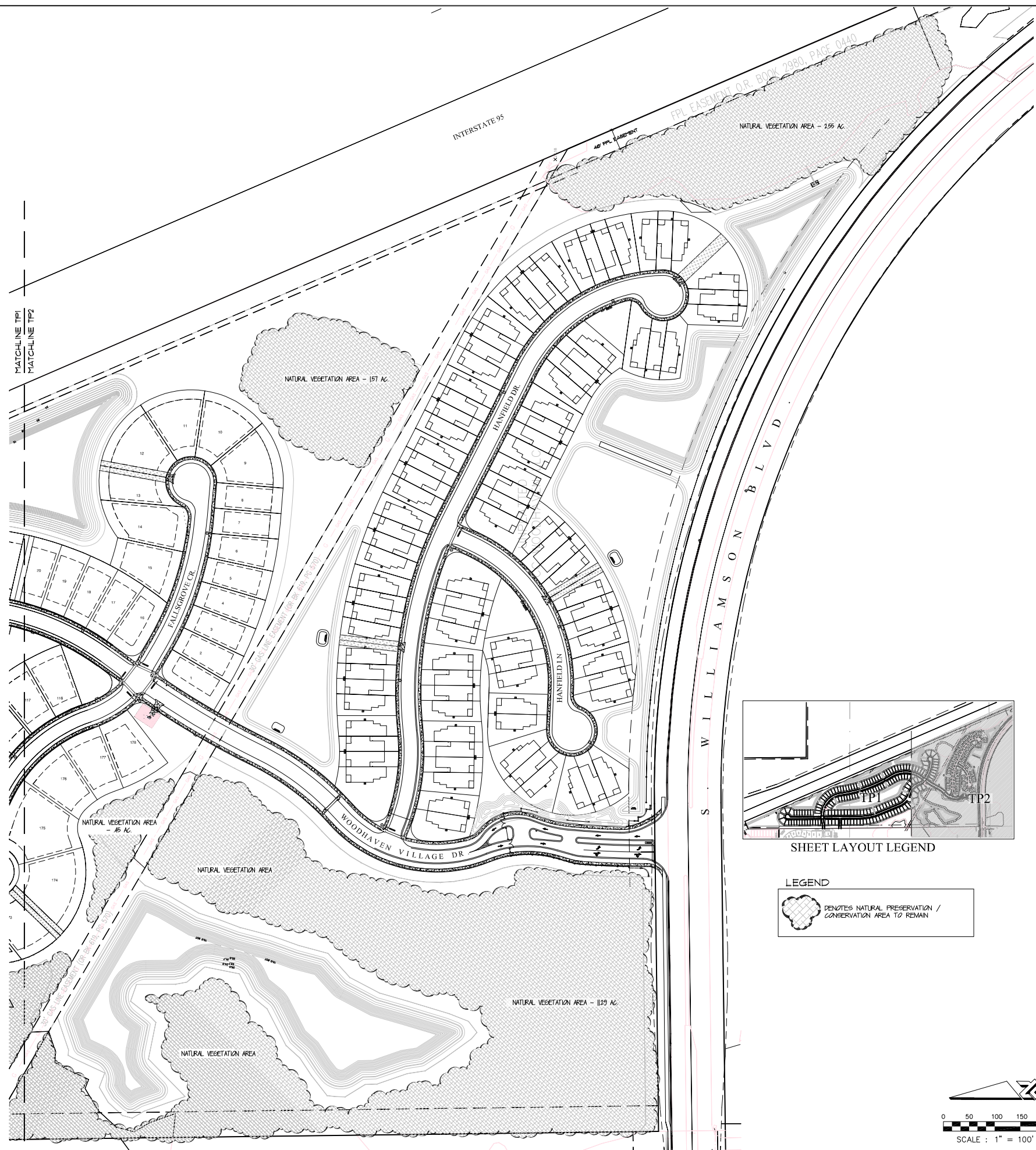
WOODHAVEN
PHASE 1
TREE PROTECTION PLAN & DETAILS

CITY OF PORT ORANGE
VOLusia COUNTY, FLORIDA

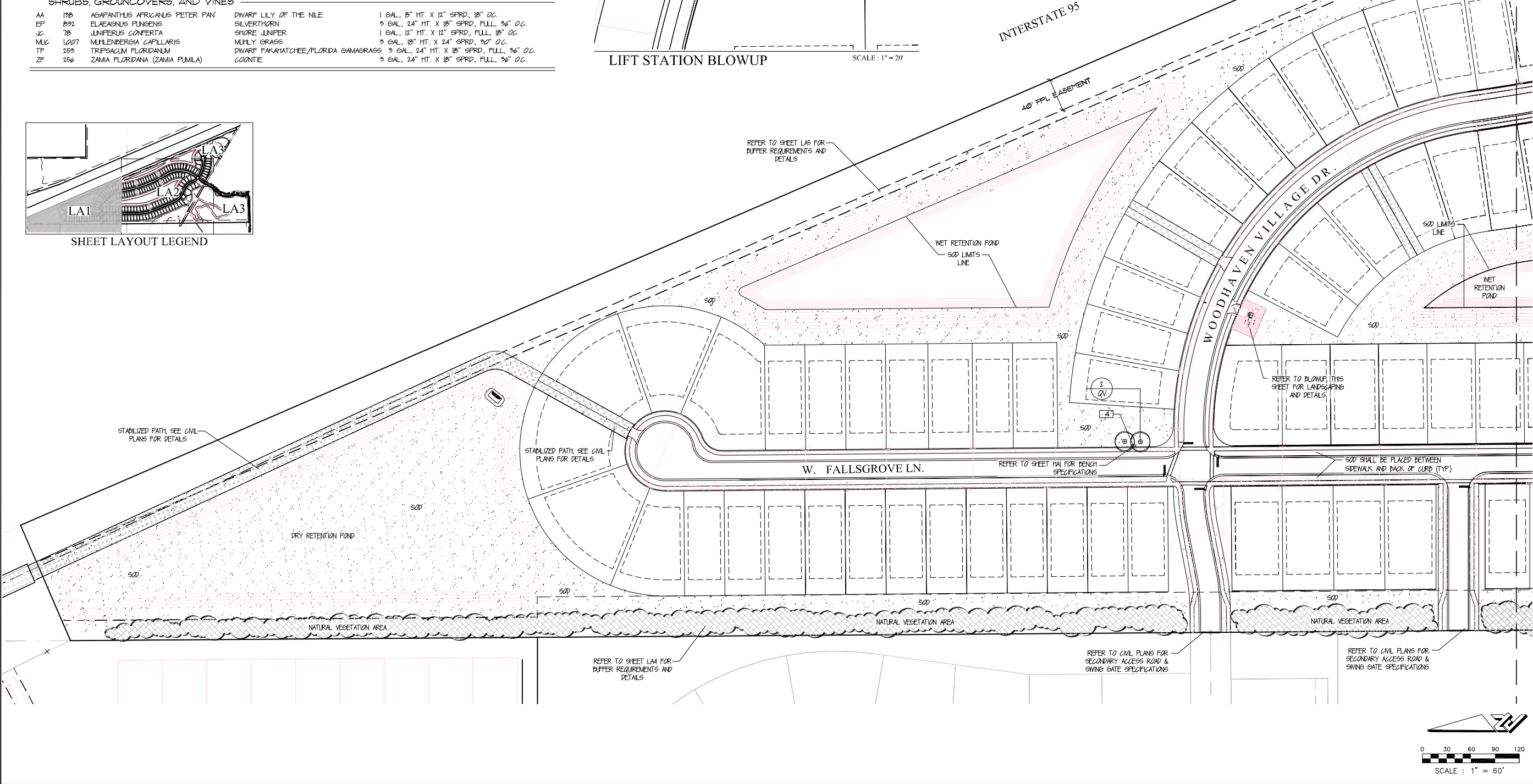
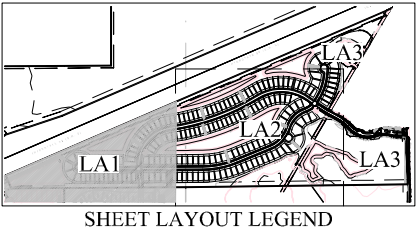
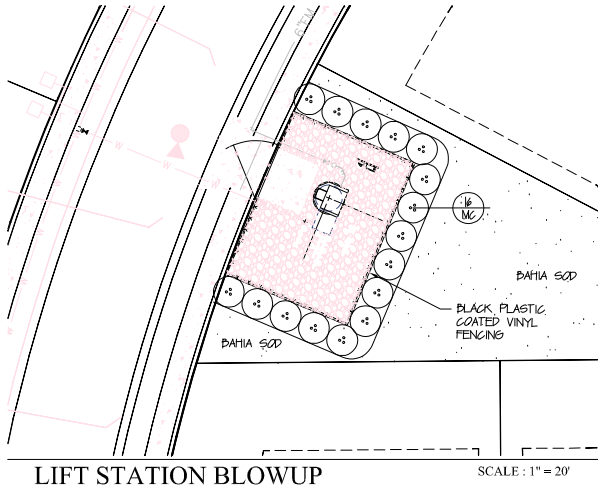
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ISSUE DATE: 2-1-17
DESIGNED BY: SMG
DRAFTED BY: SMG
CHECKED BY: SRB
DRAWING FILE: 16011TP
XREFS: 16011 BAS
XREFS:



NOT VALID WITHOUT SEAL
STEPHEN R. BURNS, R.L.A. NO. 986
SCALE: 1" = 100'
SHEET: TP1 OF 2



SINGLE FAMILY - PLANT SCHEDULE			
SYMP.	QUN.	SCIENTIFIC NAME	COMMON NAME
PALMS			
SP	22	SABAL PALMETTO	CABBAGE PALM
TREES			
AR	85	ACER RUBRUM	RED MAPLE
BN	55	BETULA NIGRA	RIVER BIRCH
IAE	25	ILEX X ATTENUATA 'EAST PALATKA'	EAST PALATKA HOLLY
IAES	25	ILEX X ATTENUATA 'EASLESTON'	EASLESTON HOLLY
LI	94	LAGERSTROEMIA INDICA 'CHOCOTAY'	PINK GRAPE MYRTLE
LIZ	10	LAGERSTROEMIA INDICA 'NATCHEZ'	WHITE GRAPE MYRTLE
LJ	83	LIGUSTRUM JAPONICUM TREE FORM	LIGUSTRUM TREE
MC	32	MYRICA CERIFERA	WAX MYRTLE
MG	12	MAGNOLIA GRANDIFLORA 'DD BLANCHARD'	DD BLANCHARD MAGNOLIA
PE	51	PINUS ELLIOTTII	SLASH PINE
QV	13	QUERCUS VIRGINIANA	LIVE OAK
SD	26	SALIX BABYLONICA	WEeping WILLOW
TD	30	TAXODIUM DISTICHUM	DAID CYPRESS
SHRUBS, GROUNDCOVERS, AND VINES			
AA	138	AGAPANTHUS AFRICANUS PETER PAN	DWARF LILY OF THE NILE
EP	892	ELAEAGNUS PUNGENS	SILVERTHORN
JC	78	JUNIPERUS CONFERTA	SHORE JUNIPER
MUC	1207	MULLENBERGIA CAPILLARIS	MULLY GRASS
TF	253	TRIPSACUM FLORIDANUM	DWARF FAKAHATCHEE/FLORIDA GAMAGRASS
ZF	256	ZAMIA FLORIDANA (ZAMIA PUMILA)	COONTIE
		SIZE & SPACING	
		VARY CLEAR TRUNK HEIGHTS 8'-16'	
		65 GAL., 3 1/2" CAL., 10' HT.	
		30 GAL., 2 1/2" CAL., 10' HT., TRIPLE TRUNK	
		15 GAL., 1 1/2" CAL., 8' HT.	
		15 GAL., 1 1/2" CAL., 8' HT.	
		15 GAL., 1 1/2" CAL., 8' HT., MULTI-TRUNK	
		15 GAL., 1 1/2" CAL., 8' HT.	
		8' x 8', MT., 4' CT., PRUNED	
		45 GAL., 8' HT. X 6' SPRD., 2 1/2" CAL., 4' CT.	
		30 GAL., 2 1/2" CAL., 10' HT.	
		30 GAL., 2 1/2" CAL., 10' HT.	
		30 GAL., 2 1/2" CAL., 10' HT.	
		45 GAL., 2 1/2" CAL., 1 1/2" 10' HT.	
		30 GAL., 2 1/2" CAL., 10' HT.	
		1 GAL., 8" HT. X 12" SPRD., 18" OC.	
		3 GAL., 24" HT. X 18" SPRD., FULL, 36" OC.	
		1 GAL., 12" HT. X 12" SPRD., FULL, 18" OC.	
		3 GAL., 18" HT. X 24" SPRD., 30" OC.	
		3 GAL., 24" HT. X 18" SPRD., FULL, 36" OC.	
		3 GAL., 24" HT. X 18" SPRD., FULL, 36" OC.	



ORMOND BEACH
 300 INTERCHANGE BLVD., STE. C
 ORMOND BEACH, FL 32174
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 EDgewater
 EDgewater, FL 32132
 (386) 677-2482 FAX (386) 677-2505

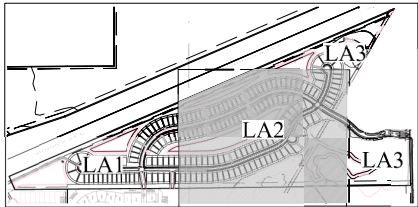
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2.	3-2-17	REVISED PER STAFF COMMENTS DATED 2-16-17

WOODHAVEN
 PHASE 1
 LANDSCAPE PLAN & DETAILS
 VOLusia COUNTY, FLORIDA
 CITY OF PORT ORANGE

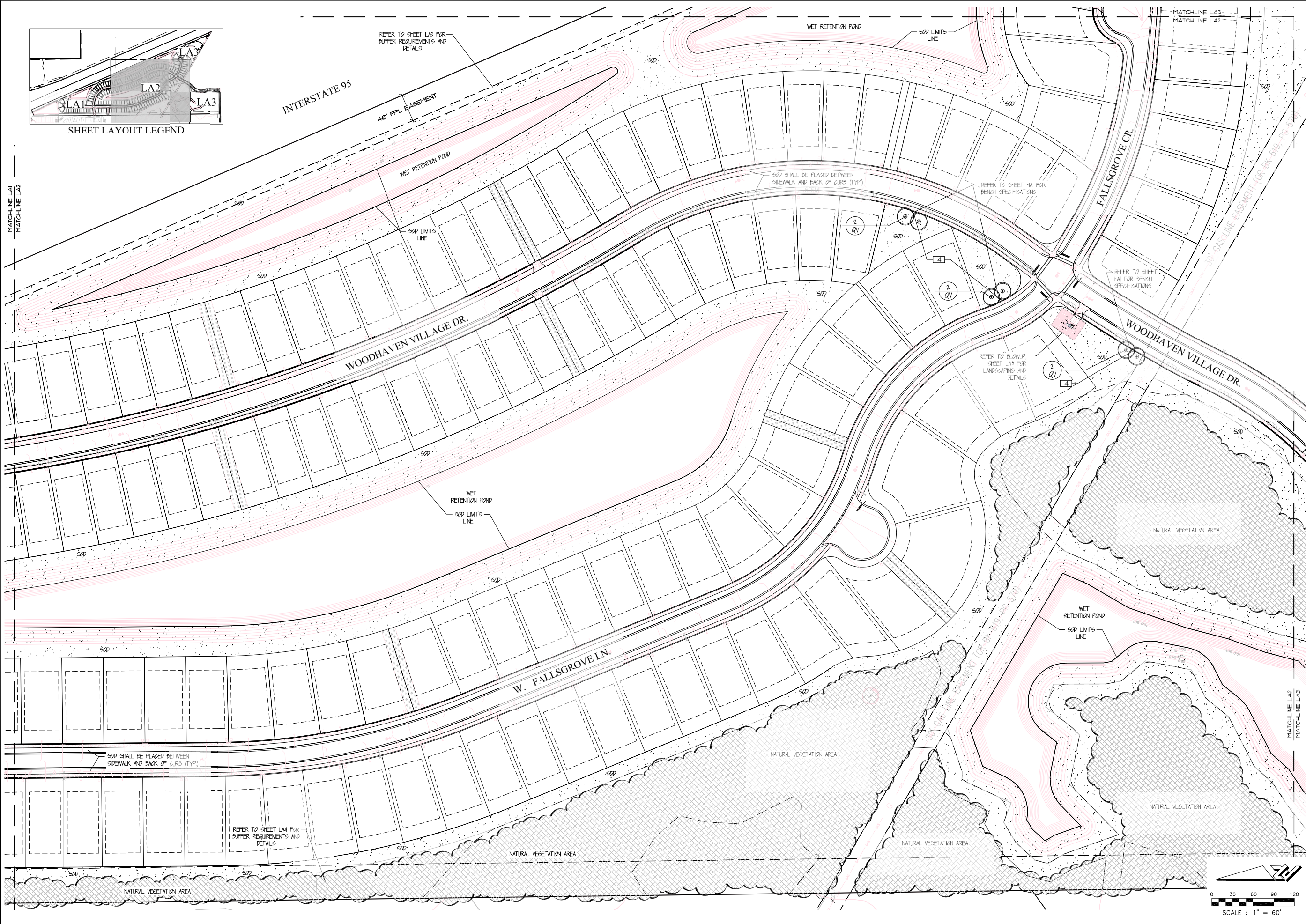
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 ISSUE DATE: 2-1-17
 DESIGNED BY: SMG
 DRAFTED BY: SMG
 CHECKED BY: SRB
 DRAWING FILE: 16011LA
 XREFS: 16011 BAS
 XREFS:



NOT VALID WITHOUT SEAL
 STEPHEN R. BURNS, R.L.A. NO. 986
 SCALE: 1" = 60'
 SHEET: LA1 OF 10



SHEET LAYOUT LEGEND



ORMOND BEACH
300 INTERCHANGE BLVD., SUITE C
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EDGEWATER
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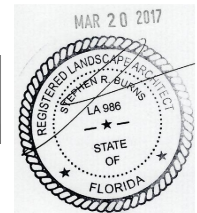
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WOODHAVEN
PHASE 1
LANDSCAPE PLAN & DETAILS

VOLUSIA COUNTY, FLORIDA

CITY OF PORT ORANGE

PROJECT NO: 16011
ISSUE DATE: 2-1-17
DESIGNED BY: SMG
DRAFTED BY: SMG
CHECKED BY: SRB
DRAWING FILE: 16011LA
XREFS: 16011 BAS
XREFS:



NOT VALID WITHOUT SEAL
STEPHEN R. BURNS, R.L.A. NO. 986
SCALE: 1" = 60'
SHEET: LA2 OF 10

[illegible]

WOODHAVEN
PHASE 1
LANDSCAPE PLAN & DETAILS

CITY OF PORT ORANGE
VOLUSIA COUNTY, FLORIDA

PROJECT NO: 16011

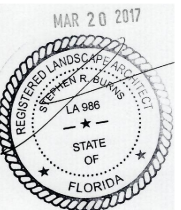
ISSUE DATE: 2-1-17

DESIGNED BY: SMG

DRAFTED BY: SMG

CHECKED BY: SRB

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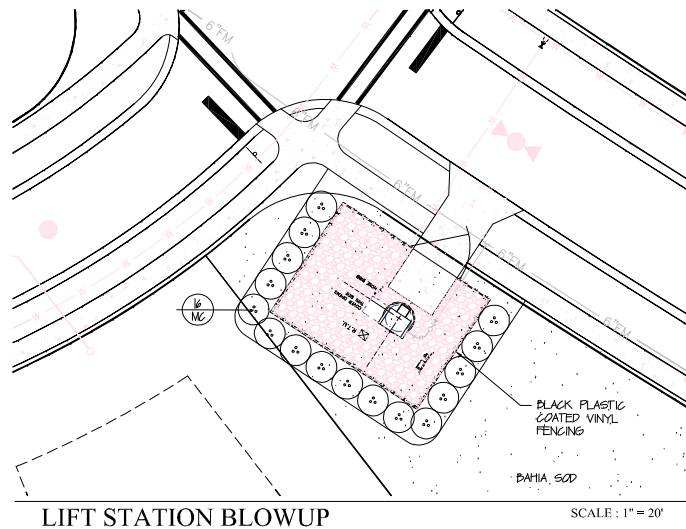


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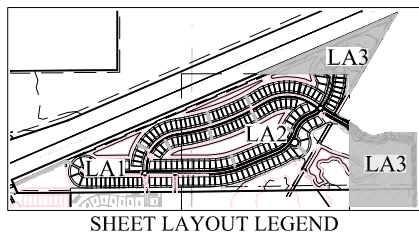
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SHEET: LA3 OF 10

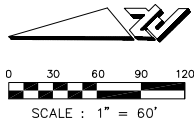
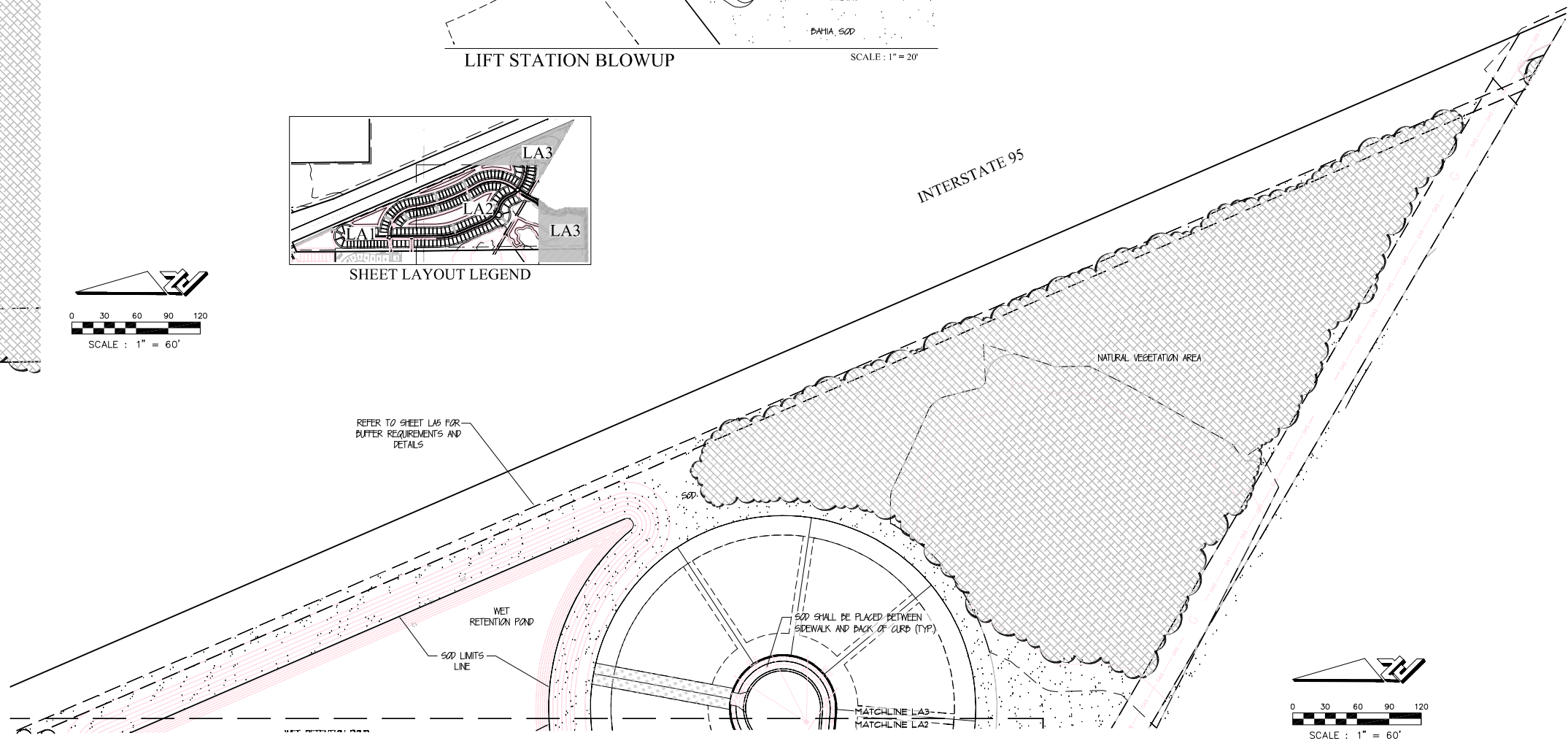
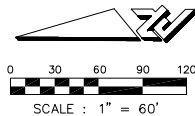


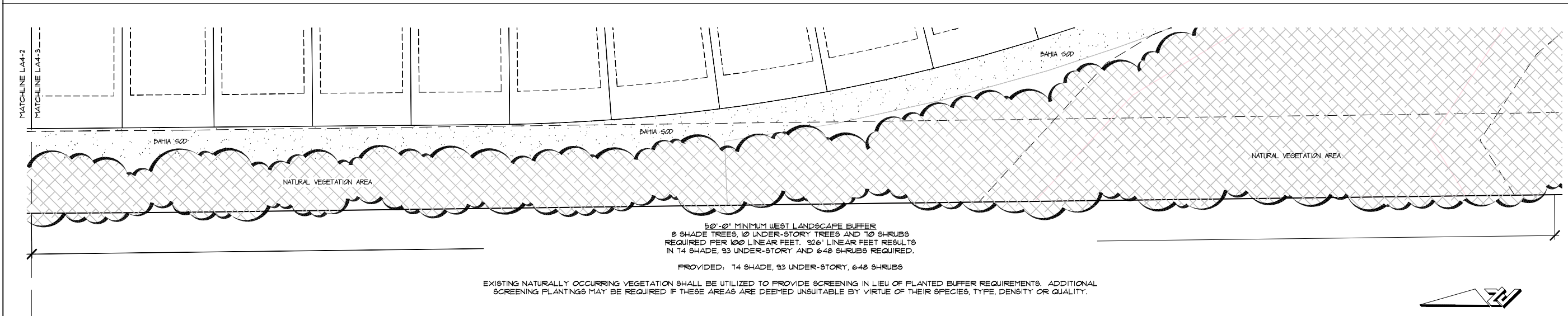
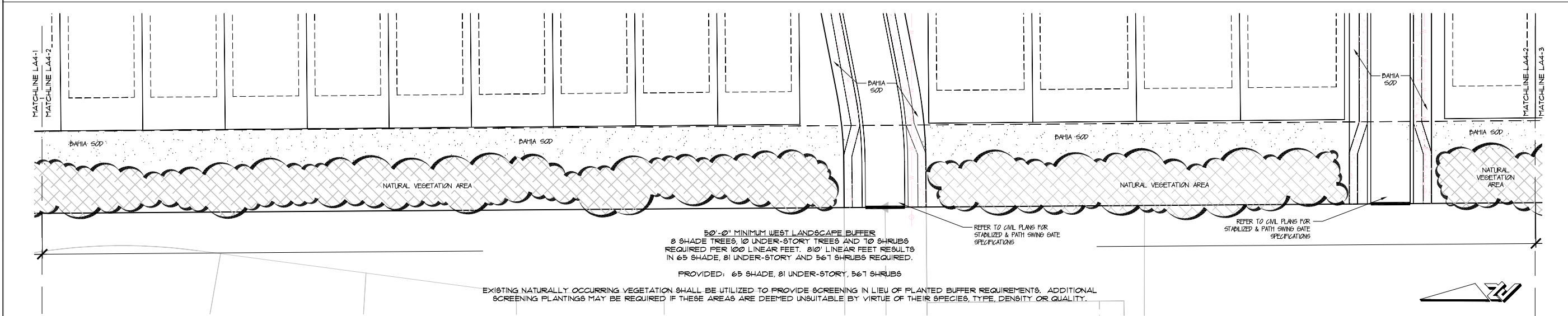
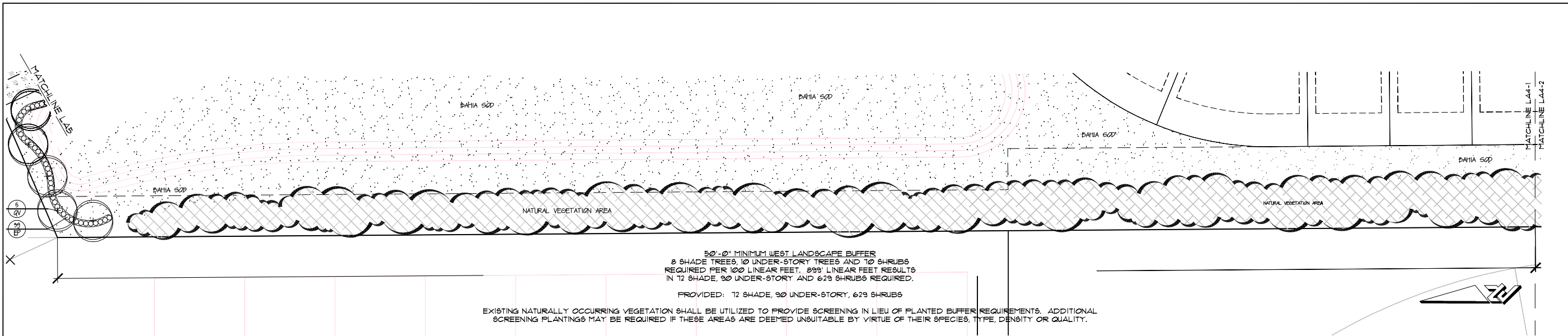
LIFT STATION BLOWUP

SCALE : 1" = 20'



SHEET LAYOUT LEGEND



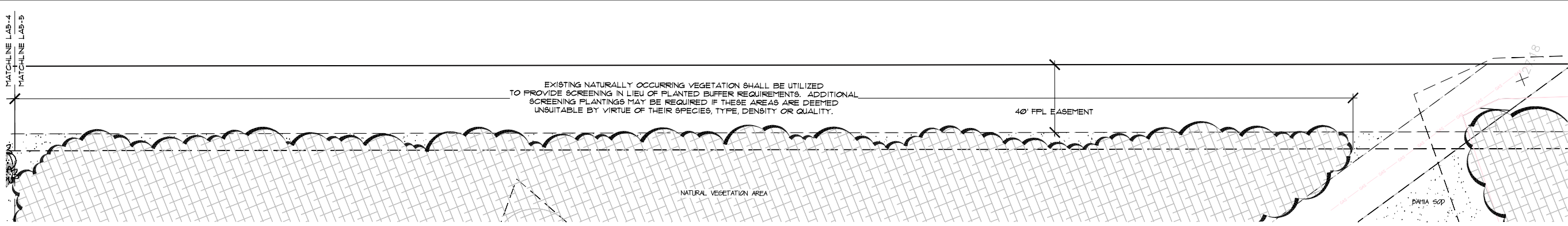
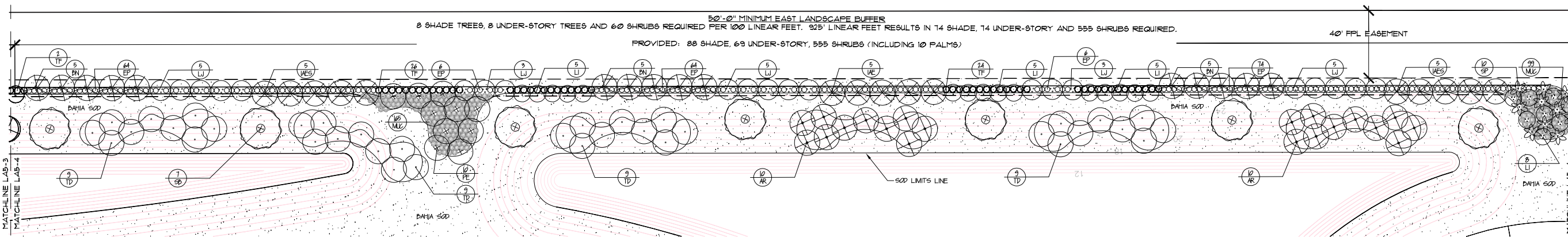
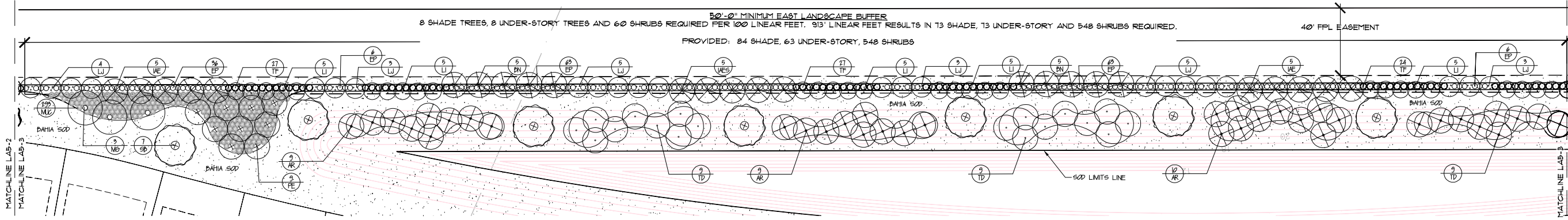
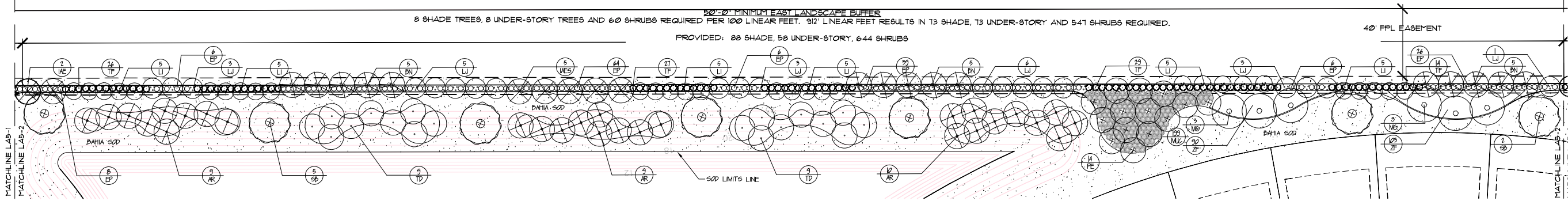
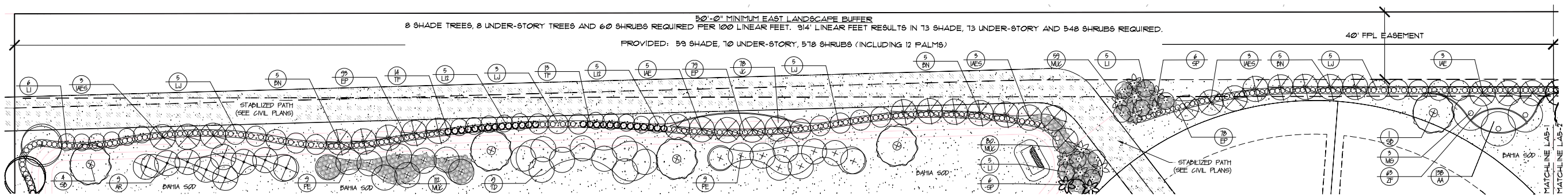


NO.	DATE	REVISIONS
1.	2-1-17	REVISED PER STAFF COMMENTS DATED 2-2-17
2.	3-2-17	REVISED PER STAFF COMMENTS DATED 2-16-17

WOODHAVEN
PHASE 1
LANDSCAPE PLAN & DETAILS
VOLusia COUNTY, FLORIDA
CITY OF PORT ORANGE

PROJECT NO: 16011
ISSUE DATE: 2-1-17
DESIGNED BY: SMG
DRAFTED BY: SMG
CHECKED BY: SRB
DRAWING FILE: 16011LA XREFS: 16011 BAS XREFS:





WOODHAVEN
PHASE 1
LANDSCAPE PLAN & DETAILS

ORMOND BEACH
300 INTERCHANGE BLVD., STE. C
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EDGEWATER
EDGEWATER, FL 32132
(386) 677-2482 FAX (386) 677-2505

NO.	DATE	REVISIONS
1.	2-1-17	REVISED PER STAFF COMMENTS DATED 2-2-17
2.	3-2-17	REVISED PER STAFF COMMENTS DATED 2-16-17
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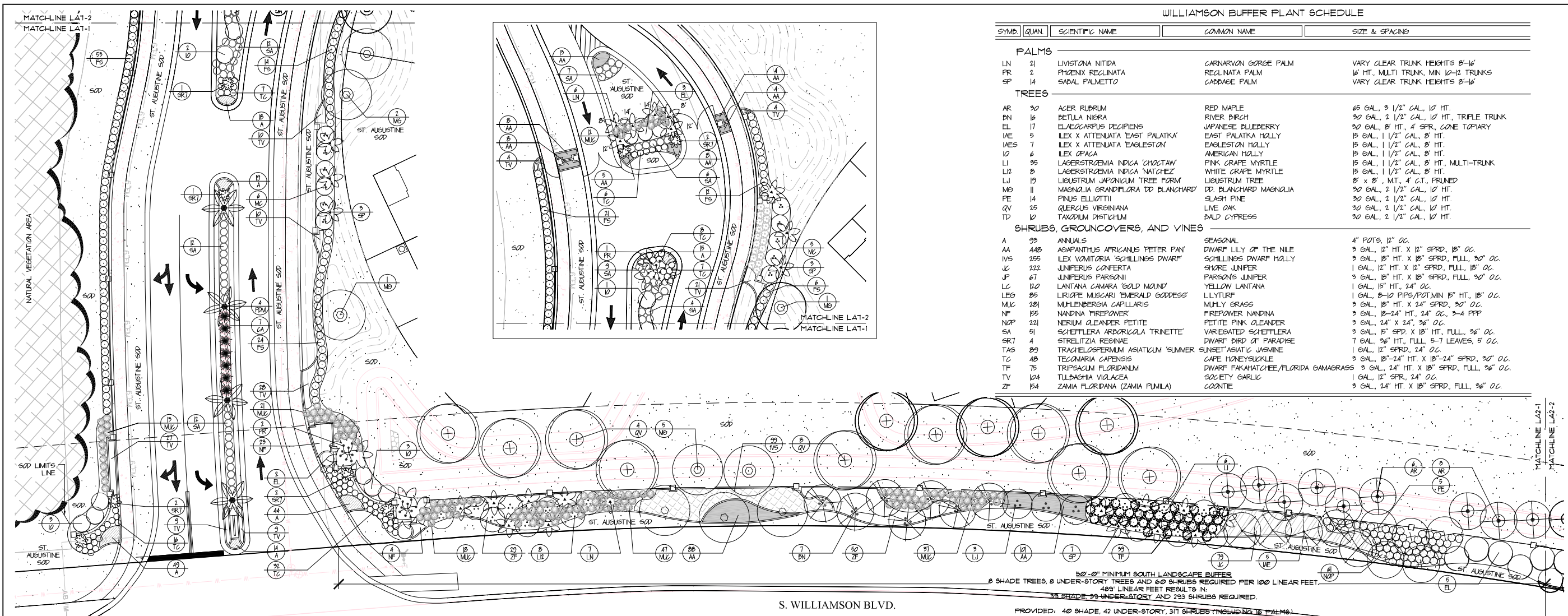
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XREFS:

NOT VALID WITHOUT SEAL

STEPHEN R. BURNS, R.L.A. NO. 986

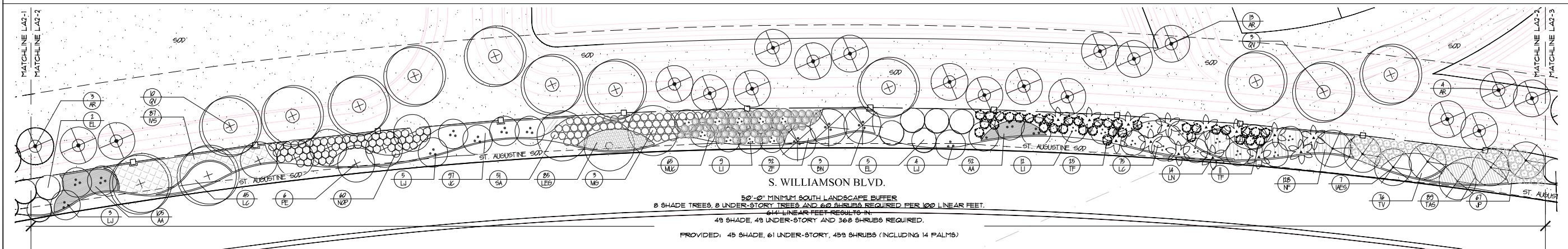
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SHEET: LA5 OF 10



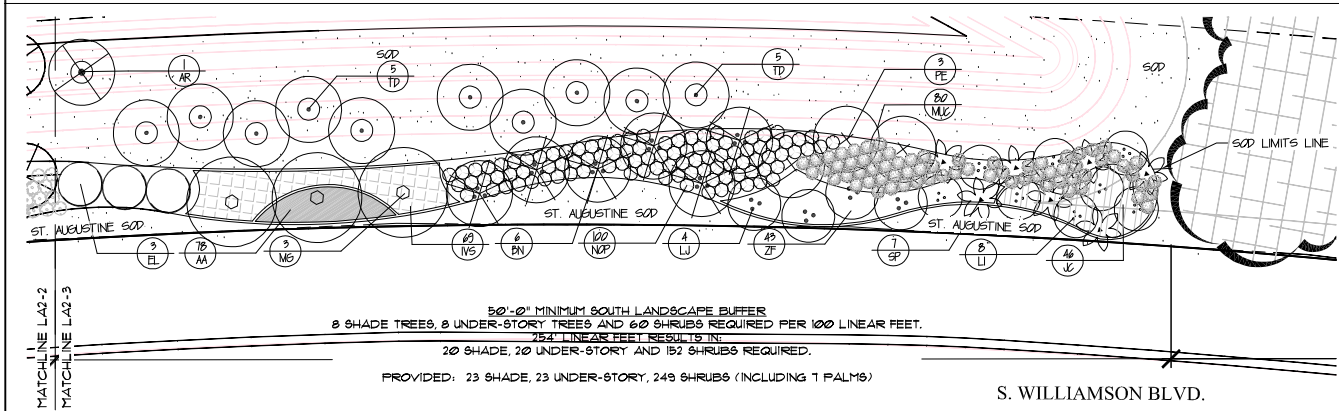
WILLIAMSON BUFFER PLANT SCHEDULE

SYMB	QUAN	SCIENTIFIC NAME	COMMON NAME	SIZE & SPACING
PALMS				
LN	21	LIVISTONA NITIDA	CARNARVON GORGE PALM	VARY CLEAR TRUNK HEIGHTS 8'-16'
PR	2	PHOENIX RECLINATA	RECLINATA PALM	16' HT. MULTI TRUNK, MIN 10-12 TRUNKS
SP	14	SABAL PALMETTO	CABBAGE PALM	VARY CLEAR TRUNK HEIGHTS 8'-16'
TREES				
AR	30	ACER RUBRUM	RED MAPLE	65 GAL, 3 1/2" CAL, 10' HT.
BN	16	BETULA NIGRA	RIVER BIRCH	30 GAL, 2 1/2" CAL, 10' HT., TRIPLE TRUNK
EL	17	ELAEOCARPUS DECIPENS	JAPANESE BLUEBERRY	30 GAL, 8' HT., 4' SPR, CONE TOPIARY
IAE	5	ILEX X ATTENUATA 'EAST PALATKA'	EAST PALATKA HOLLY	15 GAL, 1 1/2" CAL, 8' HT.
IAES	7	ILEX X ATTENUATA 'EAGLESTON'	EAGLESTON HOLLY	15 GAL, 1 1/2" CAL, 8' HT.
IO	6	ILEX OPACA	AMERICAN HOLLY	15 GAL, 1 1/2" CAL, 8' HT.
LI	35	LAGERSTROEMIA INDICA 'CHOCOTAN'	PINK GRAPE MYRTLE	15 GAL, 1 1/2" CAL, 8' HT., MULTI-TRUNK
LI2	8	LAGERSTROEMIA INDICA 'NATCHEZ'	WHITE GRAPE MYRTLE	15 GAL, 1 1/2" CAL, 8' HT.
LJ	19	LIGUSTRUM JAPONICUM TREE FORM	LIGUSTRUM TREE	8' x 8' N.T., 4' CT, PRUNED
MG	11	MAGNOLIA GRANDIFLORA 'DD BLANCHARD'	DD BLANCHARD MAGNOLIA	30 GAL, 2 1/2" CAL, 10' HT.
PE	14	PINUS ELLIOTTII	SLASH PINE	30 GAL, 2 1/2" CAL, 10' HT.
QV	25	QUERCUS VIRGINIANA	LIVE OAK	30 GAL, 2 1/2" CAL, 10' HT.
TD	10	TAXODIUM DISTICHUM	BALD CYPRESS	30 GAL, 2 1/2" CAL, 10' HT.
SHRUBS, GROUNDCOVERS, AND VINES				
A	99	ANNUALS	SEASONAL	4" POTS, 12" OC.
AA	448	AGAPANTHUS AFRICANUS 'PETER PAN'	DWARF LILY OF THE NILE	3 GAL, 12" HT. X 12" SPRD, 18" OC.
IVS	255	ILEX VOMITORIA 'SCHILLINGS DWARF'	SCHILLINGS DWARF HOLLY	3 GAL, 18" HT. X 18" SPRD, FULL, 30" OC.
JC	222	JUNIPERUS CONFERTA	SHORE JUNIPER	1 GAL, 12" HT. X 12" SPRD, FULL, 18" OC.
JP	67	JUNIPERUS PARSONII	PARSONS JUNIPER	3 GAL, 18" HT. X 18" SPRD, FULL, 30" OC.
LC	120	LANTANA CAMARA 'GOLD MOUND'	YELLOW LANTANA	1 GAL, 15" HT, 24" OC.
LEG	85	LIRIOPE MUSCARI 'EMERALD GODDESS'	LILYTURF	1 GAL, 8-10 PIPS/POT MIN 15" HT., 18" OC.
MLC	281	MULLENBERGIA CAPILLARIS	MULLY GRASS	3 GAL, 18" HT. X 24" SPRD, 30" OC.
NF	155	NANDINA FIREPOWER	FIREPOWER NANDINA	3 GAL, 18-24" HT., 24" OC., 3-4 PPP
NP	221	NERUM OLEANDER PETITE	PETITE PINK OLEANDER	3 GAL, 24" X 24", 36" OC.
SA	221	SCHETFLERA ARBOREOLA 'TRINETTE'	VARIATED SCHEFFLERA	3 GAL, 25" SPD X 18" HT., FULL, 36" OC.
SRT	4	STRELITZIA REGINAE	DWARF BIRD OF PARADISE	7 GAL, 36" HT., FULL, 5-7 LEAVES, 5 OC.
TAS	89	TRACHELOPERNUM ASIATICUM 'SUMMER SUNSET'	SUNSET ASIATIC JASMINE	1 GAL, 12" SPRD, 24" OC.
TC	48	TEGONARIA CAPENSIS	CAPE HONEYSUCKLE	3 GAL, 18"-24" HT. X 18"-24" SPRD, 30" OC.
TF	75	TRIPSACUM FLORIDANUM	DWARF FAKAHATCHEE/FLORIDA GANAGRASS	3 GAL, 24" HT. X 18" SPRD, FULL, 36" OC.
TV	104	TULBAGHIA VIOLACEA	SOCIETY GARLIC	1 GAL, 12" SFR, 24" OC.
ZF	154	ZAMIA FLORIDANA (ZAMIA PUMILA)	COONTIE	3 GAL, 24" HT. X 18" SPRD, FULL, 36" OC.



MAIN ENTRY-MEDIAN PLANT SCHEDULE

SYMB	QUAN	SCIENTIFIC NAME	COMMON NAME	SIZE & SPACING
PALMS				
LN	6	LIVISTONA NITIDA	CARNARVON GORGE PALM	VARY CLEAR TRUNK HEIGHTS 8'-16'
PDM	4	PHOENIX DACTYLIFERA 'MEDJOL'	MEDJOL DATE PALM	12' CT., SPECIMEN
PR	1	PHOENIX RECLINATA	RECLINATA PALM	16' HT. MULTI TRUNK, MIN 10-12 TRUNKS
SP	6	SABAL PALMETTO	CABBAGE PALM	VARY CLEAR TRUNK HEIGHTS 8'-16'
TREES				
EL	3	ELAEOCARPUS DECIPENS	JAPANESE BLUEBERRY	30 GAL, 8' HT., 4' SPR, CONE TOPIARY
IO	3	ILEX OPACA	AMERICAN HOLLY	15 GAL, 1 1/2" CAL, 8' HT.
MC	11	MYRTICA CERIFERA	WAX MYRTLE	45 GAL, 8' HT. X 6' SPRD, 2 1/2" CAL, 4 CT.
MG	4	MAGNOLIA GRANDIFLORA 'DD BLANCHARD'	DD BLANCHARD MAGNOLIA	30 GAL, 2 1/2" CAL, 10' HT.
SHRUBS, GROUNDCOVERS, AND VINES				
A	66	ANNUALS	SEASONAL	4" POTS, 12" OC.
AA	27	AGAPANTHUS AFRICANUS 'PETER PAN'	DWARF LILY OF THE NILE	3 GAL, 12" HT. X 12" SPRD, 18" OC.
CA	7	CRINUM ASIATICUM	CRINUM LILY	3 GAL, 30"-36" OA, SPECIMEN
EG	114	EVOLVULUS GLOMERATUS 'BLUE MY MIND'	BLUE PAZE	1 GAL, 8" HT. X 8" SPRD, 18" OC.
FS	120	FEUILLA SELLOWIANA	PINEAPPLE GUAVA	7 GAL, 24" HT. X 18"-24" SPRD, 30" OC.
MLC	12	MULLENBERGIA CAPILLARIS	MULLY GRASS	3 GAL, 18" HT. X 24" SPRD, 30" OC.
SA	62	SCHETFLERA ARBOREOLA 'TRINETTE'	VARIATED SCHEFFLERA	3 GAL, 25" SPD X 18" HT., FULL, 36" OC.
SRT	4	STRELITZIA REGINAE	DWARF BIRD OF PARADISE	7 GAL, 36" HT., FULL, 5-7 LEAVES, 5 OC.
TC	28	TEGONARIA CAPENSIS	CAPE HONEYSUCKLE	3 GAL, 18"-24" HT. X 18"-24" SPRD, 30" OC.
TV	91	TULBAGHIA VIOLACEA	SOCIETY GARLIC	1 GAL, 12" SFR, 24" OC.



ZEV COHEN & ASSOCIATES, INC.
CIVIL ENGINEERS • LANDSCAPE ARCHITECTS
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WOODHAVEN
PHASE 1
LANDSCAPE PLAN & DETAILS

FLORIDA
VOLUSIA COUNTY
CITY OF PORT ORANGE

PROJECT NO: 16011
ISSUE DATE: 2-1-17
DESIGNED BY: SMG
DRAFTED BY: SMG
CHECKED BY: SRB

DRAWING FILE: 16011A
XREFS: 16011 BAS
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MAR 20 2017
REGISTERED LANDSCAPE ARCHITECT
STEPHEN R. BURNS
LA 986
STATE OF FLORIDA

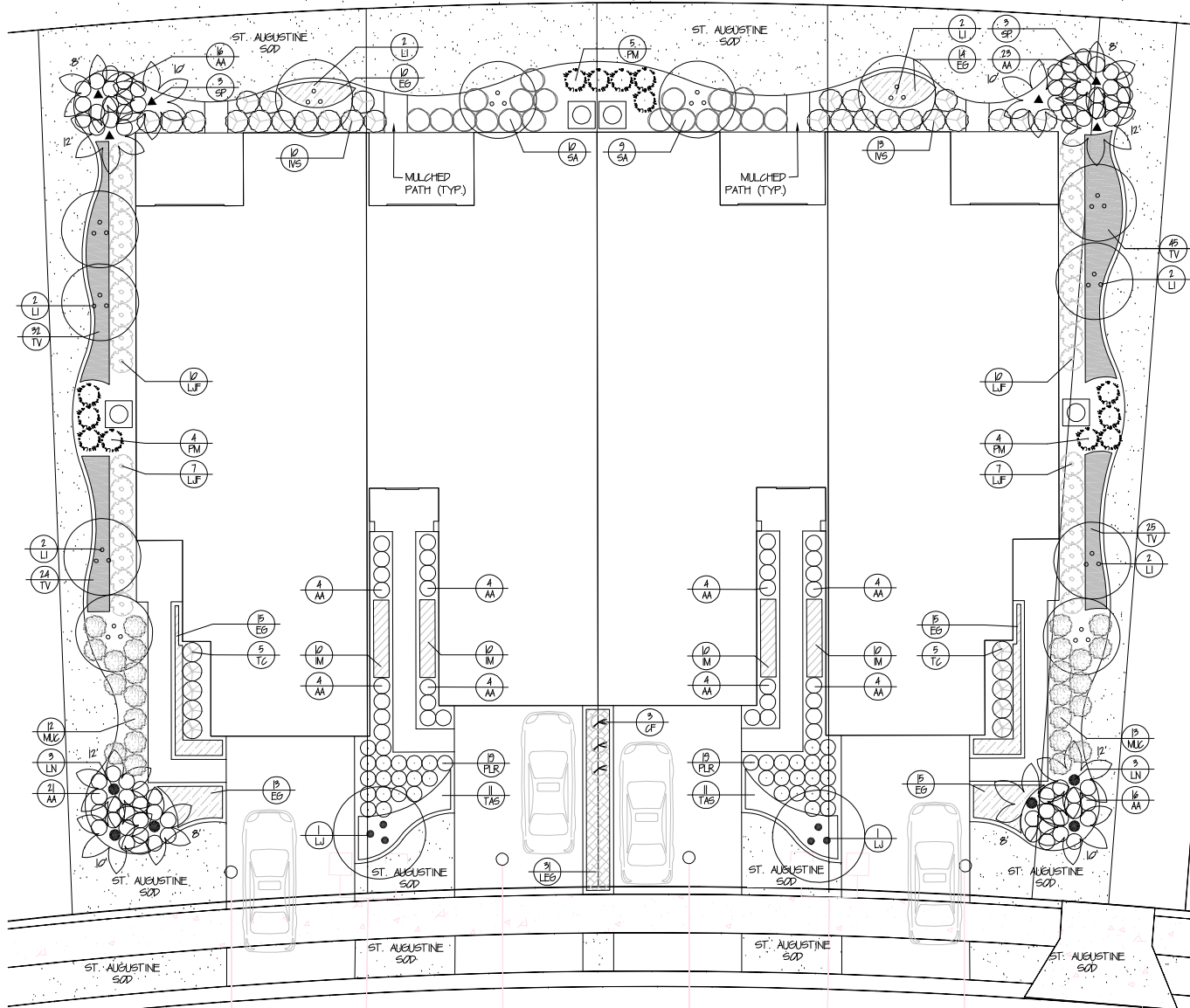
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STEPHEN R. BURNS, R.L.A. NO. 986
SCALE: 1" = 20'
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4 - UNIT PLANT SCHEDULE (x 17 BUILDINGS)

SYMB	QUN	SCIENTIFIC NAME	COMMON NAME	SIZE & SPACING
PALMS				
LN	102	LIVISTONA NITIDA	CARNARVON GORGE PALM	SEE PLAN FOR CLEAR TRUNK HT'S
SP	102	SADAL PALMETTO	CABBAGE PALM	SEE PLAN FOR C.T. HT'S, REMOVE BOOTS 6'
TREES				
LJ	204	LAGERSTROEMIA INDICA 'CHOCTAW'	PINK GRAPE MYRTLE	15 GAL., 1 1/2" CAL., 8' HT., MULTI-TRUNK
LJ	34	LIGUSTRUM JAPONICUM 'TREE FORM'	LIGUSTRUM TREE	8' x 8', M.T., 4' C.T., PRUNED
SHRUBS, GROUNDCOVERS, AND VINES				
AA	1896	AGAPANTHUS AFRICANUS 'PETER PAN'	DWARF LILY OF THE NILE	1 GAL., 8" HT. X 12" SPRD., 18" OC.
CF	51	CORDYLINE FRUTICOSA	TI PLANT	3 GAL., 24" HT. X 18-24" SPRD., 3 PPP
EG	1394	EVOLVULUS GLOMERATUS 'BLUE MY MIND'	BLUE DAZE	1 GAL., 8" HT. X 8" SPRD., 18" OC.
IM	680	IKORA NORA GRANT	DWARF IKORA	3 GAL., 18" HT. X 18" SPRD., FULL, 30" OC.
IVS	391	ILEX VOMITORIA 'SCHILLINGS DWARF'	SCHILLINGS DWARF HOLLY	3 GAL., 18" HT. X 18" SPRD., FULL, 30" OC.
LEG	527	LIRIOPE MUSCARI 'EMERALD GODDESS'	LILYTURF	1 GAL., 8-10 PIPS/POTMIN 15" HT., 18" OC.
LJF	578	LIGUSTRUM JAPONICA 'JACK FROST'	JACK FROST PRIVET	3 GAL., 24" HT. X 24" SPRD., 30" OC.
MUG	425	MULLENBERGIA CAPILLARIS	MULLY GRASS	3 GAL., 18" HT. X 24" SPRD., 30" OC.
PLR	646	PENTAS LANCEOLATA 'RUBY RED'	RED PENTAS	1 PINT, MIN 10" HT., 24" OC.
PM	221	PODOCARPUS MACROPHYLLA	YEW PODOCARPUS	3 GAL., 3" HT. X 18" SPRD., 2' OC.
SA	323	SCHETTLERA ARBORICOLA 'TRINETTE'	VAREGATED SCHEFFLERA	3 GAL., 15" SPD. X 18" HT., FULL, 36" OC.
TAS	374	TRACHELOSPERMUM ASIATICUM 'SUMMER SUNSET'	SUNSET ASIATIC JASMINE	1 GAL., 12" SPRD., 24" OC.
TC	170	TEUCARIA CAFENSIS	CAPE HONEYSUCKLE	3 GAL., 18"-24" HT. X 18"-24" SPRD., 30" OC.
TV	2,142	TULPAGHIA VIOLACEA	SOCIETY GARLIC	1 GAL., 12" SFR., 18" OC.

* QUANTITIES SHOWN ABOVE INDICATE FULL BUILDOUT, A TOTAL OF 17 BUILDING



4-UNIT TOWNHOME PROTOTYPE
(SEE THIS SHEET FOR PLANT LEGEND SPECIFIC TO PROTOTYPE)

4 - UNIT FOUNDATION PLANTINGS

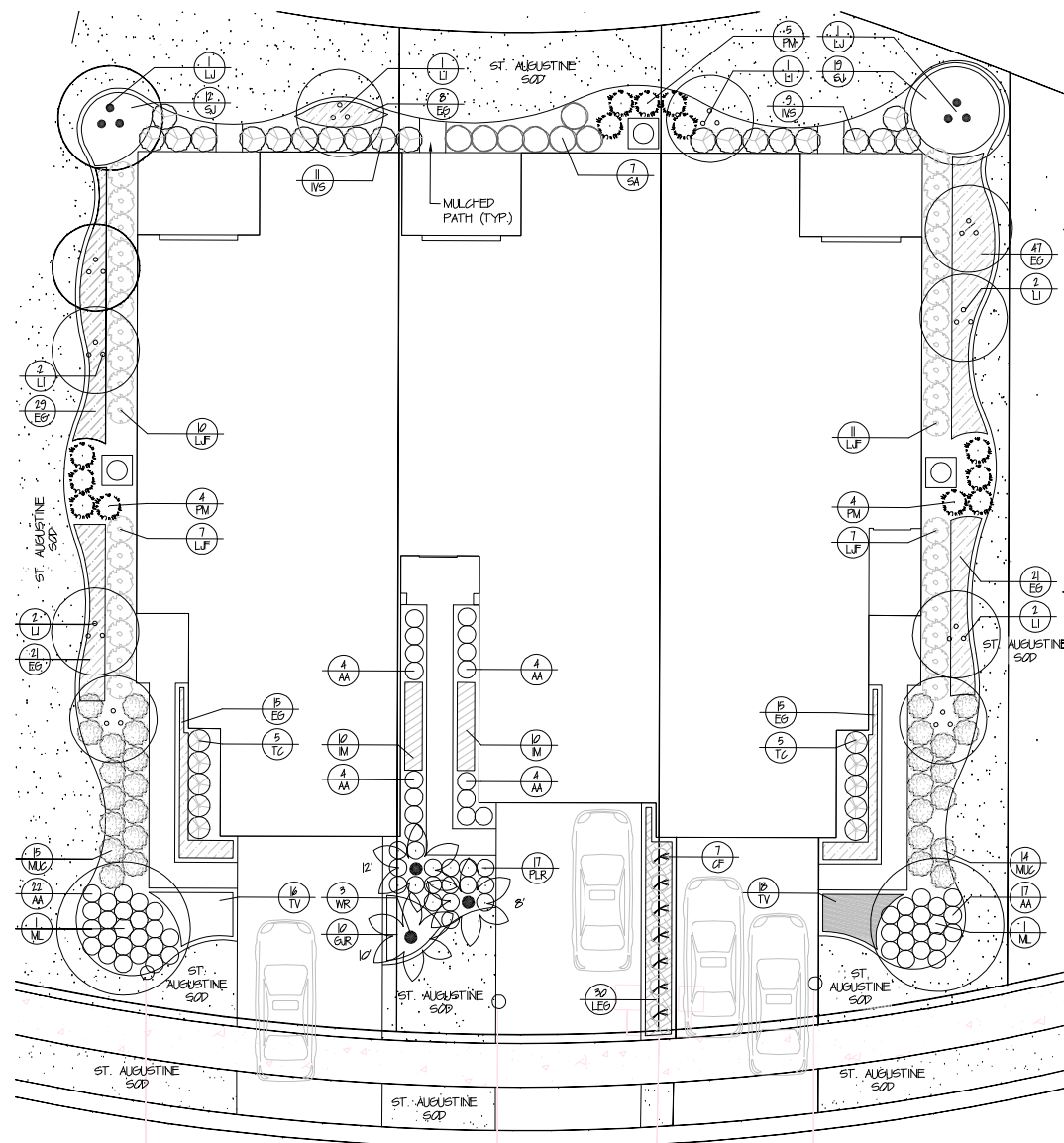
PLDG. PERIMETER = 556 LF	REQUIREMENT	REQUIRED	PROVIDED
PLANTS	1 PER 1 LF PLDG.	556	574
UNDERSTORY TREE	1 PER 30 LF PLDG.	19	*20

* (2) PALMS ARE COUNTED AS (1) UNDERSTORY TREE

3 - UNIT PLANT SCHEDULE (x 7 BUILDINGS)

SYMB	QUN	SCIENTIFIC NAME	COMMON NAME	SIZE & SPACING
PALMS				
WR	21	WASHINGTONIA ROBUSTA	WASHINGTON PALM	SEE PLAN FOR C.T. HT'S, REMOVE BOOTS 6'
TREES				
LJ	70	LAGERSTROEMIA INDICA 'CHOCTAW'	PINK GRAPE MYRTLE	15 GAL., 1 1/2" CAL., 8' HT., MULTI-TRUNK
LJ	14	LIGUSTRUM JAPONICUM 'TREE FORM'	LIGUSTRUM TREE	8' x 8', M.T., 4' C.T., PRUNED
ML	14	MAGNOLIA GRANDIFLORA 'LITTLE GEM'	LITTLE GEM MAGNOLIA	30 GAL., 2 1/2" CAL., 10' HT.
SHRUBS, GROUNDCOVERS, AND VINES				
AA	385	AGAPANTHUS AFRICANUS 'PETER PAN'	DWARF LILY OF THE NILE	1 GAL., 8" HT. X 12" SPRD., 18" OC.
CF	49	CORDYLINE FRUTICOSA	TI PLANT	3 GAL., 24" HT. X 18-24" SPRD., 3 PPP
EG	1092	EVOLVULUS GLOMERATUS 'BLUE MY MIND'	BLUE DAZE	1 GAL., 8" HT. X 8" SPRD., 18" OC.
GUR	70	GARDENIA JASMINODES RADICANS	GARDENIA	3 GAL., 18" HT. X 18" SPRD., FULL, 30" OC.
IM	140	IKORA NORA GRANT	DWARF IKORA	3 GAL., 18" HT. X 18" SPRD., FULL, 30" OC.
IVS	140	ILEX VOMITORIA 'SCHILLINGS DWARF'	SCHILLINGS DWARF HOLLY	3 GAL., 18" HT. X 18" SPRD., FULL, 30" OC.
LEG	210	LIRIOPE MUSCARI 'EMERALD GODDESS'	LILYTURF	1 GAL., 8-10 PIPS/POTMIN 15" HT., 18" OC.
LJF	245	LIGUSTRUM JAPONICA 'JACK FROST'	JACK FROST PRIVET	3 GAL., 24" HT. X 24" SPRD., 30" OC.
MUG	109	MULLENBERGIA CAPILLARIS	MULLY GRASS	3 GAL., 18" HT. X 24" SPRD., 30" OC.
PLR	109	PENTAS LANCEOLATA 'RUBY RED'	RED PENTAS	1 PINT, MIN 10" HT., 24" OC.
PM	91	PODOCARPUS MACROPHYLLA	YEW PODOCARPUS	3 GAL., 3" HT. X 18" SPRD., 2' OC.
SA	49	SCHETTLERA ARBORICOLA 'TRINETTE'	VAREGATED SCHEFFLERA	3 GAL., 15" SPD. X 18" HT., FULL, 36" OC.
SJ	217	SPIRAEA JAPONICA 'GOLDMOUND'	GOLDMOUND SPIRAEA	3 GAL., 24" HT. X 24" SPRD., 24" OC.
TC	70	TEUCARIA CAFENSIS	CAPE HONEYSUCKLE	3 GAL., 18"-24" HT. X 18"-24" SPRD., 30" OC.
TV	329	TULPAGHIA VIOLACEA	SOCIETY GARLIC	1 GAL., 12" SFR., 18" OC.

* QUANTITIES SHOWN ABOVE INDICATE FULL BUILDOUT, A TOTAL OF 7 BUILDING



3-UNIT TOWNHOME PROTOTYPE
(SEE THIS SHEET FOR PLANT LEGEND SPECIFIC TO PROTOTYPE)

3 - UNIT FOUNDATION PLANTINGS

PLDG. PERIMETER = 421 LF	REQUIREMENT	REQUIRED	PROVIDED
PLANTS	1 PER 1 LF PLDG.	421	482
UNDERSTORY TREE	1 PER 30 LF PLDG.	14	*15

* (2) PALMS ARE COUNTED AS (1) UNDERSTORY TREE



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2.	3-2-17	REVISED PER STAFF COMMENTS, DATED 2-16-17

WOODHAVEN
PHASE 1
LANDSCAPE PLAN & DETAILS

VOLUSIA COUNTY, FLORIDA
CITY OF PORT ORANGE

PROJECT NO: 16011

ISSUE DATE: 2-1-17

DESIGNED BY: SMG

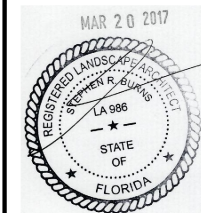
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STEPHEN R. BURNS, R.L.A. NO. 986

SCALE:

SHEET: LA8 OF 10

1. **FLORIDA #1:** ALL PLANT MATERIAL SHALL BE GRADE FLORIDA #1 OR BETTER IN QUALITY AS DESIGNATED IN THE MOST RECENT EDITION OF "SPECIFICATIONS AND STANDARDS FOR NURSERY PLANTS," PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
2. **EXISTING PLANTS:** IF EXISTING LANDSCAPING INTERFERES WITH PROPOSED PLANTINGS SHOWN ON PLAN, THE EXISTING LANDSCAPING SHALL BE REMOVED IN FAVOR OF THE NEW PLANTINGS, UNLESS OTHERWISE INDICATED. IF THE EXISTING VEGETATION IS INTENDED TO REMAIN, THE PROPOSED LANDSCAPING SHALL BE LOCATED AS CLOSE AS POSSIBLE TO ITS INTENDED LOCATION.
3. **MULCH:** ALL PLANTING BEDS SHALL BE TOP DRESSED WITH 3" FINE DARK MULCH, GRADE "B" OR BETTER. ALL TREES NOT IN BEDS SHALL HAVE A 5" DIAMETER MULCH RING. ALL PALMS NOT IN BEDS SHALL HAVE A 5" DIAMETER MULCH RING.
4. **SOD:** SOD SHALL BE ARGENTINE BAHIA UNLESS OTHERWISE SPECIFIED ON THE PLANS AS FLORATAM ST. AUGUSTINE. ALL SOD SHALL BE ROLLED. CONTRACTOR TO SOD ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION RELATED ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE SOD IS FREE OF WEEDS UPON INSTALLATION AND FOR THE DURATION OF 30 DAY MAINTENANCE PERIOD. SOD QUANTITY TAKEOFFS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
5. **QUANTITIES:** IN THE EVENT OF A VARIATION BETWEEN THE QUANTITIES SHOWN ON THE PLANT LIST AND THE ACTUAL QUANTITY OF PLANT SHOWN ON THE PLAN, THE PLAN SHALL CONTROL.
6. **UNFORESEEN CONFLICTS:** CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY PORTION OF THE LANDSCAPE PLAN AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNFORESEEN OBSTRUCTIONS, GRADE DIFFERENCES, STANDING WATER, CONDITIONS OR OTHER CONFLICTS EXIST. SUCH UNFORESEEN CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS REPRESENTATIVE AND THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. **SUBSTITUTIONS:** NO SUBSTITUTIONS OR VARIATIONS OF ANY PLANT MATERIAL OR ITS INSTALLED LOCATION WILL BE PERMITTED WITHOUT THE PRIOR WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT.
8. **CONTAINERS:** IF GALLIAGE FOR PLANTS OR TREES IS SHOWN THEY SHALL BE CONTAINER GROWN AND THE SIZE SHOWN SHALL REPRESENT THE MINIMUM ALLOWABLE GALLIAGE. IN ALL CASES THE PLANT SPECIFIED SIZE SHALL GOVERN OVER THE GALLIAGE INDICATED.
9. **PLANTING SOIL:** CONTRACTOR SHALL VERIFY THAT SOIL CONDITIONS ARE SUITABLE TO THE PLANT SPECIES SPECIFIED. IF SOIL CONDITIONS ARE DEEMED UNSUITABLE FOR PROPER PLANT HEALTH, CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT AND PROPER SUBSTITUTIONS SHALL BE SPECIFIED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. THE CONTRACTOR SHALL REMOVE LIVE ROOTS, CONCRETE AND OTHER OBSTACLES PRIOR TO PLANTING BEDS. IF BEDS ARE INTEGRATED IN SOIL, THE SOIL SHALL BE EXCAVATED AND REPLACED WITH ACCEPTABLE SOIL. ALL FILL TO BE PLACED IN LANDSCAPE AREA MUST HAVE A pH RANGE BETWEEN 5.8 AND 7.5, BE ORGANIC IN NATURE, AND BE FREE OF ROCKS AND DEBRIS.
10. **TOPSOIL:** TOPSOIL MATERIAL, IF REQUIRED, SHALL BE FREE FROM ALL HARD CLODS, WEEDS, STONES OVER 1" IN DIAMETER, CLAY, HARD PAN, NOXIOUS PLANTS, SOD, INSECTS, OR OTHER UNDESIRABLE PLANTS, SEEDS, OR MATERIAL WHICH MAY BE HARMFUL FOR GROWTH AND SHALL BE CERTIFIED AS STERILE.
11. **WEEDS:** IF PRESENT, THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ANY WEEDS FROM PLANTING AND SOD AREAS PRIOR TO THE INSTALLATION OF PROPOSED PLANT MATERIAL AND MULCH COVER. CONTRACTOR SHALL BE RESPONSIBLE TO KEEP BEDS AND SOD FREE OF WEEDS FOR THE DURATION OF THE 30 DAY MAINTENANCE PERIOD.
12. **GRADING:** UNLESS OTHERWISE STATED ON THESE PLANS, THE LANDSCAPE CONTRACTOR SHALL FINE GRADE ALL AREAS TO BE PLANTED AND SODDED IN ORDER TO ELIMINATE BUMPS AND DEPRESSIONS. FINE GRADING SHALL BE DEFINED AS THE FINAL 2" OF GRADE TO BE ACHIEVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND REGRADING WASHOUT AREAS CAUSED BY EROSION UNTIL FINAL ACCEPTANCE OF THE PROJECT.
13. **STAKING:** ALL TREES AND PALMS ARE TO BE STAKED ACCORDING TO THE DETAILS IN THESE PLANS. IF THE CONTRACTOR PREFERENCES USE OTHER STAKING METHODS THAN SHOWN IN THE DETAILS, HE OR SHE MUST SUBMIT PROPOSED STAKING DETAILS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. THE LANDSCAPE CONTRACTOR SHALL STRAIGHTEN, REPAIR, AND/OR REPLACE ANY PLANTS DAMAGED BY FAILURE TO PROPERLY STAKE OR GUY ANY TREES ON SITE, AT THEIR OWN EXPENSE.
14. **BED LINES:** CURVILINEAR LANDSCAPE BEDS ARE TO BE EDGED WITH SMOOTH FLOWING CURVES. STRAIGHT-LINE LANDSCAPE BEDS ARE TO BE EDGED IN A STRAIGHT LINE PARALLEL TO PARKING LOTS AND STRUCTURES UNLESS DESIGNED OTHERWISE.
15. **FERTILIZER:** OSMOCOTE SLOW RELEASE FERTILIZER OR EQUIVALENT SHALL BE APPLIED TO ALL TREE, SHRUB, AND GRASS/COVER PLANTING AREAS AT THE RATE OF THREE (3) TABLESPOONS PER 2 SF. OF PLANTING AREA.
16. **DRAINAGE:** THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT THIS WORK DOES NOT INTERRUPT EXISTING OR PROPOSED DRAINAGE PATTERNS AND SHALL NOTIFY THE OWNERS REPRESENTATIVE IMMEDIATELY SHALL A CONFLICT ARISE. CONTRACTOR IS RESPONSIBLE FOR ALL LANDSCAPE/SOD AREAS TO PROPERLY DRAIN AWAY FROM BUILDINGS/STRUCTURES.
17. **SPECIFICATIONS:** THE LANDSCAPE ARCHITECT SHALL BE PERMITTED THE RIGHT DURING INSTALLATION, TO REJECT ANY AND ALL PLANT MATERIAL AND WORKMANSHIP WHICH IN HIS OR HER OPINION DOES NOT MEET THE REQUIREMENTS OF THESE SPECIFICATIONS.
18. **NATURAL AREAS:** NATURAL VEGETATION PRESERVATION AREAS SHALL BE CLEANED UP INCLUDING BUT NOT LIMITED TO THE REMOVAL OF ANY DEBRIS OR WEEDS AND PRUNING OF DEAD OR YELLOW BRANCHES AND PALM FRONDS. MULCH EDGE OF NATURAL AREAS SHALL BE FINE.
19. **WILDLIFE NOTIFICATION:** LANDSCAPE ARCHITECT SHALL NOT BE HELD RESPONSIBLE FOR DAMAGES TO PROPOSED PLANT MATERIAL CAUSED BY DEER OR OTHER ANIMALS. THE PROPER PLANT SUBSTITUTIONS SHALL BE SPECIFIED BY THE LANDSCAPE ARCHITECT UPON WRITTEN NOTIFICATION OF NUISANCE ANIMAL EXISTENCE.
20. **TURNOVER:** CONTRACTOR SHALL CONTACT OWNERS REPRESENTATIVE FOR A TURNOVER DATE TO INCLUDE A WALK-THROUGH AND ACCEPTANCE OF WORK BY THE LANDSCAPE ARCHITECT. ANY WORK DEEMED UNACCEPTABLE SHALL BE CORRECTED IMMEDIATELY AND RE-INSPECTED AS SCHEDULED.
21. **MAINTENANCE:** CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE TO BEGIN AFTER EACH PLANT HAS BEEN INSTALLED AND SHALL CONTINUE 30 DAYS AFTER FINAL WRITTEN ACCEPTANCE BY THE OWNER. MAINTENANCE SHALL INCLUDE WATERING, PRUNING, WEEDING, MULCHING, MOVING, REPLACEMENT OF SICK OR DEAD PLANTS, AND ANY OTHER CARE NECESSARY IN ORDER TO MAINTAIN PROPER PLANT HEALTH AND SOIL MOISTURE CONTENT.
22. **GUARANTEE:** CONTRACTOR SHALL GUARANTEE ALL INSTALLED PLANT MATERIAL FOR ONE (1) CALENDAR YEAR STARTING FROM THE TURNOVER DATE FOR WORK FOUND ACCEPTABLE. ANY CORRECTED WORK SHALL HAVE A PROPORTIONAL EXTENSION OF WARRANTY ONCE APPROVED. ANY SICK OR DEAD PLANT MATERIAL SHALL BE REPLACED IMMEDIATELY. THE LANDSCAPE CONTRACTOR SHALL NOT BE RESPONSIBLE TO WARRANT ANY WARRANTY FOR THE LOSS OF ANY PLANT MATERIAL CAUSED BY FLOODING, FREEZING TEMPERATURES, WINDS OVER 50 MPH, LIGHTNING, ANY OTHER NATURAL DISASTER, OR ANY LOSS/DAMAGE CAUSED BY VANDALISM OR NEGLIGENCE ON THE PART OF THE OWNER.
23. **CALL BEFORE YOU DIG:** CONTRACTOR SHALL NOTIFY SUNCORP AND HAVE UTILITIES LOCATED PRIOR TO DIGGING, BY CALLING 811. CONTRACTOR SHALL NOT PLANT TREES WITHIN 9' OF AN UNDERGROUND UTILITY, EITHER AS LOCATED OR AS SHOWN ON PLAN, WITHOUT FIRST OBTAINING WRITTEN PERMISSION FROM OWNERS REPRESENTATIVE.

SYMB.	QUAN.	SCIENTIFIC NAME	COMMON NAME	SIZE & SPACING
PALMS				
LN	6	LIVISTONA NITIDA	CARNARVON GORSE PALM	SEE PLAN FOR CLEAR TRUNK HT.'S
TREES				
LI	4	LASERSTROEMIA INDICA 'CHOCTAW'	PINK GRAPE MYRTLE	15 GAL., 1 1/2" CAL., 8' HT., MULTI-TRUNK
ML	2	MAGNOLIA GRANDIFOLIA 'LITTLE GEM'	LITTLE GEM MAGNOLIA	90 GAL., 2 1/2" CAL., 10' HT.
SHRUBS, GROUNDCOVERS, AND VINES				
A	88	ANNUUS	SEASONAL	4" POTS, 12" OC.
AA	30	AGAPANTUS AFRICANUS 'PETER PAN'	DWARF LILY OF THE NILE	1 GAL., 8" HT. X 12" SPRD., 18" OC.
EG	44	EVOLVULUS ERICATUS 'BLUE MY MIND'	BLUE DAZE	1 GAL., 8" HT. X 8" SPRD., 18" OC.
GG	52	GALPIMIA GRACILIS	GOLDEN THYRALLIS	3 GAL., 24" HT. X 24" SPRD., FULL, 4' OC.
IVS	16	LEX VOMITORIA 'SCHILLINGS DWARF'	SCHILLINGS DWARF HOLLY	3 GAL., 18" HT. X 18" SPRD., FULL, 30" OC.
MUC	40	MULHBERGIA CAPILLARIS	MULY GRASS	1 GAL., 10" HT. X 10" SPRD., 30" OC.
PM	22	PODOCARPUS MACROPHYLLA	YEW PODOCARPUS	3 GAL., 9" HT. X 15" SPRD., 2' OC.
SA	24	SCHEFFLERA ARBOREOLICA 'TRINETTE'	VAREGATED SCHEFFLERA	3 GAL., 15" SPRD. X 18" HT., FULL, 36" OC.
TV	76	TALPAGHIA VIOACEA	SOCIETY EARLIC	1 GAL., 12" SPRD., 18" OC.
VOD	16	VIBURNUM OBOVATUM 'DENSEA'	DWARF WALTERS VIBURNUM	3 GAL., 24" HT. X 36" SPRD., 36" OC.
ZF	40	ZAMIA FLORIDANA (ZAMIA FUMIDA)	COONTIE	3 GAL., 24" HT. X 18" SPRD., FULL, 36" OC.

[illegible]

2 - UNIT FOUNDATION PLANTINGS			
BUDG. PERIMETER = 277 LF	REQUIREMENT	REQUIRED	PROVIDED
PLANTS	1 PER 1 LF BUDG.	277	236
UNDERSTORY TREE	1 PER 30 LF BUDG.	9	*9
* (2) PALMS ARE COUNTED AS (1) UNDERSTORY TREE			



ORMOND BEACH
300 INTERCHANGE BLVD., STE. C
ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1840 AIRPARK ROAD
EDGEWATER, FL 32132
(386) 677-2482 FAX (386) 677-2505

	NO.	DATE	REVISIONS	BY
	1.	2-1-17	REVISED PER STAFF COMMENTS, DATED 1-23-17	SNG
	2.	2-2-17	REVISED PER STAFF COMMENTS, DATED 2-16-17	SNG

WOODHAVEN
PHASE 1
LANDSCAPE PLAN & DETAILS

VOLUSIA COUNTY, FLORIDA

CITY OF PORT ORANGE

PROJECT NO: 16011

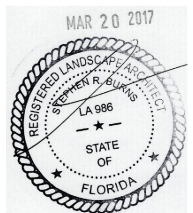
ISSUE DATE: 2-1-17

DESIGNED BY: SMG

DRAFTED BY: SMG

CHECKED BY: SRB

DRAWING FILE: 16011L
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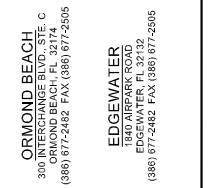
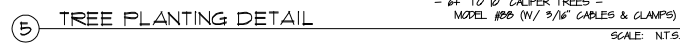


NOT VALID WITHOUT SEAL

STEPHEN R. BURNS, R.L.A NO. 986

SCALE: 1" = 20'

SHEET: LA9 OF 10



NO	DATE	REVISIONS	BY
1.	2-1-17	REVISED PER STAFF COMMENTS, DATED 1-25-17	SMG
2.	3-2-17	REVISED PER STAFF COMMENTS, DATED 2-16-17	SMG

WOODHAVEN
PHASE 1
LANDSCAPE PLAN & DETAILS

CITY OF PORT ORANGE
VOLUSIA COUNTY, FLORIDA

PROJECT NO: 16011
ISSUE DATE: 2-1-17
DESIGNED BY: SMG
DRAFTED BY: SMG
CHECKED BY: SRB
DRAWING FILE: 16011LA XREFS: 16011 BAS XREFS:



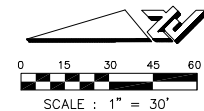
NOT VALID WITHOUT SEAL

STEPHEN R. BURNS, R.L.A NO. 986

SCALE: 1" = 20'

SHEET: LA10 OF 10

IRRIGATION DESIGN AND CONSULTATION SERVICES
Edgewater, Florida
Tel: (386) 424-0027
EMAIL: cid@atlantic.net



**ZEV COHEN
& ASSOCIATES, INC.**
 CIVIL ENGINEERS • LANDSCAPE ARCHITECTS
 (EIR 4516) LC 52
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 WWW.ZEVCOHEN.COM

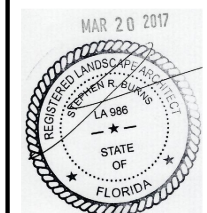
ORMOND BEACH
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ORMOND BEACH, FL 32174
(386) 677-2482 FAX (386) 677-2505

EDGEWATER
1640 AIRWAY ROAD
EDGEWATER, FL 33122
(386) 677-2482 FAX (386) 677-2505

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WOODHAVEN
PHASE 1
IRRIGATION PLAN & DETAILS

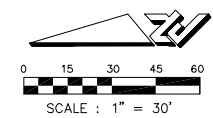
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DESIGNED BY: SMG
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CHECKED BY: SRB
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XREF'S:



STEPHEN R. BURNS, R.L.A. NO. 986

SCALE: 1" = 30'

SHEET: IR1 OF 8

[illegible]

ORMOND BEACH
300 INTERCHANGE BLVD., STE. C
ORMOND BEACH, FL 32114
(386) 677-2462 FAX (386) 677-2505

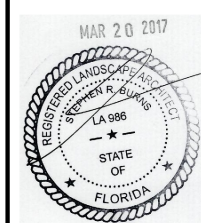
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1840 AIRPARK ROAD
EDGEWATER, FL 32132
(386) 677-2482 FAX (386) 677-2505



WOODHAVEN
PHASE 1
IRRIGATION PLAN & DETAILS

CITY OF PORT ORANGE
VOLUSIA COUNTY, FLORIDA

PROJECT NO: 16011
ISSUE DATE: 2-1-17
DESIGNED BY: SMG
DRAFTED BY: SMG
CHECKED BY: SRB
DRAWING FILE: 16011R
XREFS: 16011 BAS
XREFS:

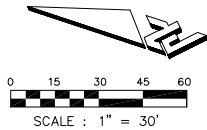
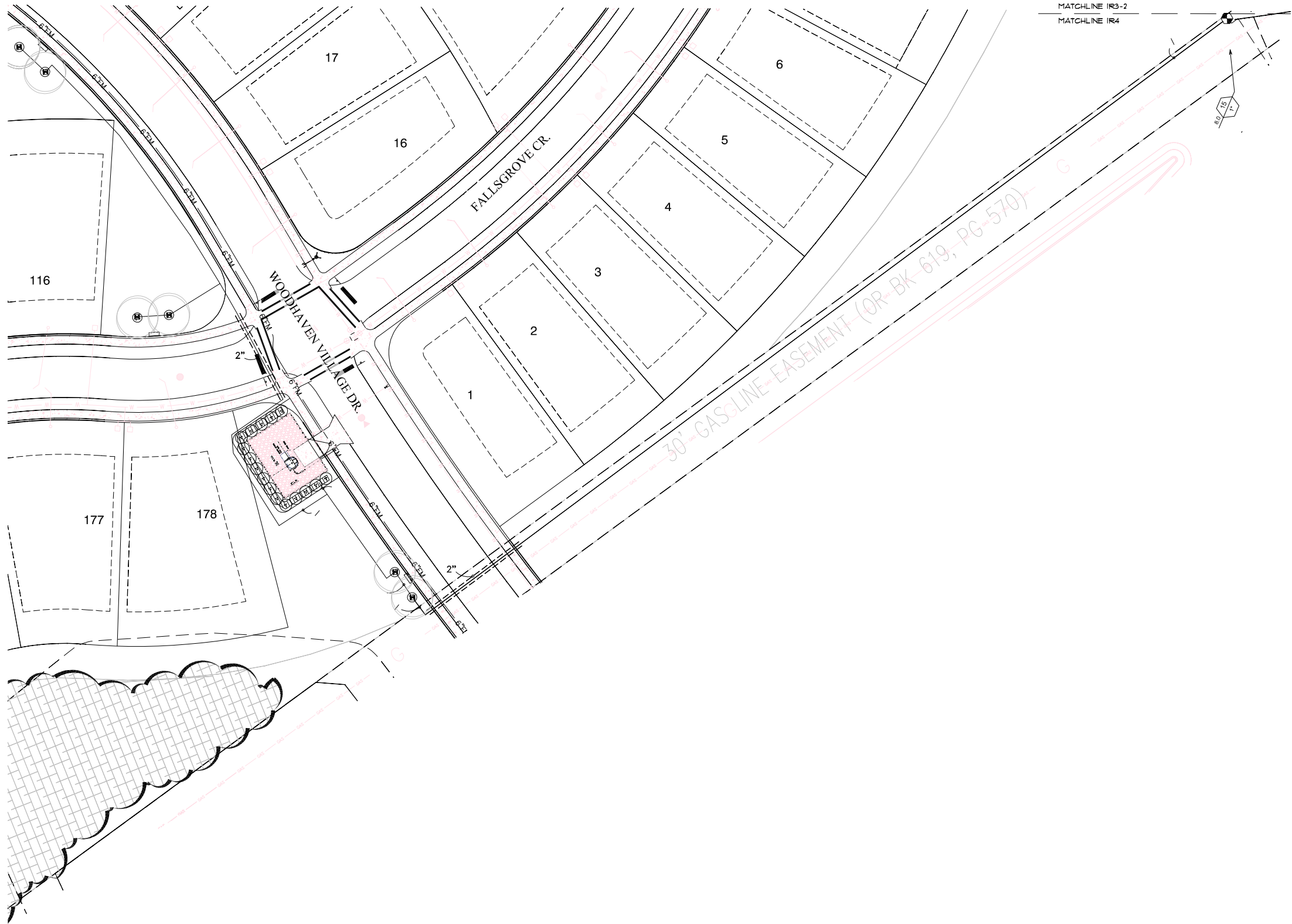


NOT VALID WITHOUT SEAL

STEPHEN R. BURNS, R.L.A. NO. 986

SCALE: 1" = 30'

SHEET: IR2 OF 8



WOODHAVEN
PHASE 1
IRRIGATION PLAN & DETAILS

CITY OF PORT ORANGE VOLusia COUNTY, FLORIDA

PROJECT NO: 16011

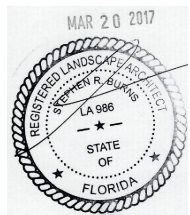
ISSUE DATE: 2-1-17

DESIGNED BY: SMG

DRAFTED BY: SMG

CHECKED BY: SRB

DRAWING FILE: 16011R
XREFS: 16011 BAS
XREFS:



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STEPHEN R. BURNS, R.L.A. NO. 986

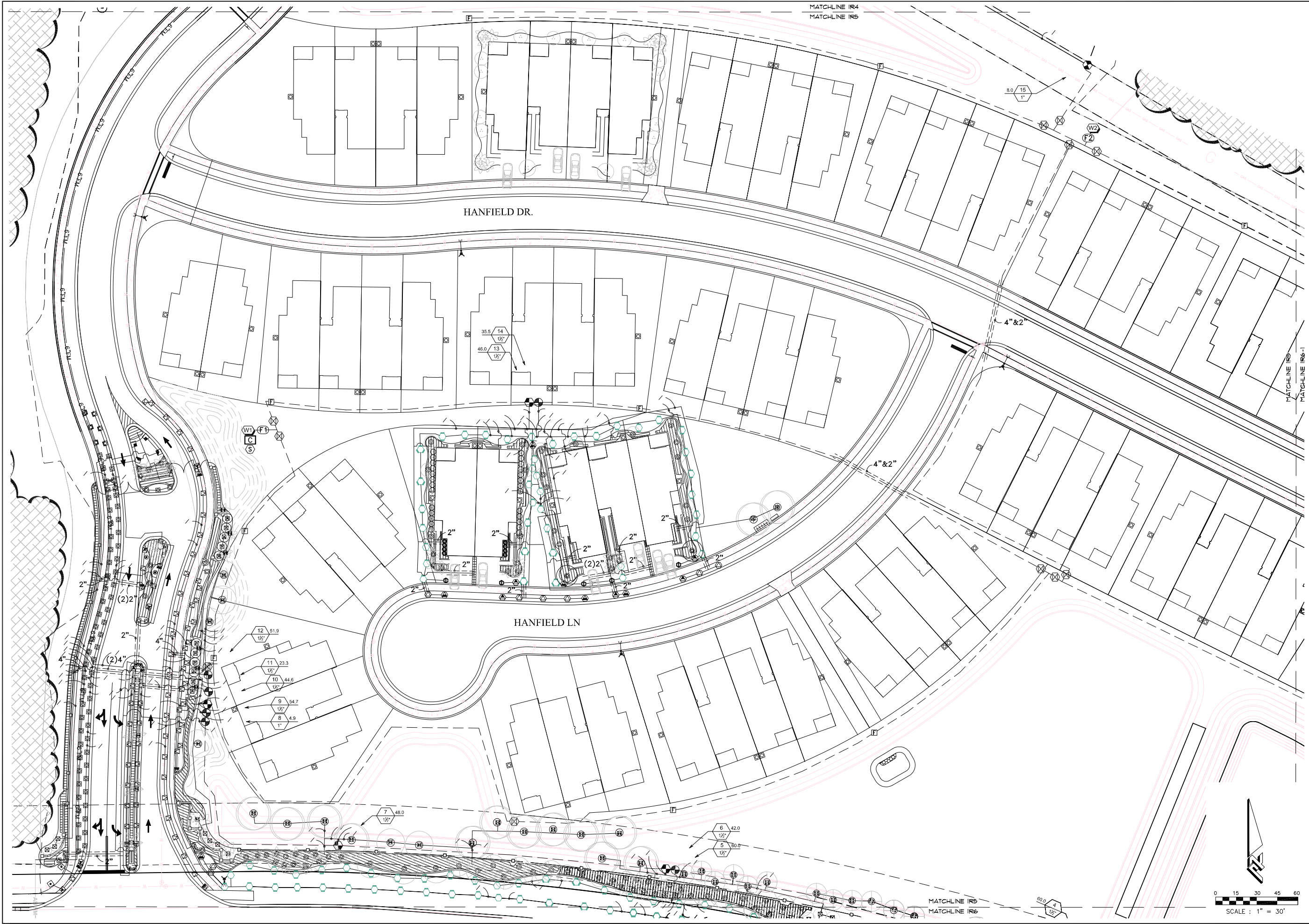
SCALE: 1" = 30'

SHEET: IR4 OF 8

ORMOND BEACH
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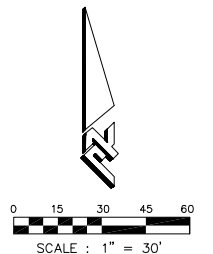
**WOODHAVEN
PHASE 1
IRRIGATION PLAN & DETAILS**

CITY OF PORT ORANGE VOLusia COUNTY, FLORIDA

PROJECT NO: 16011
ISSUE DATE: 2-1-17
DESIGNED BY: SMG
DRAFTED BY: SMG
CHECKED BY: SRB
DRAWING FILE: 16011R
XREFS: 16011 BAS
XREFS:

MAR 20 2017
REGISTERED LANDSCAPE ARCHITECT
STEPHEN R. BURNS
LA 986
STATE OF FLORIDA

NOT VALID WITHOUT SEAL
STEPHEN R. BURNS, R.L.A. NO. 986
SCALE: 1" = 30'
SHEET: IR5 OF 8

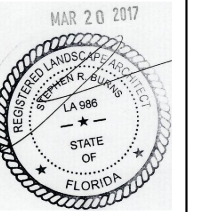
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WOODHAVEN
PHASE I
IRRIGATION PLAN & DETAILS

VOLUSIA COUNTY, FLORIDA

CITY OF PORT ORANGE

PROJECT NO: 16011
ISSUE DATE: 2-1-17
DESIGNED BY: SMG
DRAFTED BY: SMG
CHECKED BY: SRB
DRAWING FILE: 16011IR XREFS: 16011 BAS XREFS:



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STEPHEN R. BURNS, R.L.A NO. 986

SCALE: 1" = 30'

SHEET: IR6 OF 8

<u>SYMBOL</u>	<u>MANUFACTURER/MODEL</u>	<u>QTY</u>	<u>ARC</u>	<u>PSI</u>	<u>GPM</u>	<u>RADIUS</u>
	Rain Bird RD-06-NSI 15 Strip Series	7	LCS	30	0.44	4'x15'
	Rain Bird RD-06-NSI 15 Strip Series	8	RCS	30	0.44	4'x15'
	Rain Bird RD-06-NSI 15 Strip Series	62	SST	30	1.21	4'x30'
	Rain Bird RD-06-NSI 8 Series MFR	61	180	30	0.52	8'
	Rain Bird RD-06-NSI 8 Series MFR	12	90	30	0.26	8'
	Rain Bird RD-06-NSI 10 Series MFR	6	180	30	0.71	10'
	Rain Bird RD-06-NSI 15 Series MFR	2	90	30	0.92	15'
	Rain Bird RD-06-NSI 15 Series MFR	2	120	30	1.23	15'
	Rain Bird RD-06-NSI VAN Series	6	Adj	30		6'
	Rain Bird RD-06-NSI HE-VAN Series	6	Adj	30		8'
	Rain Bird RD-06-NSI HE-VAN Series	2	Adj	30		15'
	Rain Bird RD-06-NSI with MP1000	2	210-270	40		14'
	Rain Bird RD-06-NSI with MP1000	16	90-210	40		14'
	Rain Bird RD-06-NSI with MP2000	1	210-270	40		19'
	Rain Bird RD-06-NSI with MP2000	148	90-210	40		19'
	Rain Bird RD-06-NSI with MP3000	20	90-210	40		30'
	Rain Bird RD-06-NSI with MP8000SR	5	Adj	40		10'
	Rain Bird RD-06-NSI with MP Corner	1	Adj	40		13'
	Rain Bird RD-06-NSI with MP Strip	6	LCS	40	0.22	5'x15'
	Rain Bird RD-06-NSI with MP Strip	5	RCS	40	0.22	5'x15'
	Rain Bird RD-06-NSI with MP Strip	8	SST	40	0.44	5'x30'
	Two Rain Bird PCT-07	196x2	360	30	0.25	3'
	Two Rain Bird 140I bubbler	384x2	360	30	0.50	3'

- THE PLANS AND DRAWINGS ARE DIAGRAMMATIC OF THE WORK TO BE PERFORMED. SOME COMPONENTS MAY BE SHOWN OUTSIDE THE WORK AREA FOR CLARITY. THE WORK SHALL BE EXECUTED IN A MANNER TO AVOID CONFLICTS WITH UTILITIES AND OTHER ELEMENTS OF CONSTRUCTION, INCLUDING LANDSCAPE MATERIALS. ALL DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE BEING INSTALLED. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY ASPECT OF THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS AND DRAWINGS, WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DISCREPANCIES EXIST THAT MIGHT NOT HAVE BEEN KNOWN DURING THE DESIGN OF THE IRRIGATION SYSTEM. IN THE EVENT THAT NOTIFICATION OF THE CONFLICT IS NOT APPROVED BY THE OWNER'S REPRESENTATIVE, THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS.
- THE IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS, IRRIGATION SYSTEM SPECIFICATIONS AND ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL COMPLY WITH ALL PREVAILING LOCAL CODES, ORDINANCES, AND REGULATIONS.
- CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS, INCLUDING UTILITY LOCATIONS, BEFORE INSTALLATION OF THE IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THE PLANS - CONTRACTOR TO VERIFY. COORDINATE ALL IRRIGATION SYSTEM CONSTRUCTION WITH EXISTING AND NEW PLANTINGS TO AVOID CONFLICT OR INTERFERENCE WITH LOCATION OF PIPING, SLEEVING, CABLES, AND SERVICE UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION WITH ALL OTHER CONSTRUCTION ON SITE, ESPECIALLY LANDSCAPE INSTALLATION. IRRIGATION SYSTEM SHALL BE RELOCATED AT NO ADDITIONAL COST FOR ANY CONFLICT WITH LANDSCAPE INSTALLATION OR ANY OTHER SITE CONSTRUCTION OR EXISTING CONDITIONS. ALL COMPONENTS THAT ARE NOT CONTAINED WITHIN THE SPECIFIC AREAS SHOWN OR CALLED OUT ON THE DRAWINGS WILL NOT BE ACCEPTED. ALL PIPING AND OTHER COMPONENTS ARE TO REMAIN WITHIN THE PROPERTY OF THE OWNER.
- WHERE EXISTING OR NEW TREES, LIGHT STANDARDS, SIGNS, ELECTRONIC CONTROLLERS AND/OR OTHER OBJECTS ARE AN OBSTRUCTION TO AN IRRIGATION SPRINKLER'S PATTERN, THE COMPONENT AND PIPING SHALL BE RELOCATED AS NECESSARY TO OBTAIN PROPER COVERAGE OF AN IRRIGATION SPRINKLER'S PATTERN, THE COMPONENT AND PIPING SHALL BE RELOCATED AS NECESSARY TO OBTAIN THE PROPER COVERAGE WITHOUT DAMAGING THE OBSTRUCTION. OWNER'S REPRESENTATIVE SHALL DETERMINE WHETHER AN OBSTRUCTION OCCURS OR NOT.
- COMPONENT SPACINGS ARE MAXIMUM. DO NOT EXCEED SPACINGS SHOWN OR NOTED ON THE PLANS. COMPONENT SPACINGS MAY BE ADJUSTED TO ACCOMMODATE CHANGES IN TERRAIN AND PLANTING LAYOUT AS LONG AS THE MODIFIED SPACINGS DO NOT EXCEED THE SPACINGS SHOWN IN THE PLANS. UNLESS SHOWN OTHERWISE, CONTRACTOR SHALL PROVIDE 100% COVERAGE.
- ALL MATERIALS AND EQUIPMENT SHOWN SHALL BE NEW AND INSTALLED AS DETAILED ON THE PLANS. IF THE DRAWINGS DO NOT THOROUGHLY DESCRIBE THE TECHNIQUES TO BE USED, THE INSTALLER SHALL FOLLOW THE INSTALLATION METHODS AND INSTRUCTIONS RECOMMENDED BY THEIR MANUFACTURER.
- THE LOCATION OF THE IRRIGATION MAINLINE SHALL BE IDENTIFIED IN THE FIELD AND APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE INSTALLATION.
- IRRIGATION CONTRACTOR SHALL ADJUST ALL SPRINKLERS, CONTROLLER AND OTHER DEVICES TO OBTAIN SPECIFIED OPERATING PARAMETERS, INCLUDING COVERAGE, OPERATING PRESSURE, FLOW RATES AND OPERATION TIME, AS INDICATED ON THE DRAWINGS AND IN THE IRRIGATION SYSTEM SPECIFICATIONS.
- CONTRACTOR TO PROVIDE INSTALLATION SHOP DRAWINGS AND MANUFACTURER PRODUCT INFORMATION FOR ALL IRRIGATION COMPONENTS. ALL INSTALLATIONS SHALL BE AS RECOMMENDED BY MANUFACTURERS. THE QUANTITIES SHOWN IN THE LEGENDS AND SYMBOL SHEETS SHALL NOT BE USED FOR BIDDING PURPOSES. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONDUCTING A COMPREHENSIVE MATERIALS TAKEOFF TO DETERMINE THE ACTUAL QUANTITIES OF MATERIAL NECESSARY TO EXECUTE THE WORK DESCRIBED IN THE DOCUMENTS.
- TRENCHES SHALL BE BACKFILLED WITH CLEAN, DEBRIS-FREE MATERIALS. CLEAN SAND SHALL BE USED FOR BEDDING MATERIAL IF PARENT SOIL CANNOT BE ADEQUATELY RID OF ROCK AND OTHER EXTRANEUS DEBRIS. PULLING PIPE SHALL BE PROHIBITED.
- ALL SOLVENT WELDING SHALL BE PRECEDED BY PRIMING OF THE FITTINGS AND PIPE AS RECOMMENDED BY THE MANUFACTURER.
- DURING INSTALLATION AND UPON COMPLETION OF THE IRRIGATION SYSTEM, DECODERS SHALL BE PROGRAMMED TO THE CONTROLLER STATION AS PER THE IRRIGATION ZONE NUMBER. CONTRACTOR TO LABEL ALL VALVE BOX COVERS WITH THE CORRESPONDING CONTROLLER ZONE NUMBER. NUMBERING SIZE 1". PROVIDE TAGS TO ALL VALVES AS SHOWN PER DETAILS.
- CONTRACTOR TO PLACE TREE BUBBLERS AT OUTER EDGE OF ROOT BALL, NOT OUTER EDGE OF PLANTING HOLE.
- ALL IRRIGATION CONTROL WIRE FROM THE CONTROLLER SHALL BE PAIGE 14-2 IN PARALLEL FOR TWO WIRE SYSTEMS. ALL WIRE SPLICES IN THE PAIGE WIRE SHALL BE MADE WITH 3M-DBRG WIRE CONNECTORS. INSTALL RAIN BIRD FD DECODERS AT ALL VALVE LOCATIONS. ALL WIRE CONNECTIONS FROM THE DECODER TO THE SOLENOID SHALL BE MADE WITH 3M-DBY WIRE CONNECTORS.
- OWNER WILL DETERMINE CONTROLLER LOCATION AND PROVIDE ELECTRIC SERVICE WITHIN 20' OF LOCATION. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTION FROM THE ELECTRICAL SERVICE TO THE IRRIGATION CONTROLLER.
- LOCATE ALL VALVES IN PLANTING BEDS OR MULCHED AREAS WITH A MINIMUM OFFSET OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT. VALVE BOXES SHALL INDICATE ZONE NUMBER ON LIDS.
- ALL VALVES (SOLENOID, GATE, ISOLATION, AIR RELIEF AND FLUSH), SURGE PROTECTORS AND FILTERS SHALL BE LOCATED WITHIN THE SPECIFIED VALVE BOXES.
- ALL IRRIGATION LINES UNDER PAVEMENT SHALL BE INSTALLED WITHIN SCH 40 PVC SLEEVES AS NOTED. IRRIGATION CONTROL WIRE SHALL HAVE IT'S OWN SEPARATE SLEEVE UNLESS NOTED OTHERWISE.
- THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR ALL SLEEVING.
- ALL UNSIZED PIPE SHALL BE 3/4".
- IRRIGATION LATERAL LINES TO BE BURIED AT A DEPTH OF 12" UNLESS NOTED OTHERWISE.
- IRRIGATION MAINLINES TO BE BURIED AT A DEPTH OF 18" UNLESS NOTED OTHERWISE.
- ALL COMPONENTS INSTALLED BY THE IRRIGATION CONTRACTOR, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE EXACT LOCATION AND DEPTH BELOW FINISH GRADE OF ALL COMPONENTS SHALL BE NOTED ON THE "AS-BUILT" DRAWINGS.
- IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE LANDSCAPE SUPERVISOR. WORK IN THE RIGHT OF WAY SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE HIGHWAY JURISDICTION.
- INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY FLOW OF VEHICULAR TRAFFIC AND COMPLETION OF ALL WORK ON THE SITE.
- IRRIGATION CONTRACTOR SHALL VERIFY METER IS CAPABLE OF FLOW AND PRESSURE PRIOR TO INSTALLATION OF THE IRRIGATION SYSTEM. CONTRACT THE IRRIGATION DESIGNER WITH THE AVAILABLE FLOW AND PRESSURE IF THE METER DO NOT MEET THE REQUIREMENTS SHOWN IN THE LEGEND FOR THE METERS. WATER METERS TO BE PROVIDED BY THE OWNER.
- IRRIGATION WELLS SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR AS PART OF THE IRRIGATION SYSTEM INSTALLATION CONTRACT. IRRIGATION WELL SHALL BE 4" WELL WITH A PUMP CAPABLE OF PRODUCING 60 GPM AT 60 PSI. THE SYSTEM SHALL INCLUDE A WILKINS 1-1/2" DOUBLE CHECK VALVE ASSEMBLY, CYCLE STOP CSV2W, WX102 TANK AND RAIN BIRD LCRBY200S FILTER. ALL EQUIPMENT SHALL BE INSTALLED IN HOT BOX ENCLOSURE ON CONCRETE PAD. THE OWNER SHALL DETERMINE FINAL WELL LOCATION AND PROVIDE ELECTRICAL SERVICE TO THE LOCATION. WELL DRILLER SHALL BE RESPONSIBLE FOR CONNECTION OF THE ELECTRICAL SERVICE TO THE PUMP.

[illegible]



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: No

SUBJECT: (I22) Change order CXT

DEPARTMENT: Parks & Recreation

GOAL:

RECOMMENDED MOTION: Move to approve change order one with CXT and authorize the Mayor and City Clerk to execute the associated documents.

SUMMARY: CXT is under contract to build and deliver a pre fab restroom. During the original contract **staff inadvertently left off the site prep portion of the work**. The site work was quoted under the original piggyback for \$34,825.00. In addition to the site work the original piggyback expires on April 23, 2017 and has a renewal option. NJPA has exercised the renewal of this contract and therefore **staff is asking for the additional \$34,825.00 and a 37 day extension of time** to complete this work.

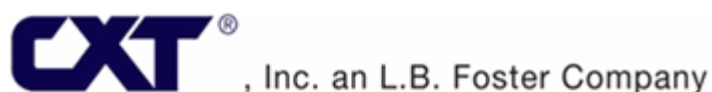
Project No.: QPC061 Funding Account No.: 317-1000-519-6397

ATTACHMENTS:

1.	CXT original quote	CXT Coraci Sport Complex Quote.pdf
2.	change order #1 site prep	CXT CHANGE ORDER #1.pdf

Susan Lovallo
Susan Lovallo
Tracey Riehm
Margaret Roberts
Jake Johansson
Robin Fenwick

Created/Initiated - 03/30/2017
Approved - 03/30/2017
Approved - 04/03/2017
Approved - 04/05/2017
Approved - 04/06/2017
Final Approval - 04/06/2017

Quote #: **JCHA501CLK-1****Mailing Address:**

CXT Incorporated, an LBFoster Co.
 3808 North Sullivan Road Bldg. #7
 Spokane Valley, WA 99216

To: City of Port Orange

4655 City Center Circle
 Port Orange, FL 32129

Attention: Bruce Ferguson**Phone:** (386) 506-5856**Fax:** (386) 756-5351**Phone:** (800) 696-5766**Fax:** (509) 928-8220**Date:** 06/08/2016

Our quotation for the Taos Flush Building building is as follows:

Per Building

Taos multi-user flush building with standard simulated rib metal roof and two tone split face block wall texture, three 16-gauge galvanized steel doors and frames, vitreous china plumbing fixtures (6-lavatories, 5-water closets, 1-urinal), six soap dispensers, six hand dryers, five 3-roll toilet paper holders, two Koala hard plastic baby changing stations, two exhaust fans, five GFI outlets, five floor drains, four s/s mirrors, ADA grab bars, ADA signs, ADA frost free drinking fountain, one hose bib in chase area, motion controlled interior lights and photo cell controlled exterior lights. PE Stamped drawings and FL DCA approvals included.

\$134,875.96

 \$134,875.96

FOB: Freight FOB: Destination. Price includes delivery, off-loading and setting the building on a customer prepared pad and utility stub in the Port Orange, FL area. Final connection of utilities included.

Terms: Net 30 with Credit Approval.

Shipment: Within 90 days ARO after receipt of an approved MI (Manufacturing Insurrections) and State approvals.

Notes: Sales tax not included
 Number of Units: ____

Option: Site preparation quote includes the following:

Permit pulled with FL Licensed GC. Includes Permit fee

Working under licensed electrician & plumber

Building pad per CXT specifications

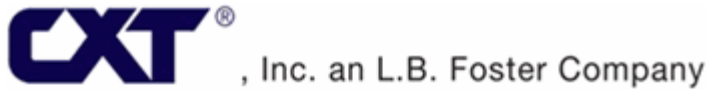
Rough-in plumbing for utility pad i.e. 4" sewer, 2" water and 120V electrical lines

10' of excavation for local electrician (provided by CXT) to make connection to electrical panel

5' concrete apron around four sides of building

Approx 60' x 5' walkway

Total for Site Prep \$34,825.00 + Building \$134,875.96 = **\$169,700.96 Total turn-key**

Quote #: **JCHA501CLK-1****Mailing Address:**

CXT Incorporated, an LBFoster Co.
3808 North Sullivan Road Bldg. #7
Spokane Valley, WA 99216

To: City of Port Orange

4655 City Center Circle
Port Orange, FL 32129

Attention: Bruce Ferguson**Phone:** (386) 506-5856**Fax:** (386) 756-5351**Phone:** (800) 696-5766**Fax:** (509) 928-8220**Date:** 06/08/2016

This quotation is subject to the conditions on the attached sheet and the terms hereof shall constitute the exclusive agreement of the parties and all conflicting or additional terms in Buyer's purchase order or any other such documents of Buyer shall have no force or effect.

Accepted this _____ day of _____ 20____

By: _____ (Customer Name)

(Signed)**L.B. FOSTER COMPANY**

By _____

Jeff Chambers

JChambers@lbfoster.com

CONDITIONS OF SALE

1. Taxes: Prices exclude all Federal/State/Local taxes. Tax will be charged where applicable if customer is unable to provide proof of exemption .

2. Payment Terms

Payment to CXT by the purchaser shall be made net 30 days after the submission of the invoice to the purchaser. Interest at a rate equal to the lower of (i) the highest rate permitted by law; or (ii) 1.5% per month will be charged monthly on all unpaid invoices beginning the 35th day (includes 5 day grace period) from the date of the invoice. Under no circumstances can a retention be taken and purchaser shall pay the full invoiced amount without offset or reduction . These terms are available upon approval of credit. If CXT initiates legal proceeding to collect any unpaid amount or other dispute arising out of or relating to this Quote , purchaser shall be liable for all of CXT's costs, expenses and attorneys fees associated with such litigation, including the fees and costs of any appeal.

3. Quotation Term: This offer is subject to acceptance within 60 days from the date of this quotation. After that time, prices are subject to change without notice.

4. Drawings

Prices do not include any documentation other than standard drawings, packing lists, and invoices, unless otherwise stated in quote. Special documentation, reports, or submittals can be supplied at an additional cost. If additional engineering, engineering seals, state approvals, drawings, or insignias are required additional charges may incur.

5. Delivery

Delivery will be scheduled immediately upon receipt of written customer approval of all building submittals, building worksheet(s) and signed contract/purchase order. In the event delivery of the buildings ordered is/are not completed within 30 days of the agreed to schedule through no fault of CXT, an invoice for the full contract value (excluding shipping and installation costs) will be submitted for payment, the terms of which will be as per item 2 in our quotation. Delivery and installation charges will be invoiced at the time of delivery and installation. Should the delivery and installation costs increase due to changes in the delivery period, this increase in cost will be added to the price originally quoted, and will be subject to the contract payment terms. In the event that the delivery is delayed more than 45 days after the agreed to schedule and through no fault of CXT, then in addition to the remedies above, a storage fee of 1 1/2% of contract price per month or part of any month will be charged.

6. Fuel Costs

Fuel costs for crane and freight have been quoted at fuel prices furnished at the time of quotation. If at the time of delivery and installation these costs have risen, CXT reserves the right to adjust the freight and crane costs to reflect the fuel costs furnished at the time of delivery.

7. Responsibilities of the Customer

A. Stake exact location building is to be set, including orientation.

B. Provide clear and level site, free of overhead and/or underground obstructions.

C. Provide site accessible to normal highway trucks and sufficient area for the crane to install and other equipment to perform the contract requirements.

D. Customer shall provide notice in writing of low bridges, roadway width or grade, unimproved roads or any other possible obstacles from State highway and/or main county road to site. CXT reserves the right to charge the customer for additional costs incurred for special equipment required to perform delivery and installation.

E. Customer is responsible for all permits required.

F. Completing and complying with Pre-Order Information Worksheet that is incorporated herein by this reference .

8. Access to Site

For Installation methods described below in paragraph 9 A & B, delivery will be made in normal highway trucks and trailers. If at the time of delivery conditions of access are hazardous or unsuitable for truck equipment for any reason, CXT shall be entitled to payment for extra costs to ensure a safe and quality installation to the chosen site or will agree to an alternative site with better access.

To safely offload the facility referred to within this quotation , CXT must have clear and unobstructed access next to the gravel pad or hole where the facility will be placed .

CXT is not responsible for cracked or damaged roads , driveways, sidewalks or aprons that are in the path of the delivery trucks or cranes at the final offloading site .

Should CXT be required to obtain a larger crane than quoted due to site amenities or hardscapes , CXT will charge the customer the difference between the crane originally quoted, and the one that was hired to successfully offload the facility safely and efficiently .

9. Installation

A. **Full Install.** If the customer opts to have full installation of their new building, CXT will provide a backhoe trailered into the site , and prepare the customer site at the marked hole/pad area. The crane will arrive and set up next to the hole/pad. Any requirements to lift the building over obstacles or not having the ability of the crane to be right next to the hole could incur additional charges. The size of the crane varies however most cranes require an area of 18'x18' for their outriggers. Truck(s) carrying the vaults and the building systematically pull up right next to the crane and are offloaded onto the site . Any requirements to lift the building over obstacles or not having the ability of the truck to be right next to the crane could incur additional charges. Installation crew then performs all necessary excavation, backfill, compaction, site grading, and connection of utilities (if applicable). Please note: additional time and any special equipment needed by the installation crew for unscheduled site work will be billed to the customer.

B. **Set-Only Install.** If the customer opts to prepare the hole, and do earthwork preparation for the site, the customer will move all excess dirt to allow access by the crane and semi-truck. The crane will arrive and set up next to the hole/pad. Any requirements to lift the building over obstacles or not having the ability of the crane to be right next to the hole could incur additional charges. The size of the crane varies however most cranes require an area of 18'x18' for their outriggers. Truck(s) carrying the vaults and the building systematically pull up right next to the crane and are offloaded onto the site . Any requirements to lift the building over obstacles or not having the ability of the truck to be right next to the crane could incur additional charges. Customer performs all necessary excavation, backfill, compaction, site grading, connection of utilities (if applicable). If the pad for a flush building, or a customer prepared excavation/ hole prep is not to CXT specifications, and results in extra costs the customer will be responsible for these extra costs.

C. **Ship-Only.** If customer opts to self-install their building CXT can provide a drawing of the recommended lifting /rigging arrangement plus the four special lifting plates for the buildings itself with a refundable deposit of \$1,000.00 payable by credit card only. The customer must return lifting plates and hardware to CXT (at customers cost) within 2 weeks (14) days or a \$1,000.00 fee will be charged to the customer credit card. Please note: It is highly recommended that you use our lifting/rigging arrangements. The CXT arrangements will help prevent damage to the building . CXT will not take responsibility for any damage/accidents to the building or workers during the use or non-use of our recommended lifting/rigging arrangements.

D. CXT shall be entitled to reimbursement from customer for any expenses that are the result of conditions encountered at the site which are (1) subsurface or otherwise concealed physical conditions which differ materially from those indicated by the customer or (2) unknown physical conditions of an unusual nature, which differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities at the customer 's location.

E. Should customer request additions or changes to the work, CXT shall be entitled to payment for additional or changed work . Any request for additions or changed work shall be in writing executed by Customer Field Representative by signing the additional work required section of the Building Acceptance Form , incorporated herein by this reference.

10. Transportation

Your building(s) will be transported from our plant to your installation site via semi-truck with trailer. The length and clearance vary with the style of trailer used to accommodate your building model(s) and must be taken into consideration when determining access to site. If you ordered a(n)....

Cascadian/Rocky Mountain - Requires 1 truck: When shipped in 2-pieces (standard) the building with vault is shipped on a flatbed trailer. The length of the

tractor-trailer can be up to 75' long. Must have a 14' height clearance to access site.

Gunnison - Requires 1 truck: Shipped with its vault, this building is typically shipped on a step-deck trailer. The length of the tractor-trailer can be up to 75' long. Must have 14' height clearance to access site.

Tioga Special • Requires 2 trucks: 1 to transport the building and 1 to transport vaults. The building is typically shipped on a step-deck trailer and 2 vaults are typically transported on a flatbed trailer. The length of the tractor-trailer can be up to 75' long. Must have 14' height and 14' width clearance to access site.

Dbi Cascadian/Dbi Rocky Mountain • Requires 2 trucks: 1 to transport the building and 1 to transport the vaults. The building is typically shipped on a dbi-drop or low boy trailer (approximate ground clearance of 4 to 6") and the 2 vaults are typically transported on a flatbed trailer. The length of the tractor-trailer can range from 75' to 80'. Must have 14' height and 14' width clearance to access site.

Cortez/Ozark I/Teton/Pioneer - Requires 1 truck: Generally shipped on a step-deck trailer. The length of the tractor-trailer can be up to 75' long. Must have a 14' height and 14' width clearance to access site.

Large Flush, Sectional, or Custom Bldgs -

(Arapahoe/OzarkII/Cheyenne/Montrose/Taos/Rainier/PomonayNavajo/Malibu/Kodiak/FontanayDiablo/Denali)

Requires 2-4 trucks, depending on size of building. Each section will be shipped on an RGN trailer (approximate ground clearance of 4 to 6"). The length of the tractor-trailer can range from 80' to 115'. Must have 14' height and 14' width clearance to access site. The Denali model could ship on either an RGN trailer or a dbi-drop.

Schweltzer/Mendocino - Requires 1-2 trucks, depending on size of building. Generally shipped on a step-deck trailer. The length of the tractor-trailer can be up to 75' long. Must have 14' height and 14' width clearance to access site.

11. CXT Warranty

CXT warrants that all structures sold pursuant hereto will, when delivered, conform to specifications of the building listed on the quote. Structures shall be deemed accepted and meeting specifications unless notice identifying the nature of any non-conformity is provided to CXT in writing within one (1) year of delivery. It is specifically understood that CXT's obligation hereunder is for credit or repair only. CXT will repair structural defects against materials and workmanship for one (1) year from date of delivery provided CXT is first given the opportunity to inspect said structure. CXT warrants all components sold within all structures pursuant here to when delivered within structures. Components deemed accepted and meeting specifications shall be warranted for a period of one (1) year against defects in the materials and/or workmanship from said date of delivery. CXT is not responsible for components that are damaged due to misuse, acts of violence, negligence, acts of God, or accidents. Shipping, handling, installation or other incidental or consequential costs, unless otherwise agreed to in writing by CXT, are not included.

This warranty shall not apply to:

Any goods which have been repaired or altered without CXT's express written consent, in such a way as in the reasonable judgment of CXT, to adversely effect the stability or reliability thereof;

To any goods which have been subject to misuse, negligence, acts of God, or accidents;

To any goods which have not been installed to manufacturer's specifications and guidelines, improperly maintained, or used outside of the specifications for which such goods were designed.

12. Disclaimer of Other Warranties

THE WARRANTY SET FORTH ABOVE IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. ALL OTHER WARRANTIES ARE HEREBY DISCLAIMED. CXT MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE.

13. Limitation of Remedies

In the event of any breach of any obligations hereunder; breach of any warranty regarding the goods, or any negligent act or omission of any party, the parties agree to submit all claims to binding arbitration. Any settlement reached shall include all reasonable costs including attorney fees. In no event shall CXT be subject to or liable for any incidental or consequential damages. Without limitation on the foregoing, in no event shall CXT be liable for damages in excess of the purchase price of the goods herein offered.

14. Acceptance

The foregoing terms will be deemed accepted in full by signature and return of one copy to CXT, subject to customer credit approval. A copy of any applicable form of payment security device (i.e. payment bonds) available to CXT shall be included with the signed copy of this agreement.

15. Timing of Billing to Buyer

Seller will invoice Buyer upon shipment from its supplier or facility, unless otherwise indicated on the face of this document.

16. Storage of Material For Buyer

If, at Buyer's request, goods covered by this document are held at Seller's facility or service provider for more than 21 days after they are available for shipment, Buyer shall accept Seller's invoice and pay said invoice based on payment terms set forth herein.

17. Material Reservation

Seller will only reserve material for 30 days with receipt of an executed purchase order, quote or order acknowledgement acceptable to Seller. After that time, material availability, price and shipment date may be adjusted, at Seller's option.

* Time Sensitive
Council 4/18

CHANGE ORDER NO. 1
To Piggyback Agreement dated January 18th, 2017, with CXT, Inc. , an L.B. Company
, Contractor

Project: QPC061

The following changes are hereby made to the Contract Documents:

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price: \$134,875.96	Original Contract Times Substantial Completion: ____ days Final Completion 90 days
Net changes from previous Change Order: No. _: \$ N/A \$	Changes in contract time from previous Change Orders: No. _: ____ days ____ days
Contract Price prior to this Change Order: \$134,875.96	Contract Completion Date prior to this Change Order: Final Completion: April 23, 2017 date
Net Increase (decrease) of this Change Order No. 1: Increase Line \$34,825.00	Changes in contract time requested this Change Order No. 1: (Requires Council Approval) 37 days
Contract Price with all approved Change Orders: \$169,700.96	Contract Times with all approved Change Orders: Final Completion: May 30, 2017 date

CHANGES ORDERED:

- I. **GENERAL:** This Change Order is necessary to cover changes in the work to be performed under the Piggyback Agreement entered by and between the parties on January 18th, 2017.
- II. **REQUIRED CHANGES:** The original contract price included the purchase of the Pre-Fab Restroom Building. The additional cost of \$ 34,825.00 is for the Site Preparation work that is needed of the Pre-Fab building. No goods shall be delivered nor services commenced hereunder until this Change Order has been fully executed by all parties.
- III. **JUSTIFICATION:**
Changes in scope require Council approval. Is this a scope change? No
- IV. **PAYMENT:** Payment for this Change Order shall be made in accordance with the terms of the Piggyback Agreement subject to a limit up to but not to exceed \$34,825.00. All payments shall be governed by the Local Government Prompt Payment Act as set forth in Florida Statutes Section 218.70 through 218.79, as amended.

Acknowledgments:

The aforementioned change, and work affected thereby, is subject to all provisions of the original contract not specifically changed by this Change Order;

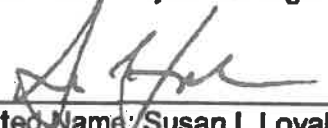
It is expressly understood and agreed that the approval of the Change Order shall have no effect on the original contract other than matters expressly provided herein;

The prices quoted are fair and reasonable and in proper ratio to the cost of the original work contracted for under competitive bidding; and,

The change in price and/or delivery date described is fair and reasonable and has been mutually agreed upon in full agreement and final settlement of all claims arising out of this modification including all claims for delays and disruptions resulting from, caused by, or incident to such modifications and change orders.

RECOMMENDED BY:

Department Project Manager

By: 
Printed Name: Susan L Lovallo
Title: Parks & Recreation Director

Date Signed: 3/22/17

RECOMMENDED BY:

City's Representative

By: N/A
Printed Name: _____
Title: _____

Date Signed: _____

ACCEPTED BY:

Contractor

By: 
Printed Name: Brian Hall
Title: Commercial / Operations Manager

Date Signed: 3/31/17

RECOMMENDED BY:

Engineer of Record

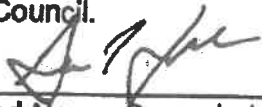
By: N/A
Printed Name: _____
Title: _____

Date Signed: _____

APPROVED BY:

CITY OF PORT ORANGE

Department Head—Approval delegated by City Manager. Scope, schedule and cost changes above either \$25K or limit of unforeseen conditions allowance go to City Council.

By: 
Printed Name: Susan L. Lovallo
Title: Parks & Recreation Director

Date Signed: 3/22/17

City Manager—Approval authority for changes up to either \$25K or limit of unforeseen conditions allowance. Scope and schedule changes sent to City Council.

By: _____
Printed Name: M.H. JOHANSSON
Title: City Manager

Date Signed: _____

Affirmed:

If Council approval is required:

By: _____
Printed Name: Don Burnette
Title: Mayor

Robin L. Fenwick, CMC, City Clerk

Date Signed: _____

Date Signed: _____



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: Yes

SUBJECT: (I23) Bid Award ITB #17-17 Landscaping Improvements on State Road 5/US1/Ridgewood Avenue FM#437858-1-58-01

DEPARTMENT: Community Development

GOAL: 3 - Quality of Life

RECOMMENDED MOTION: Move to approve final contract subject to approval of final documents by the city attorney for ITB #17-17 Landscaping Improvements on State Road 5/US1/Ridgewood Avenue to C&L Landscape, Inc. in the amount of \$579,776, authorize an allowance for unforeseen conditions up to \$30,000 pursuant to Ordinance No. 2015-30 Sec. 2-272 - Alterations or modifications of contracts, and authorize the Mayor and City Clerk to sign and execute all contract documents.

SUMMARY: Five bids were opened and evaluated by City staff on February 17. The five bids ranged from \$579,776 to \$929,279 with all five bids coming in over the engineer's estimate of \$525,000. Mobilization, Maintenance of Traffic, Clearing and Grubbing and Irrigation costs were much higher than estimated in most of the bids. Mobilization and Maintenance of Traffic were also the most varied in price as the contractors appear to have added the majority of profit in one of these lines. C&L Landscape, Inc. submitted the lowest bid of \$579,776. C&L Landscape, Inc. is located in Jacksonville and has been in business since 1993, but is unknown to City staff and the City's consultant Zev Cohen and Associates, Inc. (ZCA). C&L has the financial backing, experience and equipment required to successfully complete this project and is an FDOT pre-qualified contractor for Landscaping, Grassing, Seeding and Sodding. Based upon evaluation of the bids, it is recommended that the contract be awarded to C&L Landscape, Inc. in the amount of \$579,776.

Florida Department of Transportation Grant funding will cover \$293,334 of this project. City funding is required for the balance of the project, or \$286,442. During the past year, eligible grant expenditures have narrowed, causing a need for increased City funding of \$125,707 compared with the original estimates.

To allow this project to move forward in a timely fashion, staff requests reallocation of \$125,707 from the City Center Landscaping Project (OMI030) to the South Ridgewood Ave Irrigation and Landscaping Projects (AIO026 and AIO027) This re-allocation will delay the City Center Landscaping Project until additional funding can be identified but will allow the City to benefit from grant funding which will otherwise expire on August 31, 2017.

If approved, construction is expected to start in May.

Project No.: AIO027

Funding Account No.: 317-1000-519.63-97

<u>AIO027</u>	<u>317-1010-519.63-97</u>
<u>AIO026</u>	<u>317-1000-519.63-97</u>
<u>AIO026 & AIO027</u>	<u>317-1000-519.63-97</u>

ATTACHMENTS:

1.	Bid Tabulation	ITB 17-17 Tabulation - Side-by-Side Comparison.xlsx
2.	C&L Submittal	ITB 17-17 C and L Landscape Inc submittal.pdf

Margaret Tomlinson	Created/Initiated - 03/30/2017
Wayne Clark	Approved - 03/30/2017
Tracey Riehm	Approved - 04/05/2017
Margaret Roberts	Approved - 04/06/2017
Jake Johansson	Approved - 04/06/2017
Robin Fenwick	Final Approval - 04/07/2017

**"ATTACHMENT 1" ITB 17-17 SCHEDULE OF UNIT PRICING
BID FORM (REVISED PER ADDENDUM 2)
CITY OF PORT ORANGE LANDSCAPING IMPROVEMENTS ON STATE RD 5/US1/RIDGEWOOD AVENUE FM#437858-1-58-01**

				Arazoza Brothers Corp.		C&L Landscape Inc.		Lafleur Nurseries & Garden Center LLC		RJ Landscape Contractors Inc.		Santa Cruz Construction Inc.	
ITEM #	DESCRIPTION	QTY	UNIT	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST
ITEMS 5-21 ARE NOT INCLUDED IN THE BASE BID. UNIT PRICING ITEMS 5-21 TO INCLUDE INSTALLATION OF THE IRRIGATION COMPONENT IS REQUESTED AND MUST BE SUBMITTED.													
1	Mobilization	1	LS	\$ 45,000.00	\$ 45,000.00	\$ 70,000.00	\$ 70,000.00	\$ 25,000.00	\$ 25,000.00	\$ 7,250.00	\$ 7,250.00	\$ 5,600.00	\$ 5,600.00
2	Maintenance of Traffic	1	LS	\$ 40,000.00	\$ 40,000.00	\$ 8,000.00	\$ 8,000.00	\$ 10,000.00	\$ 10,000.00	\$ 39,000.00	\$ 39,000.00	\$ 119,000.00	\$ 119,000.00
3	Clearing and Grubbing (Includes Tree Removal)	1	LS	\$ 50,000.00	\$ 50,000.00	\$ 32,070.00	\$ 32,070.00	\$ 30,000.00	\$ 30,000.00	\$ 123,000.00	\$ 123,000.00	\$ 106,850.00	\$ 106,850.00
4	Irrigation System (Lump Sum)	1	LS	\$ 251,792.00	\$ 251,792.00	\$ 134,372.00	\$ 134,372.00	\$ 100,000.00	\$ 100,000.00	\$ 180,000.00	\$ 180,000.00	\$ 271,840.00	\$ 271,840.00
5	Rain Bird 5004 MPR (purple cover)	1	EA	\$ 75.00		\$ 25.00		\$ 10.00		\$ 30.00		\$ 14.00	
6	Nibco T113 2" Isolation Valve in 10" Valve Box	1	EA	\$ 275.00		\$ 225.00		\$ 150.00		\$ 225.00		\$ 460.00	
7	Rain Bird PEB 1.5" valve in 12" Valve Box	1	EA	\$ 375.00		\$ 440.00		\$ 120.00		\$ 200.00		\$ 175.00	
8	Toro 570Z 6" Pop-up spray head	1	EA	\$ 45.00		\$ 25.00		\$ 11.00		\$ 18.00		\$ 11.50	
9	Toro 570Z 12" Pop-up spray head	1	EA	\$ 52.00		\$ 28.00		\$ 15.00		\$ 22.00		\$ 17.50	
10	Toro FB-25 Bubbler	1	EA	\$ 38.00		\$ 15.00		\$ 3.00		\$ 5.00		\$ 3.50	
11	Hunter IC-600-PP with Dual 48M Two Wire Module	1	EA	\$ 2,750.00		\$ 2,150.00		\$ 1,600.00		\$ 2,500.00		\$ 2,300.00	
12	Hunter Solar Sync Weather Sensor	1	EA	\$ 500.00		\$ 190.00		\$ 100.00		\$ 200.00		\$ 175.00	
13	4" well w/ 7.5hp submersible pump per specs	1	EA	\$ 34,500.00		\$ 10,000.00		\$ 15,000.00		\$ 16,000.00		\$ 15,550.00	
14	HDPE 3608 3" and 1" Road Crossing	1	LF	\$ 40.00		\$ 22.00		\$ 50.00		\$ 20.00		\$ 34.50	
15	Irrigation Mainline: PVC 3" Class 200 SDR 21	1	LF	\$ 7.00		\$ 4.75		\$ 1.00		\$ 3.00		\$ 2.30	
16	Irrigation Lateral Line: PVC 2" Class 200 SDR 21	1	LF	\$ 2.00		\$ 4.25		\$ 0.79		\$ 1.50		\$ 2.10	
17	Irrigation Lateral Line: PVC 1.5" Class 200 SDR 21	1	LF	\$ 1.75		\$ 2.50		\$ 0.65		\$ 1.00		\$ 1.75	
18	Irrigation Lateral Line: PVC 1.25" Class 200 SDR 21	1	LF	\$ 1.75		\$ 2.50		\$ 0.59		\$ 1.00		\$ 1.50	
19	Irrigation Lateral Line: PVC 1" Class 200 SDR 21	1	LF	\$ 1.50		\$ 2.00		\$ 0.25		\$ 1.00		\$ 1.15	
20	Irrigation Lateral Line: PVC 3/4" Class 200 SDR 21	1	LF	\$ 1.50		\$ 2.00		\$ 0.15		\$ 1.00		\$ 1.15	
21	Irrigation Lateral Line: PVC 3/4" Class 200 SDR 22	1	LF	\$ 1.25		\$ 2.00		\$ 0.15		\$ 1.00		\$ 1.15	
LANDSCAPING													
22	Phoenix dactylifera 'Medjool'-Medjool Date Palm 10-12' C.T. Specimen	47	EA	\$ 5,750.00	\$ 270,250.00	\$ 4,200.00	\$ 197,400.00	\$ 6,000.00	\$ 282,000.00	\$ 5,250.00	\$ 246,750.00	\$ 5,525.00	\$ 259,675.00
23	Lagerstroemia indica 'Muskogee'-Lavender Crape Myrtle 100 Gal., 4.5" Cal., 11" Ht., Standard	45	EA	\$ 900.00	\$ 40,500.00	\$ 650.00	\$ 29,250.00	\$ 1,000.00	\$ 45,000.00	\$ 800.00	\$ 36,000.00	\$ 1,125.00	\$ 50,625.00
24	Annuals 4" Pots	674	EA	\$ 6.75	\$ 4,549.50	\$ 8.00	\$ 5,392.00	\$ 2.00	\$ 1,348.00	\$ 2.00	\$ 1,348.00	\$ 2.60	\$ 1,752.40
25	Agapanthus africanus-Lily of the Nile 3 Gal., 18" Ht. x 18" Spread, Full	2,560	EA	\$ 15.75	\$ 40,320.00	\$ 13.00	\$ 33,280.00	\$ 12.00	\$ 30,720.00	\$ 12.00	\$ 30,720.00	\$ 13.70	\$ 35,072.00
26	Spartina patens-Salt Meadow Hay 1 Gal	27	EA	\$ 10.00	\$ 270.00	\$ 8.00	\$ 216.00	\$ 4.50	\$ 121.50	\$ 5.00	\$ 135.00	\$ 8.70	\$ 234.90
27	Muhlenbergia capillaris - Muhly Grass 1Gal., 10" Ht. x 10" Spread	5	EA	\$ 9.00	\$ 45.00	\$ 8.00	\$ 40.00	\$ 4.50	\$ 22.50	\$ 5.00	\$ 25.00	\$ 8.70	\$ 43.50
28	Tulbaghia violacea-Society Garlic 1 Gal., 12"-15" Ht. x 12"-15" Spread	3,216	EA	\$ 8.75	\$ 28,140.00	\$ 8.00	\$ 25,728.00	\$ 4.50	\$ 14,472.00	\$ 5.00	\$ 16,080.00	\$ 8.10	\$ 26,049.60
29	Juniperus conferta 'Blue Pacifica'-Shore Juniper 3 Gal., 18" Ht. x 18" Spread, Full	156	EA	\$ 13.75	\$ 2,145.00	\$ 13.00	\$ 2,028.00	\$ 12.00	\$ 1,872.00	\$ 12.00	\$ 1,872.00	\$ 13.70	\$ 2,137.20
30	Sodding-St. Augustine 'Floratum'	105,000	SF	\$ 0.50	\$ 52,500.00	\$ 0.40	\$ 42,000.00	\$ 0.38	\$ 39,900.00	\$ 0.50	\$ 52,500.00	\$ 0.48	\$ 50,400.00
TOTAL BASE BID 1-4, 22-30					\$ 825,511.50		\$ 579,776.00		\$ 580,456.00		\$ 734,680.00		\$ 929,279.60
31	ALTERNATE No 1 One Year Maintenance (Per Maintenance Plan on Sheet MP1)	1	LS		\$ 80,000.00		\$ 10,400.00		\$ 60,000.00		\$ 39,000.00		\$ 22,250.00
	ALTERNATE No.1 TOTAL				\$ 80,000.00		\$ 10,400.00		\$ 60,000.00		\$ 39,000.00		\$ 22,250.00
ITEMS 5-21 ARE													

SECTION 7 – REQUIRED FORMS



ORIGINAL

FORM 7.1 – BID SUBMITTAL CHECKLIST

- ☒ Form 7.2 – Vendor's Acknowledgement
- ☒ Form 7.3 – Addendum and Change Order Procedure Acknowledgement
- ☒ Form 7.4 – Drug Free/Tie Preference Statement
- ☒ Form 7.5 – Public Entity Crimes Statement
- ☒ Form 7.6 – Affidavit of Anti-Collusion
- ☒ Form 7.7 – Authorized Signatures/Negotiators
- ☒ Form 7.8 – Statement of Vendor's Qualifications
- ☒ Form 7.9 – Professional References for Previous Landscaping Experience
- ☒ Form 7.10 – Listing of Subcontractors
- ☒ Form 7.11 – Vendor Application
- ☒ W-9 Form
- ☒ Form 7.12 – Local Business Affidavit of Eligibility
- ☒ Form 7.13 – Certificate as to Corporate Principal
- ☒ Attachment 1 – Bid Proposal with copy of equipment maintenance records.
- ☒ Bid Bond
- ☒ Submission of one (1) original marked "ORIGINAL" and one (1) digital (CD or flash drive) version in PDF format.

BY:

C+L Landscape Inc.
Name of Business

Jana Hamburg
Authorized Signature

2/16/17
Date

This document must be completed and returned with your Submittal



ORIGINAL

FORM 7.2 – VENDOR'S ACKNOWLEDGEMENT FORM

I have carefully examined the Invitation to Bid (ITB), Instructions to Vendors, General and/or Special Conditions, Specifications, and any other documents accompanying or made a part of this invitation.

I hereby propose to furnish the goods or services specified in the Invitation to Bid at the prices or rates as finally negotiated. I agree that my bid will remain firm for a period of up to ninety (90) days in order to allow the City of Port Orange adequate time to evaluate the proposed bid. Furthermore, I agree to abide by all conditions of the Invitation to Bid.

I certify that all information contained in this Bid is truthful to the best of my knowledge and belief. I further certify that I am a duly authorized to submit this Bid on behalf of the Vendor / Contractor as its act and deed and that the Vendor / Contractor is ready, willing and able to perform if awarded the contract.

I further certify that this Bid is made without prior understanding, Contract, connection, discussion, or collusion with any person, firm or corporation submitting a Bid for the same product or service; no officer, employee or agent of the City of Port Orange City Council or of any other Vendor interested in said ITB; and that the undersigned executed this Vendor's Acknowledgement with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

I further certify that having read and examined the specifications and documents for the designated services and understanding the general conditions for contract under which services will be performed, does hereby propose to furnish all labor, equipment, and material to provide the services set forth in the ITB.

I hereby declare that the following listing states any clarifications, any and all variations from and exceptions to the requirements of the specifications and documents. The undersigned further declares that the "work" will be performed in strict accordance with such requirements, and understands that any exceptions to the requirements of the specifications and documents may render the Bid non-responsive.

NO EXCEPTIONS ALLOWED AFTER THE BID IS SUBMITTED:

Please check one: ☒ I take NO exceptions. ☐ Exceptions (list below; add additional pages if necessary):

C+L Landscape Inc.
NAME OF BUSINESS

1601 E. Duval Street
MAILING ADDRESS

Tana Hamburger
AUTHORIZED SIGNATURE

Jax. FL. 32202
CITY, STATE & ZIP CODE

Tana Hamburger President
NAME, TITLE, TYPED

904-353-6620 / 904-355-5985
TELEPHONE NUMBER / FAX NUMBER

59-3205831
FEDERAL IDENTIFICATION #

tana@clandscape.com
E-MAIL ADDRESS

STATE OF Florida COUNTY OF Duval

The foregoing instrument was acknowledged before me this day of February 15 2017 by Tana Hamburger, who is personally known to me or who has produced ad identification and who did take an oath.

My Commission Expires: July 13, 2020

Marilyn Macarages
Notary Public

This document must be completed and returned with your Submittal



FORM 7.3 – ADDENDUM and CHANGE ORDER PROCEDURE ACKNOWLEDGEMENT

ADDENDUM ACKNOWLEDGEMENT

I have carefully examined the Invitation to Bid (ITB), Instructions to Vendors, General and/or Special Conditions, Specifications, and any other documents accompanying or made a part of this invitation to Bid.

I acknowledge receipt and incorporation of the following addenda, and the cost, if any, of such revisions has been included in the price of the bid proposal.

Addendum # 1 Date: 1/18/17 Addendum # 3 Date: 2/10/17
Addendum # 2 Date: 2/1/17 Addendum # TH Date: _____

CHANGE ORDER PROCEDURE ACKNOWLEDGEMENT

If awarded the Contract for this Solicitation, I acknowledge that no oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders requests shall be made in writing by the Contractor for review by the Contract Administrator for the City of Port Orange. No work shall be performed as set forth in the change order until the Contractor receives an executed Purchase Order for the requested change.

I acknowledge the following statement regarding Change Orders to the awarded Contract:

"The Successful Contractor is responsible for giving the City of Port Orange, prior to the Contract expiration date, at least forty-five (45) calendar days' advance notice for any anticipated changes in price greater than \$25,000.00, time and/or scope of the awarded Contract. The Contractor shall not continue to provide services past the Contract expiration date unless approved by a written Change Order Notice from the City."

C+L Landscape Inc.
Name of Business

By: Tana Hamburger
Printed Name: Tana Hamburger
Title: President

STATE OF Florida
COUNTY OF Duval

Sworn to (or affirmed) and subscribed before me this 15 day of February, 20 17 by
Tana Hamburger as President of
(NAME) (TITLE)
C+L Landscape Inc. and who:
(NAME OF ORGANIZATION)

[Notary: Please select one]

- ☒ is personally known to me; or
☐ has produced _____ as identification.



Marilyn Macarages
Notary Public, State of Florida
Printed, typed or stamped name, commission and expiration:

This document must be completed and returned with your Submittal



CITY OF PORT ORANGE

PURCHASING DIVISION
1000 CITY CENTER CIRCLE
PORT ORANGE, FLORIDA 32129
TELEPHONE 386-506-5718
FAX 386-506-5711
purchdiv@port-orange.org

ADDENDUM No.1 **January 19, 2017**

ITB 17-17 **LANDSCAPING IMPROVEMENTS ON STATE RD** **5/US1/RIDGEWOOD AVENUE FM#437858-1-58-01**

To All Bidders:

The following changes, clarifications and additions are hereby made part of the bidding and specifications for the above referenced project dated January 13, 2017 and prepared by the City of Port Orange Purchasing Division as fully and completely as if the same were fully set forth therein. It is the sole responsibility of bidder to confirm that all addenda have been received prior to submitting bid and acknowledge such in the bid documents.

A. CLARIFICATIONS:

On page 9 of ITB 17-17 under the header MINIMUM QUALIFICATIONS there has been added clarification to include the following "bolded" verbatim thus revising this section to read as follows:

MINIMUM QUALIFICATIONS:

Vendor must meet all minimum bidder qualifications in Exhibit "D" Section 7 of the attached Joint Participation Agreement.

Vendors shall be licensed to do business in the State of Florida. Submit Sunbiz report showing your company registered as "Active".

Vendors must be properly registered and licensed to provide the goods or services identified in the scope of work, by all applicable state and local agencies.

Vendors must provide a minimum of three (3) verifiable references from similar scopes of work as identified in this ITB on the provided **Form 7.9 Professional References for Previous Experience in Landscaping**. Failure to provide references that verify required experience will cause the Vendor to be deemed non-responsive. The City of Port Orange is not to be used as a reference.

In all other respects, except as specifically stated herein, the subject ITB remains unchanged.

END OF ADDENDUM NO. # 1



CITY OF PORT ORANGE

PURCHASING DIVISION
1000 CITY CENTER CIRCLE
PORT ORANGE, FLORIDA 32129
TELEPHONE 386-506-5718
FAX 386-506-5711
purchdiv@port-orange.org

ADDENDUM No.2 **February 1, 2017**

ITB 17-17 **LANDSCAPING IMPROVEMENTS ON STATE RD** **5/US1/RIDGEWOOD AVENUE FM#437858-1-58-01**

To All Bidders:

The following changes, clarifications and additions are hereby made part of the bidding and specifications for the above referenced project dated January 13, 2017 and prepared by the City of Port Orange Purchasing Division as fully and completely as if the same were fully set forth therein. It is the sole responsibility of bidder to confirm that all addenda have been received prior to submitting bid and acknowledge such in the bid documents.

A. CHANGES TO SPECIFICATIONS:

There have been changes to the following drawings below. A new set of drawings reflecting these changes are attached to this addendum.

Item No. 1: Cover Sheet

Governing Standards are revised to current edition.

Item No. 2: Sheet D-1

Notes are revised to reflect current governing standards and updated contacts.

Item No. 3: Sheet D-1

Lane Closure Restrictions are added.

Item No. 4: Sheet D-1

Error in sheet numbering corrected.

Item No. 5: Sheets IR1-IR11

Sheet numbering is corrected.

There has been a new "Attachment 1 Schedule of Unit Pricing Bid Form" uploaded to Demandstar to include additional line items as follows:

- 1) Mobilization.**
- 2) Maintenance of Traffic.**
- 3) Clearing and Grubbing (Includes Tree Removal).**

B. CLARIFICATIONS:

1. Not all utilities are shown in the drawings. It is essential that the Contractor call Sunshine OneCall of Florida and the listed Utility Agency Owners to ensure that all utilities are properly located, prior to digging.
2. Please be advised that the budget for this project has been revised to \$525,000.00

In all other respects, except as specifically stated herein, the subject ITB remains unchanged.

END OF ADDENDUM NO. #2



CITY OF PORT ORANGE

PURCHASING DIVISION
1000 CITY CENTER CIRCLE
PORT ORANGE, FLORIDA 32129
TELEPHONE 386-506-5718
FAX 386-506-5711
purchdiv@port-orange.org

ADDENDUM NO. #3

2/10/2017

ITB #17-17

To All Bidders:

The following changes, clarifications and additions are hereby made part of the bidding and specifications for the above referenced project dated January 13, 2017 and prepared by the City of Port Orange Purchasing Division as fully and completely as if the same were fully set forth therein. It is the sole responsibility of bidder to confirm that all addenda have been received prior to submitting bid and acknowledge such in the bid documents.

A. QUESTIONS AND ANSWERS:

1. Please verify that existing directional bores as shown are 3" HDPE w/1" HDPE, also verify if they are DR-11 or what thickness, and note that it is difficult to fuse joints when pipe has apparently been cut off and buried with no excess pipe left to fuse to, we may need to use a mechanical joint fitting instead?

Answer: The existing directional bores are 3" Black HDPE and 1" electrical conduit. Photo attached. The connection can either be fused HDPE or a fitting may be used, which complies with the attached City Detail W-14.

2. Please indicate the condition of the irrigation in the medians north of Fleming, no irrigation is shown, we are to assume presently that irrigation is in place and operational and will not be connected to new irrigation system. Will repairs be necessary in these medians?

Answer: The irrigation is in working order at this time. Contractor is responsible for amending the existing irrigation system to provide 100% coverage of all new plantings and ensure that spray patterns not encroach into adjacent drive lanes (refer to Irrigation Note 1 on Sheet D1). Repair of existing irrigation damaged during construction will be the responsibility of the Contractor.

3. Having read addendum #1, please clarify on page 72 of the bid document says that this contract shall be a FDOT certified contractor or an experienced contractor that meets the requirements stated on this page. Addendum #1 suggests requirements are considerably less than stated in item 4 on page 72 of specifications.

Answer: Addendum No. 1 one clearly states that Vendors must meet all minimum qualifications in exhibit "D" section 7 of the Joint Participation agreement found on page No. 150 of ITB# 17-17. This section says that the local government (meaning the City) shall hire a prequalified contractor or the local government may hire an experienced qualified contractor that has specific expertise and experience in performance of Roadway Landscape Projects.

4. To clarify all sod in all medians including medians north of Fleming which are currently irrigated are to be stripped and re-sodded.

Answer: Correct, all sod is to be stripped and re-sodded.

5. Is a "Goulds Aquavar" VFD controller acceptable for use with the well and pump as no specific VFD is specified?

Answer: Goulds Aquavar VFD controller is acceptable.

6. The plans call for 45 – 100 gallon Muskogee Crape, and due to the availability of 100 gallon crape, can these be changed to FG (everyone including the job would benefit from this change)?

Answer: The specification for the Crape Myrtles remains unchanged.

7. What is the estimated cost of the project?

Answer: \$525,000.00

8. When will the project start?

Answer: The anticipated bid award will be in March and the estimated project start date is in March.

9. Do we need FDOT qualifications?

Answer: If you're prequalified with FDOT please check item 3 on the Experience in Landscaping form, this meets the experience and landscaping requirement. If you are not prequalified, you must provide the required information listed under items 1 and 2 on the Experience in Landscaping form which includes a minimum of five (5) years of experience

in the active performance of roadway landscape work and written endorsements from 2 separate Florida Registered Landscape Architects.

10. Is the contractor responsible for calculating their own cubic yards of dirt required to fill in holes left after clearing, grubbing and tree removal?

Answer: Yes, the Contractor is responsible for calculating their own cubic yards.

11. Is the contractor going to have to submit soil samples to the City?

Answer: No, soil samples are not required to be submitted. However, soil will need to meet the requirements of landscape notes 8 & 9 on sheet D-1.

12. Prior to the bid, can a potential contracted vendor coordinate for the flagging of utilities to ensure there are no conflicts with the plans?

Answer: If the utilities company will locate for you without a contract, then this will be acceptable.

13. Are all the utilities included in the plans?

Answer: Not all of them are shown on the plans. The contracted vendor must call Sunshine One Call of Florida and Volusia County Traffic Engineering. Please note, Volusia County is not on the One Call system. Refer to note 3 on sheet D-1 for contact numbers.

14. Will work be allowed during the day time?

Answer: There are lane closure restrictions that are included on sheet D-1.

15. What is the project timeline?

Answer: Substantial completion will be 120 calendar days with final completion being 150 calendar days from the Notice to Proceed.

16. Is the contractor responsible for water usage of existing irrigation?

Answer: The City will bear the cost of the existing irrigation. However, there will be temporary irrigation needed for the landscaping around the monument sign located on the east side of the road just north of the Rose Bay Bridge (refer to sheets LA1 and IR1); you'll have to figure out how to water that during the establishment period.

17. In regard to the temporary irrigation, is there permanent irrigation in the median adjacent to the place where temporary irrigation needs to be provided?

Answer: Currently, there is not, but there will be with this project. The closest median that will be irrigated starts just north of E. Bayshore Drive.

18. Who's the Construction, Engineering and Inspection (CEI) Firm?

Answer: The contract for CEI has not been awarded yet.

19. I do not see a line item for the mulch, what is the quantity and where should it be listed in the bid items?

Answer: The quantity is to be tabulated by the contractor to provide a minimum 3" depth for the width and length of each bedline as shown on the plans, individual trees are to have a 5' mulch ring as stated in Landscape Note 3 on Sheet D1. The cost of mulch should be included in the unit cost of each type of plant.

20. On plan sheet D-1 #3 Date Palm Tree Planting detail. Shows we are to back fill with sand and also on the same detail it shows that a 2' depth outside the palm pit. What size area outside the pit and what type of sand?

Answer: Disregard the 2' depth outside the plant pit. Within the plant pit, backfill with free draining soil or sand such as builders sand.

21. Sheet D-1 #19 Maintenance: We are to maintain the maintenance for 180 days after final acceptance and on bid sheet item #31 Alt. Maintenance for one year. Will this be and additional one year after the 180-day period?

Answer: Bid sheet line number 31 is for increasing the maintenance from 180 days to one year (cost of an additional six months).

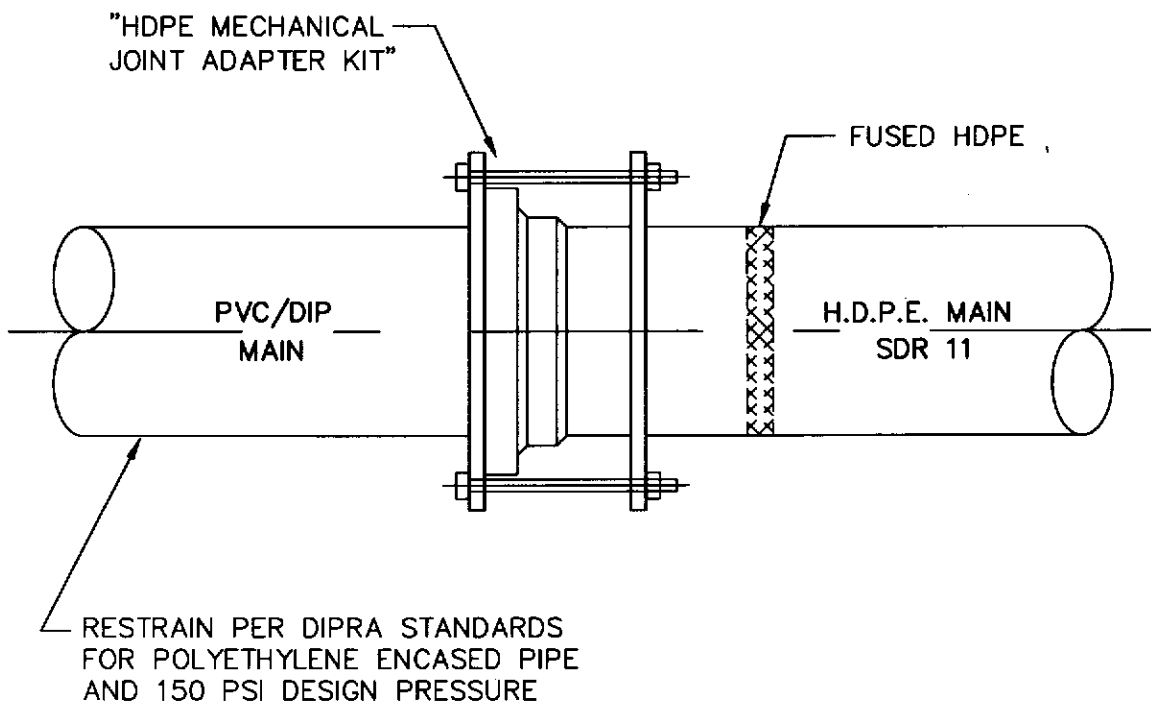
22. Are we to maintain FL #1 Grades AND Standards on all plant material for during the maintenance period?

Answer: Plant material should be Florida #1 at time of planting, or have such corrective pruning or work done, after planting, as required to meet that standard. For the remainder of the maintenance period, the tasks shown on Sheet MP-1 will need to be followed. Replacement plants need to be Florida #1 also.

In all other respects, except as specifically stated herein, the subject ITB #17-17 remains unchanged.

END OF ADDENDUM NO. #3





NOTE:

1. THE MJ ADAPTER KIT CONSIST OF:
 - HDPE-MJ ADAPTER WITH METAL INSERT
 - METAL GLAND
 - GASKET
 - ATTACHMENT BOLTS AND NUTS.



STANDARD CONSTRUCTION DETAIL
P.V.C. TO H.D.P.E.
RESTRAINED JOINT

REV. 12/08

FILE NAME:

W14.DWG

DETAIL REF:

W-14

FORM 7.4 – DRUG FREE PREFERENCE STATEMENT

IDENTICAL TIE BIDS - Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids, proposals, statements, or replies that are equal with respect to price, quality, and service are received by the city for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program.

In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of Section 287.087, Florida Statutes.

As an authorized representative of the firm, I certify that this firm complies fully with the above requirements.

C+L Landscape Inc.
Name of Business

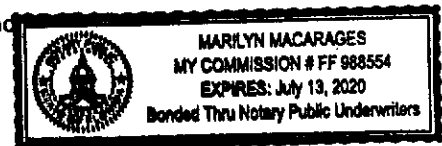
By: Tana Hamburger
Printed Name: Tana Hamburger
Title: President

STATE OF Florida
COUNTY OF Duval

Sworn to (or affirmed) and subscribed before me this 15 day of February, 20 17 by
Tana Hamburger as President of
(NAME) (TITLE)
C+L Landscape Inc. and who
(NAME OF ORGANIZATION)

[Notary: Please select one]

- ☒ is personally known to me; or
☐ has produced _____ as identification.



Marilyn Macarages
Notary Public, State of Florida

This document must be completed and returned with your Submittal

Printed, typed or stamped name, commission and expiration:

FORM 7.5 – SWORN STATEMENT UNDER SECTION 287.133(3)(A), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

(To be signed in the presence of notary public or other officer authorized to administer oaths.)

Before me, the undersigned Authority, personally appeared affiant Tana Hamburger, being by me first duly sworn, made the following statement:

1. The business address of C+L Landscape Inc. (name of Offeror or business) is 1601 E. Duval Street Jax. FL 32202.
2. My relationship to C+L Landscape Inc. (name of Offeror or business) is president (relationship such as sole proprietor, partner, president, vice president).
3. I understand that a public entity crime as defined in Section 287.133 of the Florida Statutes includes a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity in Florida or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any proposal or contract for goods or services to be provided to any public entity or such an agency or political subdivision and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy or material misrepresentation.
4. I understand that "convicted" or "conviction" is defined by the Florida Statutes to mean a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilt or nolo contendere.
5. I understand that "affiliate" is defined by the Florida Statutes to mean (1) a predecessor or successor of a person or a corporation convicted of a public entity crime, or (2) an entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime, or (3) those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate, or (4) a person or corporation who knowingly entered into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months.
6. Neither the Offeror or contractor, nor any officer, director, executive, partner, shareholder, employee, member or agent who is active in the management of the Offeror or contractor, nor any affiliate of the Offeror or contractor has been convicted of a public entity crime subsequent to July 1, 1989. (Draw a line through paragraph 6 if paragraph 7 below applies.)
7. There has been a conviction of a public entity crime by the Offeror or contractor, or an officer, director, executive, partner, shareholder, employee, member or agent of the Offeror or contractor who is active in the management of the Offeror or contractor or an affiliate of the Offeror or contractor. A determination has been made pursuant to Section 287.133(3) by order of the Division of Administrative Hearings that it is not in the public interest for the name of the convicted person or affiliate to appear on the convicted vendor list. The name of the convicted person or affiliate is _____ A copy of the order of the Division of Administrative Hearings is attached to this statement. (Draw a line through paragraph 7 if paragraph 6 above applies.)

C+L Landscape Inc.
Name of Business

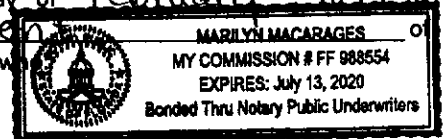
By: Tana Hamburger
Printed Name: Tana Hamburger
Title: President

STATE OF Florida
COUNTY OF Duval

Sworn to (or affirmed) and subscribed before me this 15 day of February, 2019 by Tana Hamburger, as President of C+L Landscape Inc. and with _____

[Notary: Please select one]

- ☒ is personally known to me; or
☐ has produced _____ as identification.



Marilyn Macarages
Notary Public, State of Florida

This document must be completed and returned with your Submittal

Printed, typed or stamped name, commission and expiration:

FORM 7.6 – ANTI-COLLUSION FORM

ANTI-COLLUSION STATEMENT BID FORM:

By signing this form, the Proposer agrees that this Bid is made without any other understanding, agreement, or connection with any person, corporation, or firm submitting a bid for the same purpose and that the bid is in all respects fair and without collusion or fraud.

SIGN in ink in the space provided below. Unsigned Bids will be considered incomplete, and will be disqualified, and rejected.

IT IS AGREED BY THE UNDERSIGNED VENDOR THAT THE SIGNING AND DELIVERY OF THE BID REPRESENTS THE VENDORS ACCEPTANCE OF THE TERMS AND CONDITIONS OF THE FOREGOING SPECIFICATIONS, CONTRACT AND PROVISIONS, AND IF AWARDED, THIS CONTRACT WILL REPRESENT THE AGREEMENT BETWEEN THE VENDORS AND THE CITY OF PORT ORANGE.

NAME OF FIRM: C+L Landscape Inc.

SIGNED BY: Tana Hamburger President
(MUST BE SIGNED BY A COMPANY OFFICER OR AUTHORIZED AGENT)

PRINTED SIGNATURE: Tana Hamburger

TITLE: President

ADDRESS: 1601 E. Duval Street

CITY: Jax STATE: Florida ZIP CODE: 32202

TELEPHONE: 904-353-6620 FAX: 904-355-5985

COMPLETION TIME: 150 days

F.E.I.N. NUMBER: 59-3205831

NO Bid may be withdrawn for a period of ninety (90) days subsequent to the submittal of the Bids, without the consent of the City of Port Orange.

NO BID (REASON): _____

This document must be completed and returned with your Submittal

The Vendor represents that the following persons are authorized to sign and/or negotiate contracts and related documents to which the Vendor will be duly bound:

(Authorized Signature)

Page 81 of 157

FORM 7.8 – STATEMENT OF VENDOR'S QUALIFICATIONS

The undersigned warrants that he or she is duly authorized to complete this document, and hereby affirms that the information contained in Form 7.8 is complete, true, and correct to the best of their knowledge and belief. If necessary, questions may be answered on separate paper and attached, with any additional information that may be pertinent.

- A. Name of Vendor. C+L Landscape Inc.
- B. Permanent main office address. 1601 E. Duval St. Jax. FL 32202
- C. Date organized. 10/13/93
- D. If a corporation, where incorporated. Florida
- E. How many years have you been engaged in the contracting business under your present firm or trade name? 35 yrs.
- F. Contracts on hand: (Schedule these, showing amount of each contract and the appropriate anticipated dates of completion.) see attached
- G. General character of work performed by your company. construction
- H.⁽¹⁾ Have you ever failed to complete any work awarded to you? If so, where and why? NO
- H.⁽²⁾ Provide list of any lawsuits or judgments filed by or against your company in the last three years, indicating the nature and outcome. N/A
- I. Have you ever defaulted on a contract? If so, where and why? NO
- J. List the more important projects recently completed by your company, stating the approximate cost for each and the month and year completed. see attached
- K. List your major equipment currently owned or leased. 2 dump trucks, 2-3/4 ton trucks, 1-F550 Ford, Loader, Bobcat, trenchers, compactors, water tanks
- L. Experience in work similar to this type of project. see attached
- M. Background and experience of the principal members of your organization, including the officers. see attached
- N. Credit currently available: \$ 250,000.00
- O. Give bank reference: Regions; Centerstate
- P. Will you, upon request, fill out a detailed financial statement and furnish any other information that may be required by the Owner? yes

(Form 7.8 Statement of Vendor's Qualifications – Page 2)

- Q. The undersigned hereby authorizes and requests any person, firm, or corporation to furnish any information requested by the Owner in verification of the recitals comprising this Statement of Vendor's Qualifications.

C+L Landscape Inc.
Name of Business

By: Tana Hamburger
Printed Name: Tana Hamburger
Title: President

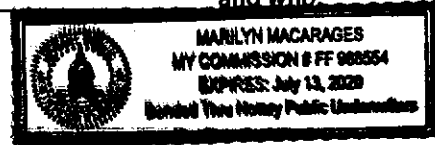
STATE OF Florida
COUNTY OF Duval

Sworn to (or affirmed) and subscribed before me this 15 day of February, 2017, by
Tana Hamburger, as President
of C+L Landscape Inc. and who:

[Notary: Please select one]

☒ is personally known to me; or

☐ has produced _____ as identification.



Marilyn Macarages
Notary Public, State of Florida
Printed, typed or stamped name, commission
and expiration:

This document must be completed and returned with your Submittal

C. & L. LANDSCAPE, INC.
P.O. BOX 23425 JACKSONVILLE, FLORIDA 32241
904-353-6620 FAX 904-355-5985

TANA A. HAMBURGER

12672 DEL RIO DRIVE
JACKSONVILLE, FLORIDA
32258
904-353-6620

EXPERIENCE SUMMARY

PRESIDENT OF C & L LANDSCAPE, INC.

TWENTY TWO YEARS EXPERIENCE IN LANDSCAPE DESIGN, IRRIGATION DESIGN, LANDSCAPE IRRIGATION INSTALLATION, IRRIGATION INSTALLATION, ESTIMATING PROJECTS AND GENERAL OFFICE PROCEDURE. SINCE THE DEATH OF SHIRLEY SMITH IN 2007, HER MOTHER, TANA HAS BEEN THE CHIEF FINANCIAL OFFICER.

EMPLOYMENT

SEPTEMBER 1993 TO PRESENT – C & L LANDSCAPE, INC.
JACKSONVILLE, FLORIDA

RESPONSIBLE FOR PROJECTS ESTIMATION, PROJECT BID PRICING, COORDINATING PROJECTS, FORMULATING AND ASSURING COMPLIANCE TO ADMINISTRATIVE POLICIES, SPECIFICALLY HIRING AND FIRING, AND FINANCIAL POLICIES FOR THE FIRM. OVERSEEING PROJECTS.

JUNE 1983 TO SEPTEMBER 1993 – C & L SPECIALTIES,
JACKSONVILLE, FLORIDA

WORKED PART TIME WHILE IN HIGH SCHOOL INSTALLING LANDSCAPING, LAWN MAINTENANCE, LEARNING OFFICE

C. & L. LANDSCAPE, INC.

P.O. BOX 23425 JACKSONVILLE, FLORIDA 32241

904-353-6620 FAX 904-355-5985

PROCEDURES, SPECIFICALLY PAYROLL, TAXES, INVOICING, ACCOUNTS RECEIVABLE AND ACCOUNTS PAYABLE. STARTED FULL TIME EMPLOYMENT IN JUNE 1987. DUTIES INCLUDED, PROJECT ESTIMATING, PARTICIPATING IN ALL PRE-BID CONFERENCES, LANDSCAPE AND IRRIGATION DESIGN, GENERAL OFFICE PROCEDURES, PAYROLL, TAXES, ACCOUNTS RECEIVABLE, AND ACCOUNTS PAYABLE.

EDUCATION

WOLFSON HIGH SCHOOL, JACKSONVILLE, FLORIDA,
GRADUATED 1985

FLORIDA COMMUNITY COLLEGE, JACKSONVILLE, FLORIDA,
ATTENDED JUNE 1985 THROUGH JUNE 1987

FLORIDA COMMUNITY COLLEGE, JACKSONVILLE, FLORIDA,
ATTENDING CLASSES PRESENTLY

CONTINUING EDUCATION THAT IS OFFERED THROUGH
SEVERAL JACKSONVILLE ENTITIES

C. & L. LANDSCAPE, INC.

P.O. BOX 23425 JACKSONVILLE, FLORIDA 32241
904-353-6620 FAX 904-355-5985

LESLIE H. SMITH

1275 LIME DRIVE
JACKSONVILLE, FLORIDA
32259

EXPERIENCE SUMMARY

VICE PRESIDENT OF C & L LANDSCAPE, INC.

TWENTY FOUR YEARS EXPERIENCE IN LANDSCAPE AND IRRIGATION DESIGN AND INSTALLATION, ASPHALT, FENCING, JACK & BORE, TREE TRIMMING, CONCRETE, PAVERS, AND RETAINING WALLS.

EMPLOYMENT

SEPTEMBER 1993 TO PRESENT – C & L LANDSCAPE, INC.
JACKSONVILLE, FLORIDA

RESPONSIBLE FOR COORDINATING WORK, SCHEDULES, PLANNING AND DESIGNING LANDSCAPE AND IRRIGATION, MEETING CLIENTS TO ASSURE PROJECTS RUN SMOOTHLY, CONSULTS AND ASSISTS MAJORITY IN ADMINISTRATION OF CORPORATION BUSINESS.

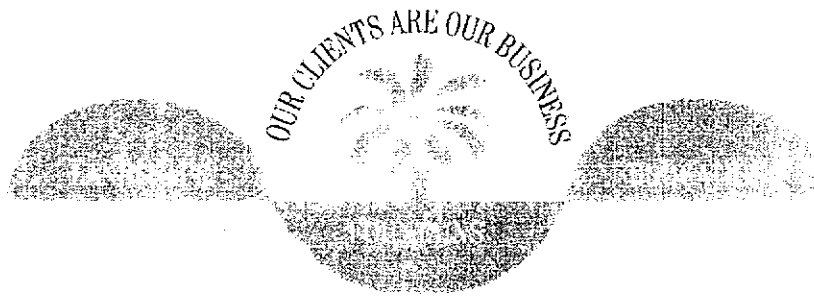
SEPTEMBER 1981 TO SEPTEMBER 1993 – C & L SPECIALTIES,
JACKSONVILLE, FLORIDA

DESIGN LANDSCAPE AND IRRIGATION, ESTIMATING PROJECTS, MEETING WITH CLIENTS, COORDINATING WORK SCHEDULES, INVOLVED IN LANDSCAPING OF 290 BUILDERS MODEL HOMES, DESIGN AND INSTALLATION OF LANDSCAPE AND IRRIGATION ON MORE THAN 3000 RESIDENTIAL HOMES FOR BUILDING CONTRACTORS, DESIGN OF LANDSCAPE AND IRRIGATION ON MANY COMMERCIAL SITES.

C. & L. LANDSCAPE, INC.
P.O. BOX 23425 JACKSONVILLE, FLORIDA 32241
904-353-6620 FAX 904-355-5985

EDUCATION

ENGLEWOOD HIGH SCHOOL
INSTRUCTOR - IRRIGATION COURSE
FLORIDA COMMUNITY COLLEGE/CONTINUING EDUCATION
FLORIDA LANDSCAPE CONTRACTOR



C & L Landscape, Inc.

Leslie H. Smith

Vice President of C & L Landscape, Inc.

Experience Summary

Twenty-four years experience in landscape and irrigation design and installation, asphalt, fencing, jack & bore, tree trimming, concrete, pavers, and retaining walls.

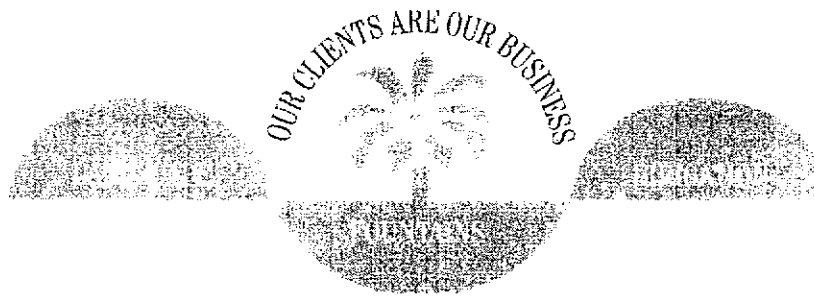
Employment

September 1993 to Present – C & L Landscape, Inc.
Jacksonville, Florida

Responsible for coordination work, schedules, planning and designing landscape and irrigation, meeting clients to assure projects run smoothly, consults and assists in administration of corporation business.

September 1981 to September 1993 – C & L Specialties
Jacksonville, Florida

Design landscape and irrigation, estimating projects, meeting with clients, coordinating work schedules, involved in landscaping of 290 builder's model homes, design and installation of landscape and irrigation on more than 3,000 residential homes for building contractors, design of landscape and irrigation on many commercial sites.



C & L Landscape, Inc.

Work Experience

Supervisor on the following jobs

Hyatt Regency Jacksonville Riverfront -

Contracts totaling \$235,000

Built a bagel shop (Einstein Bagel) in the Hyatt, constructed stairs, remodeled bathrooms, concrete work in the parking garage, installed carpet, remodeled offices.

The Ritz-Carlton at Amelia Island -

Contract - \$160,000

Constructed a boardwalk with lighting, concrete work, underground utility work.

Separate contract for

Contract - \$300,000

Landscape installation and irrigation work

City of Deltona, Campbell Park

Contract - \$519,639

Constructed boat dock, boardwalks, two story overlook pavilion, playground, lighting, floating docks, gazebo, additional pavilion, tennis court, canoe rental building.

Williams Industrial-

Contract - \$300,000

Drains, site work, and landscaping.

E.C. Kenyon, Walton Home Project

Contract - \$225,000

St. Vincent's Hospital

Contract - \$125,000

Erected statues and concrete work. Additional contracts throughout the last three years.

St. Luke's Hospital

Contract - \$30,000

Statue and concrete work.



C & L Landscape, Inc.

Jacksonville Electric Authority

Contract - \$689,800

Landscape maintenance

Contract - \$150,000

JEA, Pelotes Island - site work and bridgework.

Additional contracts included cafeteria remodel, work in the building, kitchen, offices, etc.

Contract - \$350,556

JEA, Cedar Bay Water Treatment Plant - Installation of irrigation system for JEA Water Reclamation Facilities

San Juline Condos

Contract - \$185,000

Flagler County

Contract - \$267,250

Construction of national scenic byways park improvements at River to Sea Preserve, Bing's Landing, and Silver Lake.



C & L Landscape, Inc.

Troy Kruse
Project Manager at C & L Landscape, Inc.

This letter is concerning C & L's work history with Troy Kruse.

Troy has been a devoted employee since January 1994. Troy's work experience and responsibilities have been many of the past years. He has been a crew chief, estimator, manager, supervisor, as well as project coordinator on large projects.

Troy coordinates the materials being used and work schedules for his men. Troy can also do layouts and design.

Attached you will find a reference list of projects on which Troy has worked. He was the project manager or supervisor on all of the projects. Troy has also performed hand on work as well on many of these projects. There is not much Troy Kruse cannot do. We have complete trust in Troy.



C & L Landscape, Inc.

Work Experience

Project manager on the following jobs

Hyatt Regency Jacksonville Riverfront –

Contracts totaling \$235,000

Built a bagel shop (Einstein Bagel) in the Hyatt, constructed stairs, remodeled bathrooms, concrete work in the parking garage, installed carpet, remodeled offices.

The Ritz-Carlton at Amelia Island –

Contract – \$160,000

Constructed a boardwalk with lighting, concrete work, underground utility work.

Separate contract for

Contract – \$300,000

Landscape installation and irrigation work

City of Deltona, Campbell Park

Contract – \$519,639

Constructed boat dock, boardwalks, two story overlook pavilion, playground, lighting, floating docks, gazebo, additional pavilion, tennis court, canoe rental building.

Williams Industrial-

Contract – \$300,000

Drains, site work, and landscaping.

E.C. Kenyon, Walton Home Project

Contract – \$225,000

St. Vincent's Hospital

Contract – \$125,000

Erected statues and concrete work. Additional contracts throughout the last three years.

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Contract – \$30,000

Statue and concrete work.



C & L Landscape, Inc.

Jacksonville Electric Authority

Contract - \$689,800

Landscape maintenance

Contract - \$150,000

JEA, Pelotes Island - site work and bridgework.

Additional contracts included cafeteria remodel, work in the building, kitchen, offices, etc.

Contract - \$350,556

JEA, Cedar Bay Water Treatment Plant - Installation of irrigation system for JEA Water Reclamation Facilities

San Juline Condos

Contract - \$185,000

Flagler County

Contract - \$267,250

Construction of national scenic byways park improvements at River to Sea Preserve, Bing's Landing, and Silver Lake.



Current Contracts on Hand

Jacksonville Airport Authority - Irrigation Contract # 16-01-45123 on going
\$104,400.00

City of Jacksonville - Annual Dock Maintenance Contract # PO 502668 12-4-
2015 \$120,100.00

St. Johns County School District - Contract #2014-16 as needed basis 12-2014 for
3 years

City of Jacksonville - Risk Management -As Needed

Shingle Creek Regional Trail North Phase 1 - Contract # BA 2014-004
\$2,873,989.00

E2T98- Financial Project #43195515201 \$3,146,997.99



P.O. Box 23425 Jacksonville Florida 32241
904-353-6620
fax:904-355-5985
3-23-2016

Contracts on hand the last five years

Jacksonville Airport Authority -irrigation contract #09-13-45133 09-2009-to 12-2014
\$110,592.00

City of Jacksonville – Dock Maintenance P.O. #103542 09-2009 to 12-2015 \$350,525.00

Jacksonville Electric Authority – Restoring small disturbed areas citywide P.O. #128303 09-2011 to 10—2014 \$450,233.00

St. Johns County School District – Contract # 2011-45 As needed basis 12-2011 to 12-2014
\$89,437.00

Riverside Park Improvements – Contract # 567895-1109 12-2013 \$1,026,000.00

City of Jacksonville -Risk Management – As needed

City of Kissimmee - Shingle Creek Regional Trail North Phase # 1 Contract #BA2014-004
\$2,873,989.00

FDOT Beach Blvd Contract #E2T98 Financial project #43195515201 Jim Brown 386-758-3778 \$3,146,977.99

FDOT Jim Brown 386-758-3778 Contract #E2U54 Fin project # 42526717272 \$54,051.00

Baldwin Park -Ride – JTA Project Peter 904-621-7046 (Kirby Development) \$11,893.00

City of Jacksonville – St Johns River Bulkhead Replacement Phase #1 CP-0022-15 JSC- 0630-14 Dan Pearson 904-255-8815 \$758,545.54



C & L Landscape, Irrigation, & Building

P.O. Box 23425, Jacksonville, FL 32241

904-353-6620

Fax 904-355-5985

REFERENCES:

JACKSONVILLE ELECTRIC AUTHORITY
RESTORATION CONTRACT FOR THE LAST 8 YEARS
CHRIS RICHER- 665-4447
PHILIP DONALDSON – 665-8403

NIA TERRACE
2045 JAMMES ROAD
JACKSONVILLE, FLORIDA
KAY BASAR
904-781-2664

JOHN WIELAND HOMES AND NEIGHBORHOODS
ADAM ANDERSON
535-0705
JACKSONVILLE, FLORIDA

CITY OF DELTONA
CAMPBELL PARK IMPROVEMENT PROJECT
MARY PEREZ, BUYER
1-386-878-8571
DELTONA, FLORIDA

FLAGLER COUNTY, AMY KENNEDY, ENGINEERING
386-313-4047
1769 EAST MOODY BLVD. BUNNELL, FL
RIVER TO SEA PRESERVE IMPROVEMENTS AND BINGS LANDING



C & L Landscape, Irrigation, & Building

P.O. Box 23425, Jacksonville, FL 32241

904-353-6620

Fax 904-355-5985

REFERENCES:

JACKSONVILLE ELECTRIC AUTHORITY

SEVERAL REMODELING JOBS

MATT POTEET-665-6274

CHRISTINE MORTON – 866-8769

PATRICK MCHUGH -665-4140

HYATT HOTEL ON THE RIVER

REMODEL JOBS

LEON HARRIGAN – 634-4590

LARRY HOLLENBACH – 982-0655

BRIDGE TERMINAL TRANSPORT

CHRISTOPHER THOMAS

CONSTRUCTED AN AIR CONDITIONED GUARD SHACK

904-696-1818

CITY OF OCOEE

150 N.LAKESHORE DR

OCOEE, FL

CENTRAL PARK BOARDWALK

CITY OF ST.AUGUSTINE

LONDON TRACK BOARDWALK



C & L Landscape, Irrigation, & Building

P.O. Box 23425, Jacksonville, FL 32241

904-353-6620

Fax 904-355-5985

Minor Bridge Repair & Replacement

@ Pelote's Island \$135,000.00

Williams Industrial
Shawn Landrum
contact # 904-696-9994
slandrum@wisgrp.com

Hot Plant- Mixed Bitum. Courses and Asphalt

@ Greenlawn Cemetery \$70,000.00
Regraded and repaved cemetery roads

Contact Hardage Funeral Homes
904-396-2522

Debris and Removal

@ 18 year contract to remove debris and repair disturbed areas around the city of
Jacksonville Average: \$1,000,000.00 per year

JEA purchasing department
Elizabeth Moore
904-665-8275

Drains, Underground Utilities, and Seawalls

@ New Smyrna Beach, Florida \$1,000,000.00
Riverside Park Seawall, pier, and lighting replacement

Contact: Kyle Fegley
386-424-2168

File Driving/Retaining Wall/Rip Rap/Seawall

Maintenance of existing docks and new installation ongoing: \$150,000.00- \$500,000.00

City of Jacksonville
Contact: Jim Suber
904-630-0839

Tree Removal/Trimming/Fencing/Landscaping

City of Jacksonville, Risk Management Division on going per quote
Contact: Fatima Conrad
904-630-2358

Sidewalks/Driveways/Curbs/Gutters/Handrails/Retaining Walls/Fencing/Landscaping

JEA Projects Completed many jobs in a five year period. The jobs range in price.
Contact: Kris Reed
904-476-9692



City of New Smyrna Beach

April 29, 2014

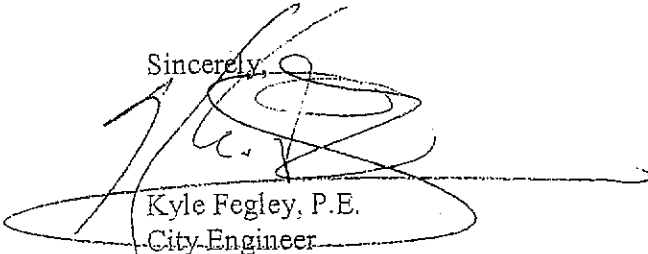
RE;PROJECT # 567895-1109

To Whom It May Concern:

The City of New Smyrna Beach (City) embarked upon a substantial improvement project at Riverside Park and selected C&L Landscape (C&L) as the most qualified and responsive bidder to do so. The infrastructure upgrades although multi-faceted did primarily entail marine related improvements under the project entitled Riverside Park Seawall, Pier & Lighting Replacement project. Such improvements involved complete removal and replacement of the seawall cap, and supporting system (i.e. deadman, tie-rods, sealed joints, etc.), demolish & replace wood fishing piers/decking, implementation of an ADA accessible floating dock, relocate reclaimed water main, place decorative sidewalks, install & wire ornamental lighting, repair irrigation system, landscaping and general site restoration services. Several of the lead personnel including Leslie Smith and Troy Kruse were truly instrumental for the success of the project. C&L not only provided the technical expertise, but the administrative services and ability to work with the City to safely maintain access to the majority of the Park to the residents, address nearby homeowner concerns, facilitate continuous operations of the Community Center directly adjacent to the work site all while adhering to permit conditions and meeting the overall project deadline.

It is with the aforementioned experience that I endorse C&L for similar projects that any City, County, State or private organization may be considering their services. Certainly further details regarding our particular project and recommendation may be directed to my attention at the below listed contact information. Amount of project \$956,318.00

Sincerely,



Kyle Fegley, P.E.

City Engineer

Ph. (386) 424-2168

kfegley@cityofnsb.com

REFERENCES:

CITY OF NEW SMYRNA BEACH, FLORIDA
RIVERSIDE PARK SEAWALL, PIER, AND LIGHTING REPLACEMENT
CITY PROJECT #567895-1109
KYLE FEGLEY - 386-424-2168
210 SAMS AVE.
NEW SMYRNA BEACH, FL 32168
PROJECT ADDRESS: 105 SOUTH RIVERSIDE DR.

Form 7.9 Professional References for Previous Experience in Landscaping

850-070-09
MAINTENANCE - 01/16

This Form is for the Bidder to list Work Experience.

Art Landscaping Inc FM-437858-158-01 59-3205831

Bidder's Name (Print Company name)

Contract ID

Bidder's FEID Number

Experience in Landscape Installation, Establishment and Maintenance is required to bid on this project as defined below.

- 1) For this Contract, the contractor or Contract Project Manager is required to have at least five (5) years of experience in the active performance of roadway landscape work. Landscape work includes, but is not limited to, the acquisition, installation, establishment of plant materials, sod and irrigation systems for public roadways, but specifically excludes single family residential landscape and sod work. In order for the Contractor to be responsive, this Form must be filled out and submitted with the bid to the District Contract Administrator. This form must be signed by the owner of the company or a company officer and dated in the space provided on this form.
- 2) The contractor must provide independent written endorsements from two (2) separate Florida Registered Landscape Architects on company letterhead. These endorsements shall attest to the Florida Registered Landscape Architect's support of the contractor's skills, efficiency, and competence. Each Florida Registered Landscape Architect shall sign the endorsement, provide their license number, and include the following:
 - a) Project name with a brief description that evaluates the landscape work performance
 - b) Location of the project (city, state)
 - c) Professional substantiation of the contractor's skills, efficiency, and competence
- 3) A contractor presently prequalified with the Department in "Landscaping" will suffice to meet the above requirements. If the contractor is prequalified as stated, mark an "X" in this space (☒) and Sign and Date below.

LIST COMPANY'S ROADWAY LANDSCAPE EXPERIENCE

Project Name/Number	Project Location (City, State)	Description of Landscaping Work Performed	Owner/Contact Name Contact Phone Number	Prime or Sub	Beginning Mo / Year	Contract Duration
						Days
						Days
						Days
						Days

Continued.

850-070-09

LIST ADDITIONAL COMPANY EXPERIENCE

Project Name/Number	Project Location (City, State)	Description of Landscaping Work Performed	Owner/Contact Name Contact Phone Number	Prime or Sub	Month/ Year	Contract Duration
						Days
						Days
						Days
						Days
						Days
						Days
						Days
						Days
						Days

LIST PROJECT MANAGER'S EXPERIENCE

Project Name/Number	Project Location (City, State)	Description of Landscaping Work Performed	Owner/Contact Name Contact Phone Number	Prime or Sub	Month/ Year	Contract Duration
						Days
						Days
						Days

Continued.

LIST ADDITIONAL PROJECT MANAGER'S EXPERIENCE

Project Name/Number	Project Location (City, State)	Description of Landscaping Work Performed	Owner/Contact Name Contact Phone Number	Prime or Sub	Month/ Year	Contract Duration
						Days
						Days
						Days
						Days
						Days
						Days
						Days
						Days
						Days
						Days
Tana Hamburger President			Tana Hamburger President		2/15/2017	
Print Name of the Owner or Company Officer			Signature of the Owner or Company Officer			

Experience will be calculated by totaling the number of Contract Days listed on the form, and dividing by 365 to determine the number of years of experience in performing the work.

FORM 7.10 – LISTING OF SUBCONTRACTORS

The Vendor proposes that the following subcontractors are qualified to perform the referenced work and have successfully done so on recent projects similar in nature and size. All subcontractors whose work product accounts for 5% or more of the total contract value shall be listed. Upon approval of subcontractors listed, the successful Vendor shall not substitute subcontractors without approval from the Engineer. Vendor shall attach additional sheets as necessary.

Subcontractor No. 1

Name: Coastal Cable
Description of Work: Boring
Percent of Contract Price: \$20,900.00 - .036%
Previous Experience Together: Yes/No

Subcontractor No. 2

Name: Hardyark Tree Service
Description of Work: Tree Removal
Percent of Contract Price: \$3,500.00 - .006%
Previous Experience Together: Yes/No

Subcontractor No. 3

Name: Schmidt's Well Drilling
Description of Work: Well + pump
Percent of Contract Price: \$7,500.00 - .013%
Previous Experience Together: Yes/No

Subcontractor No. 4

Name: _____
Description of Work: _____
Percent of Contract Price: _____
Previous Experience Together: Yes/No _____

Subcontractor No. 5

Name: _____
Description of Work: _____
Percent of Contract Price: _____
Previous Experience Together: Yes/No _____

This document must be completed and returned with your Submittal

FORM 7.11 – VENDOR APPLICATION



**City of Port Orange
Vendor Application**

City of Port Orange

Date:

Attn: Purchasing Division
(386) 506-5704
purchdiv@port-orange.org
1000 City Center Circle
Port Orange, FL 32129

FIRM NAME: Ct L Landscape Inc.
ADDRESS: 1601 E. Duval Street
CITY: Jacksonville STATE: FL ZIP CODE: 32202

If remittance payment address is different than application or W9 please fill out below:

ADDRESS: P.O. Box 23425 Jax. FL 32241
TEL. # (including area code): 904-353-6620 FAX # 904-355-6985
SIGNATURE PERSON FILING APPLICATION: Tana Hamburger
PRINTED NAME: Tana Hamburger
TITLE: President

FEDERAL I.D. (F.E.I.N.) # 59-3205831
E-MAIL ADDRESS: tana@cllandscape.com
(Authorized Company Representative)

COMPANY STATUS:
INCORPORATED: ☒ Y ☐ N State Incorporated: Florida Year: 1993
TYPE OF ORGANIZATION: ☐ Indiv. ☐ Partnership ☒ Corp. ☐ Non-Profit ☐ LLC

ATTORNEY TRUST ACCOUNT NAME: _____

INSURANCE: Proof of adequate coverage for professional general liability, errors and omissions and workers' compensation may be required for certain types of procurements.

☐ Check this box to waive insurance requirements **only** if you are providing goods for F.O.B destination with no installation services.

*** NOTE TO VENDORS***

The City of Port Orange, Florida does not maintain a prospective vendor's list, classified by commodities for the purpose of inviting sealed bids and quotation.

The City utilizes DemandStar www.demandstar.com to release Bids/RFP's and quotes. While the City advertises the Invitation to Bid in the local newspaper (Daytona News Journal) only in rare cases does the City mail out announcement notices to vendors. Vendors interested in becoming a member of DemandStar may visit their web site at: www.demandstar.com or by calling them at 1-800-711-1712.

Vendors will automatically receive notice of request for Bids/RFP's or quotes after they sign up on DemandStar. It is important that vendors sign, complete and return this application. Also include the W-9 and insurance information requirements in order for the City to assign a vendor number on our computer system.

It is also the vendor's responsibility to keep the Purchasing Division informed as to any change of address or insurance that may occur.

If your company is interested in bidding on commodities/services in addition to those specified, on any specific article related to the main category, insert the type of those materials on the blank space provided for each category group. Attorney services are secured by direct telephone quotes or written price inquiries.

Drug Free Workplace: A statement as to whether or not your firm has implemented a drug-free workplace program, as described in Section 287.087 of the Florida Statutes should be noted. Failure to respond in affirmative to this request will not disqualify you from consideration. Preference will be given to firms which have implemented a drug-free workplace program in the case where the City has received two or more bids what are equal with respect to price, quality, and service.

Equal Employment Opportunity (EEO). All vendors will be required to make an affirmative statement as to their support of all applicable equal opportunity affirmative action requirements. A copy of the City's Equal Employment Opportunity statement (EEO) will be available to the vendor upon request.

I **certify** that the information supplied herein is correct and that neither the applicant nor any person (or concern) in any connection with the applicant as a principal or officer, so far as is known, is now disqualified from the public contracting and purchasing process by any agency of the federal government, the State of Florida or the City of Port Orange.

Signature of Person Completing Form: Tana Hamburger
Printed/Types Name: Tana Hamburger Title: President
Commodity/Services All areas of Construction

This document must be completed and returned with your Submittal

W-9 Form

Form W-9
(Rev. January 2011)
Department of the Treasury
Internal Revenue Service

**Request for Taxpayer
Identification Number and Certification**

Give Form to the
requester. Do not
send to the IRS.

Name (as shown on your income tax return)
C.L. Landscape Inc.

Business name/disregarded entity name, if different from above

Check appropriate box for federal tax classification (required): ☐ Individual/sole proprietor ☒ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, Partnership)* _____

☐ Other (see instructions)* _____

Address (number, street, and apt. or suite no.)
1601 E. Duval Street

City, state, and ZIP code
Jax. FL 32202

List account number(s) here (optional)

Requester's name and address (optional)

Exempt payee
☐

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number
[] [] [] - [] [] [] - [] [] [] [] [] []

Employer identification number
[] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

59-3205831

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out Item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here Signature of U.S. person = Jana Hampton Date = 2/16/17

This document must be completed and returned with your Submittal

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
 - A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
 - An estate (other than a foreign estate), or
 - A domestic trust (as defined in Regulations section 301.7701-7).
- Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

[Remainder of this page left intentionally blank]

FORM 7.12 – LOCAL BUSINESS AFFIDAVIT OF ELIGIBILITY

City of Port Orange

This declaration is executed under penalty of perjury of the laws to the United States and State of Florida

THIS AFFIDAVIT IS SUBMITTED IN REFERENCE TO THE FOLLOWING SOLICITATION:

RFSQ/RFP/ITN/BID/CONTRACT/PROJECT # (as applicable): 437858-1-58-01

BUSINESS NAME: C+L Landscape Inc.

CONTACT PERSON/TITLE: Tana Hamburger President

MAILING ADDRESS: P.O. Box 83425

CITY-STATE-ZIP: Jax. FL. 32241

Length of Time at Address Provided: 25 yrs

Physical Presence of Business: ☒ Headquarters, ☐ Manufacturing Facility, or ☐ Locally Owned Franchise

And within Legal Boundaries: ☐ The City of Port Orange ☐ Volusia County ☒ The State of Florida

FEIN (Federal Employer Identification Number): 59-3205831

BUSINESS STRUCTURE: ☒ Corporation ☐ LLC ☐ Partnership ☐ Sole Proprietorship
☐ Other (Specify): _____

PHONE NUMBER: 904-353-1620 FAX: 904-355-5985

EMAIL: tana@cclandscape.com

****Please attach a valid business tax receipt, or other such documentation****

ATTESTATION – I understand that:

- In accordance with City Of Port Orange City Code 2-275, local businesses shall have five (5) business days from bid/proposal opening to submit a best and final bid for evaluation. To qualify: A Port Orange business initial bid must be within (8%) of the lowest and best responsible bid from a non-Port Orange business; A Volusia County business initial bid must be within (5%) of the lowest and best responsible bid from a non-Volusia County business; A State of Florida business initial bid must be within (3%) of the lowest and best responsible bid from a non-State of Florida business.
- A local business must have its headquarters, manufacturing facility, or locally owned franchise located within the legal boundaries of the City of Port Orange, Volusia County, or the State of Florida, as indicated herein, for at least twelve (12) months prior to the bid or proposal opening date and a valid business license, issued by the corresponding government agency. Post office boxes are not verifiable and shall not be used for the purpose of establishing said physical address. Bidders shall attach to this affidavit of eligibility with a bid or proposal, a copy of a valid business tax receipt or such other documentation, to the city's satisfaction, demonstrating the physical business presence of the firm within corresponding local limits.
- The preference does not apply to goods or services exempted by statute or prohibited by Federal law, State law, or other funding source restrictions.
- The preference established in this policy does not prohibit the right of the City, or other authorized purchasing authority, to compare quality or fitness for use of supplies, materials, equipment and services proposed for purchase and compare qualifications, character, responsibility and fitness of all persons, firms or corporations submitting bids or proposals.
- The information contained herein may be subject to verification.
- A vendor who misrepresents the local preference status of its firm in a proposal or bid submitted to the City of Port Orange will lose the privilege to claim local preference status, and shall lose eligibility to claim local preference for a period of one (1) year. The City Manager may also recommend that the firm be referred for debarment.

BEFORE ME; the undersigned authority, in and for the State of Florida and the City of Port Orange personally appeared Tana Hamburger who, after being sworn according to law, stated that he or she was authorized to represent C+L Landscape Inc. and to execute this affidavit on behalf of the said Business Entity and attests, under penalty of perjury, to the above.

(Form 7.12 – Local Business Affidavit of Eligibility – Page 2)

SWORN AND SUBSCRIBED BEFORE ME

Marilyn Macarages
SIGNATURE OF NOTARY PUBLIC

THIS 16 DAY OF February, 2017
My Commission Expires: July 13, 2020

Tana Hamburger 2/16/17
SIGNATURE OF AFFIANT DATE

Tana Hamburger President
PRINTED NAME OF AFFIANT / TITLE

C+L Landscape Inc.
COMPANY

NOTARY SEAL



This document must be completed and returned with your Submittal

FORM 7.13 – CERTIFICATE AS TO CORPORATE PRINCIPAL

I, Tana Hamburger, certify that I am the President / secretary of the corporation named as Principal in the within Bid Bond; that Tana Hamburger, who signed the said Bid Bond on behalf of the Principal, was then of said corporation; that I know his signature, and his signature thereto is genuine; and that said Bid Bond was duly signed, sealed and attested for in behalf of said corporation by authority of its governing body.

Tana Hamburger
Signature

AFFIX CORPORATE SEAL

This document must be completed and returned with your Submittal



**"ATTACHMENT 1" ITB 17-17 SCHEDULE OF UNIT PRICING
BID FORM (REVISED PER ADDENDUM 2)**

**CITY OF PORT ORANGE
LANDSCAPING IMPROVEMENTS ON STATE RD 5/US1/RIDGEWOOD AVENUE FM#437858-1-58-01**

ITB# 17-17

Completed Attachment 1 Bid Proposal form **MUST** be included with Bid Submission

Instruction to save Attachment from website:

Perform "File Save As" and save spreadsheet to your computer.

Fill in pricing in highlighted cells, preferably electronically.

Bidders are required to complete all fields shaded in green. All other fields will be automatically calculated.

NAME OF BUSINESS:

CONTACT PERSON:

EMAIL ADDRESS:

AUTHORIZED SIGNATURE:

[Redacted Business Information]

[Redacted Contact Information]

[Redacted Email Address]

[Handwritten Signature]

ITEMS 1-4 ARE NOT INCLUDED IN THE BASE BID. UNIT PRICING ITEMS 5-21 TO INCLUDE INSTALLATION OF THE IRRIGATION COMPONENT IS REQUESTED AND MUST BE SUBMITTED.					
1	Mobilization	1	LS		\$ 70,000.00
2	Maintenance of Traffic	1	LS		\$ 8,000.00
3	Clearing and Grubbing (Includes Tree Removal)	1	LS		\$ 32,070.00
4	Irrigation System (Lump Sum)	1	LS		\$ 134,372.00
5	Rain Bird 5004 MPR (purple cover)	1	EA		
6	Nibco T113 2" Isolation Valve in 10" Valve Box	1	EA		
7	Rain Bird PEB 1.5" valve in 12" Valve Box	1	EA		
8	Toro 570Z 6" Pop-up spray head	1	EA		
9	Toro 570Z 12" Pop-up spray head	1	EA		
10	Toro FB-25 Bubbler	1	EA		
11	Hunter IC-600-PP with Dual 48M Two Wire Module	1	EA		
12	Hunter Solar Sync Weather Sensor	1	EA		
13	4" well w/ 7.5hp submersible pump per specs	1	EA		
14	HDPE 3608 3" and 1" Road Crossing	1	LF		
15	Irrigation Mainline: PVC 3" Class 200 SDR 21	1	LF		
16	Irrigation Lateral Line: PVC 2" Class 200 SDR 21	1	LF		
17	Irrigation Lateral Line: PVC 1.5" Class 200 SDR 21	1	LF		
18	Irrigation Lateral Line: PVC 1.25" Class 200 SDR 21	1	LF		
19	Irrigation Lateral Line: PVC 1" Class 200 SDR 21	1	LF		
20	Irrigation Lateral Line: PVC 3/4" Class 200 SDR 21	1	LF		
21	Irrigation Lateral Line: PVC 3/4" Class 200 SDR 22	1	LF		
LANDSCAPING					
22	Phoenix dactylifera 'Medjool'-Medjool Date Palm 10-12' C.T. Specimen	47	EA		\$ 197,400.00
23	Lagerstroemia indica 'Muskogee'-Lavender Crape Myrtle 100 Gal., 4.5" Cal., 11' Ht., Standard	45	EA		\$ 29,250.00
24	Annuals 4" Pots	674	EA		\$ 5,392.00
25	Agapanthus africanus-Lily of the Nile 3 Gal., 18" Ht. x 18" Spread, Full	2,560	EA		\$ 33,280.00
26	Spartina patens-Salt Meadow Hay 1 Gal	27	EA		\$ 216.00
27	Muhlenbergia capillaris - Muhly Grass 1Gal., 10" Ht. x 10" Spread	5	EA		\$ 40.00
28	Tulbaghia violacea-Society Garlic 1 Gal., 12"-15" Ht. x 12"-15" Spread	3,216	EA		\$ 25,728.00
29	Juniperus conferta 'Blue Pacifica'-Shore Juniper 3 Gal., 18" Ht. x 18" Spread, Full	156	EA		\$ 2,028.00
30	Sodding-St. Augustine 'Floritam'	105,000	SF		\$ 42,000.00
TOTAL BASE BID 1-4, 22-30					\$ 579,776.00
31	ALTERNATE No 1 One Year Maintenance (Per Maintenance Plan on Sheet MP1)	1	LS		\$ 10,400.00
ALTERNATE No.1 TOTAL					\$ 10,400.00
ITEMS 5-21 ARE NOT INCLUDED IN THE BASE BID. UNIT PRICING ITEMS 5-21 TO INCLUDE INSTALLATION OF THE IRRIGATION COMPONENT IS REQUESTED AND MUST BE SUBMITTED. ALTERNATE BID ITEM No.31 IS NOT INCLUDED IN THE BASE BID. UNIT PRICING IS REQUESTED AND MUST BE SUBMITTED.					

Bond No. 437858-1-58-01

BID BOND
The American Institute of Architects,
AIA Document No. A310 (February, 1970 Edition)

KNOW ALL MEN BY THESE PRESENTS, that we C & L Landscape, Inc.

as Principal hereinafter called the Principal, and United States Fire insurance Company
a corporation duly organized under the laws of the state of Florida as Surety, hereinafter called the Surety,
are held and firmly bound unto City of Port Orange, Purchasing

as Obligee, hereinafter called the Obligee, in the sum of 5% of the Bid Amount

Dollars (\$ _____), for the payment of which sum well and truly to be made, the said Principal and the
said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly
by these presents.

WHEREAS, the Principal has submitted a bid for Landscape and Irrigation on State RD US1 Ridgewood Avenue

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract
with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the
bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for
the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the
Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference
not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the
Obligee may in good faith contract with another party to perform the Work covered by said bid, then this obligation
shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 3rd day of February, 2017

Carlton Smith

Witness

C & L Landscape, Inc.

Principal (Seal)

By: Jana Hamburg President
Name/Title

United States Fire Insurance Company

Surety (Seal)

Coral A. Hays

Witness

By: Jeremy T. Toton

Attorney-in-Fact

**POWER OF ATTORNEY
UNITED STATES FIRE INSURANCE COMPANY
PRINCIPAL OFFICE - MORRISTOWN, NEW JERSEY**

00941414818

KNOW ALL MEN BY THESE PRESENTS: That United States Fire Insurance Company, a corporation duly organized and existing under the laws of the state of Delaware, has made, constituted and appointed, and does hereby make, constitute and appoint:

Carol A. Hopson, Jeremy T. Toton

each, its true and lawful Attorney(s)-In-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver: Any and all bonds and undertakings of surety and other documents that the ordinary course of surety business may require, and to bind United States Fire Insurance Company thereby as fully and to the same extent as if such bonds or undertakings had been duly executed and acknowledged by the regularly elected officers of United States Fire Insurance Company at its principal office, in amounts or penalties not exceeding: **Seven Million, Five Hundred Thousand Dollars (\$7,500,000).**

This Power of Attorney limits the act of those named therein to the bonds and undertakings specifically named therein, and they have no authority to bind United States Fire Insurance Company except in the manner and to the extent therein stated.

This Power of Attorney revokes all previous Powers of Attorney issued on behalf of the Attorneys-In-Fact named above and expires on January 31, 2018.

This Power of Attorney is granted pursuant to Article IV of the By-Laws of United States Fire Insurance Company as now in full force and effect, and consistent with Article III thereof, which Articles provide, in pertinent part:

Article IV, Execution of Instruments - Except as the Board of Directors may authorize by resolution, the Chairman of the Board, President, any Vice-President, any Assistant Vice President, the Secretary, or any Assistant Secretary shall have power on behalf of the Corporation:

(a) to execute, affix the corporate seal manually or by facsimile to, acknowledge, verify and deliver any contracts, obligations, instruments and documents whatsoever in connection with its business including, without limiting the foregoing, any bonds, guarantees, undertakings, recognizances, powers of attorney or revocations of any powers of attorney, stipulations, policies of insurance, deeds, leases, mortgages, releases, satisfactions and agency agreements;

(b) to appoint, in writing, one or more persons for any or all of the purposes mentioned in the preceding paragraph (a), including affixing the seal of the Corporation.

Article III, Officers, Section 3.11, Facsimile Signatures. The signature of any officer authorized by the Corporation to sign any bonds, guarantees, undertakings, recognizances, stipulations, powers of attorney or revocations of any powers of attorney and policies of insurance issued by the Corporation may be printed, facsimile, lithographed or otherwise produced. In addition, if and as authorized by the Board of Directors, dividend warrants or checks, or other numerous instruments similar to one another in form, may be signed by the facsimile signature or signatures, lithographed or otherwise produced, of such officer or officers of the Corporation as from time to time may be authorized to sign such instruments on behalf of the Corporation. The Corporation may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Corporation, notwithstanding the fact that he may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, United States Fire Insurance Company has caused these presents to be signed and attested by its appropriate officer and its corporate seal hereunto affixed this 10th day of March, 2016.

UNITED STATES FIRE INSURANCE COMPANY



A.R.S.

Anthony R. Slimowicz, Senior Vice President

State of New Jersey }
County of Morris }

On this 10th day of March 2016, before me, a Notary public of the State of New Jersey, came the above named officer of United States Fire Insurance Company, to me personally known to be the individual and officer described herein, and acknowledged that he executed the foregoing instrument and affixed the seal of United States Fire Insurance Company thereto by the authority of his office.

**SONIA SCALA
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES 3/25/2019**

Sonia Scala

Sonia Scala (Notary Public)

I, the undersigned officer of United States Fire Insurance Company, a Delaware corporation, do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy is still in force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of United States Fire Insurance Company on the 3rd day of Feb. 2017
UNITED STATES FIRE INSURANCE COMPANY



A.L.W.

Al Wright, Senior Vice President



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/16/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER SUNZ Insurance Solutions, LLC. c/o Ally HR, Inc. 9016 Philips Highway Jacksonville, FL 32256	ID: (Ally)	CONTACT NAME: WC Cert Department	FAX (A/C, No): 904-739-2725
		PHONE (A/C, No, Ext): 904-739-2777	E-MAIL ADDRESS:
INSURED Ally HR, Inc. 9016 Philips Hwy Jacksonville FL 32256	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A: SUNZ Insurance Company		34762
	INSURER B:		
	INSURER C:		
	INSURER D:		
	INSURER E:		
		INSURER F:	

COVERAGES**CERTIFICATE NUMBER:** 34254516**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADD'L SUBR INSD	WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☐ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMPROP AGG \$ OTHER:
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ OTHER:
	UMBRELLA LIAB ☐ OCCUR EXCESS LIAB ☐ CLAIMS-MADE DED ☐ RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ OTHER:
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N ☐	N/A	WCPEO0000323 03 WCPEO0000323 02	1/1/2017 1/1/2016	1/1/2018 1/1/2017	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Coverage provided for all leased employees but not subcontractors of: C & L Landscape, Inc.
Effective date: 8/20/2015

CERTIFICATE HOLDER**CANCELLATION**

9266 City of Port Orange Attn: Purchasing Division 1000 City Center Circle Port Orange FL 32129	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE Glen J Distefano

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
02/16/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER George A Zellner Co 4114 Sunbeam Road, Suite Jacksonville FL 32257-	CONTACT NAME: Certificates		
	PHONE (A/C, No, Ext): (904)356-1492 FAX (A/C, No): (904)354-4328		
	E-MAIL ADDRESS: certificates@zellnerinsurance.com		
INSURED C&L Landscape, Inc. P.O. Box 23425 Jacksonville FL 32241-	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A: Chubb Companies		
	INSURER B: Evanston Insurance Company		
	INSURER C: Gemini Insurance Company		
	INSURER D: Progressive Companies		
	INSURER E:		
INSURER F:			

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR INSD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
C	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PROJECT ☐ LOC ☐ OTHER:			VIGP017790	09/07/2016	09/07/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ EXCLUDED PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ INCLUDED
D	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☒ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON-OWNED AUTOS			03930017-0	09/22/2016	09/22/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	☐ UMBRELLA LIAB ☒ OCCUR ☒ EXCESS LIAB ☐ CLAIMS-MADE DED RETENTION \$			MKLV2EUL100432	09/07/2016	09/07/2017	EACH OCCURRENCE \$ 3,000,000 AGGREGATE \$ 3,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Inland Marine/Equipment			45467331-16	09/07/2016	09/07/2017	Rented & Leased 100,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER City of Port Orange Attn: Purchasing Division 1000 City Center Cir. Port Orange FL 32129-	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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AI 020837

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JACKSONVILLE TRANSPORTATION AUTHORITY

January 23, 2017

C & L Landscape Inc DBA C&L LANDSCAPE, INC.
1601 E Duval Street
Jacksonville, FL 32202

In Re: DBE Firm Certification

Dear Tana Hamburger,

The Jacksonville Transportation Authority (JTA) is pleased to announce that your firm has been certified as a Disadvantaged Business Enterprise [DBE] in Florida, under a Unified Certification Program [UCP] in accordance with 49 CFR, PART 26.

DBE Certification is continuing from the date of this letter and will conclude on the anniversary date of your firm's certification. Continued certification and participation in the DBE program is contingent upon your firm renewing its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. Failure of your firm's recertification will result in immediate action to decertify the firm.

Your firm's listing in the Florida Department of Transportation's Florida Unified Certification Program is affirmation of your firm's continued certification. This listing can be accessed via the internet at:

<http://www3b.dot.state.fl.us/EqualOpportunityOfficeBusinessDirectory/>

Please be advised that DBE Certification is subject to actions by governmental agencies that can impact the disadvantaged status of DBE firms. Be further advised that your DBE Certification with the Florida Department of Transportation dually certifies your firm with all Florida UCP Members. DBE Certification is NOT a guarantee of work, but enables the firm to compete for and perform contract work on all USDOT Federal Aid (FAA, FTA & FHWA) projects in Florida as a DBE contractor, sub-contractor, and consultant / sub-consultant or material supplier.

Original Certification Date
December 2, 2011

Certification Renewal Date
December 2, 2017



JACKSONVILLE TRANSPORTATION AUTHORITY

If at any time there is a material change in your firm, including, but not limited to name change, principal ownership, officer, Directors, scope of work performed, daily operations, affiliations with other businesses, individuals or physical locations of the firm, you must immediately notify this office in writing. Notification of the aforementioned circumstances should include all applicable supporting documentation. Upon this Authority's receipt of your amendment(s) you will receive necessary instructions.

Accordingly, your firm may compete for and perform work on all USDOT Federal Aid projects throughout Florida that receive credit for works performed in the following areas:

NAICS

NAICS 561730: LANDSCAPE CONTRACTORS (EXCEPT CONSTRUCTION)

FDOT SPECIALTY CODE(S) & DESCRIPTIONS

NAICS: 23622	NAICS: 23799
NAICS: 23832	NAICS: 23891
NAICS: 23731	NAICS: 23822
NAICS: 23834	NAICS: 23899
NAICS: 48422	NAICS: 56173

Questions or concerns should be directed to this office by mail or telephone. Our telephone number is 904-632-5275 / Fax 904-630-3166.

Sincerely,

Ken Middleton

Diversity & Equity Program Manager

If you have any questions please email us at jtafla@dbesystem.com.

Jacksonville Transportation Authority
Diversity & Equity Program Office
<http://www.jtafla.com/>
(904) 630-3157



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: Yes

SUBJECT: (I24) Addendum No. 10 to the Quentin L. Hampton Associates, Inc. contract for Construction Engineering and Inspection (CEI) services for the Landscaping Improvements on State Road 5/US 1/Ridgewood Avenue

DEPARTMENT: Community Development

GOAL: 3 - Quality of Life

RECOMMENDED MOTION: Move to approve Addendum No. 10 to QLHA for Construction Engineering and Inspection (CEI) services for the Landscaping Improvements on State Road 5/US 1/Ridgewood Avenue in the amount of \$42,875 and upon appropriation authorize the City Manager and City Clerk to sign and execute all contract documents.

SUMMARY: The City has an existing continuing services contract with Quentin L. Hampton Associates, Inc. (QLHA) for inspection services. Addendum 10 is specifically for CEI of the US1 landscape beautification project that will soon be under construction south of Dunlawton Avenue. Pursuant to the Joint Participation Agreement (JPA) with FDOT the City must hire an FDOT pre-qualified consultant to perform CEI during construction. QLHA is FDOT pre-qualified and is eligible to perform CEI since the firm is not the engineer of record for the project. The attached QLHA proposal is consistent with the existing fee schedule and only actual time worked will be billed.

Florida Department of Transportation Grant funding is covering 50% of the construction of this project, but is not available for CEI services.

To allow the Ridgewood Ave Landscaping and Irrigation projects to move forward in a timely fashion, staff requests reallocation of \$42,875 from the City Center Landscaping Project (OMI030) to the South Ridgewood Ave Irrigation and Landscaping Projects (AIO026 and AIO027) This re-allocation will delay the City Center Landscaping Project until additional funding can be identified but will allow the City to benefit from grant funding for construction which will otherwise expire on August 31, 2017.

If approved, CEI services are expected to start in May.

Project No.: AIO026 & AIO027 Funding Account No.: 317-1000-519.63-97

ATTACHMENTS:

1.	Addendum No. 10	Addendum No 10.pdf
2.	QLH Proposal	QLH Revised US1 Median CEI Proposal.pdf

Margaret Tomlinson	Created/Initiated - 03/30/2017
Wayne Clark	Approved - 03/30/2017
Tracey Riehm	Approved - 04/05/2017
Margaret Roberts	Approved - 04/06/2017
Jake Johansson	Approved - 04/06/2017
Robin Fenwick	Final Approval - 04/07/2017

CONTRACT ADDENDUM NO. 10
Standard Contract for Services dated October 1, 2013
Between the City of Port Orange, Florida and Quentin L. Hampton Associates, Inc.

THIS Contract Addendum is entered into by and between the **CITY OF PORT ORANGE, FLORIDA**, a chartered municipal corporation with its principal place of business at 1000 City Center Circle, Port Orange, Florida 32129 (the "City") and **QUENTIN L. HAMPTON ASSOCIATES, INC.**, a Florida corporation with its principal place of business at 4401 Eastport Parkway, Port Orange, Florida 32127 ("Contractor"), and hereinafter collectively referred to as the "Parties," and is to that certain Standard Contract for Services dated October 1, 2013, and any amendments thereto, hereinafter collectively referred to as the "Contract." The Parties, in exchange for the mutual covenants contained herein and in the Contract, agree as follows:

1. This Contract Addendum expressly modifies the Contract and in the event of a conflict, the terms and conditions of this Contract Addendum shall prevail.
2. In addition to all other terms and conditions contained in the Agreement, Contractor shall provide Construction Engineering and Inspection Services ("CEI") for the Landscaping Improvements on State Road 5/US1/Ridgewood Avenue, as more particularly described in City of Port Orange US1 Median Landscaping Improvements on State Road 5/US1/Ridgewood Avenue ITB No. 17-17 Scope of Services attached hereto and incorporated herein as Contract Addendum Exhibit "A."
3. In return for the services identified above, the City agrees to compensate Contractor at the unit prices set forth in the Contract subject to a limit up to but not to exceed Forty-Two Thousand, Eight Hundred Seventy-Five and 00/100 Dollars (\$42,875.00). The City shall make payment on all invoices in accordance with the Local Government Prompt Payment Act, Sections 218.70 through 218.79, Florida Statutes.

IN WITNESS WHEREOF, the Parties have made and executed this Contract Addendum for the purposes herein expressed on the dates set forth below.

Witnesses:

CITY OF PORT ORANGE

Printed Name: _____ By: _____
Donald O. Burnette, Mayor

Attest:

Printed Name: _____ Robin L. Fenwick, CMC, City Clerk

Date: _____

Witnesses:

QUENTIN L. HAMPTON ASSOCIATES, INC.

Printed Name: _____ By: _____
Brad T. Blais, President

Printed Name: _____ Date: _____

[CA 3480]

**CITY OF PORT ORANGE
US1 MEDIAN LANDSCAPING IMPROVEMENTS ON
STATE ROAD 5/US1/RIDGEWOOD AVENUE
FM #437858-1-58-01
ITB #17-17**

General – The CITY has entered into a Joint Participation Agreement (JPA) with the Florida Department of Transportation (FDOT) for \$500K of funding for landscape improvements in the medians of a 2.8 mile stretch of S. Ridgewood Avenue, from Rose Bay Bridge to Dunlawton Avenue.

SCOPE OF WORK: The City desires QLH to assist in the CEI services phase of the project.

Construction Contract Administration: QLH will provide the following services during the construction phase:

1. Coordinate execution of contracts
2. Schedule and preside over preconstruction conference
3. Issue Notice to Proceed to Contractor
4. Coordinate review of shop drawings/material submittals by Landscape Architect of Record (LAOR).
5. Address Contractor/City questions
6. Twice per month site visits
7. Review of monthly Contractor pay requests
8. Review of Contractor as-built drawings
9. Review change order requests, draft and process
10. Prepare final record drawings, utilizing Contractor as-builts and inspector sketches, etc.
11. Determine substantial completion with assistance from LAOR.
12. Provide final inspection with assistance from LAOR.
13. Recommend final payment
14. Coordinate execution of final paperwork
15. Provide Certificate of Completion to permitting agencies.

Construction Project Representative: QLH will provide a qualified part-time inspector to provide the following services during the construction phase:

1. Attend pre-construction conference
2. Assist LAOR with shop drawing review
3. Observe contractor's construction activities, including maintenance of traffic
4. Document construction activity via daily reports/logs
5. Address citizen complaints
6. Review contractor's soil and erosion control efforts
7. Review contractor's monthly pay requests/quantities
8. Prepare supplemental as-built sketches
9. Review contractor's as-built surveys
10. Review contractor's locating efforts of existing utilities

11. Coordinate responses to contractor's Requests For Information (RFIs)
12. Coordinate engineer's field directives
13. Coordinate material and field tests.

Grant Assistance – QLH shall assist the CITY in the JPA certification and project management/accounting to comply with FDOT regulations including:

- Completion of project preconstruction submittals
- Preparation of progress reports and submittal to FDOT
- Assistance to CITY for JPA project closeout with FDOT

ESTIMATED PROJECT COST: \$500K (per JPA/City)

CITY'S PROPOSED PROJECT SCHEDULE:

QLH will strive to complete the project according to the proposed schedule shown in the JPA which estimates five (5) months of construction.

SCHEDULE OF PAYMENT AND FEE BASIS:

<u>Work Description</u>	<u>Fee Basis</u>	<u>Fee</u>
Construction Contract Administration	Monthly	\$13,775
Construction Project Representative	Hourly	\$28,600
Printing/Out-of-Pocket Expenses	Allowance	<u>\$500</u>
TOTAL		\$42,875

See attached breakdown of proposed fees.

If sales tax becomes due on professional services the City shall reimburse QLH for any applicable sales tax cost. Any additional services shall be billed per the attached rate schedule.

PURSUANT TO FLORIDA STATUTE SECTION 558.0035, AN INDIVIDUAL EMPLOYEE OR AGENT OF QUENTIN L. HAMPTON ASSOCIATES INC. MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

IF THE CONTRACTOR (QLH) HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S (QLH's) DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT (PROPOSAL), CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT CITY HALL, CITY OF PORT ORANGE, 1000 CITY CENTER CIRCLE, PORT ORANGE, FL 32129, City Clerk, Robin Fenwick, (386) 506-5566, rfenwick@port-orange.org.

CITY OF PORT ORANGE

QUENTIN L. HAMPTON ASSOCIATES, INC.

BY: _____

BY: 
David A. King, P.E., Vice President

DATE: _____

DATE: 2/17/17

REVISED 2/17/17

Notes:

- EXHIBIT "A"**



February 17, 2017

Margaret Tomlinson, RLA LEED AP
Construction & Engineering Manager
City of Port Orange
1000 City Center Circle
Port Orange, FL 32129

Email: mtomlinsom@port-orange.org

Hard Copy Mailed Only on Request

**RE: US1 MEDIAN LANDSCAPING
STATE ROAD 5/US1/RIDGEWOOD AVENUE
FM #437858-1-58-01 / BID #17-07**

Dear Ms. Tomlinson,

Per your request, Quentin L. Hampton Associates, Inc (QLH) is pleased to offer this revised professional engineering services proposal for this project. The work involves CEI services for the installation of landscaping via funding through the FDOT JPA program.

The attached scope of services is in conformance with our professional services agreement. We look forward to serving the City of Port Orange on this and future projects. Please contact our office if you have questions.

Sincerely,
QUENTIN L. HAMPTON ASSOCIATES, INC.

David A. King, P.E.
Vice President

Brad T. Blais, P.E.
President

DAK/BTB:bf/el
Enclosure
cc: QLH files

CITY OF PORT ORANGE
US1 MEDIAN LANDSCAPING IMPROVEMENTS ON
STATE ROAD 5/US1/RIDGEWOOD AVENUE
FM #437858-1-58-01
ITB #17-17

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ESTIMATED PROJECT COST: \$500K (per JPA/City)

CITY'S PROPOSED PROJECT SCHEDULE:

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<u>Work Description</u>	<u>Fee Basis</u>	<u>Fee</u>
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TOTAL		\$42,875

See attached breakdown of proposed fees.

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CITY OF PORT ORANGE

QUENTIN L. HAMPTON ASSOCIATES, INC.

BY: _____

BY:  _____
David A. King, P.E., Vice President

DATE: _____

DATE: 2/17/17

CITY OF PORT ORANGE
US1 MEDIAN LANDSCAPING
STATE ROAD 5/US1/RIDGEWOOD AVENUE
FM #437858-1-58-01/Bid No. 17-07
QLH ESTIMATED ENGINEERING FEES
REVISED 2/17/17

Task No.	Description	Project Manager (hours)	Project Engineer (hours)	CAD Technical (hours)	Construction Project Representative (hours)	Clerical (hours)	Total Task (\$)
	Hourly Rate	\$175	\$140	\$75	\$65	\$55	See Below
	Construction Contract Administration	0	65	0	0	85	\$13,775
	Construction Project Representative	0	0	0	440	0	\$28,600
	Printing, Reimbursables						\$500
	Total						\$42,875

Notes:

1. Construction contract administration is based on 5 months of construction, to be invoiced at \$2,755 per month.
2. Construction project representative is based on 5 months of construction at 4 hours per day (22 weeks x 20 hours/week = 440 hours).



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: No

SUBJECT: (I25) Discussion on Lease Extension with ArtHaus Foundation, Inc. for the City-owned property located at 3840 Ridgewood Avenue

DEPARTMENT: City Manager

GOAL: 3 - Quality of Life

RECOMMENDED MOTION: Requesting direction. No motion needed.

SUMMARY: The ArtHaus Foundation, Inc. has leased City-owned property located at 3840 Ridgewood Avenue since 2004. Last year ArtHaus requested a three-year extension. However, Council approved a one-year extension, with an expiration date of June 30, 2017 and waived lease payments during this term as an in-kind contribution from the City. ArtHaus has provided a new request to extend the lease at 3840 Ridgewood Avenue for an additional three years.

Last year's one-year extension was provided as an opportunity for city administration to ensure the cultural benefits of ArtHaus were clearly understood. The City has not required monthly rental payments from ArtHaus (\$1,340), nor has it increased this amount since at least 2009. This rental forgiveness is not mentioned in the lease, but is meant as an in-kind contribution to ArtHaus based on its pro bono work for the community.

Staff has performed the requested analysis to determine the value of the pro bono work provided by ArtHaus and gathered information on rental rates for commercial/office properties in the area.

In 2015, ArtHaus provided 381 individuals free art education for a total of 431 hours at a rate of \$20 per 1.5 hours. This resulted in \$8,046.67 of free classes provided to underprivileged individuals at both the Boys and Girls Club and Practical, Academic, Cultural, Education (PACE) Center for Girls of Volusia-Flagler. The free classes provided to kids in the Boys and Girls Club and PACE are not limited to Port Orange residents.

ArtHaus also provides fee based instruction and exhibits local artists' works. The value of these exhibits and the positive impact the free classes have for the Boys and Girls Club and PACE are not easily quantifiable.

Based on a comparison of similar properties in the area (as of March 3, 2017) the average rent per square foot, per year is \$14.21. The City currently has the ArtHouse building priced at \$6.00 per square foot, per year. Thus, if the City rented this building on the open market today we might expect about \$38,100 in revenue. Currently, we

receive no revenue based on the past practice of forgoing the rent.

During our analysis, it also came to the attention of staff that the City is currently providing grounds maintenance to the ArtHaus property through our contract with Tif-Gen. However, per our lease agreement, ArtHaus should be responsible for this maintenance item. This costs the City an additional \$665 per year.

If Council would like to continue renting the 3840 Ridgewood Avenue property to ArtHaus, staff recommends following the current contract as written with a 59% discounted rental rate from current fair market value. This would keep the rent of \$1,340 per month (\$16,080 per year) in accordance with the current contract. The discount of \$22,020 would be granted in recognition of the \$8,046.67 in pro bono work and other intangible services provided to residents of Volusia and Flagler County. In addition, ArtHaus should be responsible for all maintenance items identified in the lease agreement including approximately \$665 per year in grounds maintenance.

Staff will take direction from Council and prepare a lease extension as necessary.

Project No.: Funding Account No.:

ATTACHMENTS:

1.	Lease Renewal Request	2017 Lease Renewal Request.pdf
2.	History of ArtHaus	2017 History of ArtHaus.docx
3.	Current ArtHaus Lease	ArtHaus 3rd Amd to Lease Agreement 2016.pdf

Alan Rosen	Created/Initiated - 03/28/2017
Alan Rosen	Approved - 03/28/2017
Tracey Riehm	Approved - 04/03/2017
Jake Johansson	Approved - 04/06/2017
Robin Fenwick	Final Approval - 04/06/2017



www.arthaus.org

3840 Ridgewood Ave.
P.O. Box 290232
Port Orange, FL 32129
Tel. 386-767-0076
Fax. 386-761-3888

Board of Directors

Executive Board

Ron Nowviskie
President

Don Burnette
Vice President
Administration

Merelyn Goldsmith
Vice President
Program Development

Terra Brock
Vice President
Communications

Bobby Vickery
Vice President
Resource Development

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Treasurer

Jessica Houser
Secretary

Directors

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Don Ariel
Marla Basli
Ed Dimayuga
Beth Dobberstein
Ted Doran
Bob Ford
Jessica Houser
Doug Martin
Jim O'Shaughnessy
Ann Pintiliano
Laurie Gomon Ring
Juliana Romnes
Stan Schmidt
John Trost
Lee Walker

Mission Statement

*To enhance the art education
of our local schools &
communities by showcasing
student art exhibitions,
providing Visual Arts
education programs and
promoting cultural
enrichment.*

March 20, 2017

Assistant City Manager Alan Rosen
1000 City Center Circle
Port Orange, Florida 32129

In regard to the renewal of our lease agreement with the City of Port Orange, ArtHaus, a non profit organization, would very much like to continue to occupy the current facility at 3840 Ridgewood Avenue in Port Orange. We would like to exercise a three (3) year extended term option through June 30, 2020 or any other option available. We agree to all the conditions that were in the former lease agreement. As Executive Director of ArtHaus Foundation, Inc., I, Laurie Gomon Ring make this request.

The Board of Directors of ArtHaus would like to convey our appreciation for all that the City of Port Orange has done to help us continue our mission. We sincerely request that the City Council continues to grant the annual rental payments totaling \$16,080 to ArtHaus so we may continue to serve the community as a cultural resource and enrichment.

Thank you.

With kindest regards.

Laurie Gomon Ring
Executive Director

"Instilling the Spirit of Creativity & Beauty in our Youth & Community"

History of ArtHaus

Before ArtHaus became a reality, the art department of Spruce Creek High School was striving for new and innovative ways to educate students and realized an important element was missing from the students' education. Art students lacked a professional venue to display their work and complete the artistic experience. This insight led to the concept of the ArtHaus Student Gallery at Spruce Creek High School in 1994. Tim Ludwig, Art Department chairman and art teacher Laurie Gomon Ring and additional art department faculty began envisioning a three-walled addition to Spruce Creek High School in Port Orange and then a plan for a freestanding building on Spruce Creek High property. Through the efforts of these individuals, together with many volunteer students, teachers, parents and businesses the concept continued to evolve and has resulted with the current building that is owned by the City of Port Orange in 2000 for the utilization of all Volusia County students. ArtHaus was incorporated in January, 1996 as a 501 (c) 3 organization.

During the mid-1990's, a unique partnership was formed between ArtHaus, the City of Port Orange, and the School District of Volusia County that set new standards in arts education. Ken Parker, Port Orange City Manager, whose children attended Spruce Creek High at the time, began to hear about the emerging cultural organization called ArtHaus. Our original name of incorporation in 1996 was ArtHaus at Spruce Creek Foundation. Knowing that Port Orange lacked any cultural entities or organizations he encouraged ArtHaus to partner with the city. He offered the ArtHaus Director Brad Budd, 1999-2003, an office in City Hall to run our programs and to plan on building an ArtHaus on the city property where Palmer College stands today. This would include a Student Gallery, several classrooms, storage and a catering kitchen that could accommodate wedding receptions and other parties that the Lakeside Community center is now used for. They wrote a grant for \$100,000 to begin this process. An Orlando architect was hired to create the initial plans and mock up drawings of the structure. (I have these to show if needed.) Within a year or so of this occurring, Palmer College successfully approached the city about building a new campus at City Center. At this time, the city began to look for other locations where we could build but nothing seemed right. In 2000, the city offered ArtHaus the use of the facility at 3840 Ridgewood Avenue which had been vacant for some time. Some of the original grant monies were used to fully renovate the building including a new flat roof. Many volunteers helped to complete the renovation and to prepare it for art exhibits, art classes and admin offices.

In 2000 ArtHaus originally signed a 5-year lease with the city granting our yearly rental payments. After two 5 year leases, the city decided to write 2 year leases. I believe that without these granted leases, ArtHaus would not have survived. 21 years after its inception, ArtHaus continues to flourish and grow. Every year new classes and outreach opportunities are added to the ArtHaus program schedule. With ongoing support ArtHaus will continue to carry out its valuable work in showcasing student artwork, providing art education programs and promoting cultural enrichment for the community. ArtHaus has grown into the new millennium with even more territory to cover.

ArtHaus was named in honor of the Bauhaus, a German state-sponsored school of art which united artists and schools of thought in the 1920-30s. Bauhaus formed unified academies incorporating art colleges, colleges of arts and crafts and schools of architecture, that help to promote closer cooperation. Bauhaus served as a foundation for uniting artists and schools of

thought elevating each to a new level of understanding through association. This unification extended to its teaching programs in which feeling and thinking, intuition and intellect, expression and construction belonged inextricably together. ArtHaus of Volusia-Flagler Counties (the 2nd registered name used for ArtHaus) furthers these ideals through its programs by uniting artists, teachers, students and the community for the purpose of: “*Instilling the Spirit of Creativity & Self Expression in our Youth & Our Community.*”

ArtHaus fulfills its mission by offering programs that enhance visual arts education in public and private schools throughout Volusia counties. This is accomplished by holding art exhibitions onsite in our student art gallery and off site in municipalities and businesses, providing art classes, workshops and outreach programs. We offer art classes for artists of all ages in our facility as well as a gift shop of handmade creations. Our outreach art classes provide cultural enrichment and art education to underserved youth in the Boys and Girls Clubs and the Pace Center for teen girls. Students’ hands-on participation in all phases of ArtHaus programs helps build confidence, develop problem solving skills and a lifelong appreciation of the visual arts. ArtHaus celebrates the 21st year as an art educational and cultural nonprofit organization.

ArtHaus Exterior
ArtHaus Gallery
ArtGifts Shop



This Document Prepared by:
Matthew J. Jones, Dep. City Atty.
City of Port Orange
1000 City Center Circle
Port Orange, FL 32129-4144

Parcel ID# 6303-11-06-0021

THIRD AMENDMENT TO LEASE AGREEMENT

ArtHaus

3840 Ridgewood Avenue, Port Orange, Volusia County, Florida

THIS THIRD AMENDMENT TO LEASE AGREEMENT is made and entered into the day and year set forth hereinafter by and between **CITY OF PORT ORANGE, FLORIDA**, a chartered municipal corporation with its principal business office located at: 1000 City Center Circle, Port Orange, Florida 32129-4144 ("City"); and **ARTHAUS FOUNDATION, INC.**, a Florida non-profit corporation, principal address located at 3840 Ridgewood Avenue, Port Orange, Florida 32129, having a mailing address of: Post Office Box 290232, Port Orange, FL 32129-0232 ("ArtHaus"), and hereinafter collectively referred to as the "Parties."

WHEREAS, the Parties entered into a Lease Agreement for the property located at 3840 Ridgewood Avenue, Port Orange, Florida dated June 2, 2009 ("Lease"); and

WHEREAS, the Parties entered into the Amendment to Lease Agreement ("First Amendment") on May 2, 2012, to extend the Lease for an additional 2-year term; and

WHEREAS, the Parties entered into the Second Amendment to the Lease Agreement ("Second Amendment") on April 23, 2014, to extend the Lease for an additional 2-year term.

WHEREAS, the Parties now desire to extend the Lease for an additional term of one (1) year commencing July 1, 2016 and ending June 30, 2017; and

WHEREAS, the Parties desire to extend the term of the Agreement and amend certain insurance provisions as set forth in this Third Amendment to Lease Agreement.

NOW, THEREFORE, the Parties, for good and valuable consideration, receipt of which is hereby acknowledged, agree as follows:

1. The premises set forth above and true and correct, form a material part of this Third Amendment and are incorporated herein by reference.

2. Article VI, Paragraph 2 of the Lease, as amended by the First Amendment and Second Amendment, is hereby further amended to read in its entirety as follows:

"2. The term of this Lease Agreement shall be extended for one (1) year commencing July 1, 2016 and expiring at midnight on June 30, 2017."

3. Article XI, Paragraph 1 of the Lease is hereby amended to read in its entirety as follows:

"1. The Lessee shall obtain or possess the following insurance coverage, and shall provide Certificates of Insurance to the City prior to commencing operations under this Lease Agreement to verify such coverages:

- a. Workers' Compensation – The Lessee shall provide Workers' Compensation coverage for all employees at the Premises and, in case any work is contracted, shall require contractor to produce Workers' Compensation for all its employees. The limits shall be statutory for Workers' Compensation and \$100,000 for Employer's Liability.
- b. Comprehensive General Liability – The Lessee shall provide coverage for all operations including, but not limited to, Contractual, Products and Completed Operations, Personal Injury, and Property Damage.

The limits shall not be less than \$1,000,000 Combined Single Limit (CSL) or its equivalent.

- c. Fire and Extended Coverage – The Lessee shall maintain Fire and Extended Coverage Insurance covering any and all leasehold improvements, trade fixtures, merchandise or personal property located on or in the Premises from time-to-time providing protection against all risks covered by standard form of "Fire and Extended Coverage Insurance".

4. All other terms and conditions of the Lease shall remain in full force and effect.

5. This Third Amendment to Lease Agreement may be executed in one or more counterparts, each of which shall be deemed to be an original but all of which together shall constitute one and the same complete instrument. The delivery by facsimile or email of an executed copy of this Third Amendment to Lease Agreement shall be deemed valid as if an original signature was delivered.

[Remainder of Page Left Blank]

Witnesses:

ARTHAUS FOUNDATION, INC.
A Florida Non-Profit Corporation

Mary C Tappan
Signature

By: [Signature]
Name: Ron Nowvskie
Title: President

Mary C Tappan
Printed Name

[Signature]
Signature

HEATHER L. PASTOR
Printed Name

Attest:

[Signature]
Name: Laurie G. Ring
Title: Executive Director

(Witnesses as to Both)

Dated Signed: 6-16, 2016.

(Corporate Seal)

STATE OF FLORIDA
COUNTY OF VOLUSIA

The foregoing instrument was acknowledged before me this 16th day of June, 2016, by Ron Nowvskie and Laurie G. Ring, the President and Executive Director, respectively, who are duly authorized to execute the foregoing instrument in their representative capacity on behalf of ArtHaus Foundation, Inc., a Florida non-profit corporation, and who ☒ are personally known to me, or ☐ have produced governmental agency issued identification.

[Signature]
Notary Public, State of Florida at Large
Printed Name, Commission, Seal
And Commission Expiration Date:



IN WITNESS WHEREOF, the Parties hereto have signed, sealed, and delivered this Third Amendment to Lease Agreement on the day and year stated hereinafter.

Witnesses:

CITY OF PORT ORANGE, FLORIDA

Frances Gosnell
Signature Frances Gosnell

By: [Signature]
Allen Green, Mayor

Cynthia K. Rivera
Printed Name Cynthia K. Rivera

Frances Gosnell
Signature Frances Gosnell

Attest: [Signature]
Robin L. Fenwick, CMC, City Clerk

Cynthia K. Rivera
Printed Name Cynthia K. Rivera

Dated Signed: JUNE 21 2016

(Witnesses as to Both)

(Corporate Seal)

STATE OF FLORIDA
COUNTY OF VOLUSIA

The foregoing instrument was acknowledged before me this 21st day of June, 2016 by Allen Green and Robin L. Fenwick, the Mayor and City Clerk, respectively, who are duly authorized to execute the foregoing instrument in their representative capacity on behalf of the City of Port Orange, Florida, a chartered municipal corporation, and who ☒ are personally known to me.



FRANCES GOSNELL
MY COMMISSION # FF 237410
EXPIRES: June 4, 2019
Bonded Thru Budget Notary Services

Frances Gosnell
Notary Public, State of Florida at Large
Printed Name, Commission, Seal
And Commission Expiration Date:



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 04/18/2017

Consent item: No

SUBJECT: (I26) City Manager's Evaluation

DEPARTMENT: City Clerk

GOAL:

RECOMMENDED MOTION:

SUMMARY: In accordance with the City Manager's contract dated July 15, 2015, Council is tasked with providing the City Manager with an evaluation on or about February 15, 2017 and annually thereafter. In February 2017 evaluation forms were provided and a timeline was agreed upon. Council agreed to meet with the City Manager individually to provide detailed constructive feedback on performance as well as provide a public assessment. This item is the placeholder for that assessment.

Project No.: Funding Account No.:

ATTACHMENTS:

Robin Fenwick
Jake Johansson
Robin Fenwick

Created/Initiated - 03/20/2017
Approved - 03/22/2017
Final Approval - 03/23/2017
