

APOPKA CITY COUNCIL AGENDA
July 19, 2017 7:00 PM
APOPKA CITY HALL COUNCIL CHAMBERS
Agendas are subject to amendment through
5:00pm on the day prior to City Council Meetings

CALL TO ORDER

INVOCATION - Pastor Waldemar Serrano of Remnant Christian Center.

PLEDGE

APPROVAL OF MINUTES:

1. City Council regular meeting June 21, 2017.

AGENDA REVIEW

PUBLIC COMMENT; STAFF RECOGNITION AND ACKNOWLEDGEMENT

Public Comment Period:

The Public Comment Period is for City-related issues that may or may not be on today's Agenda. If you are here for a matter that requires a public hearing, please wait for that item to come up on the agenda. If you wish to address the Council, you must fill out an Intent to Speak form and provide it to the City Clerk prior to the start of the meeting. If you wish to speak during the Public Comment Period, please fill out a green-colored Intent-to-Speak form. If you wish to speak on a matter that requires a public hearing, please fill out a white-colored Intent-to-Speak form. Speaker forms may be completed up to 48 hours in advance of the Council meeting. Each speaker will have four minutes to give remarks, regardless of the number of items addressed. Please refer to Resolution No. 2016-16 for further information regarding our Public Participation Policy & Procedures for addressing the City Council.

Presentations:

1. Presentation of checks through the Guns & Hoses Basketball Competition to Nikki McGuire of N.A.O.M.I. Kids & Danyiel Yarbrough of New Journey Youth Center. Chief McKinley
2. Presentation of trophy to Officer Robert Campbell and APD Walk Like MADD Team. Chief McKinley

CONSENT (Action Item)

1. Award a contract for the installation of reclaimed water main pipe along Ocoee-Apopka Rd.
2. Award a contract for the purchase of ductile iron pipe and fittings for the reclaimed water main along Ocoee-Apopka Rd.

BUSINESS (Action Item)

1. Authorize an agreement for the processing & marketing of Apopka curbside recycling material. Jay Davoll
2. Approve emergency repairs to the Water Reclamation Facility North Clarifier. Jay Davoll
3. Approve the Emergency Roof Replacement of the Fire Administration/Fire Station #1 Facility. Jay Davoll
4. Contingent mediated settlement agreement for Richard D. Anderson. Attorney Cliff Shepard
5. Apopka Comprehensive Plan - 2017 Evaluation & Appraisal Report (EAR) David Moon

PUBLIC HEARINGS/ORDINANCES/RESOLUTION (Action Item)

1. Ordinance No. 2525 - Insubstantial Change to PUD Development Condition D.4. – Apopka Holdings, LLC David Moon

CITY COUNCIL REPORTS

MAYOR'S REPORT

ADJOURNMENT

MEETINGS AND UPCOMING EVENTS

DATE	TIME	EVENT
July 20, 2017	3:00pm – 6:00pm	Budget Workshop
July 25, 2017	6:00pm –	Planning Commission Special Meeting – Errol Estates
August 2, 2017	1:30pm –	Council Meeting
August 3, 2017	5:30pm – 9:00pm	Food Truck Round Up
August 8, 2017	5:30pm –	Planning Commission Meeting
August 11, 2017	3:00pm – 5:00pm	Back to School Bash – Lake Avenue Park
August 14, 2017	6:30pm –	CONA Meeting – UCF Apopka Business Incubator
August 16, 2017	7:00pm –	Council Meeting
August 19, 2017	9:00am – 12:00pm	PlayBall with MLB – Alonzo Williams Park
August 22, 2017	5:30pm –	Council Special Meeting – Errol Estates
August 28, 2017	10:00am – 11:00am	Lake Apopka Natural Gas District Board Meeting: Winter Garden

Individuals with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk at least two (2) working days in advance of the meeting date and time at (407) 703-1704. F.S. 286.0105 If a person decides to appeal any decision or recommendation made by Council with respect to any matter considered at this meeting, he will need record of the proceedings, and that for such purposes he may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Any opening invocation that is offered before the official start of the Council meeting shall be the voluntary offering of a private person, to and for the benefit of the 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 or non-religious beliefs or views of such speaker. Persons in attendance at the City Council meeting are invited to stand during the opening ceremony. 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 or to participate in the Pledge of Allegiance. You may remain seated within the City Council Chambers or exit the City Council Chambers and return upon completion of the opening invocation and/or Pledge of Allegiance if you do not wish to participate in or witness the opening invocation and/or the recitation of the Pledge of Allegiance.

Backup material for agenda item:

1. City Council regular meeting June 21, 2017.

CITY OF APOPKA

Minutes of the City Council regular meeting held on June 21, 2017, at 7:30 p.m., in the City of Apopka Council Chambers.

PRESENT: Mayor Joe Kilsheimer
Commissioner Billie Dean
Commissioner Diane Velazquez
Commissioner Doug Bankson
Commissioner Kyle Becker
City Attorney Cliff Shepard
City Administrator Glenn Irby

PRESS PRESENT: Teresa Sargeant - The Apopka Chief
Steve Hudak, Orlando Sentinel
Reggie Connell, The Apopka Voice
WFTV News
WESH News
FOX News

INVOCATION: Mayor Kilsheimer introduced Pastor John Fisher, First United Methodist Church of Apopka, who gave the invocation.

PLEDGE OF ALLEGIANCE: Mayor Kilsheimer said on June 17, 1885, the Statue of Liberty arrived by ship at Bedloe Island in New York Harbor. The statue was designed by Frenchman Frédéric Auguste Bartholdi and Gustave Eiffel and it was a gift to the people of America from the people of France to commemorate the 100th Anniversary of the Declaration of Independence. The copper and iron structure, which arrived in more than 350 pieces, was reassembled and dedicated in 1886, where she stood watch over more than 12 million immigrants that entered America through Ellis Island. Lady Liberty became a symbol of America as a land of freedom and opportunity. He asked everyone to reflect upon the America ideas of freedom, hope, and opportunity that Lady Liberty represents as he led in the Pledge of Allegiance.

AGENDA REVIEW: Mr. Irby announced there was an item to add under Business for a street closure of Shirley Drive for a Street Party.

PUBLIC COMMENT/STAFF RECOGNITION AND ACKNOWLEDGEMENT

Public Comment:

Ross Duke said his reason for being here is that he is the client service manager for Redflex Traffic Systems. He recommended to Council that the City go out to RFP to allow the evaluation of new technology and also to make sure they are getting the best price for the program.

David Leavitt said he lives in Longwood, however, he has businesses throughout Central Florida, including Apopka. He stated Council will hear today from proponents of red light cameras statistics and data based on flawed and biased information that most likely can be traced back to

the camera vendor. He said ATS employees and several lobbyists make a living spreading biased information in Tallahassee and beyond. He declared Seminole County did not have any red light cameras. He owns a company that employs 80 people and has a fleet of 20 vehicles who have the unpleasant and unsafe need to drive through communities with red light cameras like Apopka. He stated they have a company policy warning drivers in their business to be careful of rear end collisions while driving through cities like Apopka. He asked that prior to approving this renewal that all seven police chiefs in Seminole County be polled, as well as the Seminole County Sheriff. He said out of 477 jurisdictions in Florida that have the opportunity to have red light cameras, only 59 jurisdictions have them.

Glen Chancy said when he and some other activists first became interested they founded "Ban the Cams" in 2010. They drafted a study along with some additional friends that looked at the City of Apopka's program and catalogued a number of statistics and talked about how red light cameras tend to increase rear end collisions and how they really are not a safety issue. He stated this was all put into a report and circulated. He said there were two pitches made regarding red light cameras, one by the Astroturf organizations set up and maintained by the red light camera companies that pretend to be public safety specialists and public servants that echo that pitch, then there is the other pitch about the money. He stated there has been evidence that these are not very lucrative programs for the sponsoring jurisdictions. He also agreed it would be a good idea to do an RFP. He declared this was not about safety and it never has been. He said it was an additional tax on motorists and works by manipulating yellow light times, creating unsafe conditions so to write more tickets to pay the high costs of these programs. He declared the city did not need the program.

Aaron Drummond said he has been a resident for over 10 years and this was the first time he has ever been in the Council Chamber. He stated he has never received a ticket from the red light cameras, but he has been in a rear end accident at a light in Apopka, stating his wife still sees a chiropractor as a result. He said he has researched red light cameras online and it seems to be a common theme of increased rear end collisions. He stated he did not see this as a safety issue and felt it was about revenue generation. He has had people tell him that they do not want to come to Apopka because of the red light cameras. He said this was not the reputation we want and urged that they get rid of the red light cameras.

Edward Wagner said the red light cameras have nothing to do with liberty and that is the principle our country was founded upon. He stated these cameras were not even made from this state and are brought in and calibrated from another state. He said it takes more officials to look at the cameras, calibrate them, and look at everything that goes on with it, then deny justice to the people, deny due process, and deny the right to face your accusers. He said Florida came close last year to have red light cameras outlawed and many states have already outlawed them. He said this was madness and needed to stop. He declared these cameras were anti-American.

Wayne Jackman said he did not live in Apopka, but he has been in Orange County since 1975, a graduate from Evans and UCF. He said he is employed here and pays taxes to the county, gas taxes on the federal, state, and county levels, stating these get funneled through here. He said red light cameras are going to be on major roads and if his vehicle comes through Apopka, whether he is driving or not, he would receive a ticket demanding a fine. He stated these red light cameras are Darth Vader, they are judge, jury, and executioner. He stated they are a witness that takes no oath

and cannot be cross examined which is against everything a defendant is allowed to have in court. He said the people here that came to oppose these are members of the republic who stand against tyranny.

Randy Wiseman said he lives in Mount Dora and he is here as one of the representatives of the Libertarian Party and said he is a candidate for governor for that party. He stated he has a big concern with our personal liberties and how they are being handled. He said he recognized specifically the City Council is the governing body of this City and that is the way it should be. They should be making the decisions they feel are best for the City and he recognizes and respects that. He stated he thinks the red light cameras impose on our personal liberties to the degree we do not have our day in court. He said the people of Apopka and the people who drive through the city have the right, and Council owes them the respect to allow them to be face to face policed. He stated someone getting a ticket from one of the officers will consider not doing this again, and red light cameras do not do that. He commended the City Council and said he knew they would do the right thing based on their consciences.

Robert Webster said he has served as a judicial officer and has strong feelings about the Constitution and Bill of Rights. He said there is no law he has ever read that has come as close to being illegal as the red light camera law. He said the red light cameras violate every covenant and law in our republic. He spoke of the traffic that lines up on Welch Road to turn right onto Rock Springs Road because of the red light camera. He suggested the City Council vote adamantly under no condition that red light cameras be used.

Derek Ryan said he lives in Apopka and two members of his family have served as Mayor in the 1930's, and he stated LeRoy Gilliam was his grandfather. He stated he is the chairman of the Libertarian Party of Orange County and they were actively recruiting candidates. He stated he works in sales and drives a lot of miles each year having his share of red light cameras. He said there have been a lot of quality arguments against the red light cameras and believes Council will do the right thing and get the cameras out.

Henry Bentley said he lives in Apopka and a lot has been said about the red light cameras. He said he has noticed the City of Apopka has shortened the length of the yellow lights and asked why. He stated while the time was lengthened there were less accidents.

Mayor Kilsheimer advised the Department of Transportation sent a letter warning the City of Apopka that the yellow light times had to be restored to the prescribed length. He further explained these are regulated by the Department of Transportation.

Mark Schmidter said he is resident of Orange County and frequently drives through Apopka. He declared by supporting this, the Commission was violating their oath of office to the Constitution of the United States. He said he wanted justice for his grandchildren and stated the only way to fight it is under federal civil rights, violating their oath of office, which is a \$250,000 fine and is not covered under any insurance policy.

CONSENT (Action Item)

1. Authorize the disposal of surplus equipment/property.

MOTION by Commissioner Becker, and seconded by Commissioner Velazquez, to approve one item on the Consent Agenda. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

BUSINESS

1. Authorize the Renewal Agreement with American Traffic Solutions for the Intersection Safety Program.

Captain Fernandez provided an overview, stating there is some misinformation out regarding how the camera program actually works. In 2007, the City of Apopka was one of the first cities in Florida to put a program like this in place. He stated from 2007 to 2010, it was a local program under a local ordinance. In 2010, the Mark Wandall Act was written bringing intersection safety camera programs under the umbrella of the Florida Legislature and how they are managed. At that time our program was modified to meet those standards. The Mark Wandall Act was updated in 2013, and the legislature put in place alternative procedures for challenging the notices of violation, insuring a local due process. He advised a formal RFP process was done in 2007 and since that time American Traffic Solutions (ATS) was chosen as the vendor and they have been our vendor for the last ten years. He explained the City of Apopka traffic specialists and police officers review these violations for accuracy and consistency prior to a notice being issued. He reviewed several videos of violations pointing out the date and time, and amber phase time are listed on the photographs and videos, as well as the speed limit. He explained the amber phase time is set by FDOT based upon the speed limit. He said the goal of red light cameras is to change the behavior of drivers. He showed a video of a story by Channel 9 News on the complaint of red light cameras causing rear end crashes and that yellow lights are shortened to increase ticket revenues. They reported the State sets required minimums for yellow light times, as well as reporting that on the rare occasion it does not meet the State standard, the violation is thrown out. The yellow lights that were surveyed met FDOT standards set for the yellow light time. They reported their investigation revealed that rear end crashes went down where red light cameras were installed, as well as a big reduction in T-bone crashes. The investigation proved that drivers are changing their habits. Captain Fernandez reported that most people who receive a red light camera violation do not receive a second violation, showing that this does result in habit change. He discussed right hand turns on red and said out of 11,000 notices of violations on right hand turns, more than 10,000 of the violations reviewed were dismissed. He reiterated they were looking to modify behavior.

Commissioner Becker thanked Captain Fernandez and Chief McKinley for the additional information provided. He said he does not support anyone that runs red lights. He stated he fully supports the laws in place, stating the point of the program is really about reducing the amount of violations. He went on to reference information provided on the Intersection Safety Program questioning some of the numbers and statistics provided.

Commissioner Velazquez expressed concern regarding the City having 21 cameras. She suggested an evaluation of the number of cameras needed and added that they remain at the busiest intersections and providing safety for pedestrians.

Captain Fernandez said the contract was not per camera and they could look at all intersections to determine if any could be removed. He advised there were 10 intersections that utilized the

21 cameras.

Commissioner Dean inquired as to the revenue/expenses reporting the collection of \$3,713,657 from October 1, 2015 through September 30, 2016. Out of this amount \$965,706 was city revenue. He inquired how the company received their revenue, to which Captain Fernandez explained this was a fully funded program funded by the violators.

In response to Commissioner Bankson inquiring to the legal aspect of surveillance, City Attorney Shepard advised the court has looked at all aspects and legal involvement of all aspects regarding this type of surveillance. He stated these cameras are public, on public roads. He stated one of the protections built into the law allows for the owner of the vehicle to file an affidavit stating who had the vehicle at the time.

Erin DeYoung, Attorney for the Apopka Police Department, added a judge will look at the affidavit and if it is filled out appropriately, the red light camera ticket is automatically dismissed by the court and is reassigned to the person that was driving the vehicle. She stated the courts have decided with red light camera tickets, you have the ability and right to cross examine the officer and make any objections to the video. She affirmed cases are often prosecuted based on surveillance video.

MOTION by Commissioner Velazquez, and seconded by Commissioner Bankson to approve the renewal agreement with American Traffic Solutions for the intersection safety program with the caveat to renegotiate if 21 cameras are needed. Motion carried three/two with Mayor Kilsheimer, and Commissioners Velazquez, and Bankson voting aye and Commissioners Dean and Becker voting nay.

Council recessed at 9:24 p.m. and reconvened at 9:35 p.m.

2. 5th Street Parking Lot sale by the Downtown Parking Association to the Community Redevelopment Agency (CRA).

James Hitt, Community Development Director, said the Fifth Street parking lot was owned by 15 entities, five shares of which are the City of Apopka. He stated there is an opportunity to continue the CRA Plan and in order to get this property under the CRA ownership, this property needs to be sold. In order to do this, the City of Apopka needs to give up their shares to the Downtown Parking Association. The Downtown Parking Association will in turn sell the property to the CRA.

Mayor Kilsheimer advised this authorizes Mr. Irby to cast our votes tomorrow in favor of the sale.

MOTION by Commissioner Becker, and seconded by Velazquez to approve authorizing the Fifth Street parking lot sell by the Downtown Parking Lot Association. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

3. Budget Items for FY 2017 in accordance with the CRA Redevelopment Plan 2017 - Update.

Mr. Hitt said these budget items were covered during the CRA meeting and they are a continuation of the CRA Plan and were approved at the CRA meeting just prior to this Council meeting. The City Council also needs to approve these budget items.

MOTION by Commissioner Velazquez, and seconded by Commissioner Dean to approve the budget items for FY 2017 in accordance with the CRA Redevelopment Plan 2017 Update. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

4. Final Development Plan – Lake Lucie Equestrian Trail Head – 43 Rainey Road.

Mayor Kilsheimer announced this was a quasi-judicial hearing. Witnesses were sworn in by the Clerk.

Pam Richmond, Senior Planner, reviewed the Trail Head for the Lake Lucie Equestrian project and reviewed the location. Overall the site is 166 acres and the trail head sits on 50,000 square feet to the east side of Rainey Road. She said the trash receptacle will be maintained by Orange County Recreation. Crushed concrete will be used for the parking surface, with the exception of the handicap spaces that will be paved. She pointed out there is a current trail being used and this is the path it will take. She advised the landscape plan meets the Land Development Code. She advised this site plan was laid out with great care to limit the number of tree removal and preserve the natural environment. The Planning Commission recommends approval of the Final Development Plan.

MOTION by Commissioner Bankson, and seconded by Commissioner Becker, to approve the Final Development Plan for the Lake Lucie Equestrian Trail Head. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

5. Request for Street Closure for Street Party.

Mr. Irby said a resident on Shirley Drive in the cul-de-sac has requested to hold a block party closing the cul-de-sac. The City has requested a letter from all property owners affected stating they are aware of the closure and have no objection, as well as a certificate of insurance from the HOA listing the City as an additionally insured for the event. He advised the barricades need to be easily removed should the need arise for an emergency vehicle to enter the area. Staff recommends approval.

MOTION by Commissioner Velazquez, and seconded by Commissioner Becker to approve the street closure of Shirley Drive for a Street Party provided they satisfy the conditions as presented. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

PUBLIC HEARINGS/ORDINANCES/RESOLUTION

- 1. Ordinance No. 2569 – Second Reading – Temporary Moratorium – Medical Cannabis Dispensing.** - The City Clerk read the title as follows:

ORDINANCE NO. 2569

AN ORDINANCE ESTABLISHING AN EXTENSION OF THE TEMPORARY MORATORIUM ON THE DISPENSING OF MEDICAL CANNABIS WITHIN THE CITY OF APOPKA UNTIL AUGUST 30, 2017; PROHIBITING ANY AND ALL DISPENSING OF MEDICAL CANNABIS DURING THE MORATORIUM PERIOD FOR ANY PROPERTY WITHIN THE CITY OF APOPKA; ADOPTING FINDINGS OF FACT; PROVIDING DEFINITIONS; AND PROVIDING AN EFFECTIVE DATE.

Mayor Kilsheimer opened the meeting to a public hearing. No one wishing to speak, he closed the public hearing.

MOTION by Commissioner Velazquez, and seconded by Commissioner Bankson, to adopt Ordinance No. 2569. Motion carried four/one with Mayor Kilsheimer, and Commissioners Dean, Velazquez, and Bankson voting aye and Commissioner Becker voting nay.

2. **Ordinance No. 2570 – Second Reading – Annexation – 2255 & 2267 West Kelly Park Road.** The City Clerk read the title as follows:

ORDINANCE NO. 2570

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, TO EXTEND ITS TERRITORIAL AND MUNICIPAL LIMITS TO ANNEX PURSUANT TO FLORIDA STATUTE 171.044 THE HEREINAFTER DESCRIBED LANDS SITUATED AND BEING IN ORANGE COUNTY, FLORIDA, OWNED BY MYUNG SOO HAN & KATHERINE HAN LOCATED AT 2255 & 2267 WEST KELLY PARK ROAD; PROVIDING FOR DIRECTIONS TO THE CITY CLERK, SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

Mayor Kilsheimer opened the meeting to a public hearing. No one wishing to speak, he closed the public hearing.

MOTION by Commissioner Dean, and seconded by Commissioner Becker, to adopt Ordinance No. 2570. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

3. **Ordinance No. 2571 – Second Reading – Annexation – 2309 West Kelly Park Road.** The City Clerk read the title as follows:

ORDINANCE NO. 2571

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, TO EXTEND ITS TERRITORIAL AND MUNICIPAL LIMITS TO ANNEX PURSUANT TO FLORIDA STATUTE 171.044 THE HEREINAFTER DESCRIBED LANDS SITUATED AND BEING IN ORANGE COUNTY, FLORIDA,

OWNED BY CHOE BONG JIN AND CHONG SOON LOCATED AT 2309 WEST KELLY PARK ROAD; PROVIDING FOR DIRECTIONS TO THE CITY CLERK, SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

Mayor Kilsheimer opened the meeting to a public hearing. No one else wishing to speak, he closed the public hearing.

MOTION by Commissioner Bankson, and seconded by Commissioner Dean, to adopt Ordinance No. 2571. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

4. **Ordinance No. 2572 – Second Reading – Annexation – 2405 West Kelly Park Road.** The City Clerk read the title as follows.

ORDINANCE NO. 2572

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, TO EXTEND ITS TERRITORIAL AND MUNICIPAL LIMITS TO ANNEX PURSUANT TO FLORIDA STATUTE 171.044 THE HEREINAFTER DESCRIBED LANDS SITUATED AND BEING IN ORANGE COUNTY, FLORIDA, OWNED BY LEE WON CHUL & MUONG SEA LOCATED AT 2405 WEST KELLY PARK ROAD; PROVIDING FOR DIRECTIONS TO THE CITY CLERK, SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

Mayor Kilsheimer opened the meeting to a public hearing. No one else wishing to speak, he closed the public hearing.

MOTION by Commissioner Velazquez, and seconded by Commissioner Becker, to adopt Ordinance No. 2572. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

5. **Ordinance No. 2573 – Second Reading – Annexation – 4650 Jason Dwelley Parkway.** The City Clerk read the title as follows.

ORDINANCE NO. 2573

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, TO EXTEND ITS TERRITORIAL AND MUNICIPAL LIMITS TO ANNEX PURSUANT TO FLORIDA STATUTE 171.044 THE HEREINAFTER DESCRIBED LANDS SITUATED AND BEING IN ORANGE COUNTY, FLORIDA, OWNED BY GEORGE W. THUM, JR. LOCATED AT 4650 JASON DWELLEY PARKWAY; PROVIDING FOR DIRECTIONS TO THE CITY CLERK, SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

Mayor Kilsheimer opened the meeting to a public hearing. No one else wishing to speak, he closed the public hearing.

MOTION by Commissioner Becker, and seconded by Commissioner Bankson, to adopt

Ordinance No. 2573. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

6. **Ordinance No. 2574 – Second Reading – Annexation – 355 West Orange Blossom Trail.** The City Clerk read the title as follows.

ORDINANCE NO. 2574

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, TO EXTEND ITS TERRITORIAL AND MUNICIPAL LIMITS TO ANNEX PURSUANT TO FLORIDA STATUTE 171.044 THE HEREINAFTER DESCRIBED LANDS SITUATED AND BEING IN ORANGE COUNTY, FLORIDA, OWNED BY BIBUBOO, LLC LOCATED AT 355 WEST ORANGE BLOSSOM TRAIL; PROVIDING FOR DIRECTIONS TO THE CITY CLERK, SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

Mayor Kilsheimer opened the meeting to a public hearing. No one else wishing to speak, he closed the public hearing.

MOTION by Commissioner Bankson, and seconded by Commissioner Velazquez, to adopt Ordinance No. 2574. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

7. **Ordinance No. 2575 – Second Reading – Annexation – 3606 Fudge Road.** The City Clerk read the title as follows.

ORDINANCE NO. 2575

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, TO EXTEND ITS TERRITORIAL AND MUNICIPAL LIMITS TO ANNEX PURSUANT TO FLORIDA STATUTE 171.044 THE HEREINAFTER DESCRIBED LANDS SITUATED AND BEING IN ORANGE COUNTY, FLORIDA, OWNED BY CHARLES AND BETTY BROWN LOCATED AT 3606 FUDGE ROAD; PROVIDING FOR DIRECTIONS TO THE CITY CLERK, SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

Mayor Kilsheimer opened the meeting to a public hearing. No one else wishing to speak, he closed the public hearing.

MOTION by Commissioner Dean, and seconded by Commissioner Becker, to adopt Ordinance No. 2575. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

8. **Ordinance No. 2576 – Second Reading – LDC Amendment – Kelly Park Interchange Mixed Use Zoning District.** The City Clerk read the title as follows.

ORDINANCE NO. 2576

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, AMENDING

THE APOPKA CODE OF ORDINANCES, PART III, LAND DEVELOPMENT CODE, ARTICLE II – “LAND USE TYPE, DENSITY, INTENSITY” TO CREATE A NEW SECTION 2.02.21 ENTITLED “KELLY PARK INTERCHANGE MIXED USE DISTRICT;” PROVIDING FOR DIRECTIONS TO THE CITY CLERK; SEVERABILITY; CONFLICTS; AND AN EFFECTIVE DATE.

Mayor Kilsheimer opened the meeting to a public hearing.

Jim Hall, VHB, said the City Council and City staff are to be commended on the work that has gone into this, stating they have approached it in the right way, requiring a Form-Based Code to control the form of development and place making. He stated this ordinance establishes the mixed-use zoning district, and one part of this ordinance states they will also adopt some design guidelines, which were written several years ago and were citywide. He said there were many inconsistencies between the Design Guidelines and Form-Based Code. He said the Form-Based Code was very well written. The one issue they have with this mixed-use zoning district is that it makes it mandatory and causes many elevated areas. He declared his only objection is the inclusion of the word “mandatory” stating if the Design Guidelines are left as they were, they would be good, and then the Form-Based Code would cover everything you would have to do in developing the Kelly Park Interchange Vision Plan.

Pat Tyjeski, Senior Planner, S&ME, advised this was mandatory only if you do mixed use. She said residential development is subject to those design standards just like anybody else in the City. She stated if you do a mixed use outside the Form-Based Code area, then those standards would be mandatory. She advised the design standards can be updated at any time in the future.

David Moon advised the City was currently undergoing a major rewrite of the Land Development Code (LDC) and the guidelines will be merged into the body of the LDC. He said a lot of the inconsistencies will be eliminated with this update.

Mr. Hall said if this is not affecting his clients, Bridle Path and Orlando Beltway, he will waive his objection.

No one else wishing to speak, he closed the public hearing.

MOTION by Commissioner Velazquez and seconded by Commissioner Dean, to adopt Ordinance No. 2576. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

9. **Ordinance No. 2577 – Second Reading – LDC Amendment – Kelly Park Crossing Form-Based Code.** The City Clerk read the title as follows.

ORDINANCE NO. 2577

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, AMENDING THE APOPKA CODE OF ORDINANCES, PART III, LAND DEVELOPMENT CODE, ARTICLE III – “OVERLAY ZONES” TO CREATE A NEW SECTION 3.06.00 ENTITLED “KELLY PARK

CROSSING FORM-BASED CODE;” PROVIDING FOR DIRECTIONS TO THE CITY CLERK; SEVERABILITY; CONFLICTS; AND AN EFFECTIVE DATE.

James Hitt, Community Development Director, said over the last few weeks they have met with some of the developers and staff has significantly reviewed the Form-Based Code. As a result, there is a list of edited items included in the packet for minor changes made.

Mayor Kilsheimer opened the meeting to a public hearing.

Jeff Welch, Rochelle Holdings, complimented Ms. Tyjeski and the city staff for the hard work put into this. He said this is a document that will need to be tweaked as opportunities with end users come. He stated as known, the Department of Economic Opportunity required adoption of some level of Form-Based Code for any of the projects to move forward. He said he would like to see this adopted tonight in order to move forward with a lot of great opportunities in Apopka.

Jim Hall said they met extensively with staff over the neighborhood district and some of the residential areas. He stated there was great repartee back and forth and the amendments made to the Form-Based Code are right on. He declared they want to see this be the most successful project seen in Apopka and for this area to take off and be a great success for the overall community. He stated for the Orlando Beltway that has some of the nonresidential land, when the issue comes up that you want to be urban, then you are talking about streets with curb and gutter and buildings are closer to the street. In the current instance there are rural road sections, and he suggested they start to consider how these roads will transform from a rural road to ultimately an urban road and how this will be funded.

No one else wishing to speak, Mayor Kilsheimer closed the public hearing.

MOTION by Commissioner Becker, and seconded by Commissioner Bankson, to adopt Ordinance No. 2577. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

- 10. Resolution No. 2017-10 – Community Redevelopment Agency’s CRA Redevelopment Plan 2017 - Update.** The City Clerk read the title as follows.

RESOLUTION NO. 2017-10

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF APOPKA, FLORIDA, APPROVING A COMMUNITY REDEVELOPMENT PLAN FOR THE COMMUNITY REDEVELOPMENT AGENCY LOCATED IN THE CITY OF APOPKA; MAKING FINDINGS; PROVIDING FOR AN EFFECTIVE DATE.

Mr. Hitt advised this was the same plan as discussed during the CRA meeting and there have been no changes.

Mayor Kilsheimer opened the meeting to a public hearing. No one else wishing to speak, he

closed the public hearing.

MOTION by Commissioner Velazquez and seconded by Commissioner Bankson, to approve Resolution No. 2017-10. Motion carried unanimously with Mayor Kilsheimer, and Commissioners Dean, Velazquez, Becker, and Bankson voting aye.

CITY COUNCIL REPORTS – No reports.

MAYOR'S REPORT

Mayor Kilsheimer said the City Council needed to discuss the hearing schedule for the Errol Estate Project. The project went to DRC and is scheduled before the Planning Commission at a special meeting on Tuesday, July 25, 2017, Apopka Community Center at 6:00 p.m. He stated if the vote is to transmit this to the State Department of Economic Opportunity, Council will need to hold a hearing. Due to the expected number in attendance, staff has proposed holding these hearings as alternative meetings at the Community Center.

It was the consensus of the City Council to hold the meeting for the Errol Estate project on Tuesday, August 22, 2017, at 5:30 p.m. at the Community Center.

ITEMS NOT REQUIRING ACTION

1. Thank you email from a resident to the Utility Billing Department.
2. Thank you email on the behalf of a resident to the Police & Fire Departments.
3. Thank you letter from GFWC Apopka Woman's Club for City's assistance with 56th Annual Apopka Art & Foliage Festival.

ADJOURNMENT – There being no further business the meeting adjourned at 10:13 p.m.

Joseph E. Kilsheimer, Mayor

ATTEST:

Linda F. Goff, City Clerk

Backup material for agenda item:

1. Award a contract for the installation of reclaimed water main pipe along Ocoee-Apopka Rd.



CITY OF APOPKA CITY COUNCIL

- CONSENT AGENDA
- PUBLIC HEARING
- SPECIAL REPORTS
- OTHER:

MEETING OF: July 19, 2017
 FROM: Public Services
 EXHIBITS: N/A

**SUBJECT: RECLAIMED WATER SYSTEM EXTENSION OCOEE-APOPKA RD. / C.R. 437-A
 (W. KEENE RD. – PARKSTONE BLVD.)**

**REQUEST: AWARD CONTRACT TO PROVIDENCE CONSTRUCTION & DEVELOPMENT
 COMPANY IN THE AMOUNT OF \$428,914.00**

SUMMARY:

Public Services received sealed bids from two (2) companies to perform the installation of the Reclaimed Water Main pipe along Ocoee –Apopka Rd. The bids are as follows:

Company

Go Underground Utilities, LLC	\$596,850.00
Providence Construction & Development Company	\$428,914.00

Project consists of installing approximately 2,300 L.F. of 16” pipe within the right-of-way. The project further consists of furnishing all transportation, equipment, labor, services and supplies necessary to install the pipe. The City will purchase and furnish pipe, fittings and misc. appurtenances for the project..

FUNDING SOURCE:

Reclaimed Impact Fee FY 17

RECOMMENDATION ACTION:

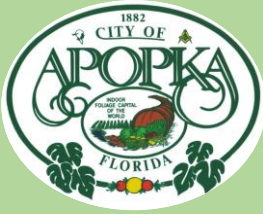
Approve the low bid amount of \$428,914.00 from Providence Construction & Development Company with a 10% contingency amount of \$42,891.40 for a total amount of \$471,805.40

DISTRIBUTION

Mayor Kilsheimer	Finance Director	Public Services Director
Commissioners	HR Director	Recreation Director
City Administrator	IT Director	City Clerk
Community Development Director	Police Chief	Fire Chief

Backup material for agenda item:

2. Award a contract for the purchase of ductile iron pipe and fittings for the reclaimed water main along Ocoee-Apopka Rd.



CITY OF APOPKA CITY COUNCIL

- CONSENT AGENDA
- PUBLIC HEARING
- SPECIAL REPORTS
- OTHER:

MEETING OF: July 19, 2017
 FROM: Public Services
 EXHIBITS: N/A

**SUBJECT: PIPE PURCHASE FOR THE RECLAIMED WATER SYSTEM EXTENSION
 OCOEE-APOPKA RD. / C.R. 437-A (W. KEENE RD. – PARKSTONE BLVD.)**

REQUEST: AWARD CONTRACT TO HD SUPPLY IN THE AMOUNT OF \$115,430.53

SUMMARY:

Public Services received sealed bids from four (4) companies for the purchase of Ductile Iron Pipe and Fittings for the Reclaimed Water Main Pipe along Ocoee –Apopka Rd. The bids are as follows:

<u>Company</u>	
HD Supply Waterworks, Ltd	\$115,430.53
Ferguson Water Works	\$124,285.10
Consolidated Pipe & Supply	\$131,393.58
Fortiline Waterworks	\$126,656.78

Project consists of furnishing all pipe, fittings and miscellaneous appurtenances necessary to install the Reclaimed Water Main Pipe including delivery thereof.

FUNDING SOURCE:

Fund 403 - Reclaimed Water Impact Fees

RECOMMENDATION ACTION:

Approve the low bid amount of \$115,430.53 from HD Supply Waterworks, Ltd with a 10% contingency amount of \$11,543.05 for a total amount of \$126,973.58

DISTRIBUTION

Mayor Kilsheimer	Finance Director	Public Services Director
Commissioners	HR Director	Recreation Director
City Administrator	IT Director	City Clerk
Community Development Director	Police Chief	Fire Chief

Backup material for agenda item:

1. Authorize an agreement for the processing & marketing of Apopka curbside recycling material. Jay Davoll



CITY OF APOPKA CITY COUNCIL

- CONSENT AGENDA
- PUBLIC HEARING
- SPECIAL REPORTS
- OTHER: Business

MEETING OF: July 19, 2017
 FROM: Public Services
 EXHIBITS:

SUBJECT: CITY OF APOPKA CURBSIDE RECYCLING PROCESSING AND MARKETING FEE INCREASE.

REQUEST: AUTHORIZE AN AGREEMENT WITH WASTE MANAGEMENT INC. OF FLORIDA

SUMMARY:

Orange County’s Contract No. Y3-1021, with Waste Management Inc. of Florida, expired on June 30, 2017, for the processing of recycling materials. Under this contract, the City paid no processing fees and received no rebates. In April 2017, Orange County advertised Bid No. Y17-1072, for the processing of recycling materials, but received five (5) “No Bid” responses. On June 21, 2017, Orange County entered into a six-month extension of Contract No. Y3-1021, with the opportunity for one six-month renewal, with Waste Management Inc. of Florida. The contract extension provides for a new \$42.00 per ton processing fee for recycling materials. The City has historically benefitted from being able to take recycling materials to the County at a zero cost per ton disposal fee. This increase in cost was not anticipated by the County as is not reflected in the current City budget for Sanitation Landfill Fees. Due to the timing of Orange County’s bid, the City was not in a position to advertise a Request for Proposal (RFP) for the disposal of recycling materials in a timely manner.

The City collects an average of 183 tons per month, or 2,196 tons per year, of recycling material. As a comparison, Orange County collects in excess of 30,000 tons per year. The economies of scale indicate it is in the City’s interest to continue to piggyback Orange County’s contract for the disposal of recycling materials to obtain the best possible pricing. It is predicted that Orange County will re-bid within the next year based on the contract extensions referenced above.

The unanticipated cost for this six-month agreement is \$46,116. The monthly cost is \$7,686 (183 tons/month x \$42.00/ton).

FUNDING SOURCE:

Fund 402 Sanitation Reserves Fund

RECOMMENDATION ACTION:

Authorize an agreement with Waste Management Inc. of Florida, piggybacking on Orange County contract Y3-1021 effective July 1, 2017 for the processing and marketing of the City of Apopka curbside recycling material for six months, in the amount of \$46,116, and an additional six months extension if approved within the next fiscal year budget.

DISTRIBUTION

- | | | |
|--------------------------------|------------------|--------------------------|
| Mayor Kilsheimer | Finance Director | Public Services Director |
| Commissioners | HR Director | Recreation Director |
| City Administrator | IT Director | City Clerk |
| Community Development Director | Police Chief | Fire Chief |

Backup material for agenda item:

2. Approve emergency repairs to the Water Reclamation Facility North Clarifier.



CITY OF APOPKA CITY COUNCIL

- CONSENT AGENDA
- PUBLIC HEARING
- SPECIAL REPORTS
- OTHER: BUSINESS

MEETING OF: July 19, 2017
 FROM: Public Services
 EXHIBITS:

SUBJECT: EMERGENCY REPAIRS TO THE WATER RECLAMATION FACILITY NORTH CLARIFIER

REQUEST: AUTHORIZE OVIVO USA, LLC TO PERFORM EMERGENCY REPAIRS TO THE WATER RECLAMATION FACILITY NORTH CLARIFIER IN THE AMOUNT OF \$81,860.

SUMMARY:

The Water Reclamation Facility experienced a terminal failure of the main drive unit on the North Clarifier. Staff contacted the manufacturer, Ovivo USA, LLC, (Ovivo) for assistance, as this is specialized work and cannot be accomplished using local companies. Ovivo staff disassembled the drive unit and determined that there was a failure of the main drive gears and seal. Additionally, staff contacted Brownie’s Septic Tanks to perform emergency solids removal and cleaning of the clarifier to enable disassembly and troubleshooting of the clarifier by Ovivo, in the amount of \$6,275. The clarifier is an essential component of the wastewater treatment process for the settling and removal of solids in the production of reclaimed water.

A proposal was received from Ovivo to disassemble the clarifier drive unit and troubleshoot the nature of the failure in the amount of \$21,060 and a second proposal was received to replace the drive unit and complete the emergency repairs in the amount of \$60,800, for a total repair cost of \$81,860.

FUNDING SOURCE:

Fund 401 Sewer Reserves Fund

RECOMMENDATION ACTION:

Approve Ovivo USA, LLC to perform the emergency repairs to the Water Reclamation Facility North Clarifier in the amount of \$81,860. Approve Brownie’s Septic Tanks emergency tank cleaning costs in the amount of \$6,275, for a total emergency repairs cost of \$88,135.

DISTRIBUTION

Mayor Kilsheimer	Finance Director	Public Services Director
Commissioners	HR Director	Recreation Director
City Administrator	IT Director	City Clerk
Community Development Director	Police Chief	Fire Chief

Backup material for agenda item:

3. Approve the Emergency Roof Replacement of the Fire Administration/Fire Station #1 Facility. Jay Davoll



CITY OF APOPKA CITY COUNCIL

- CONSENT AGENDA
- PUBLIC HEARING
- SPECIAL REPORTS
- OTHER: BUSINESS

MEETING OF: July 19, 2017
 FROM: Public Services
 EXHIBITS: Roof Inspection Report

SUBJECT: FIRE ADMINISTRATION/FIRE STATION #1 FACILITY EMERGENCY ROOF REPLACEMENT

Request: APPROVAL OF \$200,000 FOR THE EMEGENCY ROOF REPLACEMENT OF THE FIRE ADMINISTRATION/FIRE STATION #1 FACILITY

SUMMARY:

The City’s IT Server Room, 911 Call Center, Emergency Operations Center (EOC), Fire Administration and Fire Station #1, are located under the same roof. An interruption of service, even temporarily, to any of these services would be significant.

The flat portions of the Fire Administration/Fire Station #1 roof are in very poor or “failed condition” requiring immediate replacement. The reasons for the unsatisfactory conditions include the age of the existing roof system, multiple patches, failing repairs, membrane deterioration, and numerous areas of non-code compliant conduit and equipment.

The roof replacement will benefit from our membership in the U.S. Communities Government Purchasing Alliance. This is a national government cooperative purchasing program meeting Florida Statute Chapter 163 requirements, and allows the City to utilize competitively solicited contracts from other government agencies.

Cost: \$200,000 (estimated)

FUNDING SOURCE:

General Fund Reserves

RECOMMENDATION ACTION:

City Council Approve the Emergency Roof Replacement of the Fire Administration/Fire Station #1 Facility

DISTRIBUTION

- | | | |
|--------------------------------|------------------|--------------------------|
| Mayor Kilsheimer | Finance Director | Public Services Director |
| Commissioners | HR Director | Recreation Director |
| City Administrator | IT Director | City Clerk |
| Community Development Director | Police Chief | Fire Chief |

The Garland Company, Inc.

Roof Asset Management Program



City of Apopka - Fire Admin & Emergency Operation Center

Prepared By
Craig OHara

Prepared For
Mr. Jeffrey Plaughter

Table of Contents

<i>Emergency Operations Center / Facility Summary</i>	3
<i>Emergency Operations Center / Entire Roof / Construction Details</i>	4
<i>Emergency Operations Center / Entire Roof / Roof Section Photo</i>	5
<i>Emergency Operations Center / Entire Roof / Photo Report: Apr 11, 2017 - Assessment</i>	6
<i>Emergency Operations Center / Entire Roof / Solution: Apr 14, 2017</i>	13



Facility Summary

Client: City of Apopka

Facility: Emergency Operations Center



Facility Data

Address 1	175 E 5th St.
Address 2	-
City	Apopka
State	Florida
ZIP	32703
Type of Facility	Municipal
Contact Person	Jeff Plaughner

Asset Information

Name	Date Installed	Square Footage	Roof Access
Entire Roof		12,000	Ladder Needed



Construction Details

Client: City of Apopka

Facility: Emergency Operations Center

Roof Section: Entire Roof

Information

Year Installed	-	Square Footage	12,000
Slope Dimension	1/4:12	Eave Height	15
Roof Access	Ladder Needed	System Type	Built Up Roof (BUR)

Assembly

Roof #	Layer Type	Description	Attachment	R-Value	Thickness
1	Deck	Concrete		-	-
1	Insulation	Perlite	Hot asphalt	-	3"-7" (tapered)
1	Membrane	Mod Bit - 2 ply mineral surfaced	Hot asphalt	-	-

Details

Perimeter Detail	Wall Flashing, Metal Edge
Flashing Material	Modified Membrane
Drain System	Internal Roof Drains, Scuppers



Roof Section Photo

Client: City of Apopka

Facility: Emergency Operations Center

Report Date: 04/11/2017

Title: Assessment

Roof Section: Entire Roof

The purpose of this photo inspection is to assess the existing conditions of the Emergency Operations Center.

Currently the flat roof sections appear to be in failed condition and will need to be replaced as soon as budget allows. The primary reasons for this rating include the age of the existing roof system, multiple patches, failing repairs, membrane deterioration, and numerous areas of non-code compliant conduit and equipment.



Photo 1

Pitch Pocket Deterioration: Metal protrusions that penetrate the roof system to allow conduits to run from the rooftop into the building. Movement from the protrusion can break the waterproofing compound, creating cracks. Over time, the release of solvents from the compound can cause the material to shrink, leaving gaps along the edges of the pan and around structural support. Water can enter through a defective pitch pan and find its way into the interior of the building. Moisture can also penetrate into the roof system leading to premature failure.



Photo 2

The could pose an electrical fire/safety hazard if the box were to fall off its mount during a storm.



Photo 3

Roof section has been coated in what appears to be an acrylic coating. It is beginning to delaminate in several areas.



Photo 4

Patches are found throughout the lower main roof section as featured in this photo



Photo 5

Blisters: Soft spongy pockets or swellings in the roofing material. They occur between layers of felt or between the roof membrane and substrate. Air or moisture vapor entrapped within a blister expands as the roof and outside air temperatures rise. This results in sufficient pressure to push the roofing felts upwards and apart. Blisters may be ruptured by roof traffic, expanding frozen water, or hail (especially during colder weather). Some blisters may become so large as to affect drainage, which may then cause ponding water. Laps could also be pulled apart, resulting in leakage. A ruptured blister will immediately allow water to penetrate and damage the roof system.



Photo 6

Coping cap joints on upper roof section over the FD truck bay have been previously repaired. This material is beginning to dry out and crack which will lead to failure.



Photo 7

Delaminated coating examples



Photo 8

Cap sheet on lower main section has lost adhesion and has split open.



Photo 9

Unit is currently sitting on two pieces of deteriorated/rotted wood blocking. Proper metal stand/curb will need to be installed during roof replacement.



Photo 10

Special coordination will be required during the replacement of this roof as to not damage the complex wiring system that exists on this roof.



Photo 11

Pitch Pocket Deterioration: Metal protrusions that penetrate the roof system to allow conduits to run from the rooftop into the building. Movement from the protrusion can break the waterproofing compound, creating cracks. Over time, the release of solvents from the compound can cause the material to shrink, leaving gaps along the edges of the pan and around structural support. Water can enter through a defective pitch pan and find its way into the interior of the building. Moisture can also penetrate into the roof system leading to premature failure.



Photo 12

Bare or Exposed Felts: Weathering causes the roofs surfacing materials to oxidize and wear away after a period of time. Loss of protection from the surfacing material results in accelerated deterioration of the primary waterpoofers asphalt, along with the systems reinforcement plies which provide the strength for the system. Heat and UV rays dry out unprotected asphalt which then leave the bare reinforcement plies exposed to the elements. The exposed reinforcement will begin to absorb and wick moisture into the built up layers of the roof system. This condition leads to accelerated damage via blisters and interlayer delamination. Roof system damage occurs when these weakened areas of the roof system are affected by thermal shock, typical roof traffic and normal seasonal conditions.



Photo 13

Field of the upper roof (bay) - overview looking south.



Photo 14

Upper roof - overview looking west.



Photo 15

Blisters: Soft spongy pockets or swellings in the roofing material. They occur between layers of felt or between the roof membrane and substrate. Air or moisture vapor entrapped within a blister expands as the roof and outside air temperatures rise. This results in sufficient pressure to push the roofing felts upwards and apart. Blisters may be ruptured by roof traffic, expanding frozen water, or hail (especially during colder weather). Some blisters may become so large as to affect drainage, which may then cause ponding water. Laps could also be pulled apart, resulting in leakage. A ruptured blister will immediately allow water to penetrate and damage the roof system.



Photo 16

Core sample revealed lightweight concrete decking, perlite insulation and multi-ply BUR with gravel surfacing.

The insulation was deteriorated which is a result of moisture. This exposes your decking to potential issues as well as significant r-value loss.



Photo 17

gutter and downspout found on north elevation will need replaced along with edge metal which is rusting out in several spots.



Photo 18

Through wall scuppers on upper section over FD truck bay which connect to these downspouts.



Photo 19

Overview of metal decking on upper bay roof section.



Solution Options

Client: City of Apopka

Facility: Emergency Operations Center

Roof Section: Entire Roof

Replace Options

Solution Option:	Replace	Action Year:	2018
Square Footage:	12,000	Expected Life (Years):	30
Budget Range:	\$160,000.00 - \$180,000.00		

Please note the above cost is a budget number not a firm price. A firm price would be determined by a bid process. This replacement includes the following and is performed by a contractor:

This system will include the following:

- Remove existing roof system and abandoned equipment down to concrete roof deck
- Install Tapered ISO insulation in hot asphalt (staggering all joints)
- Install 1/2" recovery board in hot asphalt
- Install 1 ply of StressBase 80 in hot asphalt
- Install 1 ply of StressPly Mineral in hot asphalt
- Top coat with Garla-Brite for UV Protection and maximum energy efficiency
- New aluminum perimeter edge metal, coping, and accessories as needed.

The StressPly 2 ply membrane system is a superior Garland product that is modified with SBS polymers providing this roof with an unparalleled tensile strength and temperature flex. The StressPly system also comes with a 30-year non-prorated warranty issued by Garland.

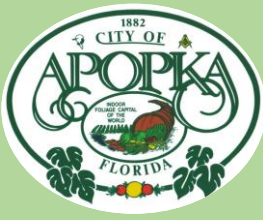
The Garland Difference

1. Assistance with specification preparation
2. Engineering Services
ASCE 7-10 wind uplift calculations and drainage calculations
3. Qualified contractors to bid on the project
4. Assistance with pre-bid meetings
5. Bid analysis
6. 3 days per week on site job monitoring
7. On-line job progress reports
8. Assistance with job close out
9. Help establishing a pro-active roof maintenance program performed on an annual basis to assure performance
10. A 30 year ND, non-prorated, roof warranty

Backup material for agenda item:

4. Contingent mediated settlement agreement for Richard D. Anderson.

Attorney Cliff Shepard



CITY OF APOPKA CITY COUNCIL

- CONSENT AGENDA
- PUBLIC HEARING
- SPECIAL REPORTS
- OTHER: Business

MEETING OF: July 19, 2017
 FROM: Administration
 EXHIBITS: Settlement Agreement
 Mutual Release

SUBJECT: RICHARD D. ANDERSON

REQUEST: APPROVAL OF A CONTINGENT MEDIATED SETTLEMENT AGREEMENT

SUMMARY:

On June 1, 2016, the Apopka City Council voted unanimously to terminate the City’s contract with Richard Anderson and to file suit against Mr. Anderson. The Council took this action after it became public through news media reports that Mr. Anderson was not a registered lobbyist on behalf of the City and had been involved in an April 5, 2016 automobile accident where he allegedly walked away from the scene of the accident involving serious bodily injury. On or about April 4, 2017, Mr. Anderson entered a plea of ‘no contest’ to that charge and was placed on 3 years felony probation. On May 15, 2017, Mr. Anderson filed a counter-claim against the City, alleging breach of contract. On February 27, 2017, the court ordered the City and Mr. Anderson to engage in mediation prior to July 1, 2017. On June 29, 2017, a mediation conference was held in Orlando with Mayor Kilsheimer representing the City, assisted by the City’s legal counsel. The parties executed a contingent mediated settlement agreement, which is being presented to council for its consideration without recommendation.

FUNDING SOURCE:

Should the council choose to settle this claim, payment will be made using general fund reserves along with contributions from other city fund sources, based on a proportionate share of the expense.

DISTRIBUTION

Mayor Kilsheimer	Finance Director	Public Services Director
Commissioners	HR Director	Recreation Director
City Administrator	IT Director	City Clerk
Community Development Director	Police Chief	Fire Chief

IN THE CIRCUIT COURT OF THE NINTH
CIRCUIT, IN AND FOR ORANGE COUNTY,
FLORIDA

CASE NO.: 2016-CA-05220-O

CITY OF APOPKA,

Plaintiff/Counter-Defendant,

v.

RICHARD D. ANDERSON,

Defendant/Counter-Plaintiff.

CONTINGENT MEDIATED SETTLEMENT AGREEMENT

1. In order to avoid the inherent risks and expenses associated with proceeding to trial, the Mayor, Joseph E. Kilsheimer, and Richard D. Anderson (collectively, the "Parties") have agreed that the Mayor will present, without recommendation, this Contingent Mediated Settlement Agreement to the City Council of the City of Apopka for its consideration. The Contingent Mediated Settlement Agreement will, if accepted by the City Council at a public meeting to be held on July 19, 2017, resolve and settle all claims and counterclaims raised or which could have been raised in *City of Apopka v. Richard D. Anderson*, Case No. 2016-CA-05220-O, or which arise out of the facts, circumstances, and transaction at issue in that case.

2. The Parties acknowledge and understand the terms of this Contingent Mediation Settlement Agreement bestow no rights or obligations on either party unless and until the City Council votes to approve the terms hereof.

3. Contingent upon the approval by the City Council, in exchange for the mutual covenants and mutual release set forth herein, the City of Apopka will pay Richard D. Anderson

\$60,000.00 in full and complete settlement of any and all claims alleged, or that could be alleged, in pending action.

4. Upon execution of this Contingent Mediated Settlement Agreement by the Mayor, Richard D. Anderson, counsel for the Parties, the mediator, and execution of the Mutual Release, attached hereto, this matter will be presented to the City Council on July 19, 2017.

5. Richard D. Anderson hereby acknowledges, understands, and accepts that the terms of this Contingent Mediated Settlement Agreement will be presented to the City Council without recommendation, that there have been no assurances made by the Mayor or anyone else that the City Council will vote to approve the Contingent Mediated Settlement Agreement, that there have been no promises or statements of any kind made by the Mayor as to how he will vote on the Contingent Mediated Settlement Agreement, and that the terms of this Contingent Mediated Settlement Agreement are not binding on the Parties unless and until the City Council votes to approve same.

6. Upon execution of this Contingent Mediated Settlement and the Mutual Release, the parties shall promptly file a joint motion to stay this case and continue all deadlines in the case management and scheduling order in order to provide Apopka's City Council sufficient time to consider and approve the Consolidated Mediated Settlement Agreement without prejudicing the Parties due to said delay.

7. The Contingent Mediated Settlement Agreement and the Mutual Release are not binding, but are expressly contingent upon the approval of same by Apopka's City Council.


8. In the event the City Council approves and accepts the settlement terms, payment be will made to Richard D. Anderson within thirty (30) days of approval by the City Council.

9. If the City Council fails to approve this Contingent Mediated Settlement Agreement and Mutual Release, the parties will file a joint motion to lift the stay.


10. If the City Council fails to approve this Contingent Mediated Settlement Agreement and Mutual Release any and all contingent rights and obligations under the Contingent Mediated Settlement Agreement and Mutual Release shall be void *ab initio* and the Parties will be in the same position they were in prior to execution of the Contingent Mediated Settlement Agreement and Mutual Release.

11. The Parties agree and acknowledge that they have made no promises or guarantees that the City Council will approve this Contingent Mediated Settlement Agreement and Mutual Release.

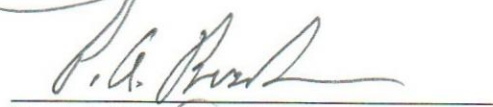
12. The recitals and terms of the Mutual Release are expressly incorporated into this Contingent Mediated Settlement Agreement.



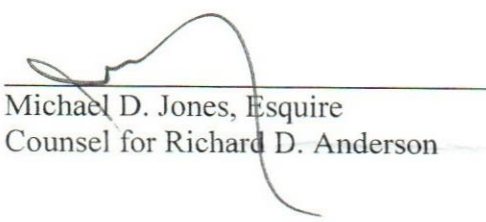
Mayor Joseph E. Kilsheimer
CITY OF APOPKA



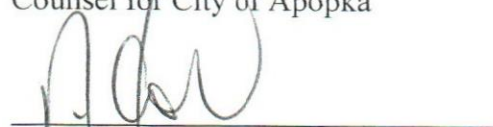
Richard D. Anderson



Patrick Brackins, Esquire
Counsel for City of Apopka



Michael D. Jones, Esquire
Counsel for Richard D. Anderson



Viktoria Collins
Mediator

Dated June 29, 2017.

IN THE CIRCUIT COURT OF THE NINTH JUDICIAL
CIRCUIT OF THE STATE OF FLORIDA, IN AND FOR
ORANGE COUNTY

CITY OF APOPKA, FLORIDA

Plaintiff/Counter-Defendant,

CASE NO. 2016-CA-05220-O

vs.

RICHARD D. ANDERSON,

Defendant/Counter-Plaintiff.

MUTUAL RELEASE

THIS MUTUAL RELEASE is ~~CONTINGENT~~ upon the approval of the City Council of the City of Apopka, which will consider this Mutual Release and Contingent Mediated Settlement Agreement on July 19, 2017, at a duly notice an open public meeting. If approved by the City Council on July 19, 2017, only then will this Mutual Release be effective and binding by and between the CITY OF APOPKA ("Apopka"), the Plaintiff/Counter-Defendant, and RICHARD D. ANDERSON ("Anderson"), the Defendant/Counter-Plaintiff (collectively, the "Parties"). If the Mutual Release and Contingent Mediated Settlement Agreement are not approved by the City Council, the terms of this Mutual Release shall be void *ab inito*.

RECITALS

WHEREAS, Apopka instituted the above-styled lawsuit against the Anderson; and

WHEREAS, Anderson counterclaimed against Apopka; and

WHEREAS, the Parties have agreed that a Contingent Mediated Settlement Agreement and this Mutual Release will be presented to the City Council of Apopka on July 19, 2017, and if approved by the City Council, the Contingent Mediated Settlement Agreement and Mutual Release shall settle all claims and counterclaims actually raised in Case No. 2016-CA-05220-O, or any claims which could have been brought of whatsoever kind and nature, arising from the facts, circumstances, and transactions at issue in Case No. 2016-CA-05220-O, including any and all claims related to attorneys' fees and costs.

NOW, THEREFORE, in consideration of the contingent mutual covenants described herein, the Parties agree to present the following terms to the City Council on July 19, 2017:

1. **Recitals.** The Recitals above are true and correct.
2. **Apopka's Release.** Apopka, together with all of their current and former predecessors-in-interest, successors-in-interest, subsidiaries, parent corporations, affiliates, related entities, members, managers, shareholders, directors, officers, agents, employees, administrators, personal representatives, insurers, reinsurers, third-party administrators, attorneys and assigns, do hereby release and forever discharge ANDERSON together with all his current and former predecessors-in-interest, successors-in-interest, subsidiaries, corporations, parent corporations, affiliates, related entities, members, managers, shareholders, directors, officers, subcontractors, agents, employees, administrators, personal representatives, insurers, reinsurers, third-party administrators, attorneys and assigns, of and from any and all causes of action, damages, claims, licensure complaints, attorneys' fees, costs and expenses whatsoever arising out of or relating in any way to: (a) claims raised or which could have been raised in the lawsuit styled *City of Apopka v. Anderson*, filed in the Circuit Court of the Ninth Judicial Circuit in and for Orange County, Florida, bearing case number 2016-CA-05220-O; and (b) the September 17, 2014 Agreement between Apopka and Anderson; and (c) Apopka's termination of the September 17, 2014 Agreement.
3. **Anderson's Release.** Anderson, together with all of his corporations, current and former predecessors-in-interest, successors-in-interest, subsidiaries, parent corporations, affiliates, related entities, members, managers, shareholders, directors, officers, agents, employees, administrators, personal representatives, insurers, reinsurers, third-party administrators, attorneys and assigns, do hereby release and forever discharge Apopka, together with all its current and former predecessors-in-interest, successors-in-interest, subsidiaries, parent corporations, affiliates, related entities, members, managers, shareholders, directors, officers, subcontractors, agents, employees, administrators, personal representatives, insurers, reinsurers, third-party administrators, attorneys and assigns, of and from any and all causes of action, damages, claims, licensure complaints, attorneys' fees, costs and expenses whatsoever arising out of or relating in any way to: (a) claims raised or which could have been raised in the lawsuit styled *City of Apopka v. Anderson*, filed in the Circuit Court of the Ninth Judicial Circuit in and for Orange County, Florida, bearing case number 2016-CA-05220-O; (b) the September 17, 2014 Agreement between Apopka and Anderson; and (c) Apopka's termination of the September 17, 2014 Agreement.
4. **Acknowledgement.** The Parties affirm and acknowledge that this Mutual Release, including all rights and obligations set forth herein, is contingent upon and must be approved by Apopka's City Council before it becomes effective. If the City Council does not approve the Contingent Mediated Settlement Agreement and Mutual Release, then both shall be void *ab initio*. The Parties further acknowledge that in the event the City Council fails to approve the Contingent Mediated Settlement Agreement and/or Mutual Release in any respect, the Parties shall be in the same position they were in prior to the execution of the Settlement Agreement and Mutual Release.

[Signatures appear on following pages]

CITY OF APOPKA

By: _____

Name: _____

Its: _____

Date: _____

STATE OF FLORIDA
COUNTY OF _____

BEFORE ME, the undersigned authority, personally appeared **Mayor Joseph E. Kilsheimer** to me well known to be the person described herein and who executed the foregoing Release and Settlement Agreement and/or presented adequate identification in the form of _____, and after taking an oath, he/she signed the same as his/her free act and deed, on this the ____ day of _____, 2017.

Notary Public

RICHARD D. ANDERSON

Signature: _____

Date: _____

STATE OF FLORIDA
COUNTY OF _____

BEFORE ME, the undersigned authority, personally appeared **Richard D. Anderson** to me well known to be the person described herein and who executed the foregoing Release and Settlement Agreement and/or presented adequate identification in the form of _____, and after taking an oath, he/she signed the same as his/her free act and deed, on this the ____ day of _____, 2017.

Notary Public

Patrick Brackins, Esquire
Counsel for City of Apopka

Michael D. Jones
Counsel for Richard D, Anderson

Backup material for agenda item:

5. Apopka Comprehensive Plan - 2017 Evaluation & Appraisal Report (EAR)

David Moon



CITY OF APOPKA CITY COUNCIL

- CONSENT AGENDA
- PUBLIC HEARING
- SPECIAL REPORTS
- OTHER: 2017 EAR Amendment

MEETING OF: July 19, 2017
 FROM: Community Development
 EXHIBIT(S): F.S. 163.3174 (part)

SUBJECT: APOPKA COMPREHENSIVE PLAN – 2017 EVALUATION & APPRAISAL REPORT (EAR)

REQUEST: AUTHORIZE THE CITY ADMINISTRATOR TO NOTIFY THE FLORIDA DEPARTMENT OF ECONOMIC OPPORTUNITY THAT AN UPDATED COMPREHENSIVE PLAN WILL BE PREPARED BY AUGUST 1, 2018 AND TO PROCEED WITH THE EVALUATION AND APPRAISAL PROCESS.

SUMMARY:

Pursuant to Florida Administrative Code, Rule Chapter 73C-49, at least once every seven years, local governments are required to determine whether or not its comprehensive plan needs updating to reflect changes in state requirements since its last comprehensive plan update. As required by Florida Statute, the City must notify the Florida Department of Economic Opportunity by August 1, 2017 whether it will or will not conduct an evaluation and appraisal report.

The EAR process provides the City the opportunity to update Comprehensive Plan policies to ensure they address the long-term planning vision of Apopka. In addition, EAR amendments to the Comprehensive Plan allows staff to address inconsistencies between the City’s Comprehensive Plan and updated Land Development Code.

Upon authorization by City Council, the Community Development staff will notify the Florida Department of Economic Opportunity’s Community Planning Division of the City of Apopka’s intent to review current Comprehensive Plan Goals, Objectives & Policies.

Should City staff identify a need to update current policies, any proposed text amendments must be transmitted to the Florida Department of Economic Opportunity within one year, and will follow the public hearing process for Comprehensive Plan text and future land use amendments, including a Planning Commission hearing and recommendation followed by City Council public hearings for adoption. Planning Commission is delegated the role of Local Planning Agency by the City Council through Section 11.05.00.A of the Land Development Code and Ordinance No. 2137. Pursuant to Florida Statute 163.3174, “The governing body of each local government, individually or in combination as provided in s. 163.3171, shall designate and by ordinance establish a “local planning agency,” unless the agency is otherwise established by law.” The Planning Commission has made a recommendation that the City proceed with an update of the Comprehensive Plan.

FUNDING SOURCE:

Funds are not included in the FY 2016/17 city budget nor are they proposed for the FY 2017/18 city budget for this project. Therefore, the work will be conducted by City staff.

DISTRIBUTION

- | | | |
|--------------------------------|------------------|--------------------------|
| Mayor Kilsheimer | Finance Director | Public Services Director |
| Commissioners | HR Director | Recreation Director |
| City Administrator | IT Director | City Clerk |
| Community Development Director | Police Chief | Fire Chief |

RECOMMENDATION ACTION:

The **Planning Commission**, at its meeting on July 11, 2017, unanimously recommended City Council authorize the notification of the Florida Department of Economic Opportunity that an updated Comprehensive Plan will be prepared by August 1, 2018, and for the Community Development Department to proceed with preparation of an Evaluation and Appraisal Report for the Comprehensive Plan.

Authorize the City Administrator to notify the Florida Department of Economic Opportunity that an updated Comprehensive Plan will be prepared by August 1, 2018 and for the Community Development Department to proceed with the Evaluation and Appraisal process.

Note: This item is considered legislative. The staff report and its findings are to be incorporated into and made a part of the minutes of this meeting.

EXHIBIT “A”

Florida Statute 163.3174 (part)

- 1) The governing body of each local government, individually or in combination as provided in s. 163.3171, shall designate and by ordinance establish a “local planning agency,” unless the agency is otherwise established by law. Notwithstanding any special act to the contrary, all local planning agencies or equivalent agencies that first review rezoning and comprehensive plan amendments in each municipality and county shall include a representative of the school district appointed by the school board as a nonvoting member of the local planning agency or equivalent agency to attend those meetings at which the agency considers comprehensive plan amendments and rezonings that would, if approved, increase residential density on the property that is the subject of the application. However, this subsection does not prevent the governing body of the local government from granting voting status to the school board member. The governing body may designate itself as the local planning agency pursuant to this subsection with the addition of a nonvoting school board representative. All local planning agencies shall provide opportunities for involvement by applicable community college boards, which may be accomplished by formal representation, membership on technical advisory committees, or other appropriate means. The local planning agency shall prepare the comprehensive plan or plan amendment after hearings to be held after public notice and shall make recommendations to the governing body regarding the adoption or amendment of the plan. The agency may be a local planning commission, the planning department of the local government, or other instrumentality, including a countywide planning entity established by special act or a council of local government officials created pursuant to s. 163.02, provided the composition of the council is fairly representative of all the governing bodies in the county or planning area;
- (4) The local planning agency shall have the general responsibility for the conduct of the comprehensive planning program. Specifically, the local planning agency shall:
 - (a) Be the agency responsible for the preparation of the comprehensive plan or plan amendment and shall make recommendations to the governing body regarding the adoption or amendment of such plan. During the preparation of the plan or plan amendment and prior to any recommendation to the governing body, the local planning agency shall hold at least one public hearing, with public notice, on the proposed plan or plan amendment. The governing body in cooperation with the local planning agency may designate any agency, committee, department, or person to prepare the comprehensive plan or plan amendment, but final recommendation of the adoption of such plan or plan amendment to the governing body shall be the responsibility of the local planning agency.
 - (b) Monitor and oversee the effectiveness and status of the comprehensive plan and recommend to the governing body such changes in the comprehensive plan as may from time to time be required, including the periodic evaluation and appraisal of the comprehensive plan required by s. 163.3191.
 - (c) Review proposed land development regulations, land development codes, or amendments thereto, and make recommendations to the governing body as to the consistency of the proposal with the adopted comprehensive plan, or element or portion thereof, when the local planning agency is serving as the land development regulation commission or the local government requires review by both the local planning agency and the land development regulation commission.
 - (d) Perform any other functions, duties, and responsibilities assigned to it by the governing body or by general or special law.
- (5) All meetings of the local planning agency shall be public meetings, and agency records shall be public records.

Backup material for agenda item:

1. Ordinance No. 2525 - Insubstantial Change to PUD Development Condition D.4. – Apopka Holdings, LLC
Moon

David



**CITY OF APOPKA
CITY COUNCIL**

 CONSENT AGENDA
 X PUBLIC HEARING
 SPECIAL REPORTS
 X OTHER: Ordinance

MEETING OF: July 19, 2017
FROM: Community Development
EXHIBITS: Zoning Report
Vicinity Map
Ordinance No. 2525
Final Dev. Plan
Landscape Plan

**SUBJECT: INSUBSTANTIAL CHANGETO PUD DEVELOPMENT CONDITION D.4.
 – APOPKA HOLDINGS, LLC**

**REQUEST: APPROVE INSUBSTANTIAL CHANGE TO DEVELOPMENT
 CONDITION D.4., ALLOWING SCREEN VINYL FENCE IN LIEU OF A
 SCREEN WALL (PARCEL ID #S: 09-21-28-0197-10-211; 09-21-28-0197-10-
 213)**

SUMMARY:

OWNER/APPLICANT: Apopka Holdings, LLC
LOCATION: 1120 Clarcona Rd & 1124 S Park Ave
EXISTING USE: Site is under construction for a mental health and substance abuse rehabilitation
 clinic, which includes inpatient residential treatment with up to 29 beds.
FLUM DESIGNATION: Office
PROPOSED
DEVELOPMENT: Applicant requests to install a six-foot high vinyl fence in lieu of a six-foot high
 brick wall on the south and west property line
ZONING: Planned Unit Development (PUD-PO/I-Residential) (Note: this Change of Zoning
 request is being processed along with the request to change the Future Land Use
 Map designation to “City” Office)
TRACT SIZE: 0.52 +/- acres
MAXIMUM ALLOWABLE
DEVELOPMENT UNDER
ZONING DISTRICT: EXISTING: 29 bed boarding house and a single family house
 PROPOSED: 1,933 sq. ft. medical office facility and 6,896 sq. ft. inpatient
 rehabilitation facility for up to 40 residential patients. (The current
 floor area ratio of existing buildings is 0.389, while the max. floor
 area ratio for the zoning district is 0.30 or 6,795 sq. ft.)

FUNDING SOURCE: N/A

DISTRIBUTION

Mayor Kilsheimer	Finance Director	Public Services Director
Commissioners	HR Director	Recreation Director
City Administrator	IT Director	City Clerk
Community Development Director	Police Chief	Fire Chief

ADDITIONAL COMMENTS: The subject were annexed into the City of Apopka on February 17, 2016, through the adoption of Ordinance No. 2488.

On November 16, 2016 a Planned Unit Development zoning was adopted by City Council under Ordinance Number 2525 for the Central Florida Recovery property that includes a development condition that the site shall provide, at minimum, a six-foot brick/masonry wall along the western and southern portions of the subject properties adjacent to residential uses. This condition appears under development condition D.4. of Ord. 2525 and as shown below. The applicant is requesting to install a six foot high vinyl fence instead of a brick wall. Applicant indicated to planning staff that the need for the vinyl fence instead of a brick wall because a “vinyl fence appears more residential.”

At the time City Council adopted the PUD master plan\final development plan, the applicant did not submit a landscape plan. A condition was approved by City Council that the landscape plan must be approved by the Development Review Committee (DRC). A landscape plan, provided as an exhibit, was submitted by the applicant and approved by the DRC. A brick wall appears on the north, west, and south property lines within the approved landscape plan.

Existing single family homes and neighborhoods abut the subject site to the south and west, as shown in the aerial provided in the first exhibit below.

The applicant is redeveloping the property for use as a mental health and substance abuse rehabilitation center with inpatient care. An existing 1,933 sq. ft. single-family house will be converted to office and rehabilitation services, and the existing rooming house (29 bed capacity; 6,896 sq. ft.) will be converted to a residential facility for up to 40 resident patients. In addition, a community bathroom facilities, kitchen, and dining facilities will be provided inside an enclosed building. With a maximum floor area ratio standard of 0.30, a maximum of 6,795 sq. ft. of building floor area is allowed on the .52 acre site. The combined floor area of the two existing buildings is 8,829 sq. ft. or 2,033 square feet above the maximum allowed for acreage on this property. The current floor area ratio of existing buildings is 0.389, while the maximum floor area ratio for the zoning district is 0.30. Existing buildings cannot be expanded or additional buildings constructed until additional land is added to the subject site to meet the 0.30 FAR.

INSUBSTANTIAL AMENDMENT TO PUD MASTER PLAN - Under Section 2.02.18.N, a change to the master plan revision can be considered substantial if it consists of:

1. An increase in intensity of use or density;
2. A change in traffic access points;
3. A reduction in approved open space;
4. A reduction in required pavement widths;
5. An increase in the overall coverage of structures;
6. A change in the use or character of the PUD plan.

DRC does not find the change in screen material for a wall\fence from brick to vinyl to be substantial change, thus making it an insubstantial change. However, as the applicant did not have the landscape plans ready for City Council review at the time of public hearings for the master plan\final development plan, and because the buffer requirements was specifically approved by City Council as a requirement of the master plan\final development plan, City Council action is requested on the change of screen material from brick to vinyl for the six-foot high screen appearing on the landscape plans. For multi-family, office and commercial uses, the Land Development Code requires a six-foot high brick or masonry wall adjacent to property zoned or used for residential purposes.

APPROVED PUD DEVELOPMENT CONDITIONS (Ord. 2525): That the zoning classification of the following described property shall be designated as Planned Unit Development (PUD), as defined in the Apopka Land Development Code, and with the following Master Plan provisions affecting the use of the Property:

- A. The uses permitted within the PUD district shall be: all such uses permitted within the PO\I (Professional Office/Institutional PO\I (zoning category) except for following PO\I uses shall be prohibited:
 - 1. Hospitals, museums, libraries or cultural institutions;
 - 2. Retail establishments, including those for the sale of pharmaceutical, medical and dental supplies or other hospital-related items;
 - 3. Boarding or rooming house(s);
 - 4. The use of medical marijuana for treatment purposes unless authorized by State law or a medical marijuana ordinance approved by City Council;
 - 5. All other uses listed as prohibited within the Professional Office/Institutional zoning district;
 - 6. All uses permitted through a special exception within the Professional Office/Institutional zoning district.

- B. Over-night inpatient rooming facilities shall be permitted as an ancillary use if the site is used for medical care; all other residential uses shall be prohibited. Permitted residential shall be limited as follows:
 - 1. Full-time residential shall be permitted for an on-site caretaker or property manager.
 - 2. Residents at the site shall only be patients served by the on-site medical services.
 - 3. Residents typically will not have automobiles parked at the residential facilities. All on-site parking or satellite parking shall be identified at the Master Plan/Final Development Plan.

- C. If the Master Plan/Final Development Plan associated with the PUD district has not been issued a certificate of completion by the City within two years from the effective date of this ordinance, the approval of the Final Development Plan will expire. At such time, the City Council may:
 - 1. Permit a single six-month extension for Master Plan/Final Development Plan;
 - 2. Allow the PUD zoning designation to remain on the property pending resubmittal of new Final Development provisions and any conditions of approval; or
 - 3. Rezone the property to a more appropriate zoning classification.

- D. Unless otherwise approved by City Council through an alternative development guideline that is adequate to protect the public health, safety and welfare, the following zoning and development standards shall apply to the development of the Property and for the master site plan:

1. If the substance abuse/mental health treatment facility vacates the site for more than 180 days, the permitted uses shall revert to those allowed within the “City” R-3 zoning district. In such case, a rooming house\boarding house is not allowed.
2. Any new structures shall meet the architectural design standards set forth in the Apopka Development Design Guidelines dated May 2000, or as amended by the Apopka City Council. Any building, whether residential or non-residential, shall be designed with a residential architecture style and shall have a pitched roof.
3. The existing two buildings may be used for medical treatment and residential facilities but the gross building floor area shall not be expanded. Buildings may be used for medical office (drug, alcohol and mental health medical treatment and associated residential care uses only. No new buildings or expansion of existing buildings shall occur unless the total floor area of all buildings complies with the floor area ratio for the PO\I zoning district (i.e., 0.30 FAR).
4. The site shall provide, at minimum, a six-foot brick/masonry wall along the western and southern portions of the subject properties adjacent to residential uses.
5. The subject properties shall meet all other buffer yard and landscaping requirements, as defined in the Apopka Land Development Code, to the greatest extent practical.
6. All services occurring at the site, including dining and cooking facilities, shall occur inside an enclosed building.
7. At the Master Plan/Final Development Plan, if the subject site cannot accommodate the required number of parking spaces, applicant must either obtain long-term contracts with abutting churches to use their parking spaces to meet the parking requirement, or the Master Plan/Final Development Plan shall not be approved. Medical patients residing at the residential facility shall not be allowed to park at the site unless a Final Development Plan demonstrates sufficient parking is available.
8. Existing floor area of buildings cannot be expanded square feet of the existing buildings can be used for the medical treatment and residential facility to comply with the .30 FAR policy requirements set forth in Policy 3.1.j. No more than 40 patients or the maximum number of occupants allowed by building code, whichever is lower, shall reside at the residential facilities. Only patients and employees of the medical provider may reside at approved residential facilities.
9. Connection to City central water and sewer service is required prior to issuance of a certificate of occupancy.
10. Any off-site parking at the New Hope Missionary Church, located at 927 South Central Avenue, must have a parking agreement approved by the City Council in a form approved by the city attorney, assuring the continue availability of the off-site parking facilities to support parking space needs demanded by the Recovery Center. The parking agreement shall be recorded with the records of the County Comptroller prior to any issuance of a certificate of occupancy. The Community Development Director with consultation from the city engineer shall determine if the off-site parking at New Hope Missionary Church must be paved or constructed with a material acceptable to the city engineer. Any improvements to off-site parking shall be reviewed and approved by the Development Review Committee through a master plan/final development plan. Any other off-site parking location shall require the approval of City Council.

11. No site construction activity shall commence until the Development Review Committee has accepted the final changes to the Final Development Plan. Further, landscape and irrigation plans for the Recovery Center site shall be consistent with City code and shall be submitted to and approved by the Development Review Committee prior to any pre-construction meeting for the site improvements.
12. Unless otherwise provided herein, the modification to the design of the site through an amended Master Plan/Final Development Plan shall occur consistent with development standards for the PO/I zoning district. Any modifications to the Master Plan/Final Development Plan after the effective date of this ordinance shall occur consistent with the procedures and requirements set forth in Article 12 of the Land Development Code and shall not require an amendment to this ordinance. Such amendment to the Master Plan/Final Development Plan shall be treated through the same procedure for an amendment to a Final Development Plan.

PUBLIC HEARING SCHEDULE:

July 19, 2017 – City Council (7:00 pm)

RECOMMENDATION ACTION:

Development Review Committee (DRC): City staff has no objection to the vinyl fence in lieu of a brick wall.

City Council: Motion to approve an insubstantial change to allow a six-foot high vinyl fence in lieu of a brick wall along the south, west and north property line.

Note: This item is considered quasi-judicial. The staff report and its findings are to be incorporated into and made a part of the minutes of this meeting.

ZONING REPORT

I. RELATIONSHIP TO ADJACENT PROPERTIES:

<i>Direction</i>	<i>Future Land Use</i>	<i>Zoning</i>	<i>Present Use</i>
North (City)	Residential Low (0-5 du/ac)	R-3	Church\recreation facilities
East (County)	Low Density Residential (0-4 du/ac)	R-3	Single-family residential & vacant residential
South (County)	Low Density Residential (0-4 du/ac)	R-3	Single family residence
West (County)	Low Density Residential (0-4 du/ac)	R-3	Church and single family homes

**LAND USE
 COMPATIBILITY:**

The proposed zoning and use is compatible with adjacent zoning districts and the general character of the surrounding area. Predominant land uses in the abutting and surrounding area are single family residential and religious facilities. Industrial zoned property is within 250 from the property and commercial zoning is within 450 feet to the south and 600 feet to the north. Parcels abutting to the north are used for a church – the St. Paul African Methodist Episcopal Church, and Lighthouse Tabernacle church abuts part of the western (rear) property line, which are both institutional uses. In addition, the area contains other non-residential land uses, including industrial to the northeast and commercial to the south of the subject sites. Furthermore, the applicant – Apopka Holdings LLC – has recently purchased properties east of the sites, across Park Avenue, to incorporate into the proposed medical treatment facility at a later date.

The underlying PO/I and Residential zoning serves as a transitional zoning between the residential uses to the east, south and west, and to the institutional, commercial and industrial zoning and uses to the north and northeast of the subject properties.

The Land Use Compatibility supporting information from the Future Land Use amendment is incorporated into the findings of the Zoning Report.

TRAFFIC COMPATIBILITY:

The property has access to a Minor Arterial roadway (Clarcona Road). A medical office/clinic is a permissible use within the PO/I zoning category. Future land use designations and zoning categories assigned to properties to the north, south, east, and west is predominantly residential, industrial and commercial.

**COMPREHENSIVE
 PLAN COMPLIANCE:**

The proposed PUD/PO/I/Residential zoning is compatible with policies set forth in the Comprehensive Plan.

**PO/I DISTRICT
REQUIREMENTS:**

FAR:	0.30 (max.)
Open Space:	30 percent
Minimum Site Area:	10,000 sq. ft.
Minimum Lot Width:	85 ft.
Setbacks:	Front: 25 ft.
	Side: 10 ft.
	Corner: 25 ft.
	Rear: 10 ft.
Adjacent to Residential:	25 ft.

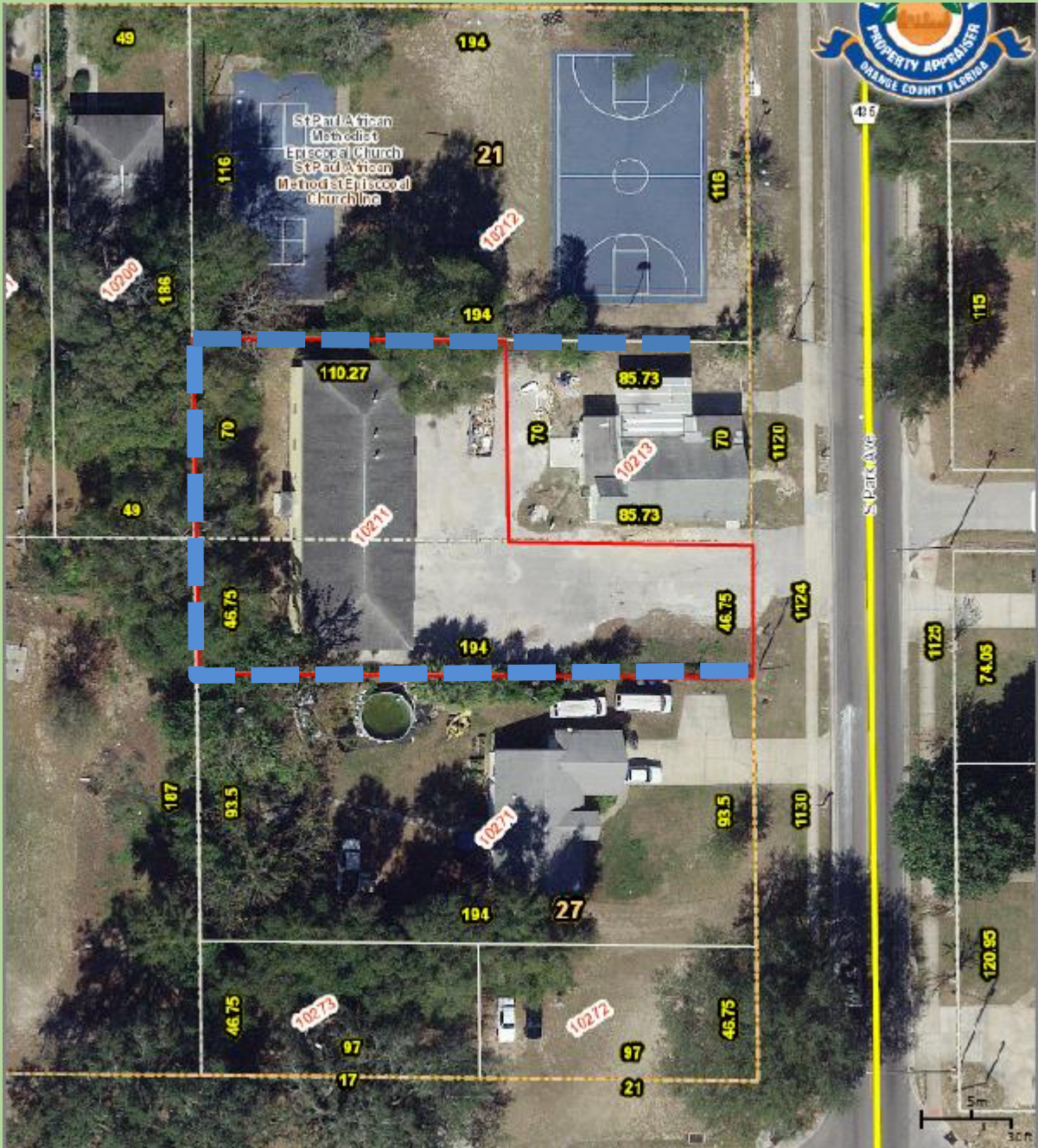
**BUFFERYARD
REQUIREMENTS:**

Areas adjacent to all road rights-of-way shall provide a minimum ten (10) foot landscaped bufferyard. Areas adjacent residential use shall provide a minimum six (6) foot masonry wall within a ten (10) foot landscaped bufferyard.

**ALLOWABLE
USES:**

Professional offices, medical or dental clinics and offices, establishments for the retail sale of pharmaceutical, medical and dental supplies, hospitals, museums, libraries, churches and educational facilities.

Wall Location
(Blue dashed line)



Apopka Holdings LLC
1120 Clarcona Road & 1124 S Park Avenue
0.52 +/- Acres

Existing Maximum Allowable Development: 2 dwelling units
Proposed Maximum Allowable Development: 8,829 sq. ft.
Proposed Small Scale Future Land Use Change
From: “County” Low Density Residential (0-4 du/ac)
To: “City” Office (max FAR 0.3)
Proposed Zoning Change
From: “County” R-3 (ZIP)
To: “City” PUD/PO//Residential



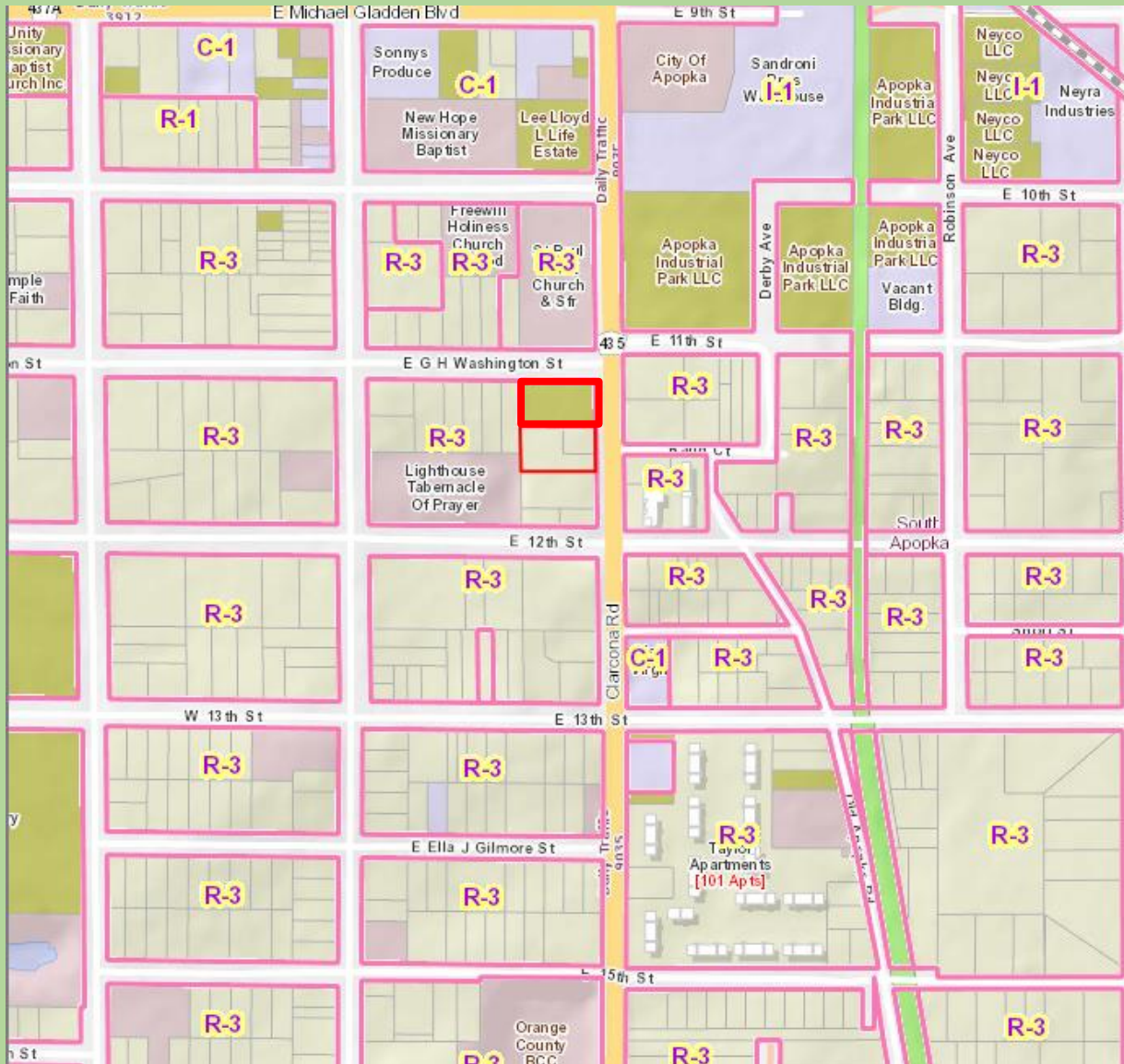
Parcel ID #: 09-21-28-0197-10-211 & 09-21-28-0197-10-213

VICINITY MAP



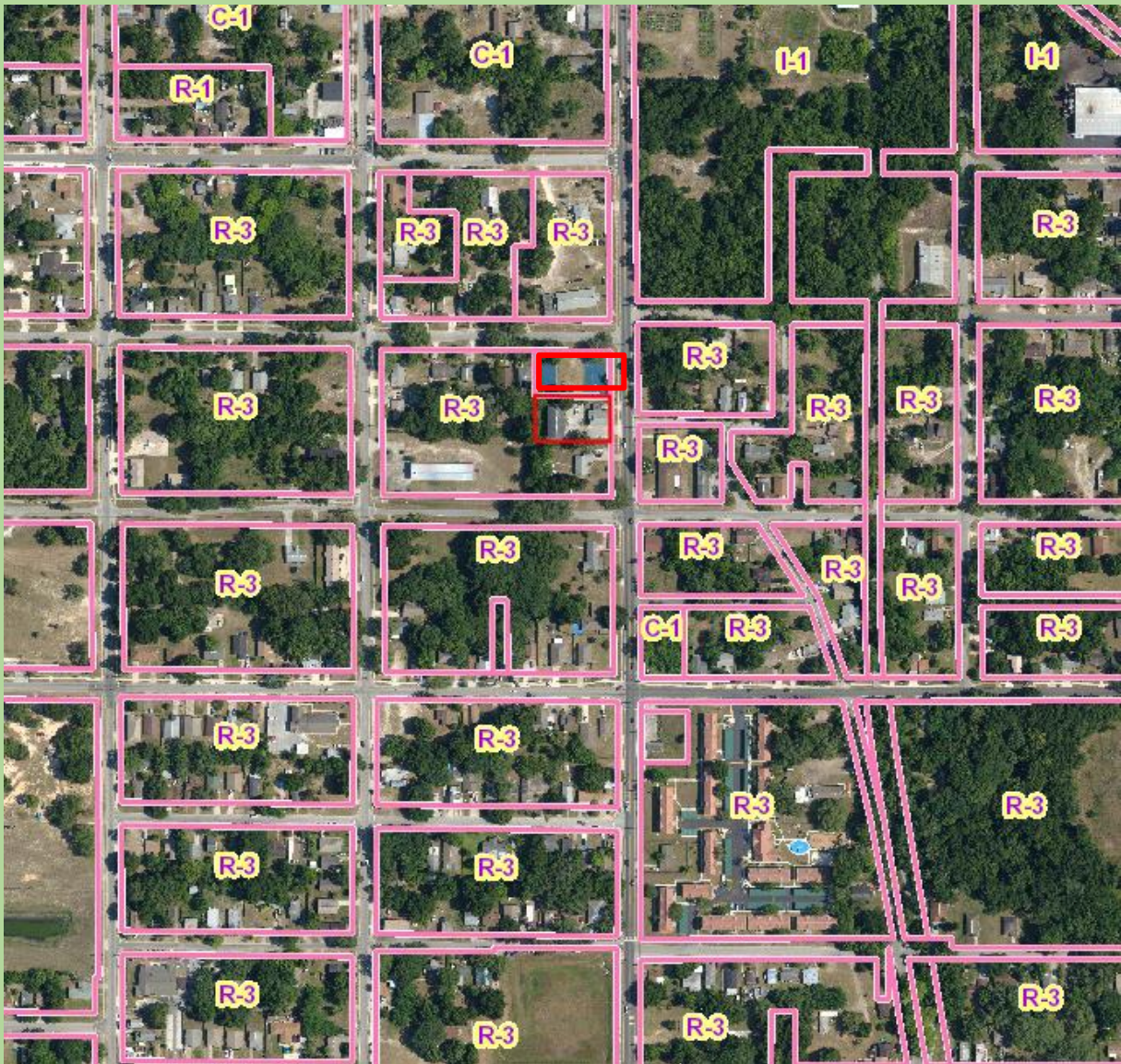


ADJACENT ZONING





ADJACENT USES





EXISTING USES



ORDINANCE NO. 2525

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE ZONING FROM “COUNTY” R-3 (RESIDENTIAL) TO PLANNED UNIT DEVELOPMENT (PUD-PO/I-RESIDENTIAL); FOR CERTAIN REAL PROPERTY GENERALLY LOCATED WEST OF SOUTH PARK AVENUE, EAST OF SOUTH CENTRAL AVENUE, SOUTH OF EAST G. H. WASHINGTON STREET, NORTH OF EAST 12TH STREET, COMPRISING 0.52 ACRES MORE OR LESS, AND OWNED BY APOPKA HOLDINGS, LLC; PROVIDING FOR DIRECTIONS TO THE COMMUNITY DEVELOPMENT DIRECTOR, SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

WHEREAS, to manage the growth, the City of Apopka, Florida, finds it in the best interest of the public health, safety and welfare of its citizens to establish zoning classifications within the City; and

WHEREAS, the City of Apopka has requested a change in zoning on said property as identified in Section I of this ordinance; and

WHEREAS, the proposed Planned Unit Development (PUD-PO/I-Residential) zoning has been found to be consistent with the City of Apopka Comprehensive Plan, and the City of Apopka Land Development Code.

NOW THEREFORE, BE IT ORDAINED, by the City Council of the City of Apopka, Florida, as follows:

Section I. That the zoning classification of the following described property be designated as Planned Unit Development (PUD-PO/I-Residential), as defined in the Apopka Land Development Code, and with the following Master Plan provisions, as established in Exhibit “A”, subject to the following zoning provisions:

PUD RECOMMENDATIONS: That the zoning classification of the following described property shall be designated as Planned Unit Development (PUD), as defined in the Apopka Land Development Code, and with the following Master Plan provisions affecting the use of the Property:

- A. The uses permitted within the PUD district shall be: all such uses permitted within the PO\I (Professional Office/Institutional PO\I (zoning category) except for following PO\I uses shall be prohibited:
1. Hospitals, museums, libraries or cultural institutions;
 2. Retail establishments, including those for the sale of pharmaceutical, medical and dental supplies or other hospital-related items;
 3. Boarding or rooming house(s);
 4. The use of medical marijuana for treatment purposes unless authorized by State law or a medical marijuana ordinance approved by City Council;
 5. All other uses listed as prohibited within the Professional Office/Institutional zoning district;
 6. All uses permitted through a special exception within the Professional Office/Institutional zoning district.

abutting churches to use their parking spaces to meet the parking requirement, or the Master Plan/Final Development Plan shall not be approved. Medical patients residing at the residential facility shall not be allowed to park at the site unless a Final Development Plan demonstrates sufficient parking is available.

8. Existing floor area of buildings cannot be expanded square feet of the existing buildings can be used for the medical treatment and residential facility to comply with the .30 FAR policy requirements set forth in Policy 3.1.j. No more than 40 patients or the maximum number of occupants allowed by building code, whichever is lower, shall reside at the residential facilities. Only patients and employees of the medical provider may reside at approved residential facilities.
9. Connection to City central water and sewer service is required prior to issuance of a certificate of occupancy.
10. Any off-site parking at the New Hope Missionary Church, located at 927 South Central Avenue, must have a parking agreement approved by the City Council in a form approved by the city attorney, assuring the continue availability of the off-site parking facilities to support parking space needs demanded by the Recovery Center. The parking agreement shall be recorded with the records of the County Comptroller prior to any issuance of a certificate of occupancy. The Community Development Director with consultation from the city engineer shall determine if the off-site parking at New Hope Missionary Church must be paved or constructed with a material acceptable to the city engineer. Any improvements to off-site parking shall be reviewed and approved by the Development Review Committee through a master plan/final development plan. Any other off-site parking location shall require the approval of City Council.
11. No site construction activity shall commence until the Development Review Committee has accepted in final changes to the Final Development Plan. Further, landscape and irrigation plans for the Recovery Center site shall be consistent with City code and shall be submitted to and approved by the Development Review Committee prior to any pre-construction meeting for the site improvements.
12. Unless otherwise provided herein, the modification to the design of the site through an amended Master Plan/Final Development Plan shall occur consistent with development standards for the PO/I zoning district. Any modifications to the Master Plan/Final Development Plan after the effective date of this ordinance shall occur consistent with the procedures and requirements set forth in Article 12 of the Land Development Code and shall not require an amendment to this ordinance. Such amendment to the Master Plan/Final Development Plan shall be treated through the same procedure for an amendment to a Final Development Plan.

Section II. That the zoning classification of the following described Property, being situated in the City of Apopka, Florida, is hereby Planned Unit Development (PUD-PO/I-Residential), as defined in the Apopka Land Development Code.

Legal Description:

Lot 21 (less the North 116 feet) and the North ¼ of Lot 27, Block J, Town of Apopka, as recorded in Plat Book A, Page 109, Public Records of Orange County, Florida. Parcel I.D. No. 09-21-28-0197-10-211 (0.136 +/- acres)

ORDINANCE NO. 2525

PAGE 4

Begin at the Southeast corner of Lot 21, Block J, Town of Apopka, as recorded in Plat Book A, Page 109, Public Records of Orange County, Florida; run thence Westerly along the South line of said Lot 21 for a Distance of 85.73 feet; run thence North parallel with the East line of Lot 21 for a distance of 70.00 feet; run Thence Easterly parallel with the South line of Lot 21 for a distance of 85.73 feet to the East line of Lot 21; run Thence South along said line for a distance of 70.00 feet to the Point of Beginning. Parcel I.D. No. 09-21-28-0197-10-213 (0.383 +/- acres)

Combined acreage: 0.52 +/- acre

Section III. That the zoning classification is consistent with the Comprehensive Plan of the City of Apopka, Florida.

Section IV. That the Community Development Director, or the Director's designee, is hereby authorized to amend, alter, and implement the official zoning maps of the City of Apopka, Florida, to include said designation.

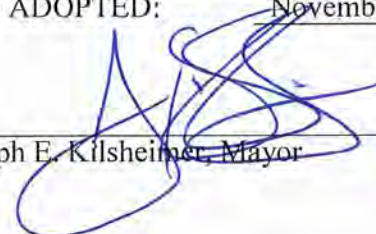
Section V. That if any section or portion of a section or subsection of this Ordinance proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force or effect of any other section or portion of section or subsection or part of this ordinance.

Section VI. That all ordinances or parts of ordinances in conflict herewith are hereby repealed.

Section VII. That this Ordinance shall take effect upon adoption of Ordinance No. 2524.

READ FIRST TIME: November 2, 2016

READ SECOND TIME
AND ADOPTED: November 16, 2016



Joseph E. Kilsheimer, Mayor

ATTEST:



Linda Goff, City Clerk

DULY ADVERTISED: September 30, 2016
November 4, 2016

FINAL SITE DEVELOPMENT PLANS FOR CENTRAL FLORIDA RECOVERY

APOPKA, FL (ORANGE COUNTY)
PARCEL NO. 09-21-28-0197-10-211
PARCEL NO. 09-21-28-0197-10-213

AERIAL MAP NTS



LEGAL DESCRIPTION

PART OF LOT 21, BLOCK J, TOWN OF APOPKA, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK A, PAGE 108, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, DESCRIBED AS BEGINNING AT THE SOUTHEAST CORNER OF LOT 21, RUN WESTERLY ALONG THE SOUTH LINE OF SAID LOT 21 85.73 FEET, NORTH 70 FEET, EAST 85.73 FEET, SOUTH 70 FEET TO THE POINT OF BEGINNING.

&
LOT 21 (LESS THE NORTH 116 FEET & LESS BEGINNING AT THE SOUTHEAST CORNER OF LOT 21, RUN WEST 85.73 FEET, NORTH 70 FEET, EAST 85.73 FEET, SOUTH 70 FEET TO THE POINT OF BEGINNING) & THE NORTH 1/4 OF LOT 27, ALL IN BLOCK J, TOWN OF APOPKA, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK A, PAGE 109, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

SITE DATA

1. TAX PARCEL ID NUMBER:	09-21-28-0197-10-211 09-21-28-0197-10-213	
2. LOT SIZE:	0.52 ACRES	
3. EXISTING USE:	LOW DENSITY RESIDENTIAL	
4. EXISTING ZONING:	R-3	
5. EXISTING BUILDING:	6,896 SF 1,933 SF	
5.1. RESIDENCE #1124		
5.2. RESIDENCE #1120		
6. PROPOSED USE:	OFFICE	
7. PROPOSED ZONING:	PUD / PO / I / RESIDENTIAL	
8. PROPOSED BUILDINGS:	EXISTING BLDGS TO REMAIN	
9. BUILDING HEIGHT	TWO STORY	
10. FAR:	MAX	PROVIDED
	0.30	0.36*
11. BUILDING SETBACK		
11.1. FRONT YARD (S. PARK AVE.)	25 FT	8 FT
11.2. SIDE YARD (NORTH LOT LINE)	10 FT	10 FT
11.3. SIDE YARD (SOUTH LOT LINE)	10 FT	10 FT
11.4. REAR YARD (WEST LOT LINE)	10 FT	34 FT
12. LANDSCAPE BUFFERS:		
12.1. FRONT YARD (S. PARK AVE.)	10 FT	3 FT
12.2. SIDE YARD (NORTH LOT LINE)	10 FT	2 FT
12.3. SIDE YARD (SOUTH LOT LINE)	10 FT	2 FT
12.4. REAR YARD (WEST LOT LINE)	10 FT	29 FT
13. OFF-STREET PARKING:		
13.4. REQUIRED PARKING (8829 SF / 250 SF):	35 SPACES	
13.5. NEW STANDARD PARKING SPACES PROVIDED:	16 SPACES	
13.6. NEW ADA PARKING SPACES PROVIDED:	1 SPACES	
TOTAL PROVIDED:	17 SPACES*	
14. IMPERVIOUS AREA (MAX ALLOWED = 80%):		
14.1. EXISTING IMPERVIOUS AREA:	0.35 AC. (67.31%)	
14.2. DEMOLISHED IMPERVIOUS AREA:	0.03 AC.	
14.3. NEW IMPERVIOUS AREA:	0.02 AC.	
14.4. TOTAL NET IMPERVIOUS AREA:	0.34 AC. (65.38%)	
15. IMPERVIOUS/PERVIOUS AREA:		
15.1. IMPERVIOUS AREA:	0.34 AC. (65.38%)	
15.2. PERVIOUS AREA:	0.18 AC. (34.62%)	

NOTE: THE FOLLOWING PROPOSED FACILITIES SHOWN ON THE DEVELOPMENT PLANS ARE FOR REFERENCE PURPOSES ONLY AND EACH SHALL REQUIRE A SEPARATE BUILDING PERMIT. THE LIST INCLUDES, BUT IS NOT LIMITED TO: PROPOSED BUILDINGS, SANITARY LIFT STATIONS, LIGHT FIXTURES, (POLES) THAT ARE INDEPENDENT FROM ANY BUILDING STRUCTURE, FENCES, GATES, MONUMENT SIGNS, DUMPSTER ENCLOSURES, AND DECORATIVE / RETAINING WALLS THAT EXCEED THREE (3) FEET IN HEIGHT.

* WAIVER REQUIRED (SEE TABLE BELOW)

SHEET INDEX

SHEET	DESCRIPTION
C0.0	COVER SHEET
C1.0	GENERAL NOTES & DETAILS
C1.1	DEMOLITION & EROSION CONTROL PLAN
C2.0	SITE PLAN & DETAILS
C3.0	UTILITY PLAN & DETAILS
C4.0	LIFT STATION PLAN & DETAILS

PLANS BY OTHERS

SHEET	DESCRIPTION
S1	TOPOGRAPHIC AND BOUNDARY SURVEY
FP1	FIRE PROTECTION SITE PLAN

PROJECT TEAM

OWNER/ APPLICANT	CIVIL ENGINEER
APOPKA HOLDINGS, LLC. 8646 CAMBERLY CIR. ORLANDO, FL 32836 (407) 506-6470	HIGHLAND ENGINEERING, INC. 79 W. ILLIANA ST. ORLANDO, FL 32806 (407) 275-7877
SURVEYOR	FIRE PROTECTION ENGINEER
SHANNON SURVEYING, INC. 499 NORTH SR 434, SUITE 2155 ALTA MONTE SPRINGS, FL 32714 (407) 774 - 8372	LIFELINE FIRE PROTECTION, 1128 CALLOWAY CIRCLE CLERMONT, FLORIDA 34711 (351) 243-7774

VICINITY MAP NTS



SOILS MAP NTS



MAP UNIT LEGEND

MAP UNIT SYMBOL	SOIL TYPE	PERCENT OF PROPERTY
7	CANDLER-URBAN LAND COMPLEX 0 - 5 % SLOPES	100% (0.52 AC.)

Code#	Code Requirement	V / W	Request	Justification
6.03.02 A	1 space per 250 square feet of gross floor area = 35 spaces	W	17 spaces	The amount of available/provided parking, has been maximized based on the configuration of the existing buildings. In addition, the residents will not be driving to the facility and the parking spaces will only be used by staff. The applicant has entered into a purchase agreement with the owner of 1109 S. Park Avenue and the owner has allowed the use of the property for parking until the property sale is complete.
2.02.01 A	Front Setback: 25 ft.	W	Front Setback 7.0 ft.	The requirement for 25 foot front yard building setback cannot be met, because the existing building is located only 7.6 feet from the property line.
2.02.10.G	Areas adjacent to all road right-of-way shall provide a minimum of 10' landscape buffer.	W	Provide landscaping in open areas along front of property	The location of the existing building and pavement areas limit the amount of landscaping that can be provided along the right of way. The property owner will provide landscaping in accordance with section 5.01.06 in areas along the property frontage that are not restricted by existing building or pavement. See site plan for locations.
2.02.10.G	Areas adjacent to residential use shall provide a minimum 6' masonry wall within a 10' landscape buffer.	W	6' tall opaque vinyl PVC fence is requested to be placed at the property line, thus eliminating the landscape buffer along the side yard and rear yard adjacent to the pvc fence.	A 6 foot tall opaque PVC fence is requested in lieu of the required 6' masonry wall as it would be cost prohibitive to build a 6 foot masonry wall adjacent to residential uses. The landscape buffer is also requested to be waived and the fence placed adjacent to the property.
2.02.01 A	Maximum FAR of 30%	W	Allow FAR based on existing building areas and limit expansion of the buildings	The existing buildings result in a FAR = 0.389 which exceeds the required maximum FAR = 0.30, therefore, the buildings cannot be expanded and additional buildings cannot be constructed until additional land is added to the property area.
Florida Building Code 11-4.1.3 (5)	Vertical accessibility shall be provided to all levels above and below the occupiable grade level.	W	Applicant request to apply Exception 1 noted in FBC 11-4.1.3 (5)	Exception 1: Elevators not required in facilities that are less than three stories or that have less than 3,000 square feet per story unless the building is shopping center, a shopping or the professional office of a health care provider, or another type of facility as determined by the U.S. Attorney General. The elevator exemption set forth in this paragraph does not obviate or limit any way the obligation to comply with the other accessibility requirements established in Section 11-4.1.3. For example, floors above or below the accessible ground floor meet the requirements of this section except for elevator service, if toilet or bathing facilities are provided on a level not served by an elevator, then a toilet or bathing facility must be provided on the accessible ground floor.

CENTRAL FLORIDA RECOVERY
COVER SHEET



JOB No.: CFR-001
DESIGNED BY: JS
DRAWN BY: DB
APPROVED BY: JS
DATE: 05.02.16
SHEET: C0.0



D:brinkman 8/5/2016 J:\CFR-001\Drawings\Construction Plans\C1.0 - COVER SHEET - CFR-001.dwg

UTILITY NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM WITH THE STANDARDS AND SPECIFICATIONS SET FORTH BY LOCAL, STATE AND FEDERAL REGULATIONS, WHICHEVER IS MORE STRINGENT SHALL APPLY.
- 2. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ACQUIRE THE NECESSARY RIGHT-OF-WAY PERMIT(S) AND PROVIDE FOR THE SAFETY AND CONTROL OF TRAFFIC DURING CONSTRUCTION.
- 3. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND IN-HAND BEFORE BEGINNING ANY CONSTRUCTION.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING (HORIZONTALLY AND VERTICALLY) ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND FOR NOTIFYING VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, TEMPORARY DISTRIBUTION SERVICE, OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED, ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANIES AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS, ANY DELAY OR INCONVENIENCE OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- 5. THE LOCATION OF ALL EXISTING UTILITIES, STORM DRAINAGE SYSTEMS, AND TOPOGRAPHIC FEATURES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR, THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. SHOULD A DISCREPANCY ARISE BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, WHICH WOULD APPRECIABLY AFFECT THE EXECUTION OF THESE PLANS, THE CONTRACTOR WILL HALT CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY WITHIN 48 HOURS BEFORE ANY INSPECTIONS. ALSO, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL INSPECTION CRITERIA, SCHEDULES AND SIGNING SAID INSPECTIONS.
- 7. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED UNLESS OTHERWISE NOTED.
- 8. THE CONTRACTOR SHALL NOT EXCAVATE, REMOVE OR OTHERWISE DISTURB ANY EXISTING STRUCTURE OR UTILITY STRUCTURE WHICH IS LOCATED OUTSIDE THE LINES, GRADES OR GRADING SECTION, ESTABLISHED FOR THIS PROJECT, EXCEPT WHERE SUCH EXCAVATIONS OR REMOVAL IS PROVIDED OR IN THE CONTRACT, PLANS, OR SPECIFICATIONS.
- 9. ALL WORK AND ALL MATERIALS FURNISHED SHALL BE IN CONFORMITY WITH THE LINES, GRADES, GRADING SECTIONS, CROSS SECTIONS, DIMENSIONS, MATERIAL REQUIREMENTS, AND TESTING REQUIREMENTS THAT ARE SPECIFIED IN THE CONTRACT, PLANS OR SPECIFICATIONS.
- 10. PROVIDE A MINIMUM OF 3 FT. COVER FOR ALL UTILITIES UNLESS OTHERWISE NOTED.
- 11. COMPACT ALL UTILITIES TRENCHES WITHIN ROADWAYS TO 98% OF THE PROCTOR MAXIMUM DENSITY.
- 12. THE SPECIFICATIONS, NOTES AND PLANS CALL ATTENTION TO CERTAIN REQUIRED FEATURES OF THE CONSTRUCTION BUT DO NOT PURPORT TO COVER ALL DETAILS OF DESIGN AND CONSTRUCTION. HOWEVER, THE CONTRACTOR SHALL FURNISH AND INSTALL THE WORKS IN ALL DETAILS AND READY FOR OPERATION.
- 13. ALL EQUIPMENT SHALL BE HANDLED, STORED, INSTALLED, TESTED AND OPERATED IN STRICT ACCORDANCE WITH THE APPLICABLE MANUFACTURERS WRITTEN INSTRUCTIONS.
- 14. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK COMPETENTLY AND EFFICIENTLY, DEVOTING SUCH ATTENTION THERETO AND APPLYING SUCH SKILLS AND 14. EXPERTISE AS MAY BE NECESSARY TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 15. ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES ORDINANCES REGULATIONS.
- 16. APPARENT ERRORS, DISCREPANCIES OR OMISSIONS ON THE DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE BIDDING.
- 17. AFTER COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TO THE CITY, A COMPLETED AS-BUILT PLAN ONE WEEK BEFORE FINAL INSPECTION. THE FINAL ACCEPTANCE IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM A SITE CLEANUP FOR THE REMOVAL OF TRASH, DEBRIS, EXCESS MATERIALS AND EQUIPMENT TO PRESENT THE PROJECT SITE CLEAN AND IN GOOD ORDER.
- 18. NO EXTRA PAYMENTS SHALL BE ALLOWED FOR ANY WORK REQUIRED DUE TO MISUNDERSTANDING OF JOB OR SITE CONDITIONS AFFECTING THE WORK AS DESCRIBED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOT TAKE ADVANTAGE OF ANY APPARENT ERROR OR OMISSION IN THE DRAWINGS OR SPECIFICATIONS, AND THE ENGINEER SHALL BE PERMITTED TO MAKE CORRECTIONS AND INTERPRETATION AS MAY BE DEEMED NECESSARY FOR THE FULFILLMENT OF THE INTENT OF THE CONTRACTS DOCUMENTS. THE TENDERING OF A PROPOSAL WILL ACKNOWLEDGE ACCEPTANCE OF THESE CONDITIONS BY THE BIDDER.
- 19. THE CONTRACTOR SHALL SUBMIT FOUR (4) SETS OF DETAILED SHOP DRAWINGS OF ALL MAJOR ITEMS PROPOSED FOR THIS PROJECT TO THE ENGINEER PRIOR TO ORDERING ANY OF THE EQUIPMENT. TWO (2) COPIES OF THE SHOP DRAWINGS WILL BE RETURNED TO THE CONTRACTOR, UPON THE CONTRACTOR'S RECEIPT OF APPROVED SHOP DRAWINGS FROM THE ENGINEER, THE CONTRACTOR MAY PROCEED WITH THE WORK.
- 20. INSTALL VALVE BOXES WITH ALL VALVES. VALVE BOXES UNDER THE PAVEMENTS SHALL HAVE TRAFFIC BEARING COVERS.
- 21. SEPARATION OF WATER MAINS, SANITARY SEWERS AND STORM SEWERS SHALL BE AS PER THE RECOMMENDATION OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P.), LATEST REQUIREMENTS.
 - A. VERTICAL UTILITY SEPARATION AND VERTICAL CLEARANCE NEW OR RELOCATED, UNDERGROUND WATERMANS SHALL BE LAID TO PROVIDE A HORIZONTAL A. DISTANCE AT LEAST 6 FEET, AND PREFERABLY 10 FEET, BETWEEN THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY - OR PRESSURE - TYPE SANITARY SEWER, WASTEWATER FORCEMAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATERMANS AND GRAVITY - TYPE SANITARY SEWERS SHALL BE REDUCED TO 3 FEET WHERE THE BOTTOM OF THE WATERMAIN IS LAID AT LEAST 6-INCHES ABOVE THE TOP OF THE SEWER. NEW OR RELOCATED UNDERGROUND WATERMANS CROSSING ANY EXISTING OR PROPOSED GRAVITY - OR VACUUM - TYPE SANITARY SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATERMAIN IS AT

- LEAST 6-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 WATERMAIN ABOVE THE OTHER PIPELINE.
- AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATERMAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATERMAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATERMAIN JOINTS ARE AT LEAST 3 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 6 FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE - TYPE SANITARY SEWERS, WASTEWATER FORCEMANS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- B. FORCEMANS: SEPARATION BETWEEN FORCEMAIN AND WATERMANS MUST BE MAINTAINED UNLESS APPROVED BY FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P.).
- C. SEWER MANHOLES: NO WATER PIPES SHALL PASS THROUGH, OR COME IN CONTACT WITH ANY PART OF A SEWER MANHOLE.
- 22. SANITARY PIPE MATERIALS
 - A. PVC GRAVITY SEWER PIPE: PVC GRAVITY SEWER PIPE (4"-15"), ASTM D3034, SDR 35, UNIFORM MINIMUM "PIPE STIFFNESS" AT FIVE (5) PERCENT DEFLECTION SHALL BE 46 PSI. THE JOINTS SHALL BE INTEGRAL BELL ELASTOMETRIC GASKET JOINTS MANUFACTURED IN ACCORDANCE WITH ASTM D3212 AND ASTM F417. APPLICABLE UNI-BELL PLASTIC PIPE ASSOCIATION STANDARD IS UNI-B4. ALL PVC PIPE SHALL BEAR THE NSF-DW SEAL. THE MINIMUM STANDARD LENGTH OF THE PIPE SHALL BE THIRTEEN (13) FEET.
 - B. DIP GRAVITY SEWER PIPE (NOT TO BE USED WITHOUT CITY APPROVAL): DUCTILE IRON PIPE SHALL CONFORM TO ANSIAWWA A2151C151, CLASS THICKNESS DESIGNED PER ANSIAWWA A2151C151, WITH MECHANICAL OR PUSH ON JOINTS. AN INTERIOR PROTECTIVE LINING OF COAL TAR EPOXY SHALL BE PROVIDED WITH A MINIMUM DRY THICKNESS OF 30 MILS DUCTILE IRON GRAVITY SEWERS, WHERE CALLED FOR BY THE CITY SHALL BE WRAPPED WITH POLYETHYLENE FILM, AWWA C105. THE MINIMUM STANDARD STANDARD LENGTH OF PIPE SHALL BE EIGHTEEN (18) FEET. (DUCTILE IRON SHALL BE USED FOR SANITARY SEWER UNLESS APPROVED BY THE DIRECTOR).
 - C. SPIGOT MARKINGS: ALL PIPES SHALL HAVE A HOMING MARK ON THE SPIGOT PROVIDED BY THE MANUFACTURER. ON FIELD CUT PIPE, CONTRACTOR SHALL PROVIDE HOMING MARKON THE SPIGOT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 23. FORCEMANS
 - A. PIPING: HDPE PIPE: MATERIALS USED FOR THE MANUFACTURE OF HIGH-DENSITY POLYETHYLENE PIPE AND FITTINGS SHALL COMPLY WITH ALL REQUIREMENTS OF ASTM D1248 AND PLASTIC PIPE INSTITUTE DESIGNATION PE3408. MANUFACTURE SHALL BE A MEMBER IN GOOD STANDING OF THE PLASTIC PIPE INSTITUTE. HDPE PIPE AND FITTINGS SHALL COMPLY OR EXCEED AWWASTANDARDS C901/C906, ASTM D2513, ASTM D3035 AND ASTM F714. THE MANUFACTURER SHALL SUPPLY A LETTER OF CERTIFICATION STATING COMPLIANCE TO ALL THE ABOVE STANDARDS PRIOR TO SHIPPING ANY MATERIAL TO PROJECT SITE. THE HDPE MATERIAL SHALL HAVE REQUIRED ULTRAVIOLET INHIBITORS TO RESIST DEGRADATION BY DIRECT AND PROLONG SUNLIGHT. THE DESIGN OF HDPE MATERIALS SHALL BE BASED ON THE HYDROSTATIC DESIGN BASIS (HDB) OF 1,600 PSI AT 73.4 DEGREES FAHRENHEIT. PIPE SHALL BE DESIGNED AND PRODUCED TO DUCTILE IRON DIAMETERS AND TO A MAXIMUM DIMENSION RATIO OF 11.
 - B. FITTINGS: ALL FITTINGS SHALL BE HDPE MOLDED AND SHALL BE MADE, AT A MINIMUM, TO THE SAME PRESSURE RATING AS THE PIPE. ALL FABRICATED HDPE FITTINGS SHALL BE MANUFACTURED TO A MINIMUM THICKNESS OF DR 13.5. DUCTILE IRON PIPE FITTINGS, WITH MECHANICAL JOINT ADAPTERS, MAY BY USED WHEN REQUIRED FOR SPECIAL CONNECTIONS BUT MUST BE SUPPLIED BY A PRE-APPROVED MANUFACTURER. MANUFACTURER SHALL BE ELECTROFUSION COUPLING AND FITTINGS SHALL BE AN ISO 9001 CERTIFIED COMPANY WITH PRODUCT HAVING CANADA STANDARDS ASSOCIATION (CSA) CERTIFICATION.
 - C. MARKING FOR FORCEMAIN: ALL NON-METALLIC FORCEMANS SHALL BE INSTALLED WITH A CONTINUOUS, INSULATED SINGLE STRAND 10 GAUGE COPPER WIRE THAT SHALL BE DIRECT BURIED, INSTALLED DIRECTLY ON TOP OF THE PIPE FOR LOCATION PURPOSES. IN ADDITION ALL PVC FORCEMANS SHALL BE EITHER A SOLID GREEN COLOR OR WHITE WITH GREEN LETTERING. ALL LETTERING SHALL APPEAR LEGIBLY ON PIPE AND SHALL RUN THE ENTIRE LENGTH OF THE PIPE. LETTERING SHALL READ AS IS ACCEPTABLE FOR THE INTENDED USE. ALL DUCTILE IRON FORCEMANS SHALL BE MARKED WITH A CONTINUOUS STRIPE LOCATED WITHIN THE TOP 90 DEGREES OF THE PIPE. SAID STRIPE SHALL BE A MINIMUM 2 INCHES IN WIDTH AND SHALL BE GREEN IN COLOR. BACKFILL SHALL NOT BE PLACED FOR 30 MINUTES FOLLOWING PAINT APPLICATION.
- 24. THE CONTRACTOR SHALL COMPLY WITH THE LEGAL LOAD RESTRICTIONS IN HAULING OF MATERIALS IN PUBLIC ROADS BEYOND THE LIMITS OF WORK. A SPECIAL PERMIT WILL BE REQUIRED TO EXERCISE LIABILITY FOR DAMAGE WHICH MAY RESULT FROM THE MOVING OF MATERIAL AND EQUIPMENT.
- 25. DURING CONSTRUCTION, NO DIRECT DISCHARGE OF WATER TO DOWNSTREAM RECEIVING WATERS WILL BE ALLOWED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER QUALITY, AND ROUTE DISCHARGE WATER IN SUCH A MANNER AS TO ADEQUATELY REMOVE SILT PRIOR TO RUNOFF FROM THE SITE.
- 26. VALVES
 - A. VALVES 2-INCH AND SMALLER. VALVES SHALL BE BRONZE, WEDGE, DISC, NON-RISING STEM TYPE, 150 PSI MINIMUM WORKING PRESSURE EQUIPPED WITH WROUGHT STEEL ALUMINUM OR CAST IRON OPERATING HAND WHEEL. VALVES SHALL MEET FEDERAL SPECIFICATIONS WWV54D, TYPE 1, CLASS A. VALVES SHALL BE FIGURE 3FG AS MANUFACTURED BY AMERICAN VALVE COMPANY OR APPROVED EQUAL.
 - B. VALVE BOXES: UNITS SHALL BE SCREW TYPE, CAST IRON. MINIMUM DIAMETER OF 5-INCHES WITH COVER CAST WITH THE APPLICABLE INSCRIPTION IN LEGIBLE LETTERING ON THE TOP "WATER". BOXES SHALL BE SUITABLE FOR THE APPLICABLE SURFACE LOADING AND VALVE SIZE DOMESTIC ONLY AND SHALL BE MANUFACTURED BY TYLER COMPANY OR APPROVED EQUAL.
 - C. WASTEWATER AIR / VACUUM-RELEASE VALVE: THE VALVE BODY SHALL BE OF CAST IRON ASTM A126-B; THE FLOAT, FLOOD GUIDE AND STEM SHALL BE OF STAINLESS STEEL TYPE 304. THE RESILIENT

- SEAT SHALL BE OF BUNA-N. THE VALVE SHALL BE SUITABLE FOR 150 PSIG WORKING PRESSURE. VALVE SHALL BE STANDARD TWO (2)-INCH NPT INLET AND OUTLET PORTS.
- D. BUTTERFLY VALVES: VALVES SHALL BE CAST OR DUCTILE IRON BODY ALLOY, CAST IRON OR DUCTILE IRON DISC. VALVE SEAT SHALL BE 18-8 TYPE 304 STAINLESS STEEL MADE INTEGRAL WITH THE VALVE BODY, SHAFT SIZE AND OTHER SPECIAL REQUIREMENTS SELECTED IN ACCORDANCE WITH THE SPECIFIC DESIGN AND SHALL COMPLY WITH PROVISIONS OF AWWA C504 RUBBER-SEATED BUTTERFLY VALVES. VALVE OPERATIONS SHALL BE APPROVED GEAR ACTUATORS, WITH SEALED ENCLOSURES FOR BURIED OR SUBMERGED SERVICE. UNITS SHALL BE EQUIPPED WITH ACTUATING NUTS, CAST IRON HANDWHEELS OR CHIN OPERATORS WITH GALVANIZED STEEL CHAINS, AS APPROPRIATE FOR THE INSTALLATION. VALVES SHALL BE MODEL 450 AS MANUFACTURED BY MAH VALVE COMPANY OR APPROVED EQUAL.
- E. PLUG VALVES: PLUG VALVES SHALL HAVE A SEMI-STEEL BODY, NON-LUBRICATED, ECCENTRIC TYPE, 100% 1/2" PORT OPENING, WITH RESILIENT FACED PLUGS CAPABLE OF DRIP-TIGHT BI-DIRECTIONAL SHUT-OFF AT THE FULL RATED PRESSURE. VALVES SHALL BE LINED WITH A CERAMIC EPOXY MATERIAL SUCH AS PROTECTO 41 OR PERMITE 9043. EXPOSED VALVES SHALL HAVE FLORED CONNECTIONS, BURIED VALVES SHALL HAVE MECHANICAL JOINT CONNECTIONS. BURIED VALVES SHALL HAVE STEM EXTENSIONS WHICH SHALL BRING THE OPERATING NUT WITHIN TWO FEET OF FINISHED GRADE. STEM EXTENSION SHALL BE CONTAINED WITHIN AN APPROPRIATELY SIZED VALVE BOX. GEAR ACTUATORS FOR VALVES 8 INCHES OR LARGER SHALL BE PROVIDED. VALVES AND APPURTENANCES SHALL BE SERIES 100 AS MANUFACTURED BY DEZURIK CORP., MILLIKO OR APPROVED EQUAL.
- 27. CONNECTION TO EXISTING LINES TO WHICH PIPING OF THIS CONTRACT MUST CONNECT, THE FOLLOWING WORK SHALL BE PERFORMED.
 - A. EXPOSE BURIED LINES TO CONFIRM OR DETERMINE END CONNECTION, PIPE MATERIAL AND DIAMETER.
 - B. FURNISHING AND INSTALLING PIPING AND MAKING PROPER CONNECTIONS.
- 28. THRUST BLOCKS
 - A. LONGITUDINAL THRUST ALONG PRESSURIZED PIPE LINES AT BENDS, TEES, REDUCERS, ELBOWS OR PLUGS SHALL BE COUNTERACTED BY ENOUGH WEIGHT OF CONCRETE TO COUNTER BALANCE THE VERTICAL AND HORIZONTAL THRUST FORCE, WHERE UNDISTURBED TRENCH WALLS ARE NOT AVAILABLE FOR THRUST BLOCKING, THE CONTRACTOR SHALL FURNISH AND INSTALL SUITABLE PIPE HARNESSES OR TIES DESIGNED AND MANUFACTURED SPECIFICALLY FOR THIS PURPOSE. HARNESSES AND / OR TIES SHALL BE APPROVED BY THE ENGINEER.
 - B. JOINTS SHALL BE PROTECTED BY FELT ROOFING PAPER PRIOR TO PLACING CONCRETE THRUST BLOCK.
 - C. BEARING AREA OF THRUST BLOCKS SHALL BE ADEQUATE TO PREVENT ANY MOVEMENT OF THE FITTING AND SHALL BE OF THE SIZE AND DIMENSIONS AS SHOWN ON THE DRAWINGS.
 - D. CONCRETE FOR THRUST BLOCK SHALL BE CLASS C. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED MATERIAL, AND SHALL NOT COVER JOINTS, BOLTS OR NUTS, OR INTERFERE D. WITH THE REMOVAL OF ANY JOINT, WOODEN SIDE FORMS SHALL BE PROVIDED FOR THRUST BLOCKS, IN LIEU OF THRUST BLOCKING AND WITH THE APPROVAL OF THE ENGINEER. PIPE HARNESSES AND/OR TIES, OR RESTRAINED PUSH-ON, OR RESTRAINED MECHANICAL JOINTS MAY BE USED.
 - E. RESTRAINED JOINTS SHALL BE USED WHERE SHOWN ON THE DRAWINGS.
- 29. RESTRAINED JOINTS
 - A. SECTIONS OF PIPING DESIGNATED ON THE DRAWINGS AS HAVING RESTRAINED JOINTS OR THOSE REQUIRING RESTRAINED JOINTS SHALL BE CONSTRUCTED USING PIPE AND FITTINGS WITH A RESTRAINED "LOCKED-TYPE" JOINTS AND THE JOINTS SHALL BE CAPABLE OF HOLDING AGAINST WITHDRAWAL FOR LINE PRESSURES 50% ABOVE THE NORMAL WORKING PRESSURE, BUT NOT LESS THAN 150 PSI. THE PIPE AND FITTINGS SHALL BE SHOWN FOR RESTRAINED PUSH-ON JOINTS OR RESTRAINED MECHANICAL JOINTS ON PAGE 416 IN SECTION VI, IN THE HANDBOOK OF CAST IRON PIPE, 4TH EDITION. MECHANICAL JOINT DUCTILE IRON PIPE RETAINER GLANDS WILL BE PERMITTED ONLY WHEN RESTRAINED JOINTS ARE NOT READILY AVAILABLE.
 - B. RESTRAINED PIPE JOINTS THAT ACHIEVE RESTRAINT BY INCORPORATING CUT OUT SECTIONS IN THE WALL OF THE PIPE SHALL HAVE A MINIMUM WALL THICKNESS AT THE POINT OF CUT B. OUT THAT CORRESPONDS WITH THE MINIMUM SPECIFIED THICKNESS FOR THE REST OF THE PIPE.
 - C. THE MINIMUM NUMBER OF RESTRAINED JOINTS REQUIRED FOR RESISTING FORCES AT FITTINGS AND CHANGES IN DIRECTION OF PIPE SHALL BE DETERMINED FROM THE LENGTH OF THE C. RESTRAINED PIPE ON EACH SIDE OF FITTINGS AND CHANGES IN DIRECTION NECESSARY TO DEVELOP RESISTING FRICTION WITH THE SOIL. THE FORMULA AND PARAMETERS GIVEN BELOW SHALL BE USED TO DETERMINE THE MINIMUM REQUIREMENTS.
 - D. BOLTS AND NUTS FOR RESTRAINED JOINTS SHALL BE CORTEN, LOW ALLOW, HIGH STRENGTH STEEL.
 - E. THE CONTRACTOR SHALL ALSO PROVIDE RESTRAINED JOINTS IN ACCORDANCE WITH THE ABOVE CRITERIA WHENEVER THRUST BLOCKS ARE NOT USED IN CONNECTION WITH BELOW G. GROUND FITTINGS ON LINES 6-INCHES IN DIAMETER OR LESS, AND AS APPROVED BY THE ENGINEER.
- 30. PRESSURE AND LEAKAGE TEST OF UNDERGROUND PRESSURE PIPING
 - A. HYDROSTATIC PRESSURE AND LEAKAGE TEST SHALL CONFORM WITH SECTION 7.3 OF AWWA C605 (PVC) AND SECTION 5.2 OF AWWA C600 (DIP) SPECIFICATION WITH THE EXCEPTION THAT THE CONTRACTOR SHALL FURNISH ALL GAUGES, METERS, PRESSURE PUMPS AND OTHER EQUIPMENT NEEDED TO TEST THE LINE.
 - B. THE PRESSURE REQUIRED FOR THE FIELD HYDROSTATIC PRESSURE TEST SHALL BE 50% ABOVE THE NORMAL WORKING PRESSURE BUT NOT LESS THAN 150 PSI. THE CONTRACTOR B. SHALL PROVIDE TEMPORARY PLUGS AND BLOCKING NECESSARY TO MAINTAIN THE REQUIRED TEST PRESSURE. CORPORATION COCKS AT LEAST 3/4-INCH IN DIAMETER, PIPE RISER AND ANGLE GLOBE VALVES SHALL BE PROVIDED AT EACH PIPE DEAD-END IN ORDER TO BLEED AIR FROM THE LINE. DURATION OF PRESSURE TEST SHALL BE AT LEAST 2 HOURS WITH NO LEAKAGE WITHIN 2 HOURS TEST PERIOD. THE COST OF THESE ITEMS SHALL BE PAID BY THE CONTRACTOR.

- C. THE LEAKAGE TEST SHALL BE CONDUCTED FOLLOWING THE PRESSURE TEST AND SHALL BE OF NOT LESS THAN 2 HOURS DURATION. ALL LEAKS EVIDENT AT THE SURFACE SHALL BE REPAIRED AND LEAKAGE ELIMINATED REGARDLESS OF TOTAL LEAKAGE AS SHOWN BY TEST. LINES WHICH FAIL TO MEET TESTS SHALL BE REPAIRED AND RETESTED AS NECESSARY UNTIL TEST REQUIREMENTS ARE COMPLIED WITH. DEFECTIVE MATERIALS, PIPES VALVES AND ACCESSORIES SHALL BE REMOVED AND REPLACED. THE PIPE LINES SHALL BE TESTED IN SUCH SECTIONS AS MAY BE DIRECTED BY THE ENGINEER BY SHUTTING VALVES OR INSTALLING TEMPORARY PLUGS AS REQUIRED. THE LINES SHALL BE FILLED WITH WATER ALL AIR REMOVED AND THE TEST PRESSURE SHALL BE MAINTAINED IN THE PIPE FOR THE ENTIRE TEST PERIOD BY MEANS OF A FORCE PUMP TO BE FURNISHED BY THE CONTRACTOR. ACCURATE MEANS SHALL BE PROVIDED FOR MEASURING THE WATER REQUIRED TO MAINTAIN THIS PRESSURE. THE AMOUNT OF WATER REQUIRED IS A MEASURE OF THE LEAKAGE.
- D. THE AMOUNT OF LEAKAGE WHICH WILL BE PERMITTED SHALL BE IN ACCORDANCE WITH AWWA C800 STANDARDS FOR ALL PRESSURE. NO PIPE INSTALLATION D. SHALL BE ACCEPTED IF THE LEAKAGE IS GREATER THAN THE FOLLOWING FORMULA:

THIS FORMULA SHALL BE USED FOR "PVC" PIPE THIS FORMULA SHALL BE USED FOR "DIP" PIPE

$$L = \frac{ND}{7,400} \sqrt{\frac{P}{S}}$$
$$L = \frac{SD}{103,000} \sqrt{\frac{P}{S}}$$

WHERE:
L = ALLOWABLE LEAKAGE (GALLONS) IN LENGTH OF PIPE TESTED (LINE FEET)
N = NORMAL DIAMETER OF PIPE (INCHES)
D = NORMAL DIAMETER OF PIPE (INCHES)
P = 100 PSI FOR FORCEMANS
S = NUMBER OF JOINTS

- E. THE CONTRACTOR MUST SUBMIT HIS PLAN FOR TESTING TO THE ENGINEER FOR REVIEW AT LEAST TEN (10) DAYS BEFORE STARTING THE TEST. THE CONTRACTOR SHALL REMOVE AND ADEQUATELY DISPOSE ALL BLOCKING MATERIAL AND EQUIPMENT AFTER COMPLETION AND ACCEPTANCE OF THE FIELD HYDROSTATIC TEST, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ANY DAMAGE TO THE PIPE COATING SHALL BE REPAIRED BY THE CONTRACTOR. LINES SHALL BE TOTALLY FREE AND CLEAN PRIOR TO FINAL ACCEPTANCE.

31. LEAKAGE TEST FOR GRAVITY SANITARY SEWERS

- A. LEAKAGE TEST SHALL BE THE LOW PRESSURE AIR TEST OR LEAKAGE / INFILTRATION, IN GENERAL, LEAKAGE / INFILTRATION TEST MAY BE REQUIRED IN AREA WITH GROUNDWATER. MAXIMUM INFILTRATION IS 0.2 GALLONS PER HOUR, PER INCH DIAMETER, PER 100 FEET. MANHOLE MAY BE TESTED SIMULTANEOUSLY WITH HYDROSTATIC TEST, BY FILLING MANHOLE WITH WATER TO AN ELEVATION 1 FOOT BELOW THE START OF THE CONE SECTION WITH A MINIMUM DEPTH OF 20 FEET WHERE THE MANHOLES ARE TESTED WITH THE SEWER LINE NO ADDITIONAL LEAKAGE WILL BE ALLOWED ABOVE THAT FOR THE MAINLINE SEWER. THE MAXIMUM ALLOWABLE DROP IN THE WATER SURFACE SHALL BE 1/2 INCH FOR EACH 15 MINUTES PERIOD OF TESTING.
- B. THE AIR LEAKAGE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROCEDURE FOR "RECOMMENDED PRACTICE FOR LOW PRESSURE AIR TESTING OF INSTALLED SEWER PIPE", AS ESTABLISHED BY THE UNI-BELL PVC PIPE ASSN. PASSING THIS TEST, SHALL BE PRESUMED TO ESTABLISH LEAKAGE TEST LIMITS OF 50 GALLONS PER DAY PER INCH DIAMETER PER MILE SEWER.
- C. INTERNAL VIBRATION INSPECTION FOR THE GRAVITY SEWER SHALL BE PERFORMED BY THE CONTRACTOR TO CHECK FOR ALIGNMENT AND DEFLECTION. THE TELEVISION INSPECTION SHALL ALSO BE USED TO CHECK FOR CRACKED, BROKEN OR OTHERWISE DEFECTIVE PIPE, AND OVERALL PIPE INTEGRITY.
- D. THE CONTRACTOR SHALL SUBMIT CONTRACTOR TO OBTAIN PRIOR WRITTEN APPROVAL FROM THE CITY AS TO WHICH TYPE OF TEST IS TO BE D. PERFORMED. 40. STANDARDS SHALL ALL PROFESSIONAL STANDARDS LISTED WITHIN THESE NOTES SHALL REFER TO THE MOST CURRENT EDITION.

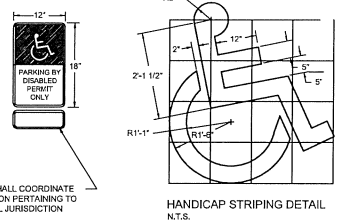
- 32. STANDARDS
ALL PROFESSIONAL STANDARDS LISTED WITHIN THESE NOTES SHALL REFER TO THE MOST CURRENT EDITION

STRIPING AND SIGNAGE NOTES

- 1. UNLESS OTHERWISE NOTED, ALL PAVEMENT STRIPING SHALL BE PAINT. PAINTING SHALL COMPLY WITH FDOT SPECIFICATION SECTION 710 AND 971.
- 2. SIGNS AND PAVEMENT MARKINGS ARE TO BE PLACED IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE TRAFFIC DESIGN STANDARDS.
- 3. PARKING LOT STRIPING ROWS SHALL BE DISTRIBUTED EVENLY BETWEEN LANDSCAPE ISLAND CURBS TO ACHIEVE THE NUMBER OF SPACES INDICATED ON THE STRIPING PLAN.
- 4. SIGNAGE SHALL HAVE A MINIMUM BOTTOM OF SIGN TO FINISH GRADE OF 7 FEET.
- 5. REFLECTIVE PAVEMENT MARKERS SHALL CONFORM TO FDOT STANDARD SPECIFICATION SECTION 706.
- 6. THERMOPLASTIC STRIPING SHALL BE IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATION SECTION 711. ONLY ALKYD BASED MATERIALS SHALL BE USED.

GENERAL NOTES

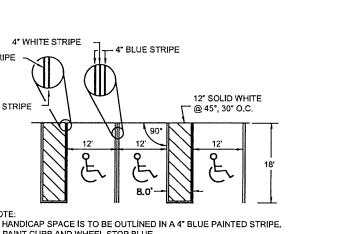
- 1. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER, PRIOR TO CONSTRUCTION, OF ANY DISCREPANCIES FOUND BETWEEN THESE PLANS, THE ARCHITECTURAL PLANS AND/OR FIELD CONDITIONS.
- 2. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE VARIOUS UTILITIES TO FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES WHICH MAY INTERFERE WITH THE PROPOSED WORK. RELOCATION OR EXTENSION OF EXISTING UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
- 3. ALL MATERIALS, CONSTRUCTION METHODS, CONSTRUCTION INSPECTIONS AND TESTING FOR THE PROJECT IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND CITY OF APOPKA DEVELOPMENT REGULATIONS, MOST RECENT EDITIONS.
- 4. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED ORANGE COUNTY AND CITY OF APOPKA UNDERGROUND UTILITY RIGHT-OF-WAY PERMITS.
- 5. AS-BUILT DRAWINGS SHALL BE PREPARED BY AND CERTIFIED BY A REGISTERED SURVEYOR, AND SHALL BE PROVIDED TO THE PROJECT ENGINEER UPON COMPLETION OF THE PROJECT SITE IMPROVEMENTS. AS-BUILT DRAWINGS SHALL REFLECT ANY CHANGES TO THE IMPROVEMENTS MADE DURING CONSTRUCTION. BOTH THE ORIGINAL DESIGN AND REVISED AS-BUILT DATA, AS APPLICABLE, MUST BE CLEARLY SHOWN. THE AS-BUILT DRAWINGS MUST BE CLEARLY LABELED AS AS-BUILT OR RECORD DRAWING. THE FOLLOWING INFORMATION AT A MINIMUM, SHALL BE CERTIFIED ON THE AS-BUILT DRAWINGS:
 - A. WASTEWATER COLLECTION/TRANSMISSION SYSTEM: LOCATION, DIMENSION, AND INVERT ELEVATIONS OF PIPES, MANHOLES (INCLUDING RIM ELEVATION), AND OTHER ASSOCIATED FACILITIES.
- 6. ALL PRIVATE AND PUBLIC PROPERTY DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING.
- 7. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES TO PROTECT AND FACILITATE TRAFFIC MOVEMENT DURING CONSTRUCTION.
- 8. THE CONTRACTOR SHALL OBTAIN FROM THE OWNER, REVIEW AND MAINTAIN A COPY OF ALL REQUIRED PERMITS FOR THE PROJECT, COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION ON THE CONSTRUCTION SITE.
- 9. THE CONTRACTOR SHALL NOT INITIATE ANY ASPECT OF THE WORK DEPICTED ON THESE DRAWINGS UNTIL HE HAS RECEIVED WRITTEN ACKNOWLEDGMENT FROM THE OWNER OR ENGINEER THAT ALL APPLICABLE PERMITS HAVE BEEN OBTAINED. THE CONTRACTOR SHALL REVIEW, FAMILIARIZE HIMSELF WITH, AND MAINTAIN COPIES OF APPLICABLE PERMITS AT THE CONSTRUCTION SITE, COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS AND MODIFICATIONS.
- 10. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL BARRICADES, WARNING SIGNS, MARKINGS, ETC. FOR HAZARDS AND THE CONTROL OF TRAFFIC, IN CONFORMITY WITH FDOT STANDARDS, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, OR AS DIRECTED BY FDOT OR CITY OF APOPKA; WHERE THE WORK CAUSES OBSTRUCTION TO THE NORMAL TRAFFIC OR CONSTITUTES IN ANY WAY A HAZARD TO THE PUBLIC



NOTES: CONTRACTOR SHALL COORDINATE SIGN INFORMATION PERTAINING TO FINES PER LOCAL JURISDICTION

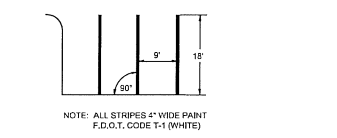
- 1. ALL LETTERS ARE 1" SERIES "C", PER MUTCD.
- 2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
- 3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
- 4. ONE (1) SIGN IS REQUIRED FOR EACH PARKING SPACE.
- 5. HEIGHT OF SIGN SHALL 7'-6" FROM FINISHED GROUND TO BOTTOM OF SIGN.

HANDICAP PARKING SIGN DETAIL



NOTE: 1. HANDICAP SPACE IS TO BE OUTLINED IN A 4\"/>

TYPICAL HANDICAP PARKING SECTION



NOTE: ALL STRIPES 2\"/>

TYPICAL STRIPING DETAIL

CITY OF APOPKA PERMIT #: XX-XXXX

D:\brikman 8/5/2016 J:\CFR-001\Drawings\Construction Plans\11 - GENERAL NOTES - CFR-001.dwg

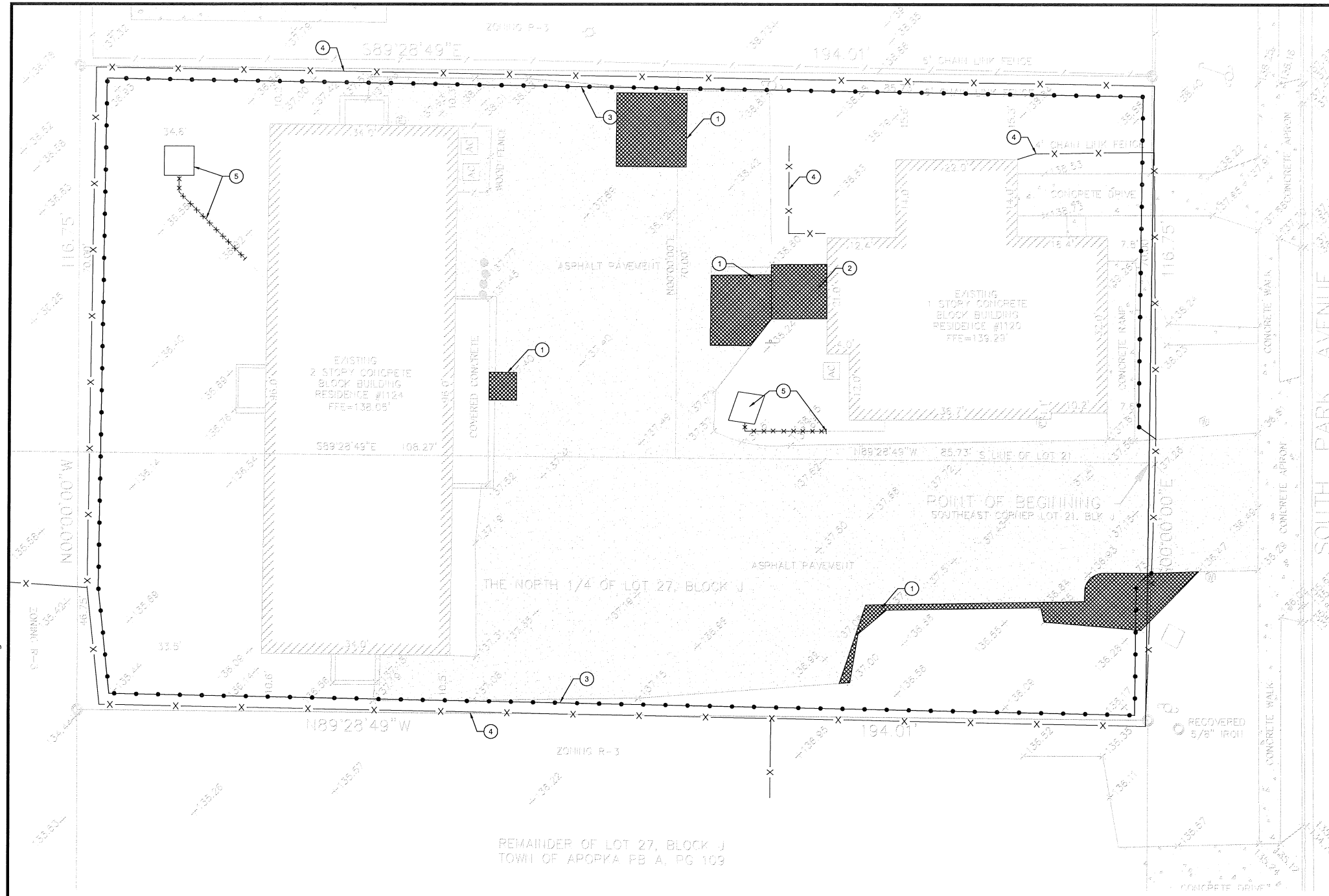
CENTRAL FLORIDA RECOVERY GENERAL NOTES & DETAILS

HEI HIGHLAND ENGINEERING, INC.
78 West Milano Street
Orlando, Florida 32806
Office 407-275-2877
Fax 407-275-7801
CA No. 27612

JOB No.: CFR-001
DESIGNED BY: JB
DRAWN BY: DB
APPROVED BY: JB
DATE: 05.02.16
SHEET: C.1.0

No 64122
JEFFERY W. BANKER, P.E.
REGISTRATION NO. 64122
FLORIDA
DATE: 08/02/2016

J:\CFR-001\Drawings\Construction Plans\C1.0 - DEMO-EROSION CONTROL - CFR-001.dwg
 8/5/2016
 Dbrinkman



GRAPHIC SCALE
 (IN FEET)
 1 inch = 10 ft.

LEGEND

- LIMITS OF SURFACE DEMOLITION
- SILT FENCE

KEY NOTES

- ① REMOVE ASPHALT PAVEMENT
- ② REMOVE CONCRETE PAVEMENT
- ③ SILT FENCE (SEE DETAIL THIS SHEET)
- ④ REMOVE CHAINLINK FENCE
- ⑤ REMOVE EXISTING DOSING TANK AND ASSOCIATED PIPING. CAP EXISTING SEWER PIPING TO ACCOMMODATE MODIFIED SEWER PIPE ROUTING. SEE UTILITY PLAN FOR COORDINATION.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER PRIOR TO CONSTRUCTION OF ANY DISCREPANCIES FOUND BETWEEN THESE PLANS AND EXISTING FIELD CONDITIONS.
2. EXISTING PAVEMENT AREAS TO REMAIN UNDISTURBED SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION ACTIVITIES.
3. CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING LOCATION TO STOCKPILE ANY REUSABLE STRUCTURES, PAVEMENT BASE MATERIAL, FIXTURES, ETC.
4. CONTRACTOR SHALL COORDINATE WITH ALL THE UTILITY COMPANIES FOR ALL UTILITIES THAT REQUIRE REMOVAL OR RELOCATION.
5. DEMOLITION MATERIALS, FACILITIES, ETC., AS DEPICTED AND/OR NOTED BY THESE DRAWINGS, SHALL BE REMOVED FROM FROM OWNERS PROPERTY SHALL BE LEGALLY DISPOSED IN CONFORMANCE WITH APPLICABLE REGULATIONS.

EROSION CONTROL NOTES

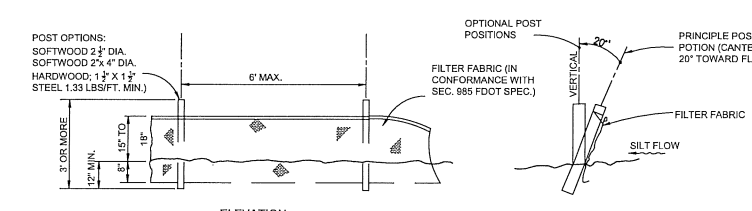
1. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO SOIL DISTURBANCE OR AS THE FIRST STEP IN CONSTRUCTION. THESE MEASURES MUST REMAIN IN PLACE AND MAINTAINED IN GOOD CONDITION UNTIL CONSTRUCTION IS COMPLETE, SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.
2. EROSION CONTROL IS PERFORMANCE BASED, SO MEASURES ADDITIONAL TO WHAT IS INDICATED ON THE APPROVED PLANS MAY BE NEEDED TO PREVENT OFF-SITE IMPACTS.
3. PERIMETER CONTROL PROPERLY TRENCHED SILT FENCE OR OTHER APPROVED PERIMETER CONTROLS SHALL BE PLACED ALONG ALL PERIMETERS OF THE PROJECT SITE, WHICH IS DOWN GRADIENT OF ANY DISTURBED SOIL.
4. THE CONTRACTOR SHALL PROMPTLY REMOVE ALL MUD, DIRT, OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING PUBLIC ROADS AND FACILITIES, DUE TO CONSTRUCTION.
5. DEWATERING ACTIVITIES WILL NOT RESULT IN ANY DISCHARGE OF TURBID WATER FROM THE PROJECT SITE.
6. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.
7. STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
8. THE LOCATION AND TYPE OF THE EROSION CONTROL MEASURES SHOWN ON THIS DRAWING ARE PROVIDED FOR GENERAL GUIDANCE TO THE CONTRACTOR. THE METHODS AND SEQUENCING OF CONSTRUCTION EMPLOYED BY THE CONTRACTOR MAY REQUIRE MORE OR LESS EROSION CONTROL MEASURES THAN THAT DEPICTED TO MAINTAIN ADEQUATE EROSION AND SEDIMENT CONTROL FOR THE CONSTRUCTION ACTIVITIES.
9. EROSION/TURBIDITY BARRIERS MUST BE INSTALLED AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SEDIMENT OR SUSPENDED SOLIDS TO ADJACENT PROPERTIES, JURISDICTIONAL WETLANDS AND/OR RECEIVING WATERBODIES EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST REMAIN IN PLACE AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED. THEREAFTER THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF THE BARRIERS. THE CONTRACTOR SHALL MAINTAIN THE EROSION/TURBIDITY CONTROL BARRIERS DAILY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING

THE NECESSARY EROSION/TURBIDITY CONTROL FOR THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY PENALTIES IMPOSED BY THE PERMITTING AGENCY FOR ANY EROSION, SHOALING, OR WATER QUALITY PROBLEMS RESULTANT TO CONSTRUCTION ACTIVITIES.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY EROSION, SHOALING OR WATER QUALITY PROBLEMS THAT RESULT FROM THE CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL USE APPROPRIATE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL AS DESCRIBED IN THE FLORIDA LAND DEVELOPMENT MANUAL; A GUIDE TO SOUND LAND AND WATER MANAGEMENT AND/OR ACCORDING TO F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS FOR EROSION CONTROL APPLICATIONS.
11. MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO INSURE THAT SEDIMENTATION AND/OR TURBIDITY PROBLEMS ARE NOT CREATED IN THE RECEIVING WATERBODIES. THE CONTRACTOR MUST IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO PREVENT VIOLATIONS OF THE WATER QUALITY CRITERIA AND STANDARDS IN CHAPTERS 17-4, 17-302, F.A.C. ALL EROSION/SEDIMENT CONTROL PRACTICES MUST BE IN ACCORDANCE WITH THE GUIDELINES AND SPECIFICATIONS IN SECTION 6 OF THE FLORIDA LAND DEVELOPMENT MANUAL; A GUIDE TO SOUND LAND AND WATER MANAGEMENT (FLORIDA DEPARTMENT OF

ENVIRONMENTAL REGULATION 1988), UNLESS A PROJECT-SPECIFIC EROSION AND SEDIMENT CONTROL PLAN IS APPROVED BY THE WATER MANAGEMENT DISTRICT IN WHICH CASE THE PRACTICES MUST BE IN ACCORDANCE WITH THE PLAN. IF SITE SPECIFIC CONDITIONS REQUIRE ADDITIONAL MEASURES DURING ANY PHASE OF CONSTRUCTION OR OPERATION TO PREVENT EROSION OR CONTROL SEDIMENT, THE CONTRACTOR MUST IMPLEMENT THE NECESSARY ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES.

12. TEMPORARY SEEDING AREAS OPENED BY CONSTRUCTION OPERATIONS THAT ARE NOT ANTICIPATED TO BE DRESSED OR RECEIVE FINAL GRASSING TREATMENT WITHIN THIRTY DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER, DURING THE SEASON IN WHICH IT IS PLANTED. TEMPORARY SEEDING SHALL BE CONTROLLED SO AS TO NOT ALTER OR COMPETE WITH PERMANENT GRASSING. THE RATE OF SEEDING SHALL BE 30 POUNDS PER ACRE.
13. TEMPORARY GRASSING THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED AS REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. TEMPORARY REGRASSING IF, AFTER 14 DAYS, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED TO ESTABLISH THE DESIRED VEGETATION COVER.



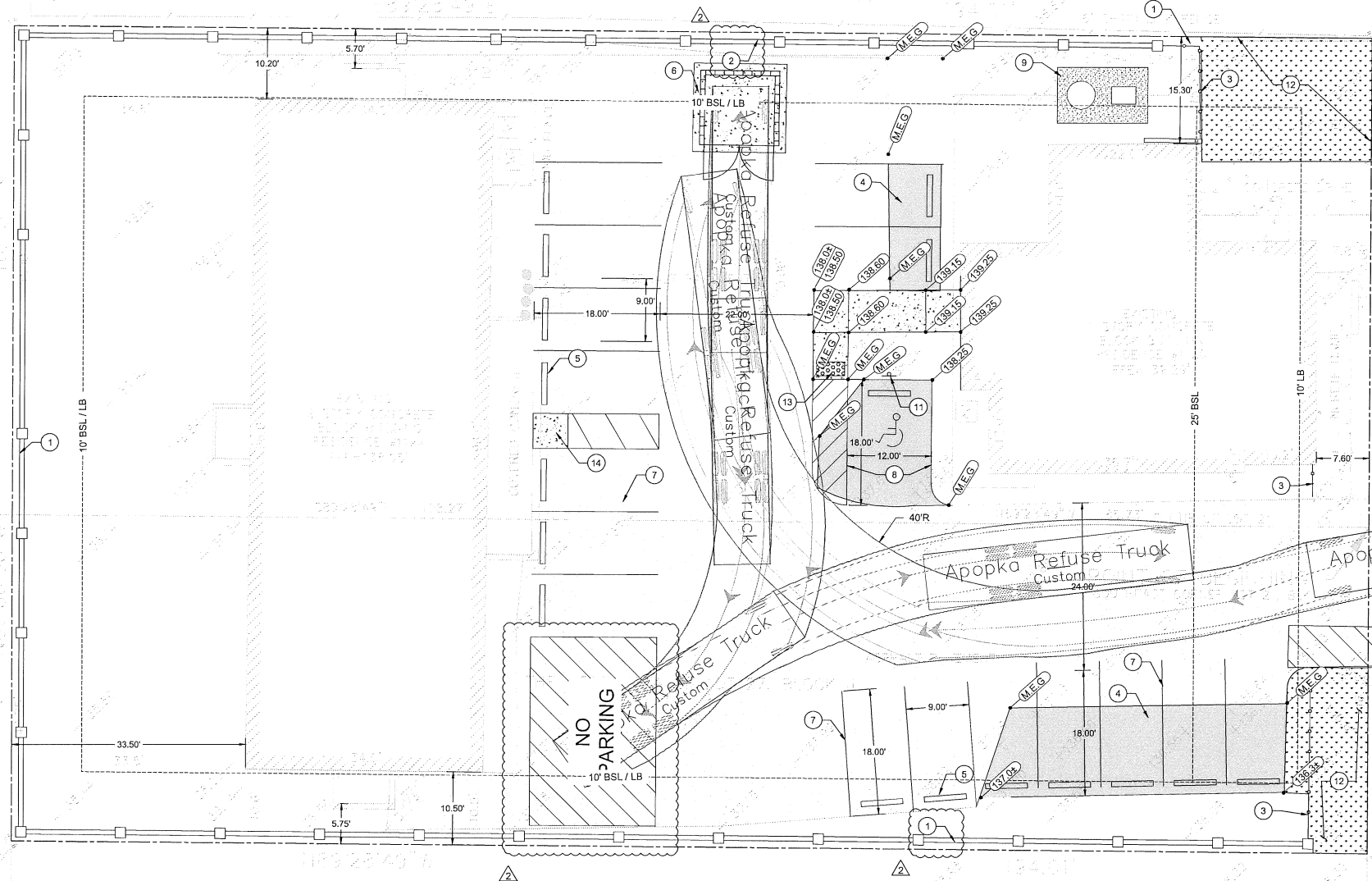
SILT FENCE DETAIL

<p>CENTRAL FLORIDA RECOVERY</p> <p>DEMOLITION & EROSION CONTROL PLAN</p>	<p>HIGHLAND ENGINEERING, INC. 79 West Milano Street Orlando, Florida 32806 Office 407-275-2877 Fax 407-275-7901 Cell No. 27612</p>						
<p>JOB No.: CFR-001</p> <p>DESIGNED BY: JB</p> <p>DRAWN BY: JB</p> <p>APPROVED BY: JB</p> <p>DATE: 05.02.16</p> <p>SHEET: C1.1</p>	<p>NOT FOR CONSTRUCTION UNLESS SIGNED AND SEALED</p> <p>No 64122</p> <p>JEFFERY W. BAKER, P.E. REGISTRATION No. 64122 FLORIDA DATE: 05/02/2016</p>						
<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>6-30-2016</td> <td>REV.</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	1	6-30-2016	REV.	<p>REVISED PER CITY OF APOPKA COMMENTS</p> <p>DATE</p> <p>DESCRIPTION</p> <p>APP'D BY</p> <p>JWB</p>
NO.	DATE	DESCRIPTION					
1	6-30-2016	REV.					



GRAPHIC SCALE

(IN FEET)
1 inch = 10 ft.

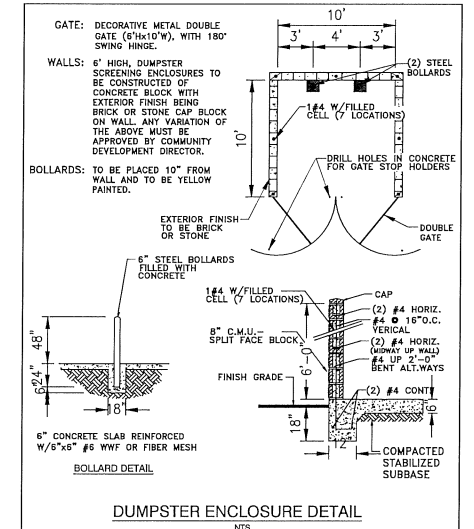


LEGEND

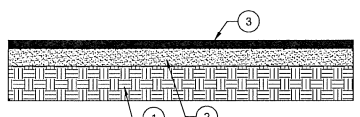
- EXISTING PAVEMENT
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED GRAVEL
- PROPOSED LANDSCAPE AREA
- PROPOSED VINYL FENCE
- PROPOSED CAST IRON FENCE
- PROPERTY BOUNDARY
- 98.5x PROPOSED SPOT ELEVATION
- 98.5x EXISTING SPOT ELEVATION
- BSL BUILDING SETBACK LINE
- LB LANDSCAPE BUFFER
- M.E.G. MATCH EXISTING GRADE

KEY NOTES

- 1 6' HIGH MASONRY SCREEN WALL (PERMITTED BY OTHERS)
- 2 6' HIGH MASONRY SCREEN WALL or 6' VINYL PRIVACY FENCE ALONG NORTH PROPERTY LINE
- 3 CAST IRON or DECORATIVE ALUMINUM FENCE (SEE DETAIL THIS SHEET)
- 4 PROPOSED ASPHALT PAVEMENT
- 5 CURB STOP - TYP. (SEE DETAIL THIS SHEET)
- 6 DUMPSTER ENCLOSURE AND PAD (SEE DETAIL THIS SHEET)
- 7 4" WHITE PARKING STRIPE (TYP. - SEE DETAIL SHEET C1.1)
- 8 6" BLUE HANDICAP PARKING SPACE (SEE DETAIL SHEET C1.1)
- 9 LIFT STATION (SEE SHEETS C3.0 AND C4.0)
- 10 NOT USED
- 11 HANDICAP PARKING SIGN
- 12 LANDSCAPING AND IRRIGATION TO BE IN ACCORDANCE WITH CITY ORDINANCE NO. 2068
- 13 2' DETECTABLE WARNING STRIP
- 14 CONCRETE RAMP - MAX SLOPE OF 8%



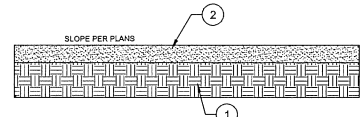
CITY OF APOPKA DESIGN ENGINEERING DIVISION JANUARY 2014 FIG. 601



- 1 10" STABILIZED SUBGRADE (MINIMUM LBR OF 40 OR FBV OF 75)
- 2 6" BASE LIMEROCK OR CRUSHED CONCRETE; (MINIMUM LBR OF 100). THE EXCAVATED GRAVEL SHALL BE DISTRIBUTED AND COMPACTED EVENLY AT THE BOTTOM OF THE BASE COURSE WITHIN PAVEMENT AREA #1 AND PAVEMENT AREA #2
- 3 1.5" ASPHALT (TYPE S-3)

NOTE: THE BASE COURSE MAY BE INCREASED FROM 6" TO 10" AS AN ACCEPTABLE ALTERNATE TO PROVIDING A 10" STABILIZED SUBGRADE.

PAVEMENT TYPICAL SECTION NTS

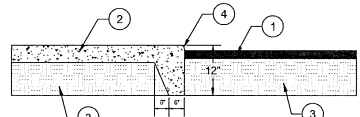


- 1 12" COMPACTED SUBGRADE: CLEAN FINE SAND (SP USCS CLASSIFICATION) COMPACTED TO 95% OF THE PROCTOR MAX DRY DENSITY (ASTM D1557)
- 2 4" CONCRETE (3000 PSI, FIBERMESH, NON-REINFORCED)

NOTE:

- 1) SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS.
- 2) 3/16" SAW CUTS SHALL BE AT 6' MAX INTERVALS WITHIN 96 HOURS OF POUR.
- 3) 3/16" SAW CUTS JOINTS, 1 1/2" (WITHIN 12 HRS) MAX. 30' CENTERS.

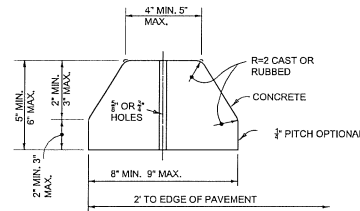
CONCRETE SIDEWALK SECTION NTS



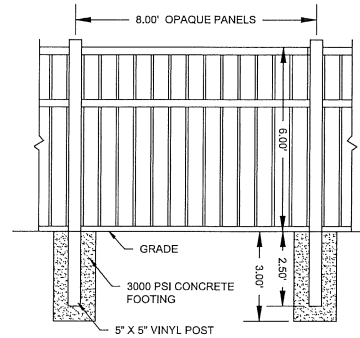
- 1 1.5" ASPHALT SURFACE
- 2 4" CONCRETE (3000 PSI, FIBERMESH, NON-REINFORCED)
- 3 STABILIZED SUBGRADE
- 4 1/2" RADIUS

NOTE: THICKENED EDGE TO BE INSTALLED WHERE CONCRETE PAVEMENT ADJOINS ASPHALT PAVEMENT

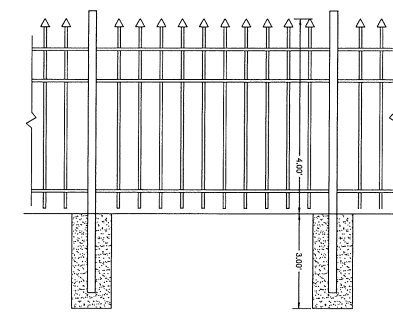
THICKENED CONCRETE EDGE DETAIL NTS



WHEEL STOP DETAIL NTS



VINYL FENCE DETAIL NTS



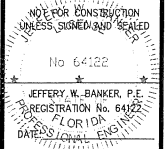
ALUMINUM FENCE DETAIL NTS

CENTRAL FLORIDA RECOVERY

SITE PLAN & DETAILS

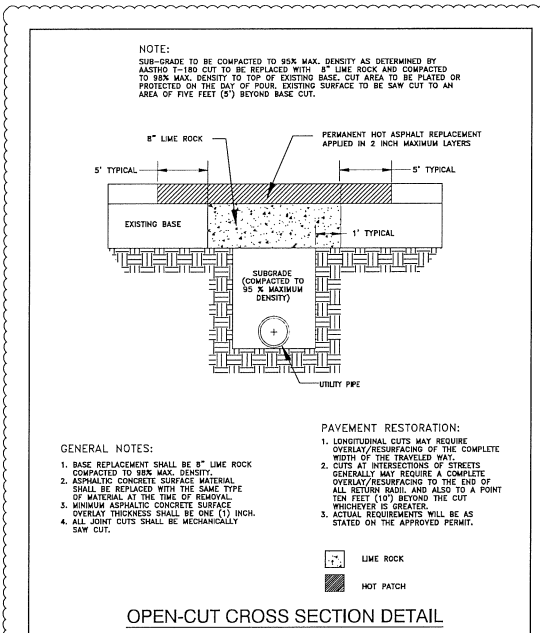


JOB No.: CFR-001
 DESIGNED BY: JB
 DRAWN BY: DB
 APPROVED BY: JB
 DATE: 05.02.16
 SHEET: C2.0

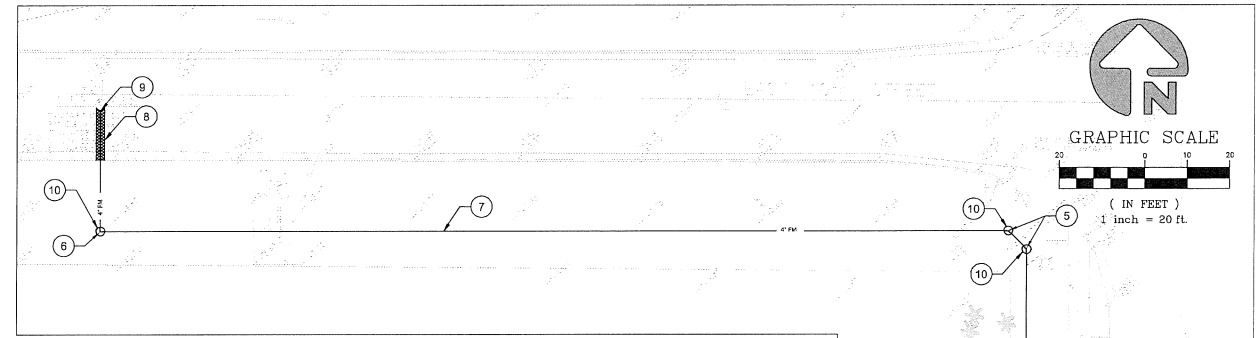
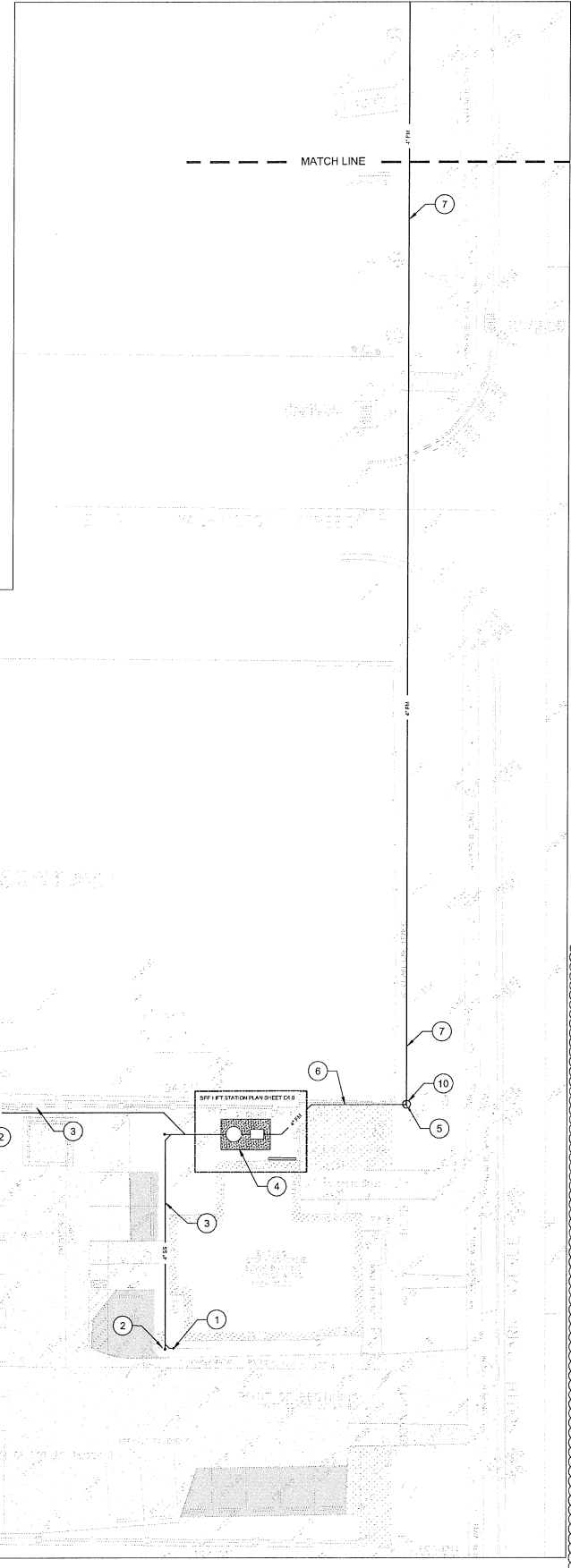
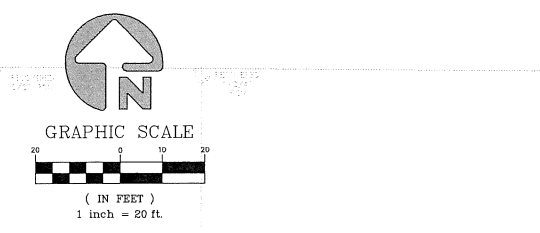


J:\CFR-001\Drawings\Construction Plans\C2.0 - SITE PLAN - CFR-001.dwg

Dbrinkman 8/5/2016



CITY OF APOPKA
 DESIGN ENGINEERING DIVISION
 JANUARY 2015
 FIG. 702

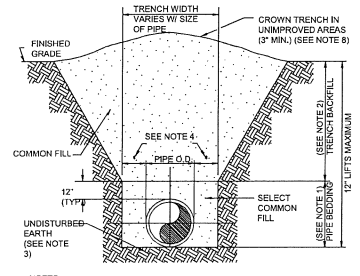


KEY NOTES

- 1 CONNECT TO EXISTING 4" SANITARY (SCH. 40 PVC)
- 2 4" CLEANOUT
- 3 4" SANITARY SEWER PIPING (SCH. 40 PVC) @ 1.0% MIN SLOPE
- 4 SANITARY SEWER LIFT STATION (SEE LIFT STATION PLAN SHEET C4.0)
- 5 4" MJ FITTING
- 6 4" HDPE FORCE MAIN PIPING (TRENCHED INSTALLED - SEE DETAIL THIS SHEET)
- 7 4" HDPE FORCE MAIN PIPING (DIRECTION DRILLED)
- 8 SAWCUT AND REMOVE PAVEMENT TO ACCOMMODATE FORCE MAIN INSTALLATION (SEE DETAIL THIS SHEET - COORDINATE WITH CITY OF APOPKA)
- 9 CONNECT TO EXISTING MANHOLE (SEE DETAIL THIS SHEET)
- 10 BORE / RECEIVING PIT WHERE REQUIRED

DIRECTIONAL BORING NOTES

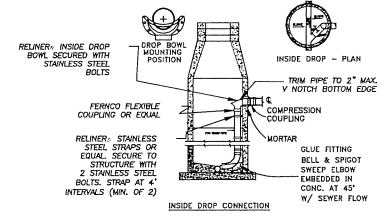
1. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO LOCATE AND IDENTIFY EXISTING UTILITIES.
2. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES AT ALL POINTS OF CROSSINGS AND/OR CONFLICTS.
3. CONTRACTOR SHALL PROVIDE A MINIMUM SEPARATION OF 18" AT POINTS OF UTILITY CROSSINGS.
4. CONTRACTOR SHALL OBTAIN REQUIRED ORANGE COUNTY RIGHT OF WAY AND MOT PERMITS PRIOR TO WORK IN THE PARK AVENUE RIGHT OF WAY.



- NOTES:**
1. PIPE BEDDING - SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-160.
 2. TRENCH BACKFILL - COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-160.
 3. PIPE BEDDING TYPE TO BE DETERMINED IN THE FIELD, AS DIRECTED BY THE CITY.
 4. (1) 15" MAX. FOR PIPE DIAMETER LESS THAN 24"; AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
 5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
 6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
 7. REFER TO SECTION 05.6 OF THE CITY CONSTRUCTION DESIGN STANDARDS MANUAL FOR SHEETING AND BRACING IN EXCAVATIONS.
 8. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN THE CITY OF APOPKA RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.

MANHOLE CONNECTION NOTES

1. CONTRACTOR SHALL LINE THE INTERIOR SURFACES OF THE MANHOLE IN ACCORDANCE WITH THE CITY OF APOPKA UTILITY DESIGN AND CONSTRUCTIONS MANUAL, APPENDIX C2.



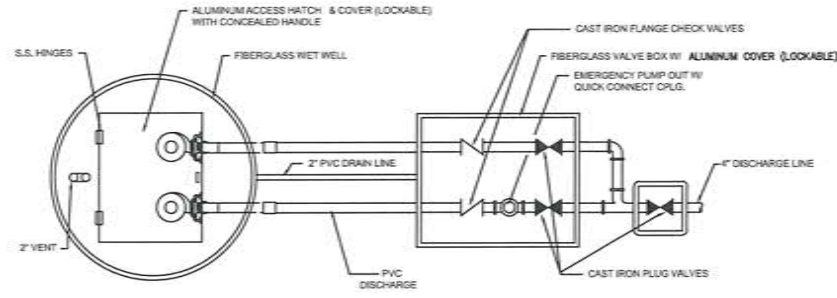
- NOTES:**
1. ALL INSIDE DROP CONNECTIONS FOR SERVICES AND COLLECTOR SEWERS SHALL USE THE DROP PIPE AS PROVIDED BY: REINER-CORVAN, INC. 2141 W. WINDY RD. CINC. OH 45221 (603)34-0277 FAX: (603)434-3195 OR EQUAL.
 2. SECURE DROP PIPE TO MANHOLE WALL WITH REINER-CORVAN, INC. STAINLESS STEEL ANGLE/CLAMP BRACKETS.

- NOTES:**
1. DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.
 2. THE CITY MAY APPROVE ALTERNATE WATER-TIGHT CONNECTION DETAILS FOR CONNECTION OF 24" DIAMETER PIPES AND LARGER.
 3. AN INSIDE DROP CONNECTION SHALL BE REQUIRED FOR ALL INFLUENT WHICH HAVE AN INVERT 24" OR MORE ABOVE THE OUTFLOW PIPE INVERT.
 4. CONCRETE TO BE MINIMUM OF 3500 PSI.

CITY OF APOPKA
 DESIGN ENGINEERING DIVISION
 JANUARY 2014
 FIG. 201

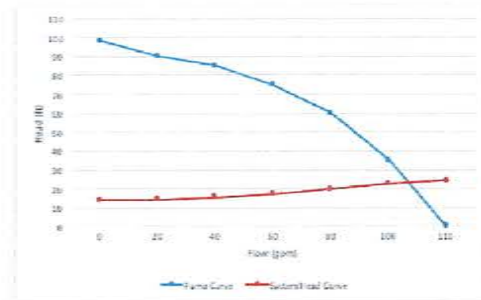
CENTRAL FLORIDA RECOVERY	SITE UTILITY PLAN & DETAILS									
HEI HIGHLAND ENGINEERING, INC. 73 West Wilma Street Orlando, Florida 32806 Office 407-275-7877 Fax 407-275-7901 CA No. 27612										
JOB No.: CFR-001 DESIGNED BY: JB DRAWN BY: DB APPROVED BY: JB DATE: 05.02.16 SHEET: C3.0	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REV.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>2</td> <td>8-1-2016</td> <td>REVISED PER CITY OF APOPKA COMMENTS</td> </tr> <tr> <td>1</td> <td>6-30-2016</td> <td>REVISED PER CITY OF APOPKA COMMENTS</td> </tr> </table>	REV.	DATE	DESCRIPTION	2	8-1-2016	REVISED PER CITY OF APOPKA COMMENTS	1	6-30-2016	REVISED PER CITY OF APOPKA COMMENTS
REV.	DATE	DESCRIPTION								
2	8-1-2016	REVISED PER CITY OF APOPKA COMMENTS								
1	6-30-2016	REVISED PER CITY OF APOPKA COMMENTS								
NO FOR CONSTRUCTION UNLESS SIGNED AND SEALED No. 64122 JEFFERY W. BANKER, P.E. REGISTRATION No. 64122 FLORIDA DATE: 05/02/16										

CONTROL PANEL SHALL BE MANUFACTURED BY A UL508/ 913 APPROVED SHOP

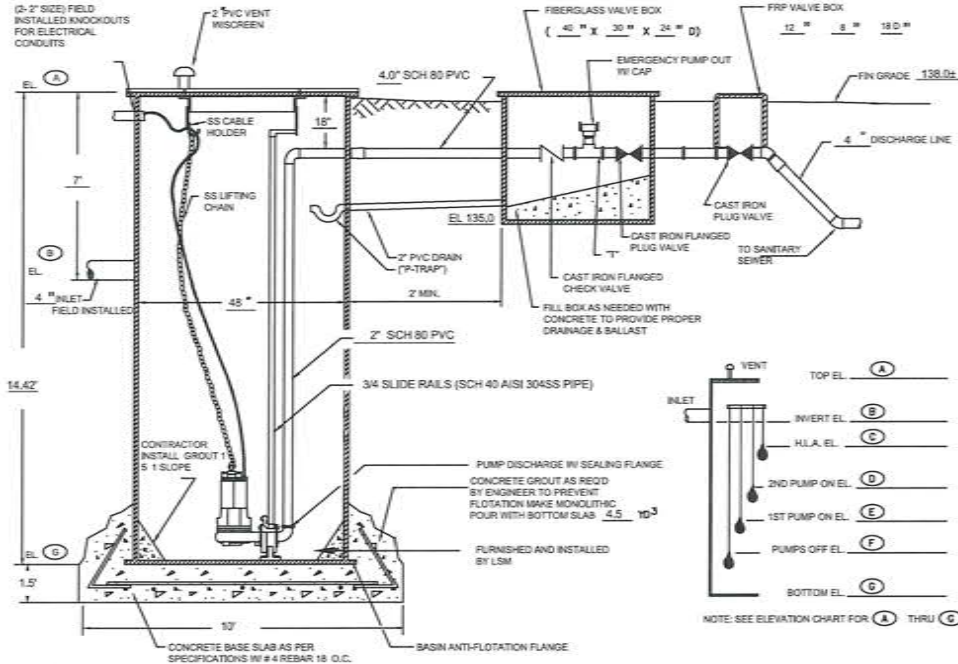


LIFT STATION PLAN NTS

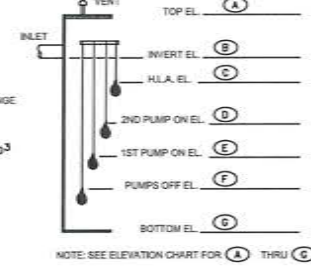
PUMP DATA CHART		ELEVATION CHART	
1	PRIMARY PUMP CAPACITY	105	A TOP OF WETWELL
2	PRIMARY TDH	34	B TOP OF VALVE BOX
3	SECONDARY PUMP CAPACITY	105	C INLET INVERT
4	SECONDARY TDH	34	D HIGH LEVEL ALARM
5	PEAK INFLUENT FLOW RATE	15	E 2ND PUMP ON
6	PUMP CYCLE TIME	15	F 1ST PUMP ON
7	PUMP SYSTEM MANUFACTURER	LSM	G PUMPS OFF
8	PUMP MODEL NO.	BARNES	H BOTTOM OF WETWELL
9	R.P.M.	3450	
10	HORSE POWER	3	
11	ELECTRICAL VOLTS/PHASE	240/3	
12	FULL LOAD AMP. F.L.A. PER PUMP	17	
	F.L.A. TOTAL	34	
13	PUMP DISCHARGE	2	
14	IMPELLER DIA.	5.1"	



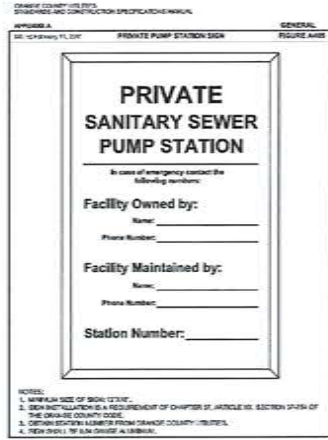
PUMP CURVE INFORMATION



LIFT STATION SECTION NTS



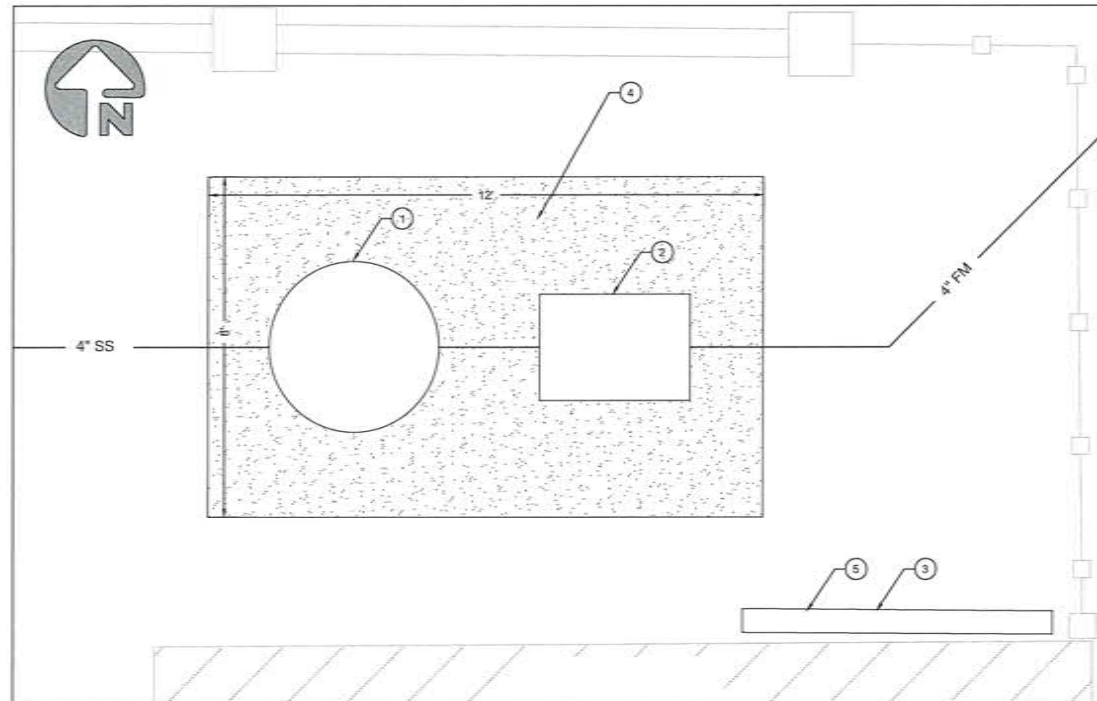
LEVEL CONTROL DIAGRAM



PUMP STATION SIGN DETAIL

LIFT STATION PLAN KEY NOTES

- 1 FIBERGLASS WET WELL
- 2 VALVE BOX
- 3 CONTROL PANEL
- 4 CRUSHED CONCRETE ROAD BASE (6" THICK)
- 5 PRIVATE PUMP STATION SIGN TO BE MOUNTED TO NORTH FACE OF CONTROL PANEL (SEE PUMP STATION SIGN DETAIL - THIS SHEET)



LIFT STATION PLAN

SCALE: 1" = 2'

LSM Grinder/Pac.
GRINDER PUMP SPECIFICATION

PART 1 - GENERAL

1.01. Furnish and install two grinder pumps to deliver 105 GPM against a total head of 34 feet Total Dynamic Head (TDH). Pumps shall be capable of handling domestic sewage with the motor shall be 3 HP 3450RPM, minimal resistance 240V/1.1 3PH/50/60 HERTZ. The motor shall be an integral part of the pumping unit. Pump discharge size shall be 2 inch. Pump, control system, and FRP (Fiberglass reinforced polyester) wetwell shall be LSM Grinder/Pac. Provided and manufactured by LSI Station Manufacturing Corporation of Oviedo, Florida, 32755 Ph# (407) 977-8600

Contract award shall be on the basis of the base bid LSMGrinder Pac system. Alternative deductive systems shall be considered only after contract award. Alternative deductive system must be specified at bid time. The contractor shall reimburse the engineer for additional expenses to review alternative system. Any savings shall be shared with the owner.

Due to the superior corrosion resistance and leak proof design of fiberglass, a concrete wetwell will NOT be permitted.

The entire lift station system shall be supplied by the pump supplier and certification of supply will be required.

Any Deviation in the Specified Bid Procedure will result in automatic rejection of alternative systems and will require base bid system to be supplied.

PART 2 - PRODUCTS

2.01 GRINDER PUMP - Pump shall be of the centrifugal BARNES type SGV3032L Model with an integrally built grinder unit and submersible type motor. The pump shall be mounted in the FRP basin by a dual slide rail system in such a way that solids are fed in an up-flow direction to the grinder impeller with no feet or other obstruction below the grinder inlet.

The grinder unit shall be capable of macerating all material in normal domestic and commercial sewage including reasonable amounts of foreign objects such as wood, plastic, glass, rubber, sanitary napkins, disposable diapers and the like to a fine slurry that will pass freely through the pump and the discharge pipe.

The pump motor shall be of the submersible type. Single phase motors shall be of the capacitor start, capacitor run type for high starting torque.

Stator windings shall be of the open type with Class F insulation for operating in air or clean dielectric oil that lubricates bearings and seals and cools the windings. Motor stator shall be pressed into housing for best alignment and maximum heat transfer.

A heat sensor thermostat shall be attached to the top end of the motor winding and shall be connected in series with the magnetic contactor coil in control box to stop motor if motor winding temperature reaches 200 degrees F. Thermostat to automatically reset when motor cools. Two heat sensors are to be used on 3 phase motors.

The common motor pump and grinder shaft shall be of AISI 416 SS threaded to take pump impeller and grinder impeller.

2.02 DUPLEX PUMP CONTROL PANEL -
a. Shall be designed and installed per manufacturer's recommendations
b. Wails - 1b vacuum breaker installed on hose bib
c. Jump control shall be located 3 feet from wet well perimeter, optionally at "A", "B" or "C".

2.03 FASTENER AND APPURTENANCES- All fasteners, lifting cables, float cable bracket and appurtenances shall be made of AISI 304SS or other material inert to the highly corrosive atmosphere of a sewage lift station. Hinges for the wet well and valve box shall be AISI 304SS minimum.

An aluminum slide/latch assembly shall be provided for holding the doors open on both the wet well and the valve box. Slide rails shall be SCH 40 AISI 304SS pipe.

Pump lifting devices shall be made of AISI 304SS (min.) cable (1/4" min) or 304SS chain of sufficient size, with safety factor to AISI 304SS (min.) pump lifting handle safety the specific pumps. . .balls shall be provided

2.04 FRP PRODUCTS - The pump wetwell shall be manufactured of fiber 2.04 glass reinforced polyester (FRP) of diameter and depth as shown on the lift station elevation detail. The basin/wetwell wall thickness shall be adequate for the depth of the tank to maintain structural integrity in the following condition:
1. Soil modulus of 700 psi,
2. Soil density of 120 lbs/ft
3. Lusschers safety factor of 2.0.

Material for the FRP shall be as follows:
Resin: The resins used shall be a commercial grade unsaturated "isothetic" polyester resin. Orthothetic resins are not acceptable.

Reinforcing Materials: The reinforcing material shall be commercial grade "E" type glass in the form of mat, chopped or roving fabric, having a coupling agent that will provide a suitable bond between the glass reinforcement and the resin.

Fillers and Additives: Fillers of any type shall not be utilized. Additives, such as thixotropic agents, catalysts, promoters, etc., may be added as required by the specific manufacturing process to be used to meet the requirements of this specification.

PART 3 - EXECUTION

3.01 INSTALLATION - shall be in strict accordance with the manufacturer's instructions and recommendations in the locations shown on the drawing.

3.02 INSPECTION AND TESTING - A factory representative shall be 3.02 provided for one (1) day and shall have complete knowledge of proper operation and maintenance to inspect the final installation and supervise the test run of the equipment. Megger the motor. The pump motors shall be meggered out prior to startup to ensure the insulation of the pump motorable system is intact. The pump controls and pumps shall be checked for mechanical reliability and proper operation.

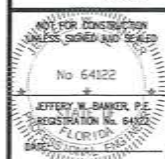
NOTE: Alarm Signals if Controls Fail

CENTRAL FLORIDA RECOVERY

LIFT STATION PLAN & DETAILS



JOB No.:	CFR-001
DESIGNED BY:	JB
DRAWN BY:	DB
APPROVED BY:	JB
DATE:	05.02.16
SHEET:	C4.0



D:\In\man 8/5/2016 U:\CFR-001\Drawings\Construction Plans\C4.0 - LIFT STATION DETAILS.dwg

(SEE THIS SHEET FOR CONTINUATION)

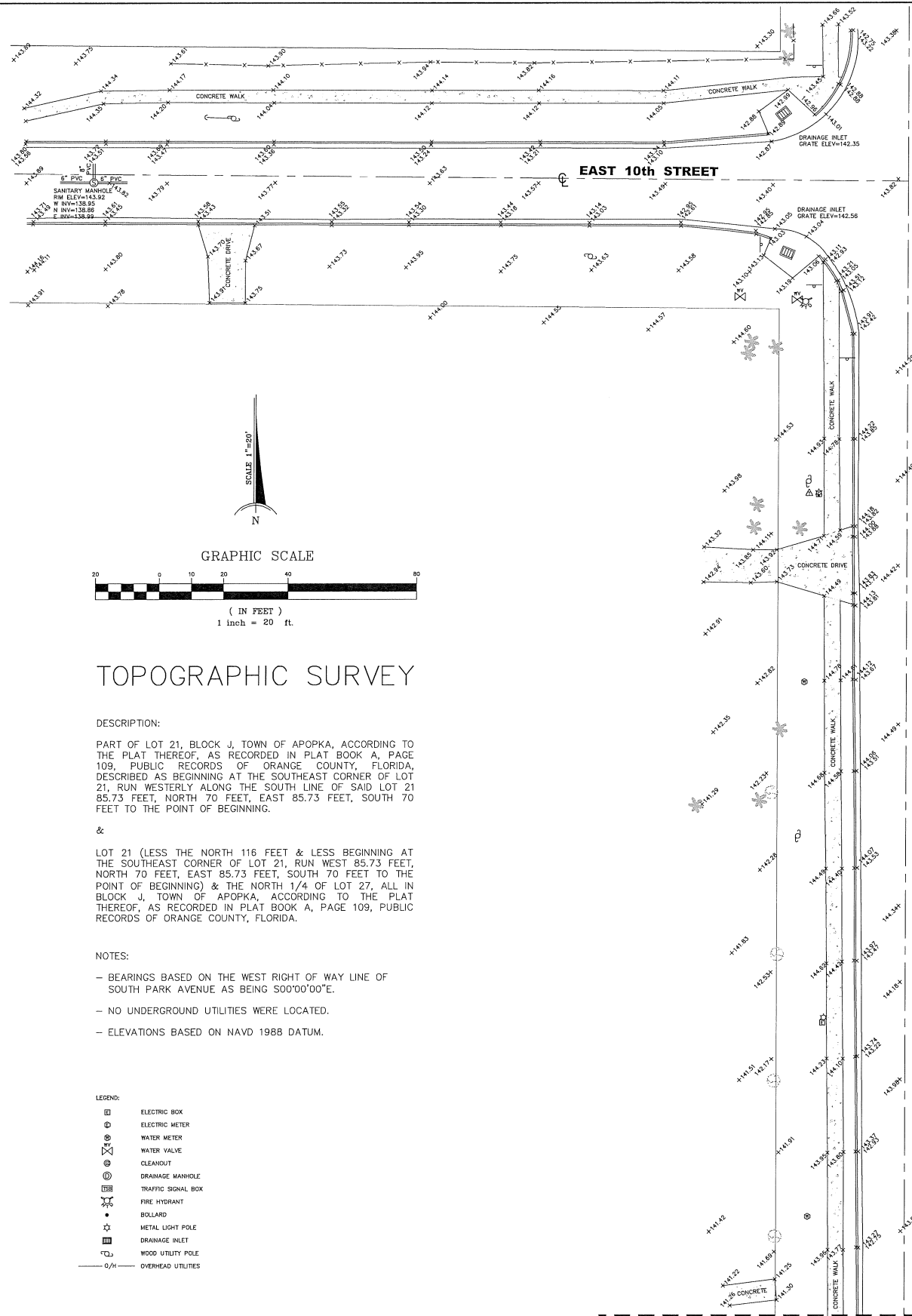
MATCH-LINE

E 11TH STREET

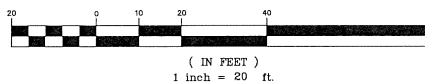
E G H WASHINGTON STREET

RAND COURT

SOUTH PARK AVENUE



GRAPHIC SCALE



TOPOGRAPHIC SURVEY

DESCRIPTION:

PART OF LOT 21, BLOCK J, TOWN OF APOPKA, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK A, PAGE 109, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, DESCRIBED AS BEGINNING AT THE SOUTHEAST CORNER OF LOT 21, RUN WESTERLY ALONG THE SOUTH LINE OF SAID LOT 21 85.73 FEET, NORTH 70 FEET, EAST 85.73 FEET, SOUTH 70 FEET TO THE POINT OF BEGINNING.

&

LOT 21 (LESS THE NORTH 116 FEET & LESS BEGINNING AT THE SOUTHEAST CORNER OF LOT 21, RUN WEST 85.73 FEET, NORTH 70 FEET, EAST 85.73 FEET, SOUTH 70 FEET TO THE POINT OF BEGINNING) & THE NORTH 1/4 OF LOT 27, ALL IN BLOCK J, TOWN OF APOPKA, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK A, PAGE 109, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

NOTES:

- BEARINGS BASED ON THE WEST RIGHT OF WAY LINE OF SOUTH PARK AVENUE AS BEING S00°00'00"E.
- NO UNDERGROUND UTILITIES WERE LOCATED.
- ELEVATIONS BASED ON NAVD 1988 DATUM.

LEGEND:

- ELECTRIC BOX
- ⊙ ELECTRIC METER
- ⊕ WATER METER
- ⊕ WATER VALVE
- ⊕ CLEANDOUT
- ⊕ DRAINAGE MANHOLE
- ⊕ TRAFFIC SIGNAL BOX
- ⊕ FIRE HYDRANT
- ⊕ BOLLARD
- ⊕ METAL LIGHT POLE
- ⊕ DRAINAGE INLET
- ⊕ WOOD UTILITY POLE
- ⊕ OVERHEAD UTILITIES

MATCH-LINE

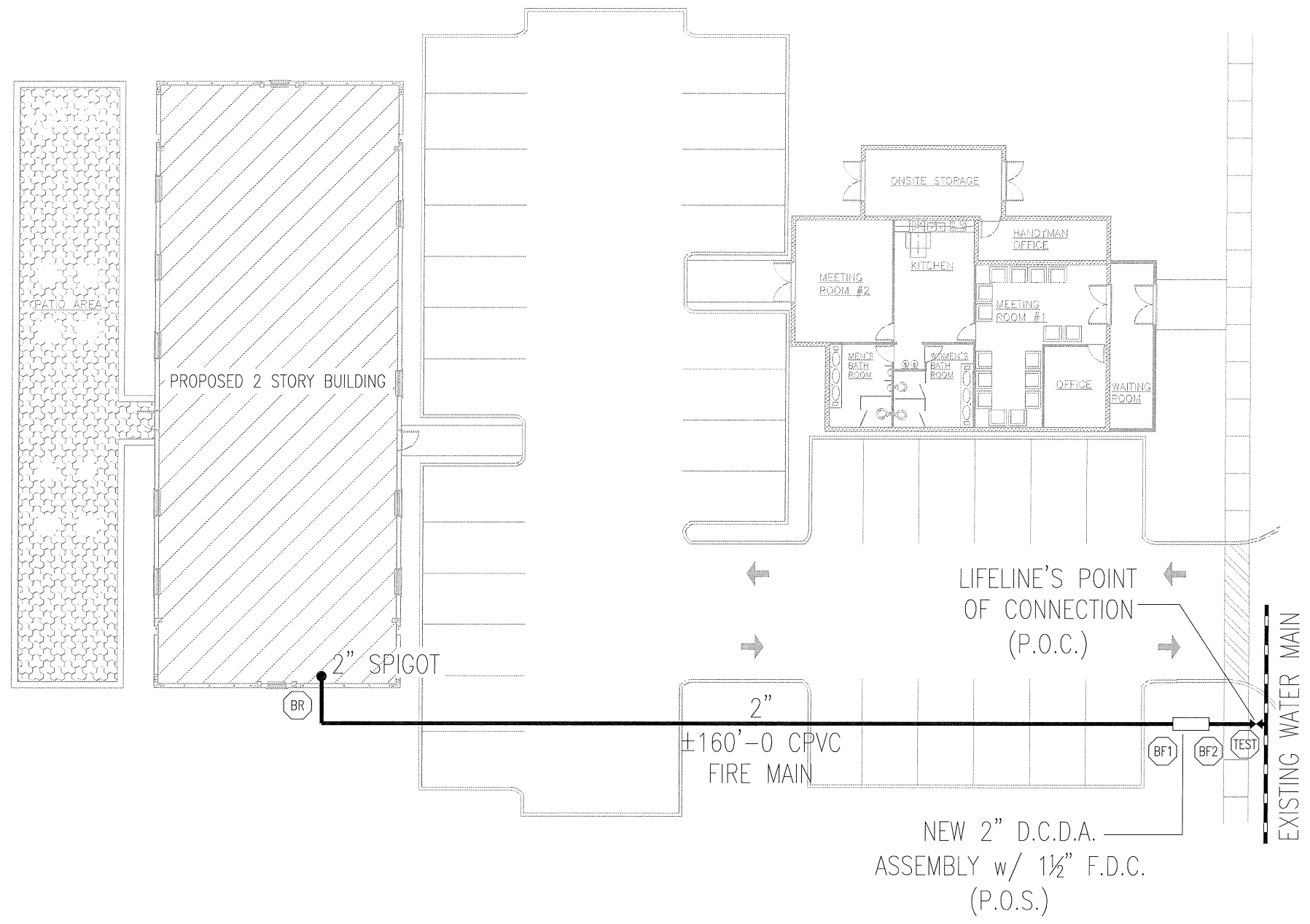
(SEE THIS SHEET FOR CONTINUATION)

THE E 1/2 OF THE E 1/2 OF LOT 20, BLOCK J, TOWN OF APOPKA, PB A, PG 109

THE NORTH 116' OF LOT 21, BLOCK J, TOWN OF APOPKA, PB A, PG 109

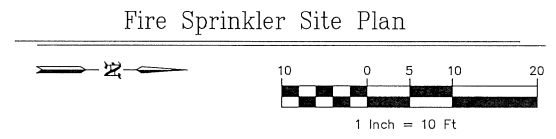
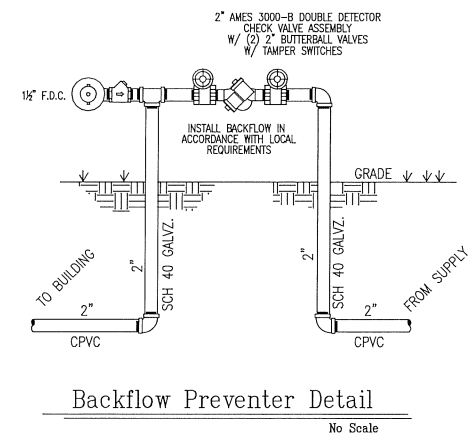
LOT 26, BLOCK J, TOWN OF APOPKA, PB A, PG 109

REMAINDER OF LOT 27, BLOCK J, TOWN OF APOPKA, PB A, PG 109



- UNDERGROUND FIRE MAIN NOTES:
1. ALL MATERIAL AND INSTALLATION TO BE IN ACCORDANCE WITH NFPA 24, 2010 EDITION, AND THE LOCAL AUTHORITY.
 2. ALL JOINTS TO BE RESTRAINED USING BELL RESTRAINTS AND MEGALUGS IN ACCORDANCE WITH NFPA 24, 2007 EDITION AND THE LOCAL AUTHORITY.
 3. ALL PIPING TO HAVE A 36" MINIMUM DEPTH OF BURY FROM TOP OF PIPE TO FINISHED GRADE.
 4. ALL PIPING TO BE FLUSHED AND HYDROSTATICALLY TESTED IN ACCORDANCE WITH NFPA 24, 2010 EDITION, AND THE LOCAL AUTHORITY.
 5. ALL MATERIAL SUBJECT TO CORROSION TO BE CLEANED AND COATED WITH BITUMINOUS TAR.

FLOW TEST DATA	
STATIC:	60 PSI
RESIDUAL:	50 PSI
FLOW:	1,000 GPM
DATE:	6-12-16
TIME:	9:00 AM
LOCATION:	HYDRANT NEAR SITE
BY:	LIFELINE FIRE PROTECTION



1124 Park Avenue
Apopka
Florida

LIFELINE FIRE PROTECTION
FIRE SPRINKLERS & ALARM SYSTEMS
1128 CALLOWAY CIRCLE
CLERMONT, FL 34711
TEL: 352.241.7774
FAX: 352.241.7774

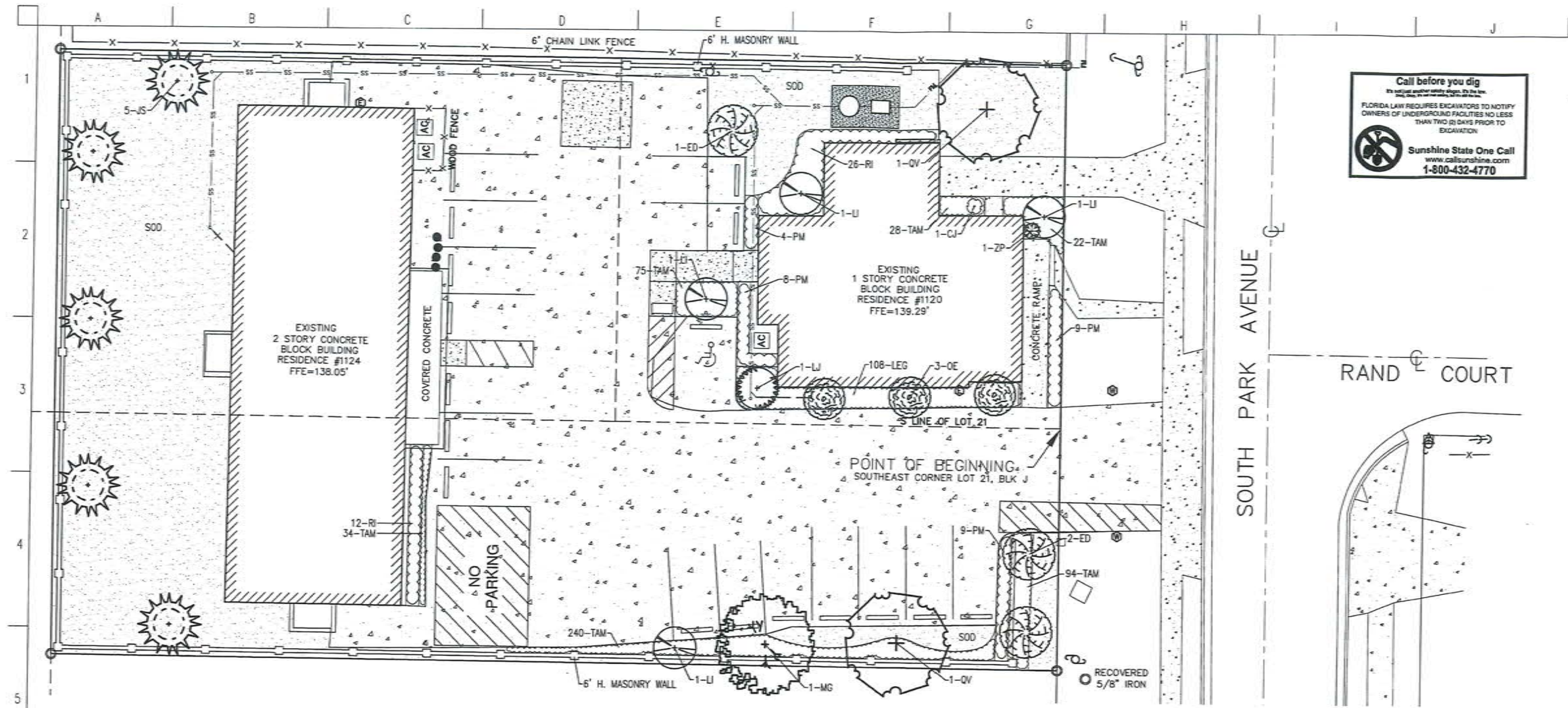
1124 Park Avenue
Apopka
Florida

Fire Sprinkler Site Plan

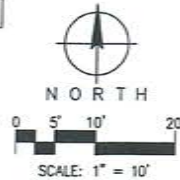
NO.	DATE	REVISION DESCRIPTION	BY	APPROVALS
0	6-13-16	APPROVALS	R.B.	

CONTRACT #
DRAWN : R.B.
CHECKED : F.C.
DATE : 6-13-16
TOTAL HEADS : 90
SCALE : AS NOTED

FP-1
SHEET 1 OF 2

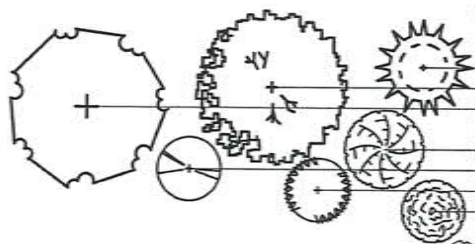


Call before you dig
 FLORIDA LAW REQUIRES EXCAVATORS TO NOTIFY OWNERS OF UNDERGROUND FACILITIES NO LESS THAN TWO (2) DAYS PRIOR TO EXCAVATION.
 Sunshine State One Call
 www.callsunshine.com
 1-800-432-4770



SOUTH PARK AVENUE

RAND COURT



PLANT LIST

KEY	TOTAL	BOTANICAL NAME	COMMON NAME	SIZE, HEIGHT, WIDTH	WATER ZONE	FLORIDA
JS	5	JUNIPERUS SILICCOLA	SOUTHERN RED CEDAR	3" CAL. 10'-12" H.	LOW	NATIVE
MG	1	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	3" CAL. 10'-12" H.	MEDIUM	NATIVE
QV	2	QUERUS VIRGINIANA	LIVE OAK	3" CAL. 10'-12" H.	LOW	NATIVE
ED	3	ELAEOCARPUS DECIPENS	JAPANESE BLUEBERRY	2" CAL. 8'-10" H.	LOW	
LI	4	LAGERSTROEMIA INDICA	CRAPE MYRTLE	12" H. M.T.	MEDIUM	
LJ	1	LIGUSTRUM JAPONICUM	JAPANESE PRIVET TREE	8" H. x 6" SPD. M.T.		
OE	3	OLEA EUROPAEA	EDIBLE OLIVE	2" CAL. 8'-10" H.	LOW	
CJ	1	CLEYERA JAPONICA	JAPANESE CLEYERA	24" H. 24" O.C.		
PM	30	PODOCARPUS MACROPHYLLUS	PODOCARPUS	30" H. 30" O.C.	MEDIUM	
RI	38	RHAPHOLEPIS INDICA	INDIAN HAWTHORN	15'-18" H. 30" O.C.		
ZP	1	ZAMIA PUMILA	COONTIE	30" H. 30" O.C.	LOW	
LEG	108	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LIRIOPE	1 GAL. 18" O.C.	MEDIUM	
TAM	493	TRACHELOSPERMUM ASIATICUM 'MINIMA'	DWARF CONFEDERATE JASMINE	6" POTS 12" O.C.	LOW	
SOD	AS REQ.	PASPALLUM NOTATUM	BAHIA GRASS	SOD		

NOTE: THERE ARE NO EXISTING TREES ON SITE, JUST PERIMETER.



DALE & COMPANY
 651 North Mills Avenue
 Orlando, Florida 32803
 Ph: (407) 894-1317
 Fax: (407) 894-8986
 Landscape Architecture Analysis Planning

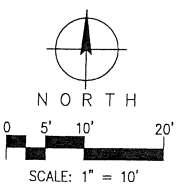
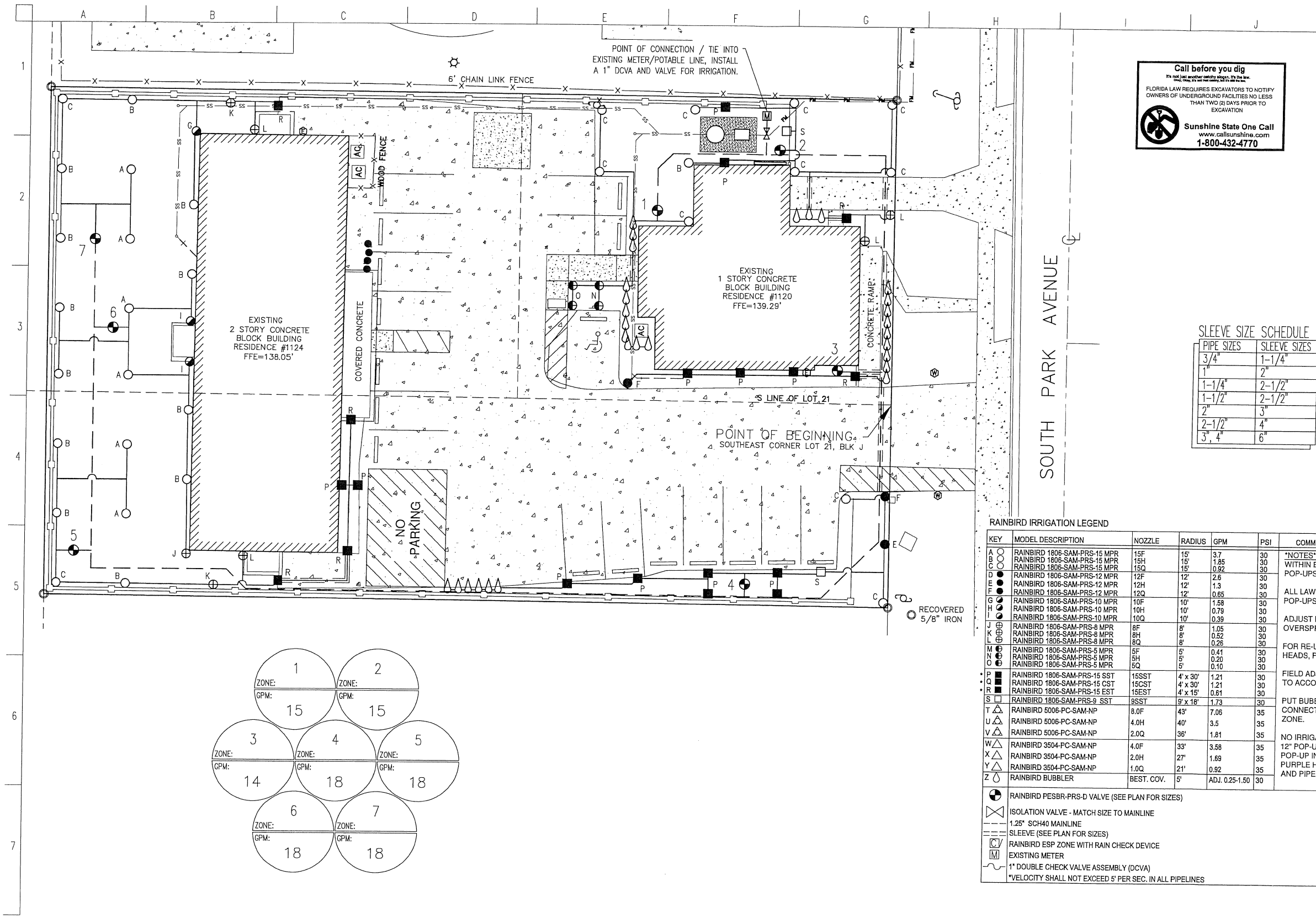
LANDSCAPE PLAN FOR
CENTRAL FLORIDA RECOVERY CENTER
 CITY OF APOPKA, FLORIDA

DESIGNED BY: RCD
 DRAWN BY: RCD
 CHECKED BY: RCD
 DATE: 12-15-16

REVISIONS
 1. [Signature]
 2. [Signature]
 3. [Signature]
 4. [Signature]
 5. [Signature]
 6. [Signature]
 7. [Signature]
 8. [Signature]
 9. [Signature]
 10. [Signature]

L-1 OF 4



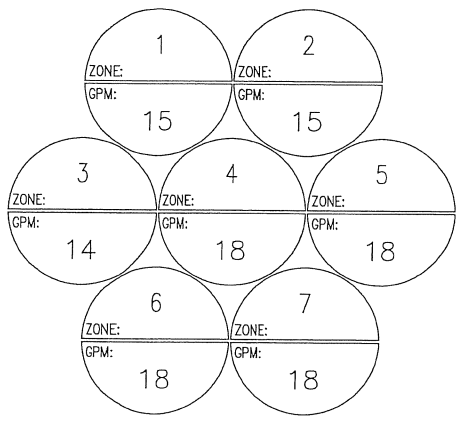


Call before you dig
 It's not just another utility agency. It's the law.
 FLORIDA LAW REQUIRES EXCAVATORS TO NOTIFY OWNERS OF UNDERGROUND FACILITIES NO LESS THAN TWO (2) DAYS PRIOR TO EXCAVATION.

Sunshine State One Call
 www.callsunshine.com
 1-800-432-4770








SLEEVE SIZE SCHEDULE

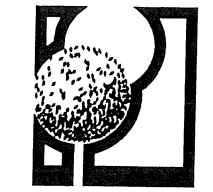
PIPE SIZES	SLEEVE SIZES
3/4"	1-1/4"
1"	2"
1-1/4"	2-1/2"
1-1/2"	2-1/2"
2"	3"
2-1/2"	4"
3", 4"	6"



RAINBIRD IRRIGATION LEGEND

KEY	MODEL DESCRIPTION	NOZZLE	RADIUS	GPM	PSI	COMMENTS
A	RAINBIRD 1806-SAM-PRS-15 MPR	15F	15'	3.7	30	*NOTES* WITHIN BEDS SHALL BE 12" POP-UPS.
B	RAINBIRD 1806-SAM-PRS-15 MPR	15H	15'	1.85	30	
C	RAINBIRD 1806-SAM-PRS-15 MPR	15Q	15'	0.92	30	
D	RAINBIRD 1806-SAM-PRS-12 MPR	12F	12'	2.6	30	ALL LAWN AREAS SHALL BE 6" POP-UPS.
E	RAINBIRD 1806-SAM-PRS-12 MPR	12H	12'	1.3	30	
F	RAINBIRD 1806-SAM-PRS-12 MPR	12Q	12'	0.65	30	
G	RAINBIRD 1806-SAM-PRS-10 MPR	10F	10'	1.58	30	ADJUST HEADS TO AVOID OVERSPRAY.
H	RAINBIRD 1806-SAM-PRS-10 MPR	10H	10'	0.79	30	
I	RAINBIRD 1806-SAM-PRS-10 MPR	10Q	10'	0.39	30	
J	RAINBIRD 1806-SAM-PRS-8 MPR	8F	8'	1.05	30	FOR RE-USE WATER USE PURPLE HEADS, PIPES, & VALVES ONLY.
K	RAINBIRD 1806-SAM-PRS-8 MPR	8H	8'	0.52	30	
L	RAINBIRD 1806-SAM-PRS-8 MPR	8Q	8'	0.26	30	
M	RAINBIRD 1806-SAM-PRS-5 MPR	5F	5'	0.41	30	FIELD ADJUST IRRIGATION PLAN TO ACCOMMODATE SITE CHANGES.
N	RAINBIRD 1806-SAM-PRS-5 MPR	5H	5'	0.20	30	
O	RAINBIRD 1806-SAM-PRS-5 MPR	5Q	5'	0.10	30	
P	RAINBIRD 1806-SAM-PRS-15 SST	15SST	4' x 30'	1.21	30	PUT BUBBLERS ON ALL TREES, CONNECTED TO THE ADJACENT ZONE.
Q	RAINBIRD 1806-SAM-PRS-15 CST	15CST	4' x 30'	1.21	30	
R	RAINBIRD 1806-SAM-PRS-15 EST	15EST	4' x 15'	0.61	30	
S	RAINBIRD 1806-SAM-PRS-9 SST	9SST	9' x 18'	1.73	30	NO IRRIGATION RISERS ALLOWED / 12" POP-UP ONLY IN BEDS. 6" POP-UP IN SOD ALL HEADS WILL BE PURPLE HEADS, VALUES COVERS AND PIPE FOR IRRIGATION.
T	RAINBIRD 5006-PC-SAM-NP	8.0F	43'	7.06	35	
U	RAINBIRD 5006-PC-SAM-NP	4.0H	40'	3.5	35	
V	RAINBIRD 5006-PC-SAM-NP	2.0Q	36'	1.81	35	
W	RAINBIRD 3504-PC-SAM-NP	4.0F	33'	3.58	35	
X	RAINBIRD 3504-PC-SAM-NP	2.0H	27'	1.69	35	
Y	RAINBIRD 3504-PC-SAM-NP	1.0Q	21'	0.82	35	
Z	RAINBIRD BUBBLER	BEST. COV.	5'	ADJ. 0.25-1.50	30	

 RAINBIRD PEBBR-PRS-D VALVE (SEE PLAN FOR SIZES)
 ISOLATION VALVE - MATCH SIZE TO MAINLINE
 1.25" SCH40 MAINLINE
 SLEEVE (SEE PLAN FOR SIZES)
 RAINBIRD ESP ZONE WITH RAIN CHECK DEVICE
 EXISTING METER
 1" DOUBLE CHECK VALVE ASSEMBLY (DCVA)
 *VELOCITY SHALL NOT EXCEED 5' PER SEC. IN ALL PIPELINES


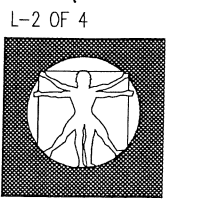


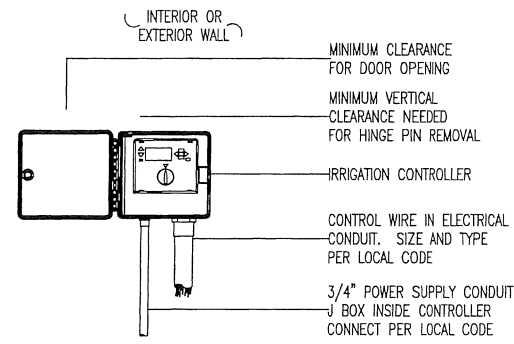
DALE & COMPANY
 651 North Mills Avenue
 Orlando, Florida 32803
 Ph: (407) 894-1317
 Fax: (407) 894-8986
 Landscape Architecture Analysis Planning

IRRIGATION PLAN FOR
CENTRAL FLORIDA RECOVERY CENTER
 FLORIDA
 CITY OF APOPKA

DESIGNED BY: RCD
 DRAWN BY: RSH
 CHECKED BY: RCD
 DATE: 12-15-16

REVISIONS
 1.
 2.
 3.
 4.
 5.
 6.

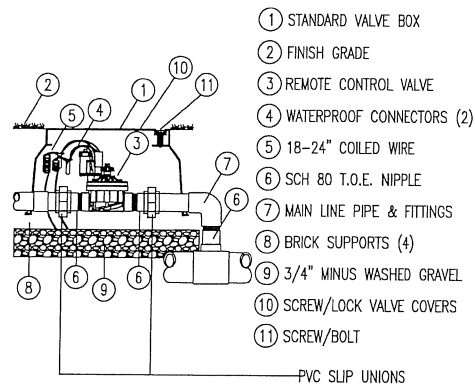





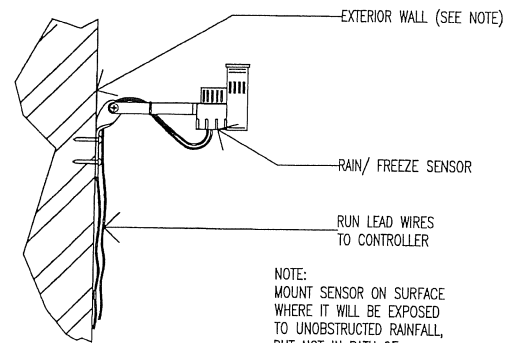
MOUNT CONTROLLER WITH LCD SCREEN AT EYE LEVEL. CONTROLLER SHALL BE HARD-WIRED TO GROUNDED 110 or 220 VAC SOURCE.

IRRIGATION CONTROLLER

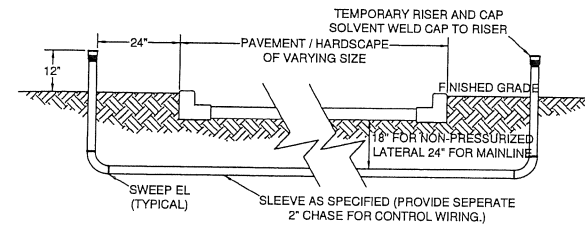
*IF THE PLAN SPECIFIES THE USE OF A TWO WIRE CONTROLLER, OR IF ONE WILL BE USED, PLEASE SEE THE ADDITIONAL DETAILS AND SPECIFICATIONS FOR IT LOCATED ON A SEPARATE SHEET. IF THE SHEET WAS NOT INCLUDED WITH THIS SET OF PLANS PLEASE CONTACT DALE AND COMPANY FOR A COPY.



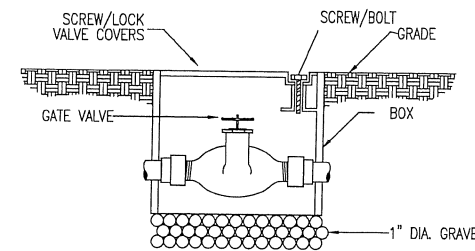
REMOTE CONTROL VALVE



RAIN/ FREEZE SENSOR

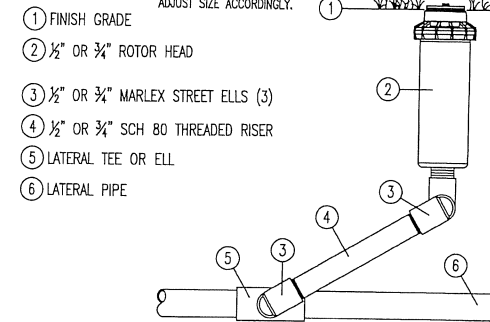


SLEEVE INSTALLATION

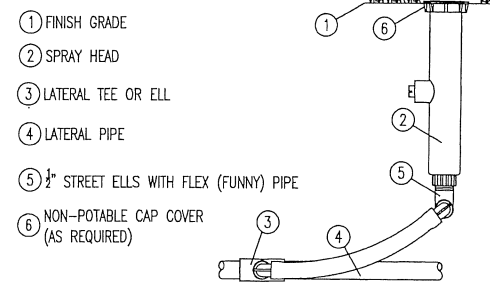


GATE VALVE

*WHEN USING LARGER GPM NOZZLES, BEWARE OF HIGH FRICTION LOSS IN SWING JOINTS. ADJUST SIZE ACCORDINGLY.



ROTOR HEAD



SPRAY HEAD

SECTION 02810 IRRIGATION SYSTEMS

PART ONE - GENERAL

1.0 SUMMARY

A. All portions of Division I - General Requirements are included with this section.
B. Furnish all transportation, materials, labor, equipment, and services to complete all work shown on the drawings and as specified.

1.1 RELATED SECTIONS: section 02900 landscape planting

1.2 TOLERANCE

A. Install sprinkler heads where indicated by symbol.
B. Drawings are schematic. Adjust pipe and locations to conform to site conditions and to avoid obstructions. Conceal components behind walls of shrubbery where possible. Verify questionable locations before installation.

1.3 SUBMITTAL

A. Submit two bound folders containing:
1. Written operating instructions for all components.
2. Complete parts list and manufacturer's data.
3. Copy of wall completion report.
4. Written maintenance instructions.
5. Provide 2 sets as-built record drawings with the following items dimensioned to the nearest foot:
a. Sprinkler main lines
b. Water source
c. Control valves
d. Gate valve
e. Electric control wire path (red-line prints).
B. Products furnished but not installed:
1. 2 extra heads of each type and size
2. 2 extra nozzles of each type and size
3. 2 extra head wrenches for each type of head
4. 1 extra valve box with lid

1.4 COORDINATE WORK WITH OWNER AND OTHER TRADES

A. Licensed electricians will install/provide power to the controller, pump, or fountain if utilized on project.

1.5 QUALITY ASSURANCE

A. Contractor is expected to participate in preconstruction meeting with Owner and landscape architect to coordinate schedule, clarify questions, and discuss acceptable performance criteria for payment.
B. Contractor is expected to participate in contract closeout meeting with Owner and landscape architect to verify proper completion of the work, establish 'Date of Substantial Completion', and advise Owner as to system operation.

1.6 WARRANTIES

A. Contractor will be fully responsible for system operation until Date of Substantial Completion.
B. Contractor is fully responsible for all parts and workmanship for one year after Date of Substantial Completion of each specific phase or portion of the project.
C. See to the fulfillment of all manufacturer's warranties.

PART TWO - PRODUCTS

2.0 MATERIALS

Backfill shall be free from stone, trash, or other debris.

2.1 MANUFACTURED UNITS

A. Automatic electro-mechanical controller fully installed and operating.
B. Electric valve installed in valve box.
C. Valve box with lid manufactured by 'Amtek' or 'Brooks'.
D. Connection for control wires manufactured by 'Fentite' or '3M' installed as per manufacturer's directions and above grade in valve boxes.
E. Gate valves shall be brass and installed in valve box.
F. Automatic drain valves shall be installed in 1 cubic foot gravel.

2.2 COMPONENTS

A. Control wire shall be direct burial # 14, type UF. Tape to underside of main every 10 feet. Install spare ground wire + 5 extra wires.
B. Main line shall be class 200 PVC (ANSI/ASTM D2241).
C. Lateral lines shall be class 160 PVC minimum (ANSI/ASTM 02241).
D. Sleeve at all road and drive crossings shall be class 200 PVC.
E. All pipe, connectors and misc. fittings for the meter and check valve assembly will be galvanized.
F. All electrical work will conform to year construction N.E.C.

PART THREE - EXECUTION

3.0 EXAMINATION

Examine surfaces to which work will be applied and immediately notify landscape architect in writing if site is not in proper condition for Contractor to perform his duties under the terms of this contract.

3.1 PROTECTION

A. Locate, identify, and mark all known utilities in area of the work. Take reasonable care to avoid damages or hazards.
B. Damage caused by Contractor's work will be repaired to Owner's satisfaction at Contractor's expense.
C. Document any damage to work caused by other trades. Immediately bring costs to Owner's attention and quickly repair at Owner's expense, as directed.

3.2 PREPARATION

A. Surface Preparation. Stake out each run of pipes, each head, and each valve.
B. Test control wire for continuity before unreefing for installation.

3.3 INSTALLATION

A. Keep pipe interior clean and dry at all times.
B. Ensure a square cut at all joints and ream ends to a smooth finish, inside and out.
C. Lay all runs greater than 100 feet from side to side on trench bottom in serpentine pattern.
D. Support all pipe with clean, compact soil.
E. Backfill and compact to original soil.
F. Set heads plumb and flush with top of sod or mulch.
G. For lateral lines flush all debris from lines. Open valve and screw on one head at a time, starting at valve and continuing to the end. Ensure that lines are watertight.

3.4 TOLERANCES

A. Main line and drive crossings shall have 18 inches minimum cover.
B. Lateral lines shall have 12 inches minimum cover.
C. All heads shall be 4 inches minimum from walks, drives, or curbs.
D. All pop-up heads and valve boxes shall be installed with top flush with grade.
E. All heads shall be installed plumb.

3.5 FIELD TESTS

Apply 100 psi hydrostatic pressure to main lines for 120 minutes. If a leak is found, repair and retest until satisfactory.

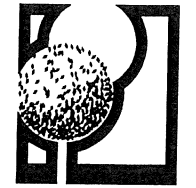
3.6 ADJUSTMENTS

A. Adjust sprinkler patterns and radius. Ensure uniform and sufficient coverage for optimum plant growth.
B. No heads shall be allowed to spray walls, fences, walks, or drives.
C. Set times to operate as appropriate for season, soil type, drainage, and plant requirements.

3.7 FIELD QUALITY CONTROL

A. Landscape architect or Owner may conduct periodic inspections to determine that the terms of this contract are fulfilled.
B. Contractor will be expected to participate with Owner in final inspection to review project for conformance to the contract. Items to be reviewed include, type, quantities, sizes, locations, dimensions, and quality of materials and workmanship.
C. The Contractor shall keep the premises free from accumulations of waste materials or rubbish caused by his employees or work at all times.

END OF SECTION



DALE & COMPANY
651 North Mills Avenue
Orlando, Florida 32803

Ph: (407) 894-1317
Fax: (407) 894-8986

Landscape Architecture Analysis Planning

IRRIGATION DETAILS & SPECIFICATIONS FOR
CENTRAL FLORIDA RECOVERY CENTER
CITY OF APOPKA FLORIDA

DESIGNED BY: RCD
DRAWN BY: RSH
CHECKED BY: RCD
DATE: 12/15/16

REVISIONS
1. [Signature]
2. [Signature]
3. [Signature]
4. [Signature]
5. [Signature]
6. [Signature]

L-4 OF 4

