

# City of Fort Lauderdale

*City Hall*  
100 North Andrews Avenue  
Fort Lauderdale, FL 33301  
[www.fortlauderdale.gov](http://www.fortlauderdale.gov)



## Meeting Minutes - APPROVED

Tuesday, November 4, 2014

1:30 PM

City Commission Conference Room

## City Commission Conference Meeting

***FORT LAUDERDALE CITY COMMISSION***

***JOHN P. "JACK" SEILER Mayor - Commissioner***  
***ROMNEY ROGERS Vice Mayor - Commissioner - District IV***  
***BRUCE G. ROBERTS Commissioner - District I***  
***DEAN J. TRANTALIS Commissioner - District II***  
***BOBBY B. DuBOSE Commissioner - District III***

***LEE R. FELDMAN, City Manager***  
***JOHN HERBST, City Auditor***  
***JONDA K. JOSEPH, City Clerk***  
***CYNTHIA A. EVERETT, City Attorney***

Meeting was called to order at 1:37 p.m. by Mayor Seiler.

## ATTENDANCE ROLL CALL

**Present:** 5 - Mayor John P. "Jack" Seiler, Vice-Mayor Romney Rogers, Commissioner Bruce G. Roberts, Commissioner Dean J. Trantalis and Commissioner Bobby B. DuBose

**Also Present:** City Manager Lee R. Feldman, City Auditor John Herbst, City Clerk Jonda K. Joseph, Assistant City Attorney Cynthia A. Everett and Sergeant At Arms Sergeant Cecil Stone

No public comments were submitted by email for this meeting.

## CITY COMMISSION REPORTS

### Events and Matters of Interest

Members of the Commission announced recent and upcoming events and matters of interest including a request by Commissioner Roberts for the dock waiver application of Steven and Karen Chess to be scheduled on December 2.

### Indoor Feeding Ordinance

Commissioner DuBose encouraged the Commission to make sure that an accurate and complete portrayal of what the City is doing is made available to the public because there are inaccuracies.

### Noise; Revolution Live and America's Backyard

Vice-Mayor Rogers raised concerns about very late noise from Esplanade Condominium residents related to Revolution Live and America's Backyard.

Commissioner Trantalis raised a global issue concerning residential being built adjacent to entertainment zoning and the clash between the two.

### Legal Counsel for Individuals Charged with Violation of Municipal Ordinances

Mayor Seiler asked the City Attorney to evaluate whether it would be more cost effective for the State Attorney and Public Defender to handle municipal ordinance prosecutions.

## CONFERENCE REPORTS

**CF-1 14-1286** PROPOSED LIEN SETTLEMENTS (SPECIAL MAGISTRATE AND CODE ENFORCEMENT BOARD CASES)

Mayor Seiler opened the floor for public comment.

Raymond Cox, no address provided, found it interesting that the Commission settles matters with some

but not others.

There was no one else wishing to speak.

There was no discussion.

**CF-2 14-1363 SOUTH SIDE SCHOOL UPDATE**

Vice-Mayor Rogers noted that some time has been saved by shortening the design period. Commissioner Trantalis questioned why it will take until June 2015 to start construction. The City Manager explained there has only been conceptual design completed. The working drawings by a licensed architect are now needed. It will then be put out to bid to secure a construction contractor.

Mayor Seiler opened the floor for public comment.

Raymond Cox, no address provided, said this project has moved at a snail's pace. He expressed concern about the money spent and projected to be spent. He felt the Commission should discuss matters in public rather than speaking to the City Manager individually.

There was no one else wishing to speak.

**OLD/NEW BUSINESS**

**BUS-1 14-1368 UPTOWN AREA - URBAN LAND INSTITUTE TECHNICAL ASSISTANCE PANEL RECOMMENDATIONS**

Carla Coleman, representing the Urban Land Institute, provided introductory remarks.

Chuck DeSanti of DeSanti & Associates reviewed the Technical Assistance Panel (TAP) report on long-term strategies for resiliency in the face of climate change (Exhibit 1 to Commission Agenda Memorandum 14-1368). TAP recommendations are attached to these minutes.

DeSanti confirmed for Commissioner Trantalis that this would be similar to City Place in West Palm Beach grown organically rather than designed.

In response to Mayor Seiler, DeSanti agreed to provide examples of areas grown organically that have done a good job with an awning and arcade approach (tree canopy).

Commissioner Roberts felt that the process through which the recommendations were developed was excellent. He emphasized the competition to retain and attract businesses is intense. There has been discussion about rezoning to facilitate the vision for the area. He believed funding may be available through the Metropolitan Planning Organization (MPO) for hub activities.

Economic Development Advisory Board member Cary Goldberg, president of Vision Uptown Inc., shared his conversation with employees of Citrix about why they are located in the Uptown area of Fort Lauderdale. Citrix would like to increase its employment base from people locally and need local training. Goldberg worked with Broward College to implement a training program for them. Secondly, Citrix wants nearby housing for their employees. He then worked with Commissioner Roberts and identified land large enough not to require assemblage. He noted the area's transportation infrastructure and options, pointing out the opportunity to create a live-work-play environment in Uptown Fort Lauderdale similar to Atlantic Station in Atlanta. He highlighted some of the businesses in Uptown

now including Alpine Jaguar that is the largest dealership in the United States. The City should do whatever it can to retain the businesses already in Uptown.

Mayor Seiler opened the floor for public comment.

Raymond Cox, no address provided, felt use of trolleys or buses in the city is difficult. He believed that youth in the black community do not trust the police. He expressed concern about the lighting at City Hall.

Charles King, 105 North Victoria Park Road, criticized the logic of creating an alternative downtown and tying it to climate change. He felt Flagler Village is what is being described in terms of housing. Employees could take a 10-minute train ride to their jobs. He did not want an alternative downtown created with taxpayer dollars that would impact other existing areas.

There was no one else wishing to speak.

The Commission was supportive of the recommendations.

**BUS-2 14-1379            PREVIEW OF NEW CITY WEBSITE**

The City Manager announced that the new website is expected to launch on November 12.

Manager of Technical Services Jay Stacy provided introductory remarks.

Public Information Specialist Shannon Vezina reviewed various pages of the site, [fortlauderdale.gov](http://fortlauderdale.gov).

Vezina explained the goal was to make the site easy to navigate and use and for it to be aesthetically pleasing. The background images can be changed seasonally to show various events. The view will automatically adjust for smartphones and tablets.

Mayor Seiler opened the floor for public comment.

Raymond Cox, no address provided, questioned the validity of the Commission photos. He questioned whether computers will be able to access all documents and asked about archiving capacity. He wanted the Mayor to respond to his questions.

There was no one else wishing to speak.

**BUS-3 14-1224            BAHIA MAR PEDESTRIAN BRIDGE DESIGN CONCEPTS**

Transportation and Mobility Director Diana Alarcon explained that staff has been working with the new owners of Bahia Mar on renovation for the overpass bridge. She highlighted information in Commission Agenda Memorandum 14-1224 including two options available.

In response to Commissioner Trantalis, the City Manager explained different materials are proposed for each option. One option allows visibility of crossing pedestrians. The other is an opaque screening. Alarcon advised that they are priced evenly. The question of durability arose wherein Alarcon said both options would have similar longevity. Both products are said to be very durable for the outdoors. The Beach Redevelopment Advisory Board (BRAB) prefers Option 1. The BRAB asked staff to look into an LED message board, however the Florida Department of Transportation did not approve that idea. The BRAB additionally asked staff to look into changing the lighting based on season. She will ask the

owners their thoughts on that because there would be an associated cost. Alarcon agreed with Vice-Mayor Rogers that opaque would be safer.

Discussion ensued about signage. The City Manager confirmed the southbound sign would read, "Welcome to Fort Lauderdale, home of the international boat show," and the northbound sign would read, "Welcome to Fort Lauderdale Beach."

The City Manager noted there are a few more steps that must be taken. It will come back to the Commission at a future meeting. There was consensus for the opaque option.

Mayor Seiler opened the floor for public comment.

In response to Fred Carlson, representing the Central Beach Alliance, and Mayor Seiler, Alarcon agreed to look into posting intercom boxes on both sides of the bridge.

Raymond Cox, no address provided, questioned the cost and criticized the City if it is expending funds for a private property improvement yet nothing is being done for the homeless.

There was no one else wishing to speak.

#### **BUS-4 14-1369 PUBLIC WORKS - INFORMATIONAL PRESENTATION**

Public Works Director Hardeep Anand provided introductory remarks and members of his staff reviewed slides relating to water system cross-connection and backflow prevention and wastewater system inflow and infiltration, which are attached to these minutes.

Mayor Seiler opened the floor for public comment.

Raymond Cox, no address provided, said the solution for holding back the tide does not seem to be a long-term fix. He discussed historical and environmental matters generally relating to functions of the Public Works Department.

There was no one else wishing to speak.

The Commission recessed and convened as the Community Redevelopment Agency Board of Commissioners at 4:03 p.m. The Commission then reconvened the conference meeting at 5:04 for the closed door session, recessing at the end of the session.

### **COMMUNITY REDEVELOPMENT AGENCY MEETING EXECUTIVE CLOSED DOOR SESSION**

**14-1418** THE CITY COMMISSION WILL MEET PRIVATELY PURSUANT TO FLORIDA STATUTE 286.011(8) CONCERNING:

1. Deborah Hannah Edlin v. Leo A. Arena and City of Fort Lauderdale - Case No. 13-61523-CIV
2. Rinda Mizelle and Darin Mizelle v. City of Fort Lauderdale - Case No. CACE 13-25419(13)

The City Commission reconvened at 9:47 p.m. to address Item BD-1 in the City Commission meeting room on the first floor of City Hall.

## **BOARDS AND COMMITTEES**

**BD-1 14-1342** COMMUNICATIONS TO CITY COMMISSION AND MINUTES  
CIRCULATED - period ending October 30, 2014

### Beach Redevelopment Advisory Board

*Motion made by Vice Chair Lee, seconded by Ms. Scher, that the Board requests a joint City Commission workshop to review Stage II of the Central Beach Master Plan Public Improvement Projects, which is 15 percent design plans. In a voice vote, the motion passed unanimously.*

Mayor Seiler noted the upcoming joint meeting on Monday, November 10.

### Education Advisory Board

*The Fort Lauderdale Education Advisory Board supports the \$800 million General Obligation Bond Proposal on the November 4th ballot. We endorse the Broward County Public Schools' plans and trust the School Board and their staff will keep their promises to our local schools and the Fort Lauderdale citizens who use them. In a voice vote, the Motion passed unanimously.*

Mayor Seiler noted that the Commission has already taken a position of support on this matter.

### Historic Preservation Board

*Motion made by Ms. Mammano, seconded by Ms. Ortman to ask the City Commission to instruct staff to move forward with the revisions to the Historic Preservation Ordinance, and for staff to inform the Board at their November meeting about what progress had been made. In a voice vote, motion passed unanimously.*

The City Manager advised that staff continues to work through issues identified in the last joint workshop. At Mayor Seiler's request, he agreed to provide a status report to the Commission at the November 18 meeting.

### Northwest Progresso-Flagler Heights Redevelopment Advisory Board

*Motion made by Member Burrows and seconded by Member Lagi, recommending that after the \$14M in funding allocations identified for the NW and Flagler Village areas in the NPF CRA Five-Year Spending Plan are satisfied, an allocation of NPF CRA funds for the NW area shall be set aside equal to the amount of debt service (approximately \$870,000) incurred for North Wave Loop, during the remaining years of loan repayment. Motion passed 9-2.*

Mayor Seiler said the matter would be discussed at the next Community Redevelopment Agency Board of Directors (CRA) meeting.

### Police and Fire Retirement

*The Board wished to inform the City Commission that they had terminated two investment managers; they had commissioned an experience study; and they had early adopted GASB 67.*

The report was received.

Sustainability Advisory Board

*Subsequent to your request to evaluate the GMO labeling resolution presented by Food and Water Watch as a citizen presentation at a Commission meeting, the SAB reviewed extensive independent research and discussed this topic in considerable depth over multiple meetings. We also heard from members of the public (add list here including the Farm Bureau). We believe the concerns of the public about GMO labeling should not be ignored. Therefore, we respectfully submit the attached resolution for your consideration and support.*

*Motion made by Mr. Cook, seconded by Ms. Whitfield, to advise the above Communication to the City Commission. In a voice vote, the motion passed 8-2.*

The City Manager advised that when the GMO issue came before the Commission previously, it was referred to the Sustainability Advisory Board and there was substantial discussion on the matter.

Mayor Seiler explained this has generally been a state or federal issue. Traditionally he has not considered getting into issues that are not City issues, as the City does not have regulating authority. Alena Alberani, chair of the Sustainability Advisory Board, explained it would be an endorsement and show the City's support for this movement. Cheryl Whitfield, Sustainability Advisory Board member, added that both the Florida Farm Bureau and Grocery Manufacturers Association made presentations to the Board. After hearing their arguments, the Board voted in favor of supporting GMO labeling should it become a statewide issue. Hallandale Beach has passed a resolution in support. Oregon is voting today on statewide GMO labeling. It is scheduled to become effective in Vermont in 2016 but is being challenged by the Grocery Manufacturers Association.

Commissioner Roberts said he favors it conceptually. It is solely about labeling.

Vice-Mayor Rogers agreed with Mayor Seiler. It would be helpful if the Board would consider issues that will be confronting the City a couple years into the future. He suggested the Board consult staff to determine what issues would be relevant and could be vetted by the Board. Alberani said the Board discussed just that point and will be planning the year in that fashion. The City has no control over GMO labeling. Mayor Seiler questioned how this issue is a sustainability issue. Alberani believed it is about educating people. There is conflicting evidence about genetically-modified foods. The Board was approached by concerned residents. The Board intends to refocus in 2015 and be more useful to the Commission. She is the new chair. Mayor Seiler spoke of the staff expertise in the field of sustainability and the wealth of ideas they could bring forward to the Board to work on. He was concerned about jumping into issues that are not regulated by the City.

Commissioner Trantalis disagreed. He felt that Commission actions impact what occurs at other levels of government. Local resolutions help the legislature gauge public opinion. Although he agreed that there are many topics that could be worked on, genetically-modified food is a hot topic now. Commissioner Roberts pointed out that the Commission asked the Board to study this.

Alberani noted that the Board hopes to bring forward issues that are may not currently be in the Commission's sphere as well as help with issues at hand. Plastic bags and Styrofoam are similar

examples. There is environmental sustainability but also a holistic or broader approach where people, planet and the economy are tied together.

In response to Mayor Seiler, Assistant Public Works Director Nancy Gassman described the original purpose of the Board including its history of changing from a task force providing guidance on the Energy Efficiency and Conservation Block Grant, to a board. The Board probably has a stronger foothold in the sustainability side but certainly other aspects such as reducing the carbon footprint and saving the City money are part of its mission.

There was consensus agreement to schedule the item for the December 17, 2014 regular meeting. Gassman confirmed the Board is comfortable with the resolution language submitted in this item's backup.

*Whereas the Sustainability Advisory Board has had presentations from FPL and Florida Solar Energy Industries Association and whereas based on these presentations, the Board believes the project warrants further consideration by the Board. Be it resolved that the Sustainability Advisory Board recommends that the City not proceed with any binding agreements with FPL on the solar energy initiative pending further consideration and recommendations by the Board.*

*Motion made by Dr. Goetz, seconded by Ms. Eckels, to advise the above Communication to the City Commission. In a voice vote, the motion passed unanimously.*

The City Manager said staff is working through this issue with Florida Power & Light (FPL) to locate a solar array at George English Park.

Alena Alberani, chair of the Sustainability Advisory Board, said the Board discussed this matter but did not officially make a motion. A communication is forthcoming. She understood that there will be EV charging stations at the solar array and it is suggested they be free for public use. The City Manager advised that staff has not yet had substantive discussions on the potential lease of air rights at George English, but this is a good issue to explore with FPL. Alberani advised that a FPL representative attended a Board meeting on this topic. The City Manager recognized this is a valid point, but staff has not yet discussed the term sheet with FPL for this project.

Mayor Seiler requested the Board research and provide a list of cities that have free charging stations.

## **BD-2 14-1343 BOARD AND COMMITTEE VACANCIES**

Please see regular meeting item R-4.

## **CITY MANAGER REPORTS**

No discussion.

There being no other business to come before the Commission, the meeting adjourned at 10:13 p.m.





# Technical Advisory Panel (TAP) Fort Lauderdale Uptown Urban Village

August 12 & 13, 2014

**ULI Southeast Florida/Caribbean**

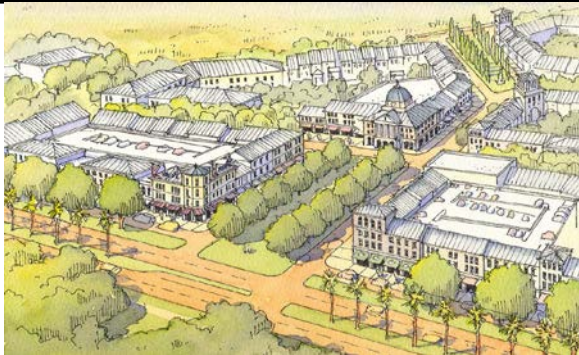
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# Today's TAP - Resiliency Theme

- Second part of Urban Land Institute/Kresge Foundation partnership with City of Fort Lauderdale to address climate resiliency strategies for two distinct neighborhoods
- First project focused on **adaptation** strategies for Riverwalk corridor in downtown area
- Uptown Urban Village work focuses on **growth** strategies in this more climate sustainable corridor

# BUILD A BETTER VILLAGE

vision



consensus



coding & design

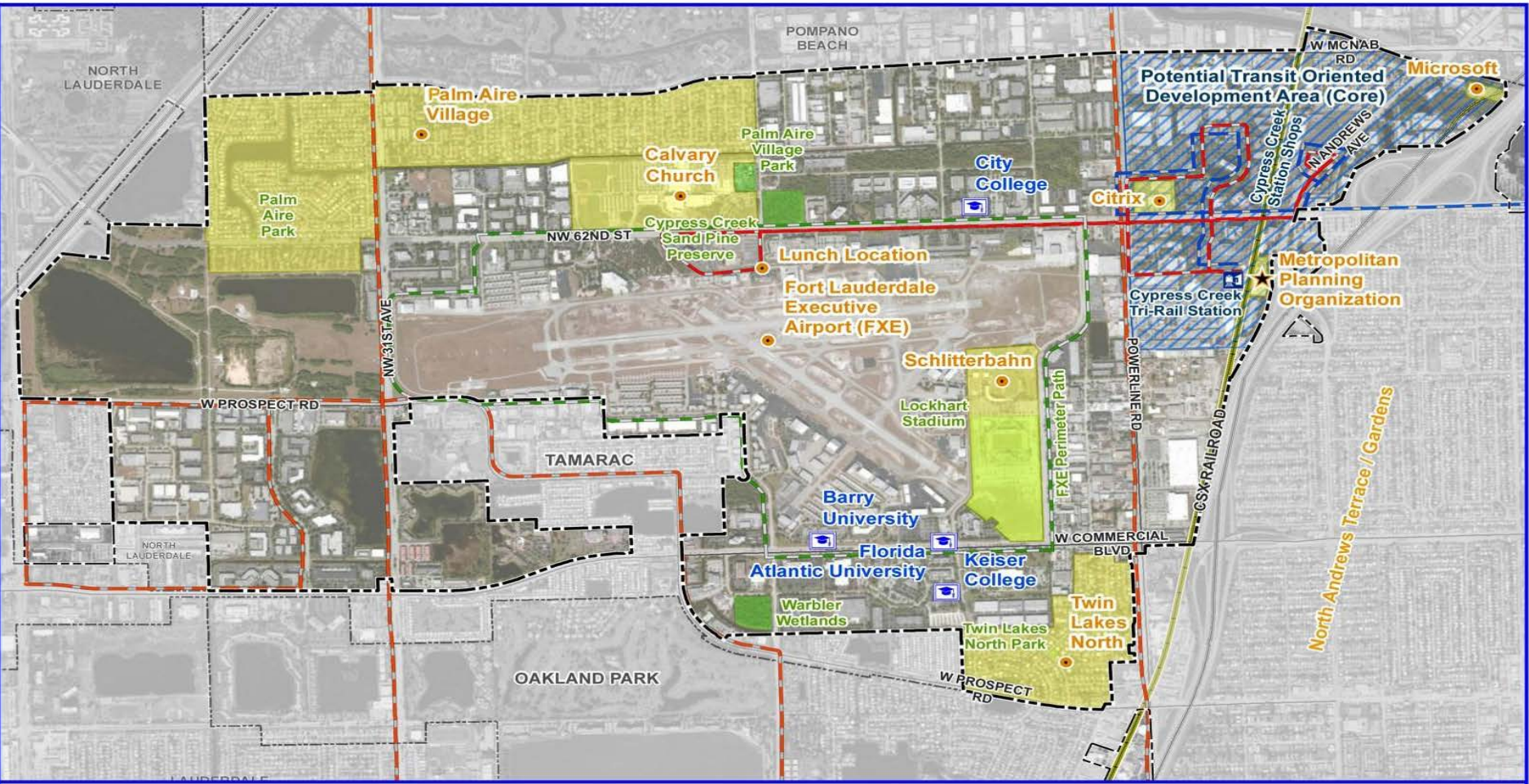


# Focus of Panel's Work

- How to transform the Uptown Urban Village into a mixed-use environment with improved multi-modal integration
- Promote residential/multifamily and neighborhood retail development along with continued job growth
- Strategies for creating more efficient and functional transportation corridors
- The TAP focused on 11 specific questions crafted by ULI and City staff

# Panelists

- **Charles DeSanti**– DeSanti & Associates & Panel Co-Chair
- **Sam Poole** – Berger Singerman & Panel Co-Chair
- **Maurice Borrows** – FDOT
- **Ana Gelabert-Sanchez, AICP** - Gelabert-Sanchez & Associates
- **Kona Gray, ASLA** – EDSA
- **Rick Hall, P.E.** - Hall Planning & Engineering
- **Larry Hymowitz** - FDOT
- **A. Brian Lomel, P.E., LEED-AP, CxA** - TLC Engineering for Architecture
- **Uri Man** - Gables Residential/Florida
- **Darren J. Morse** - Kitson & Partners, LLC
- **Suria Yaffar, AIA, LEED® AP** – Zyscovich Architects

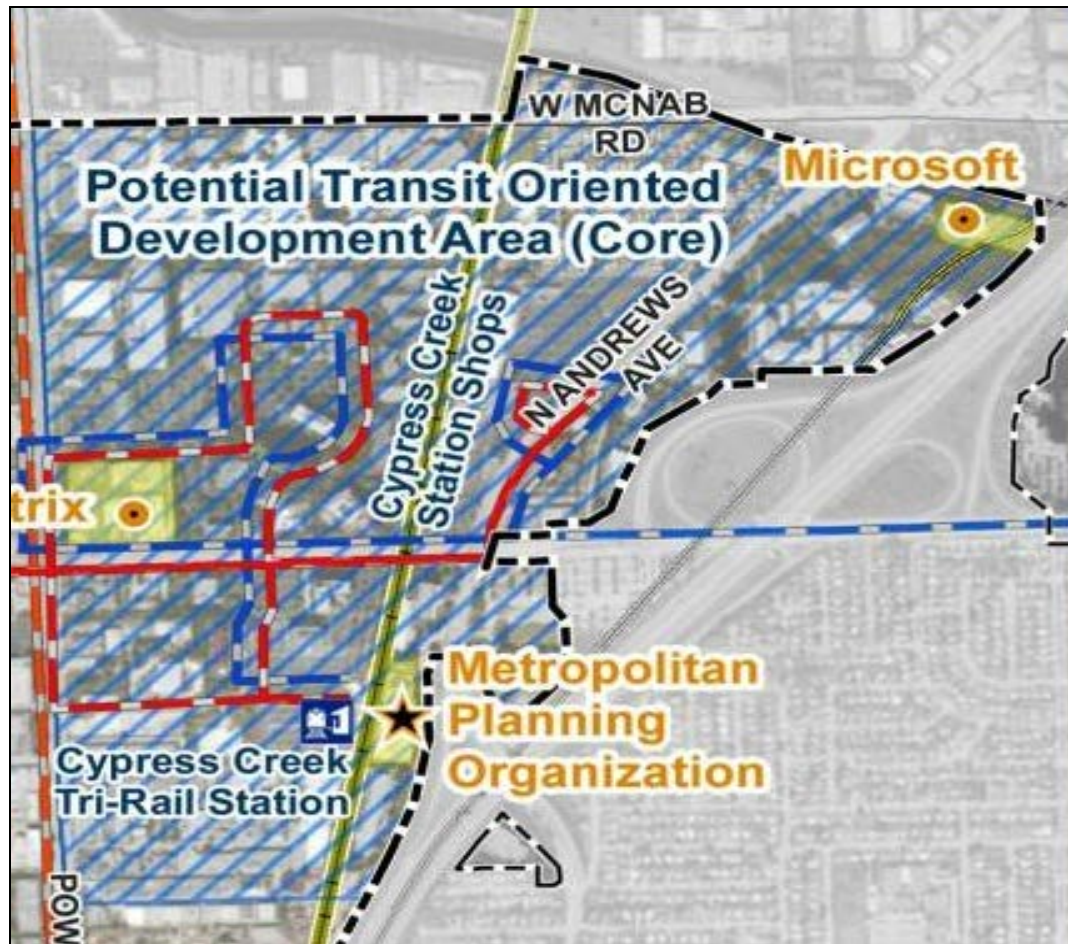


|  |                      |                    |                         |
|--|----------------------|--------------------|-------------------------|
| Uptown Urban Village Study Area                    | Destinations         | FXE Perimeter Path | Tri-Rail Stops          |
| Potential Transit Oriented Development Area (Core) | Destination Boundary | Uptown Link - Red  | Colleges / Universities |
|  |                      | Uptown Link - Blue | Park Locations          |
|  |                      | BCT Routes         |                         |

0 0.25 0.5 1 MILES  
GRAPHIC SCALE

Uptown Destinations\_4-rc\MapTAM\_UptownDestinations\_8x11.mxd - INT

# Target Area



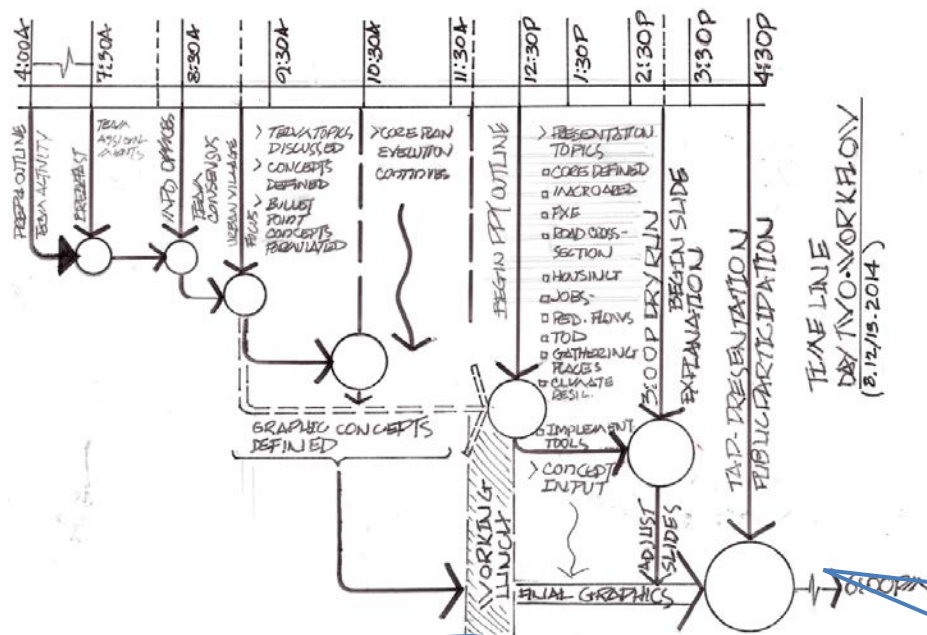
# Vision & Greenways Conceptual Plan

- Uptown of the future has been transformed into a walkable, bikeable, transit-oriented urban neighborhood composed of offices, residences, retail, hospitality, civic and educational buildings – supported by a fabric of both large and small parks and linked trail-ways including well-defined public gathering spaces
- The transformation from highway to boulevard design for several blocks of the core area informs the driver that they are entering a pedestrian-public realm.





# Day Two TAP Timeline



TAP Process Day Two – The timeline reflects the process that managed all ideas converging into a cohesive blend of form and findings.



# Land Use Recommendations

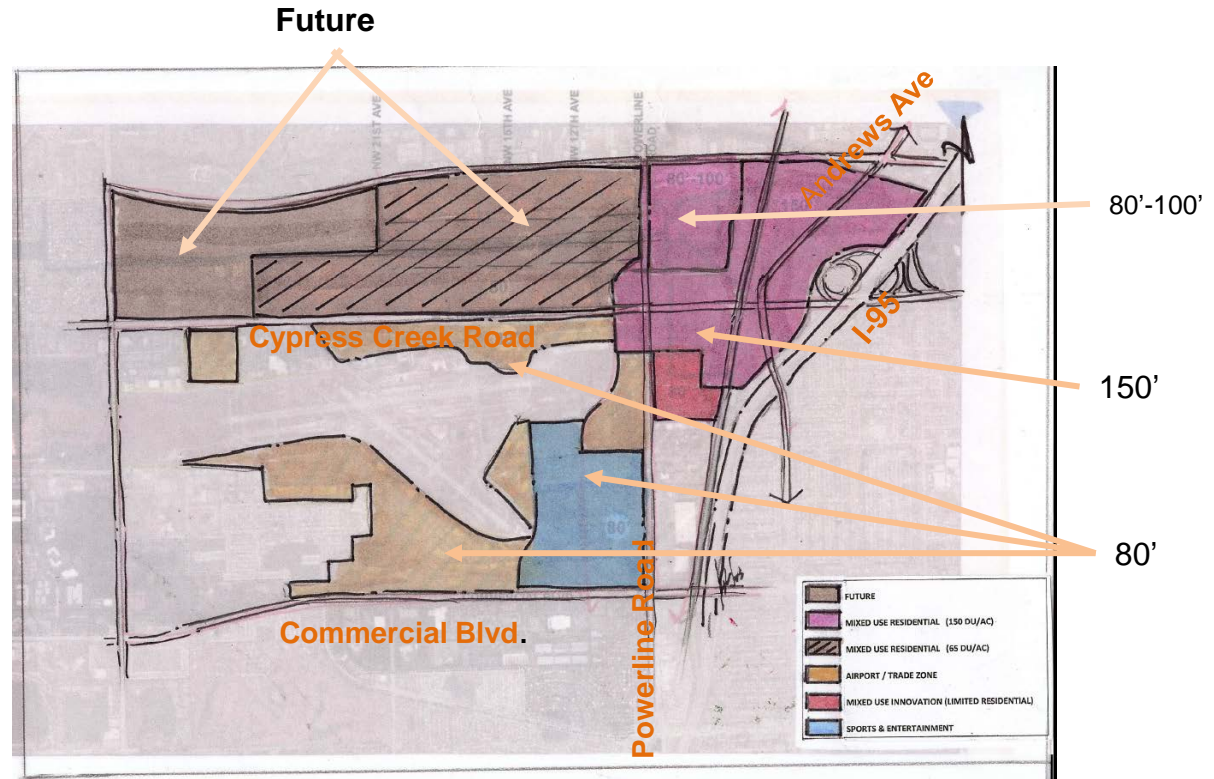
- Mixed Use movement in the Uptown Urban Village
  - Change Future Land Use to Mixed Use
  - Change ULDR to Mixed Use – Regional Activity Center
- Adopt a form based code
  - Develop a specific physical vision plan as the regulating plan for setbacks, building & parking placement, building frontage, height, etc.
- Creation of a pool of development entitlements to be allocated in the Uptown Urban Village to encourage growth

## **Immediate Funding Potential:**

- Explore matching funds/In-Kind Work from a variety of local and regional sources to fund the initial steps referenced above.

# Land Use Height & Intensity

- Heights are driven by the Federal and State airport regulations, which are administered by the FAA and local government
- Residential intensities in the Uptown area are designed to encourage an urban living environment.
- The FXE will play a major role in growth and development, as can be seen by the real estate owned and controlled by the airport.



# Land Use

- Provide for administrative approval of development applications that conform to the regulating plan.
  - Establish a clear master plan/pattern book in the regulating plan that puts the approval process at the administrative level
- Other Elements
  - No minimum residential unit size – Encourage innovation
  - No building setback from sidewalk, active windows and doors in the building frontage
  - Very flexible and clear density/height allowances
  - Identify opportunities for larger scale ground up development opportunities for larger mixed-use projects
  - Use flexibility with parking to allow small development projects to be part of the mix

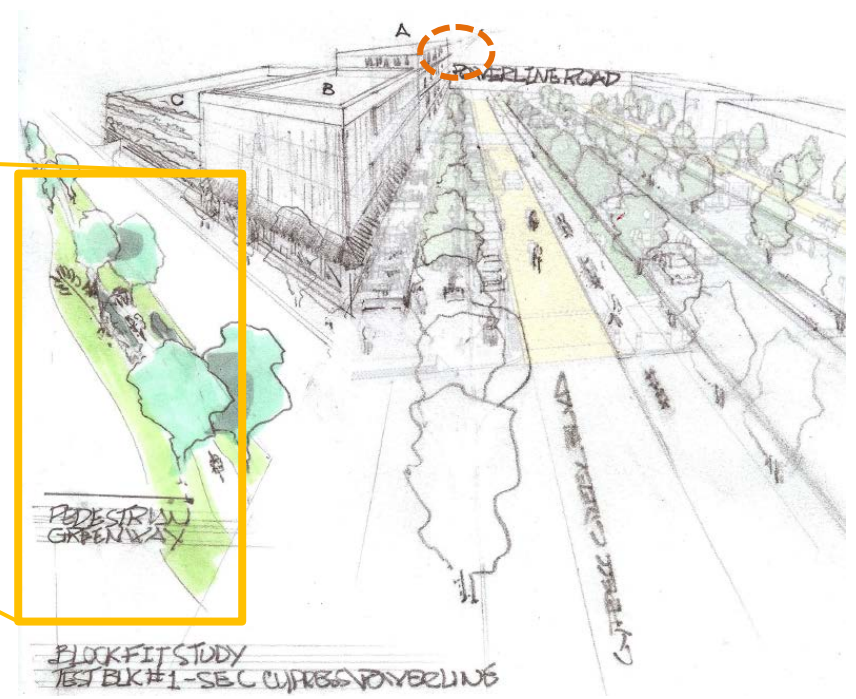
# Creating Walkability

- Making walking more friendly
  - Pedestrian linkages and corridors
  - Greenways, pathways, and linear parks
  - Pocket parks & gathering places
  - Shade, shade, and shade → Tree Canopy
  - Civic spaces/parks must be designed with active building faces overlooking and providing security to the spaces. Unused building lots do not make good, safe parks

# Greenways & Public Spaces



## Greenways & Public Spaces



Gateway Focus Area



Example of Greenway Link  
(See test block #1)

# Creating Walkability

- Making walking a reality
  - Active ground floor uses with windows and doors in building frontages
  - On-street parking is essential
  - Consistent high quality streetscapes → landscaping, lighting, signage, street furniture
  - Safety and security through building design that puts eyes & ears on public spaces
  - Create walkable block sizes with mid-block breaks and pedestrian ways for great circulation



# Traffic Calming

- Transforming Cypress Creek, Powerline and Andrews to walkable environments is a monumental task
- How do we balance the automobile and the pedestrian on this critical arterial?



Creation of the  
**Cypress Creek Multiway Boulevard**



# What if this:



Creating a true boulevard

**ULI Southeast Florida/Caribbean**

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# Became this:

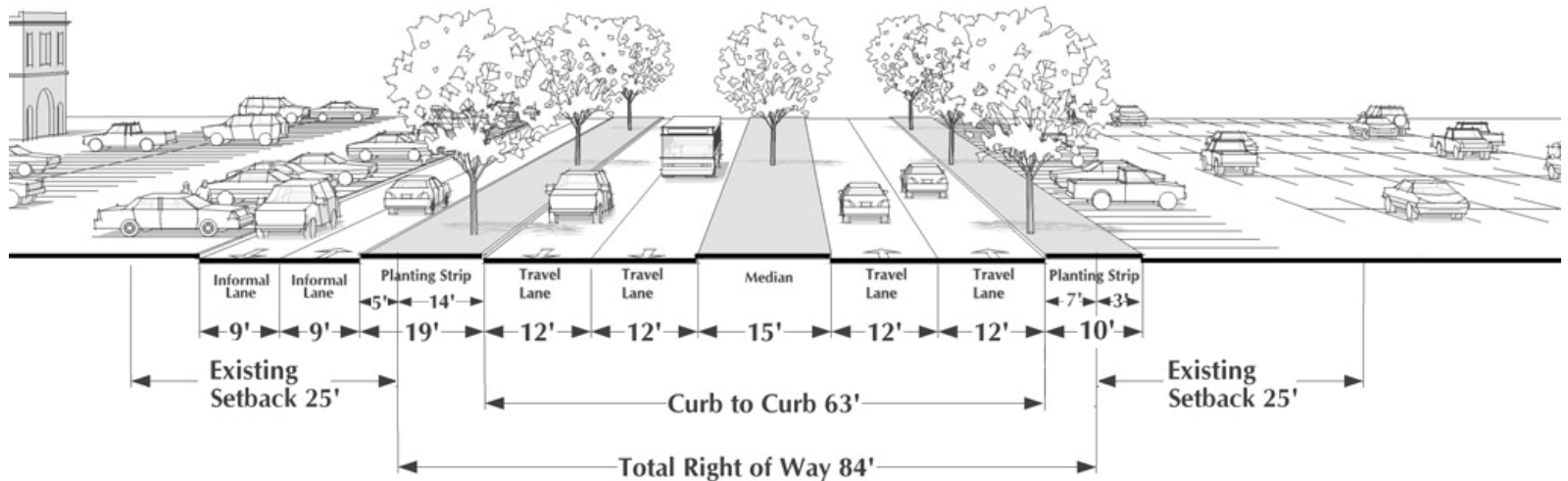


Creating a true boulevard

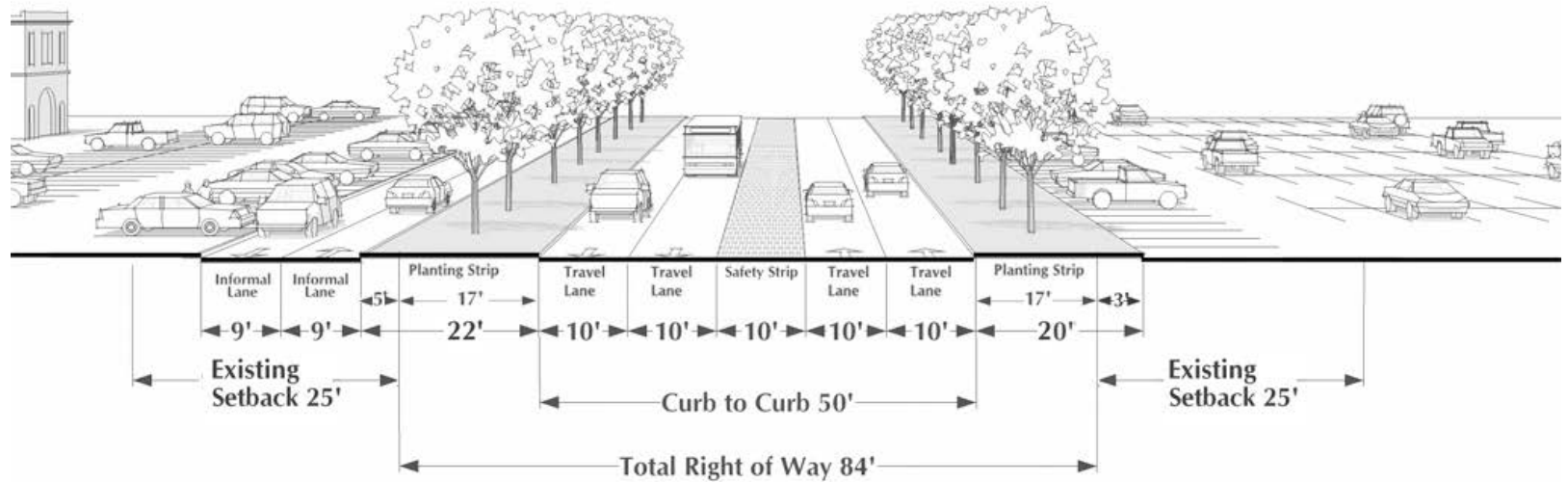
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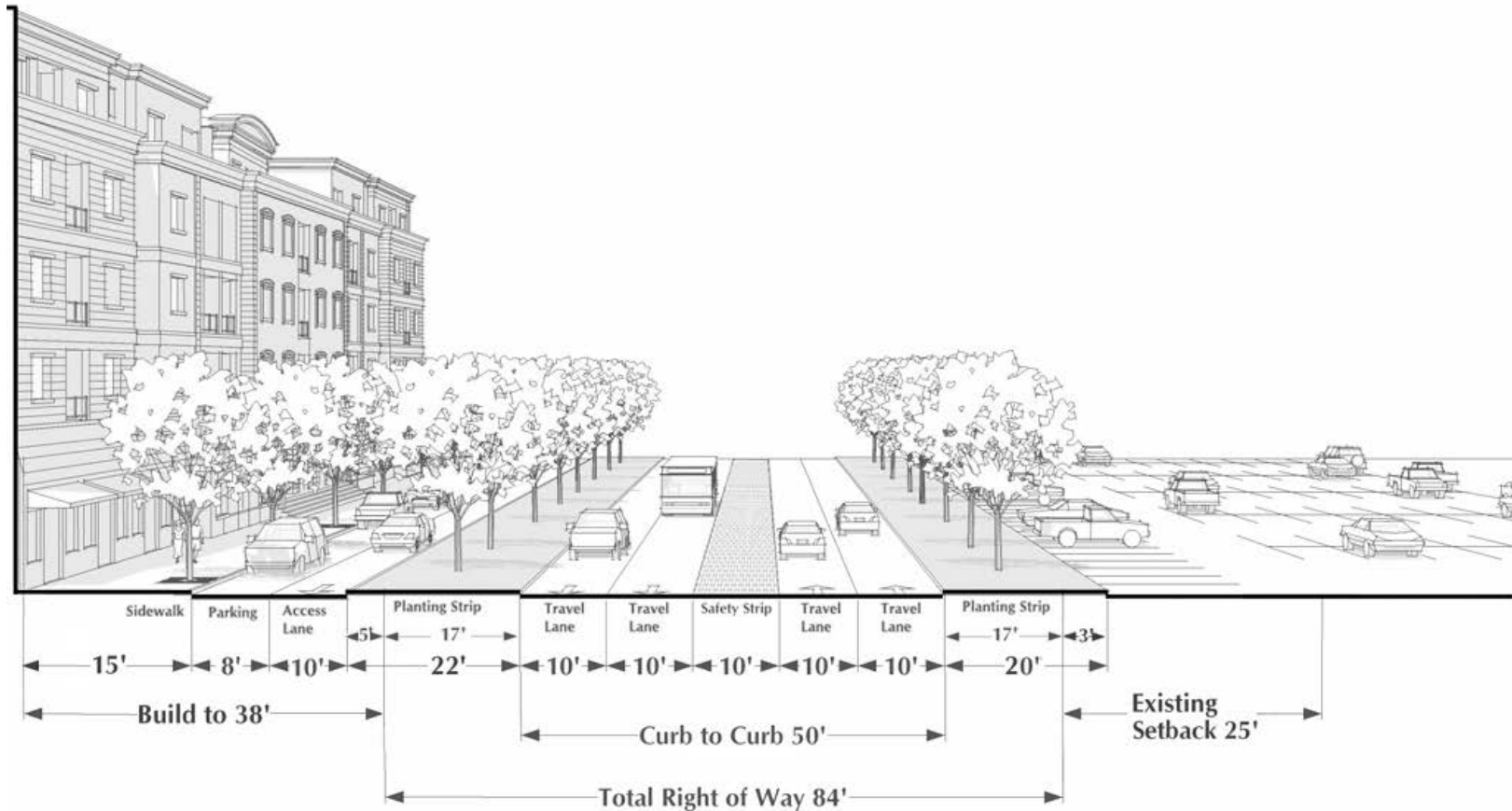
# Alternative 1 Cross-section



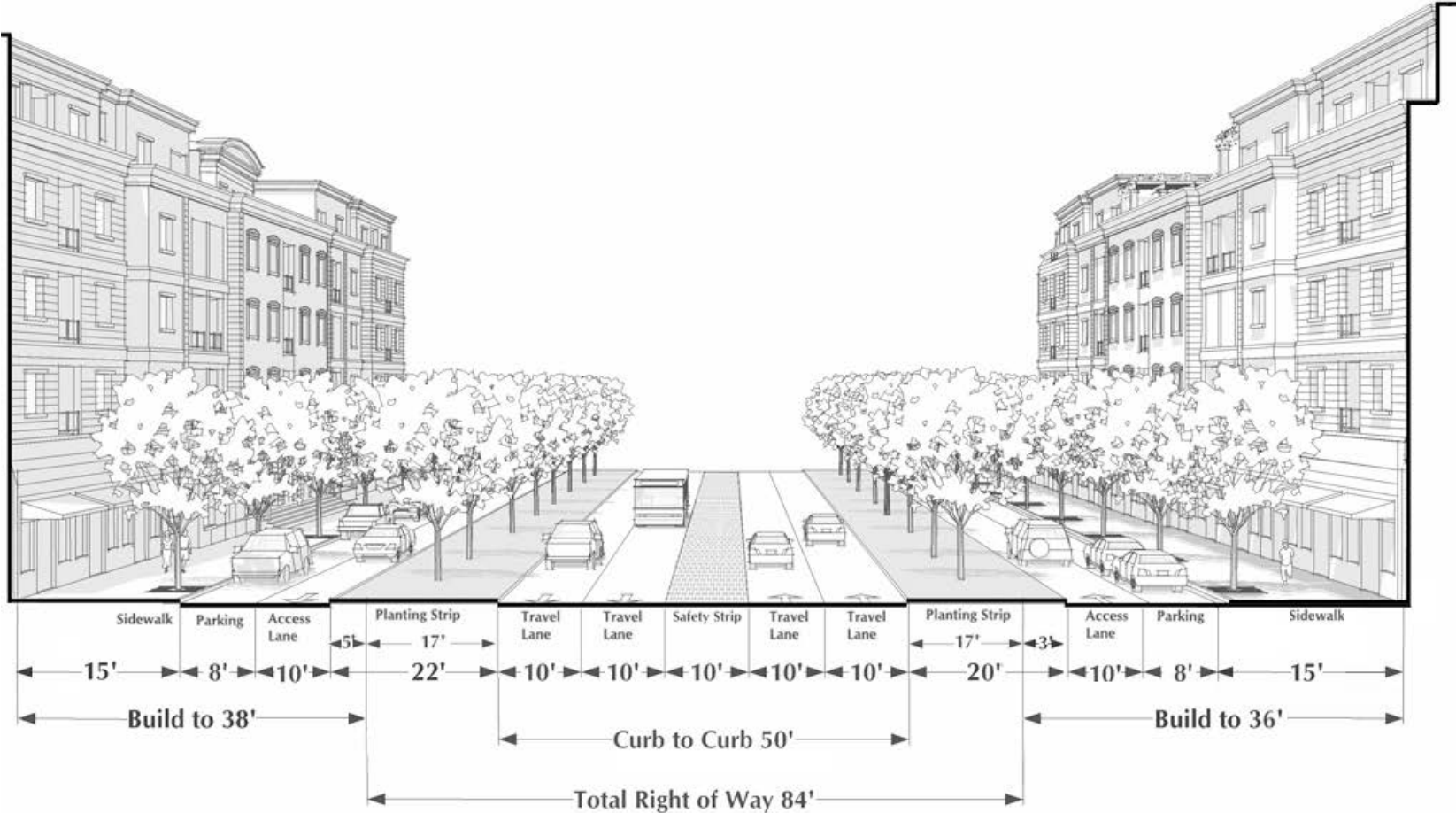
# Alternative 2 Cross-section



# Progression of Multi-way Blvd.



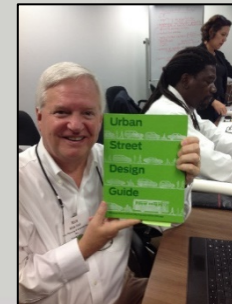
# Progression of Multi-way Blvd.



# Cypress Creek Multi-way Blvd.



*The TAP concluded that the multi-way blvd. cross section modifications to Cypress Creek Road were critical to the success of this Uptown effort.*



Multi-way boulevard

NACTO Street Design Guide

# Encouraging Development

- Land Use & Zoning that allow development plans that are consistent with the code, to go to permit.
- Private Capital Investment encouraged through grants, tax credits, tax-free bonds and Tax Increment Financing, to name a few
  - Structured Parking
  - Streetscapes
  - Traffic Calming
  - Greenways
- Public Capital Investment Through Municipal Partnerships (with land owners)/Cooperation among layers of government/Coordination among government infrastructure planning and funding to assure consistency with regulating plan and vision.
- Financial Incentives



# Encouraging Redevelopment

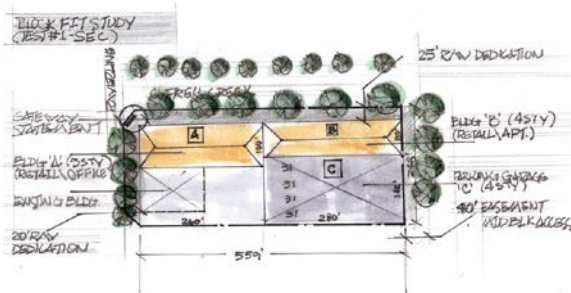
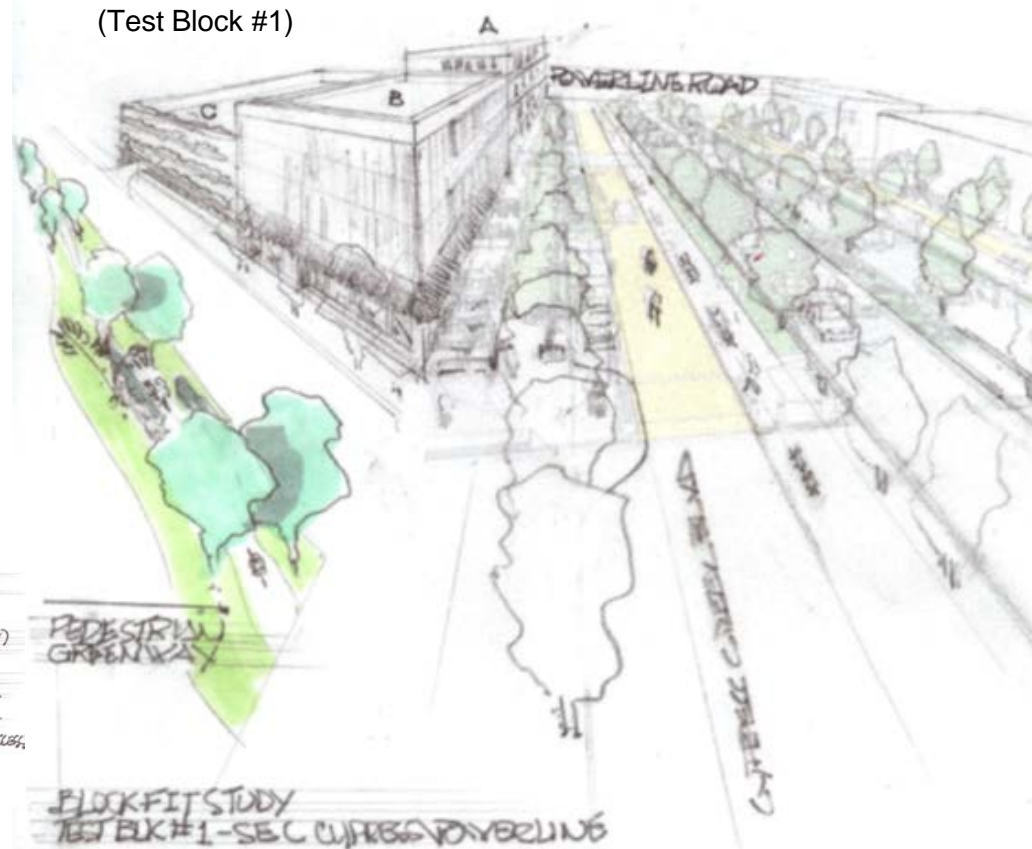
- Quad R Approach – Redevelop, Rehabilitate, Reuse, Repurpose
  - Land use/zoning that allows existing commercial buildings to repurpose their ground floor with active uses
  - Incentive programs to encourage Quad R
- Encourage Cooperation with immediate private rezoning efforts – Developers willing to jump in now

# Encouraging Redevelopment

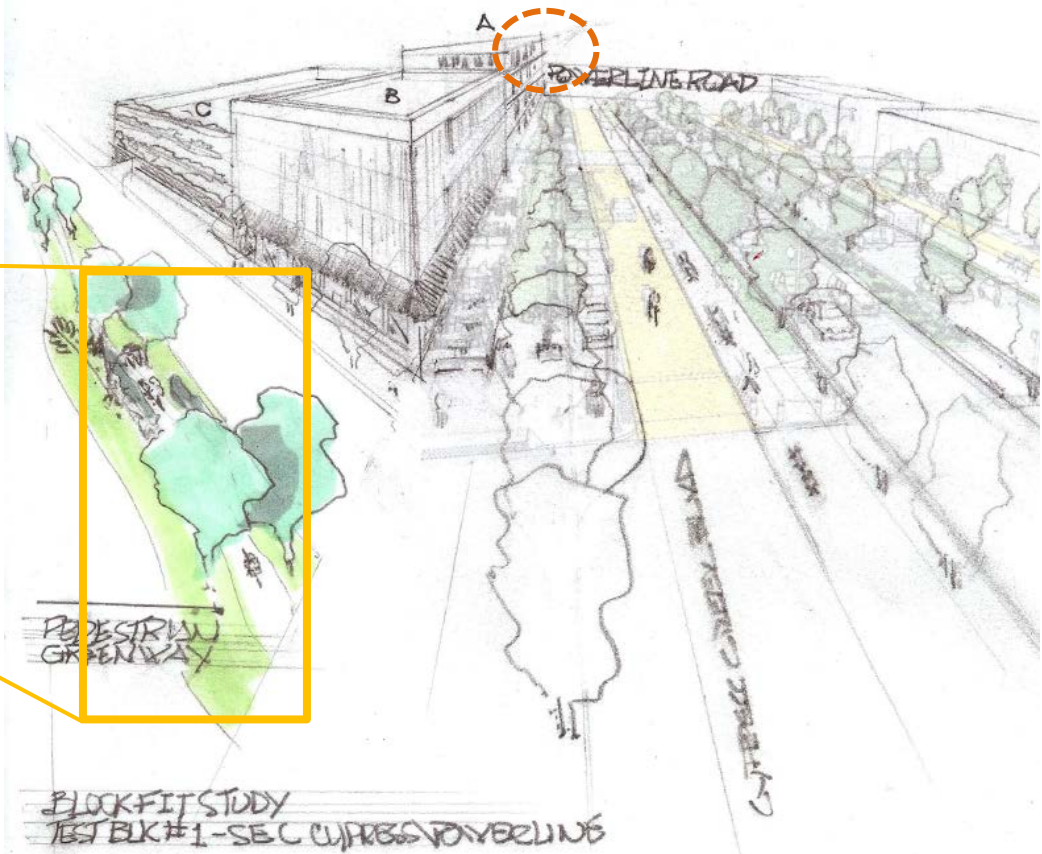
- The block fit study process helps to determine if the concept can be made real through development.
- Concepts such as short blocks incorporating greenways, as represented here, reveal that adjoining property owner cooperation and a more global 'Regulating Plan' is necessary to bring all the pieces together to create an urban village form.
- The development analyzed was designed with the back drop of the new multi-way blvd proposed for the core area of Cypress Creek Blvd.

## Block Fit Study – Perspective

(Test Block #1)



# Greenways & Public Spaces



Gateway Focus Area



Example of Greenway Link  
(See test block #1)

# Parking

- Reduced parking requirements – that allow the market flexibility with parking provisions
- Shared parking encouraged and incentivized
- Provide on-street parking to increase supply and enhance walkability
- Structured parking - How to achieve?
  - Business Improvement District
  - Master lease of parking garage spaces to secure financing and development of garages
  - PILO – Payment in Lieu Of to fund
  - Potential TIF structures
  - Private development incentives
- Liner buildings around parking structures is crucial to walkability
- Manage parking to enhance business success and walkability; revenue is important, but secondary to the success of the community

# Financial Incentives

(for enhancing walkability and reducing impacts)

- Impact Fee credits
- Building Fee credits
- Real estate tax abatements
- Expedited permitting for development applications that are consistent with Uptown regulating plan
- Private Provider permitted and encouraged

# Residential Focus

- Variety of housing types
  - Primarily rental apartment product encouraged
    - Flexibility to convert to condo if market dictates
  - Floor plans, amenities, and design attractive to young professionals
  - Compact living
  - Select nodes of high density townhome product
  - Allow retrofit of office floor plates to residential purposes
  - Work/live options

# Job Creation

- Envision Uptown, Inc. – a focused group that should play a major role in the organic growth of Uptown.
- Encourage strong collaboration with Chamber of Commerce, professional groups/organizations, etc.
- Branding initiative – hi-tech job corridor, aviation, multimodal hub
- Incentive program for new job creation in the corridor
  - Tenant improvement/retrofit assistance (financing, credits, etc.)
  - Tax abatement

# Climate Resiliency

- Southeast Florida Regional Climate Change Compact Action Plan
  - Utilize for best practices – incentivize and encourage
- Shading
  - Tree canopy (non-palm shade trees)
  - Awning and arcade strategy
- Energy
  - Central condenser water plant
  - Solar thermal panels
  - Electric vehicle charging stations



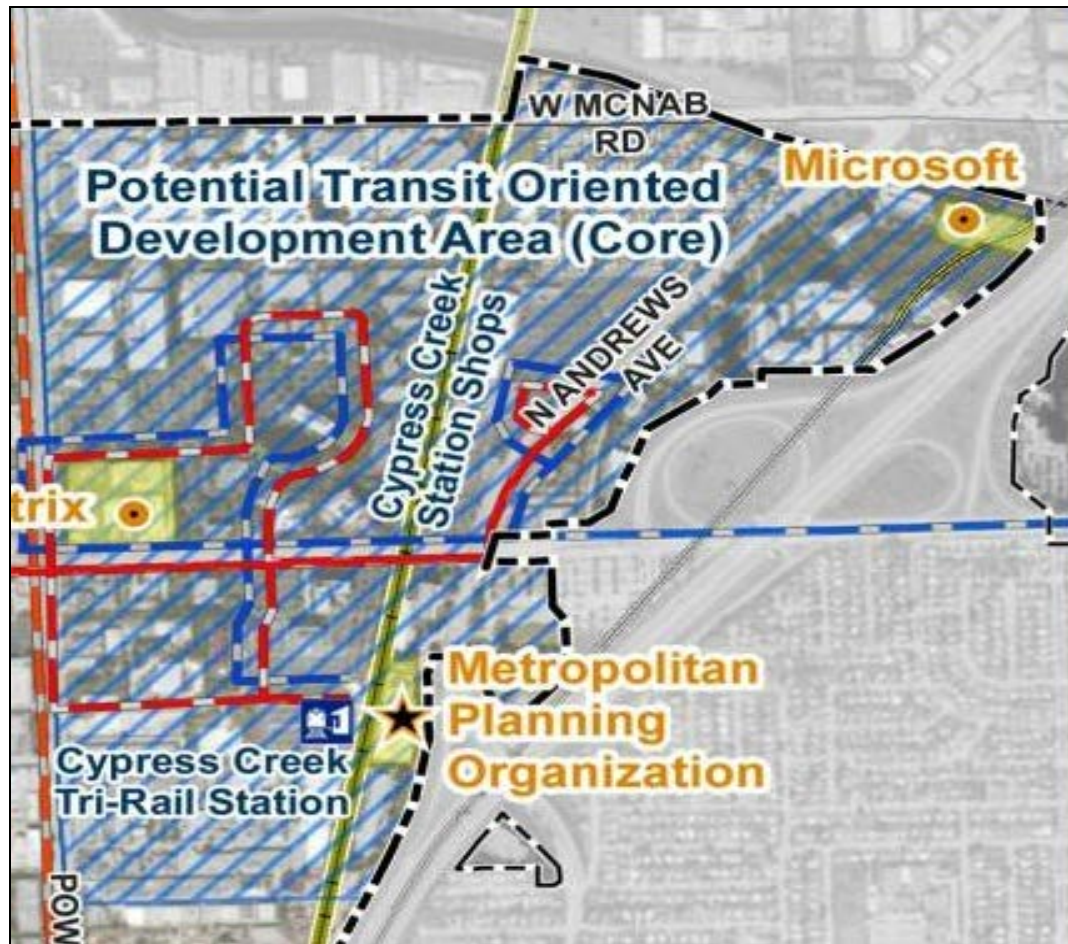
# Climate Resiliency

- Health & Wellness
  - Community gardens
  - Jogging/bike trails through eastern green space
  - Biophilic urbanism
- Stormwater as an Amenity
  - 62' of rain/year
  - Lake vistas, canal beautification, bio-swales, etc.

# Promoting FXE

- Major regional employment and economic driver
- Further embrace aviation in the region and the branding/marketing of the Uptown Village
- Airport peripheral beautification, enhancement, and identification
- Target industry for Envision Uptown
- Free trade zone promotion

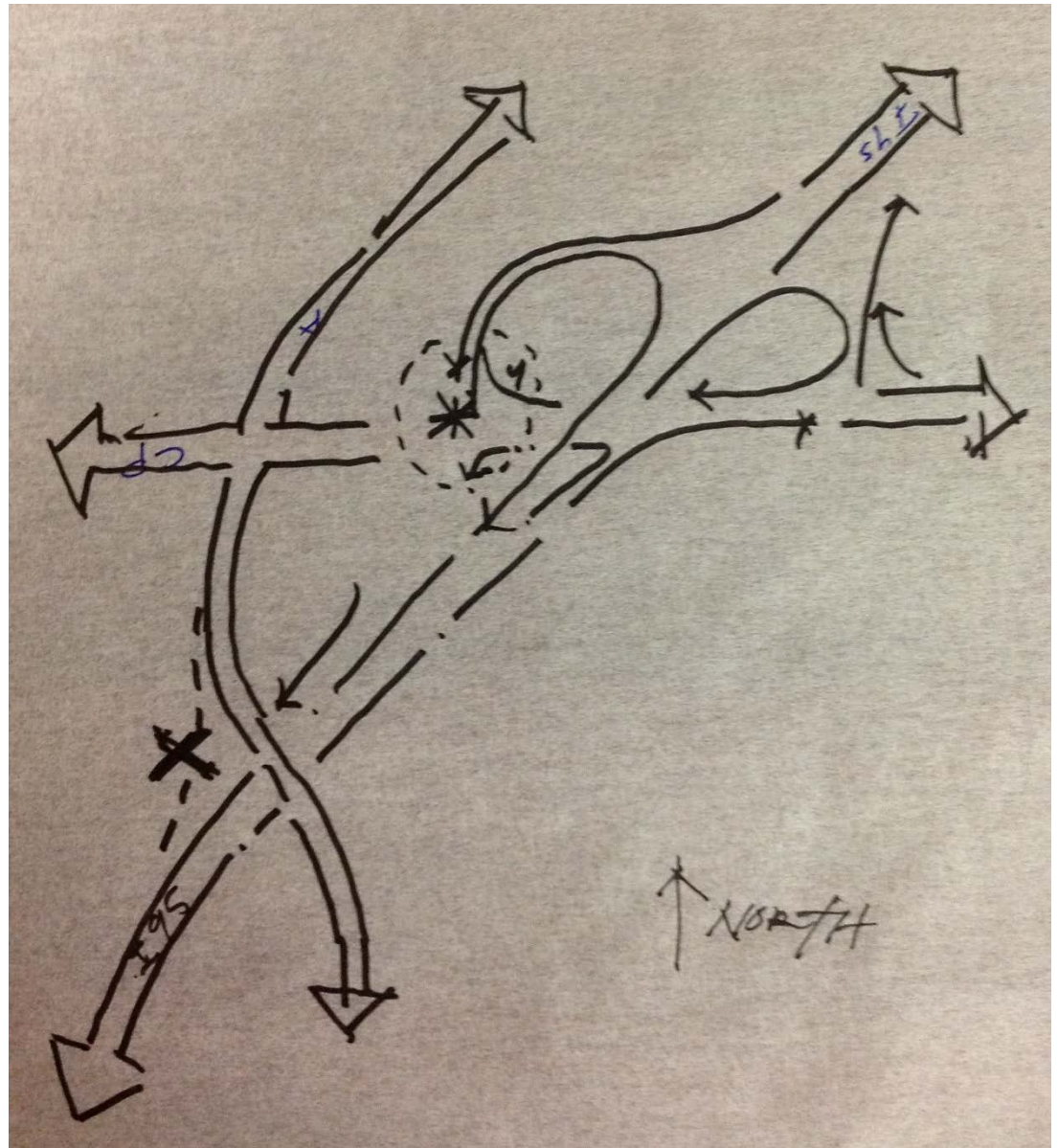
# Target Area



# Conceptual Interchange Redesign

Relocate SB I-95 entrance from Andrews to existing I-95 entrance:

- Reduces Area Isolation
- Improves viability of buildings along the Andrews
- Improves pedestrian movement across Andrews



# Seven50 Cypress Creek TOD

## Current TriRail Stop: The Suburban TOD

- Hard-to-find TriRail drop-off / Park and ride (Scary at night).
- Next to two office buildings in a sea of parking.
- Why would anyone take the “Train to nowhere”



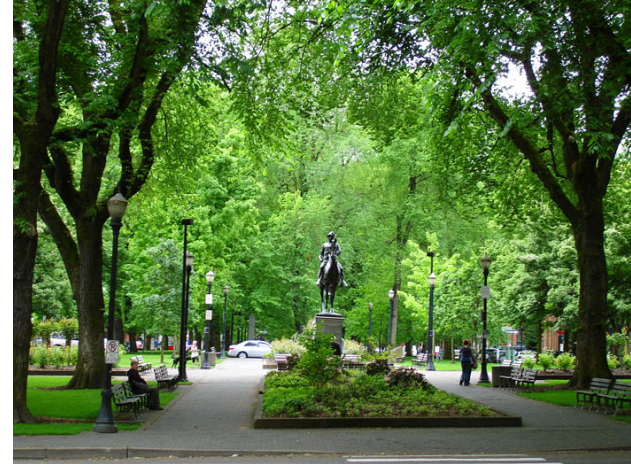
# Seven50 Cypress Creek TOD



# Conceptual Greenways Plan



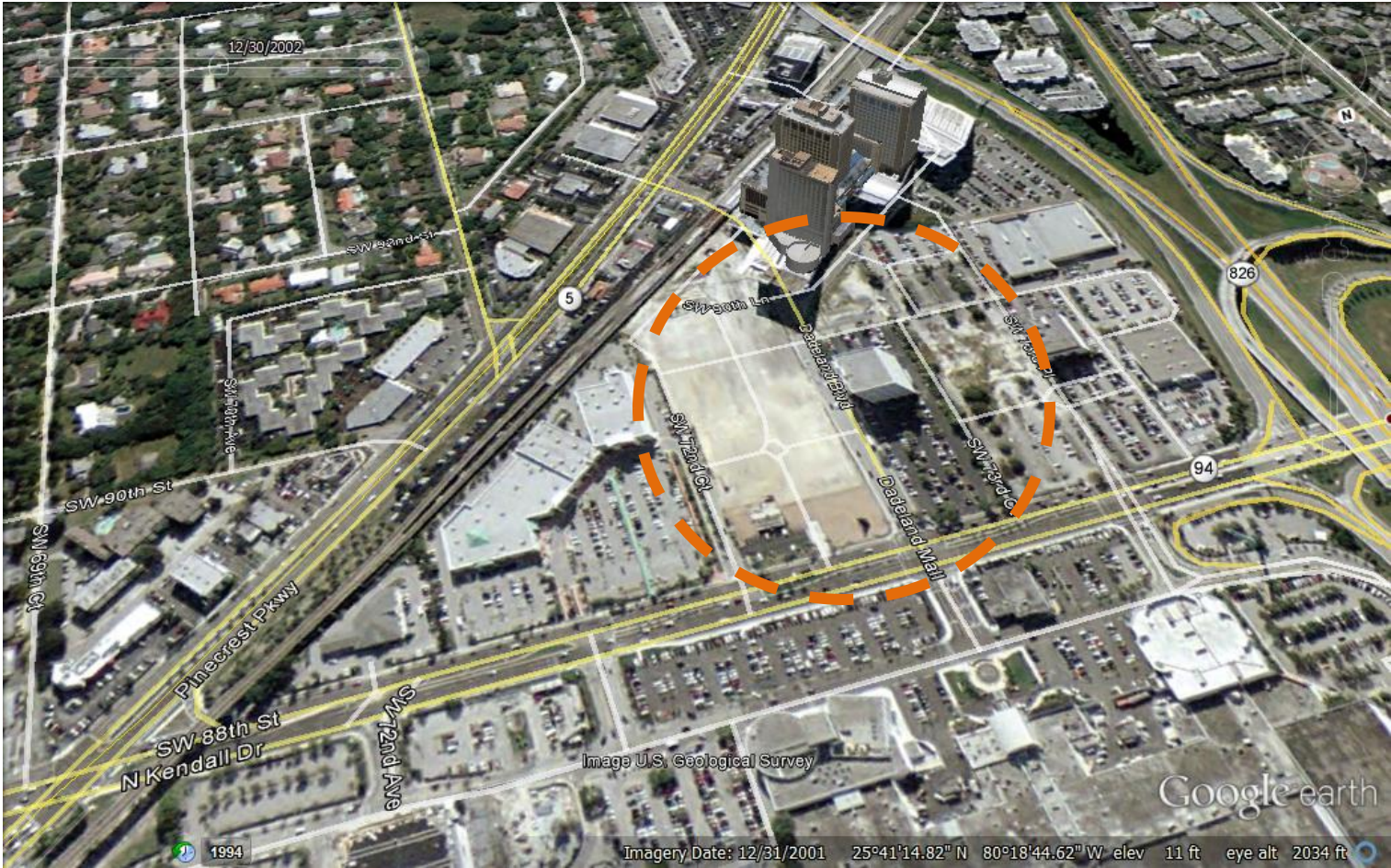
# Conceptual Plan



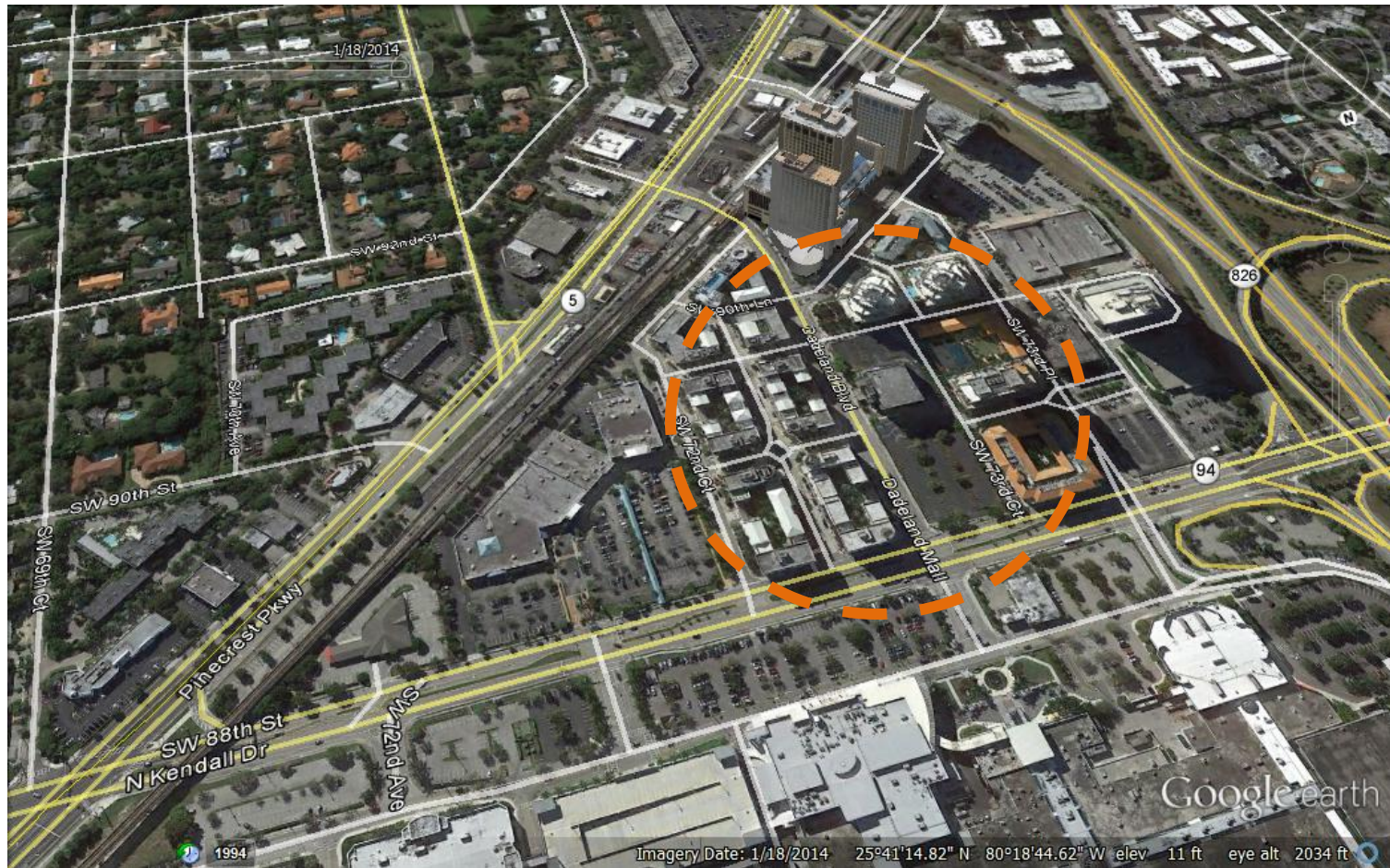
Redevelopment Areas and  
Innovation Zone



# Kendell Before



# Kendell After



# Kendell On-going



# Cypress Creek Traffic



Infill Plan



Kendell, Florida

# Immediate Recommendations

- **Mixed Use movement in the Uptown Urban Village**
  - Change Future Land Use to Mixed Use
  - Change ULDR to Mixed Use – Regional Activity Center
- **Adopt a form based code**
  - Develop a specific physical vision plan as the regulating plan for setbacks, building & parking placement, building frontage, height, etc.
- **Creation of a pool of development entitlements** to be allocated in the Uptown Urban Village to encourage growth

## **Immediate Funding Potential:**

- Explore matching funds/In-kind work from a variety of local and regional sources to fund the initial steps referenced above.

# Questions – ULI Uptown TAP



# Public Works Department



## Water System

- ✓ Cross-Connection & Backflow Prevention

## Wastewater System

- ✓ Inflow & Infiltration

# Initiatives

## **Water System:**

- Cross-Connection Prevention Program
  - Florida Administrative Code Updates
  - Compliance

## **Wastewater System:**

- Gravity Sewer Inflow & Infiltration
  - Increases wastewater treatment flow
  - Increases operation & maintenance cost



# Water System



## Cross Connection Control & Backflow Prevention



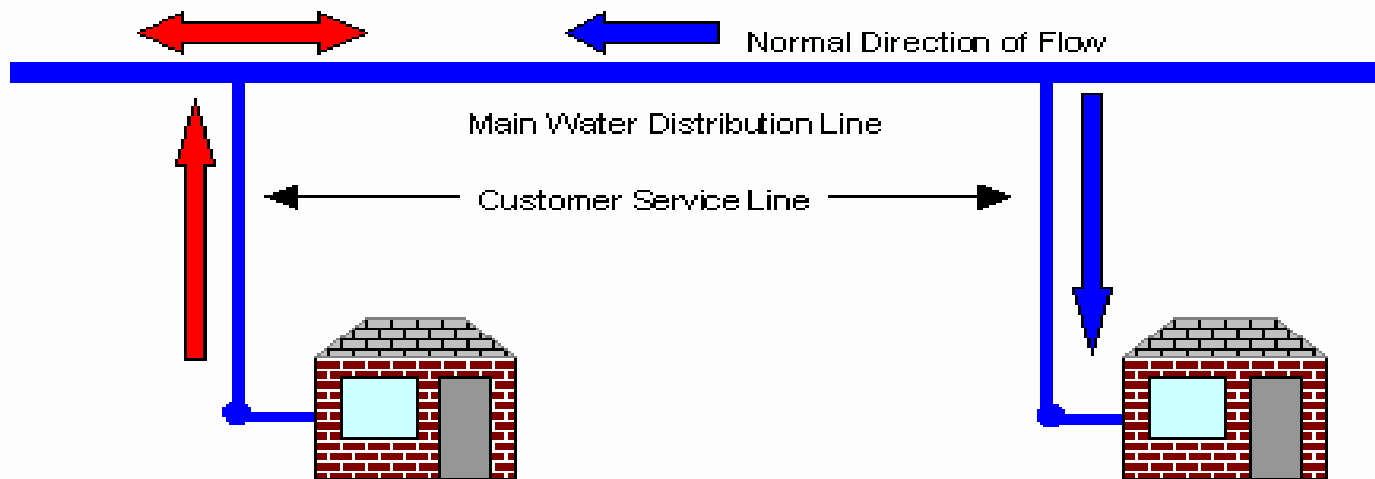
# What is a Cross-Connection?

- A connection between the drinking water system and a potential pollutant/contaminant



# What is Backflow?

- The undesirable reversal of the flow of water from its intended direction in any pipeline or plumbing system



An increase in pressure due to pumps or water heating devices cause customer system water pressure to be greater than the water pressure of the distribution system. Result is a **Backflow** of contaminants into the distribution system.

A water distribution system that has a water pressure greater than that within the customers system will prevent the **Backflow** of contaminants into the distribution system

# Cross-Connection & Backflow Prevention Program

- Water suppliers need to control cross-connections and protect the public water systems against backflow



# Cross-Connection & Backflow Prevention Program

- Water suppliers control cross-connections by using backflow prevention assemblies



# Cross-Connection & Backflow Prevention Program

## Regulatory Framework

## Program Implementation

Chapter 62-555.360 (Florida Administrative Code) **Cross-Connection Control for Public Water Systems**

Responsible Departments:

- **Sustainable Development**
- **Public Works**

Florida Building Code 2010 Plumbing Edition Section 608.1 – **Protection of Potable Water Supply**

Guidance document:

- **Cross Connection Control Plan for Backflow Prevention/Policies and Procedures Manual**

City of Fort Lauderdale Chapter 28, Article III, Division 2. – **Backflow Prevention**

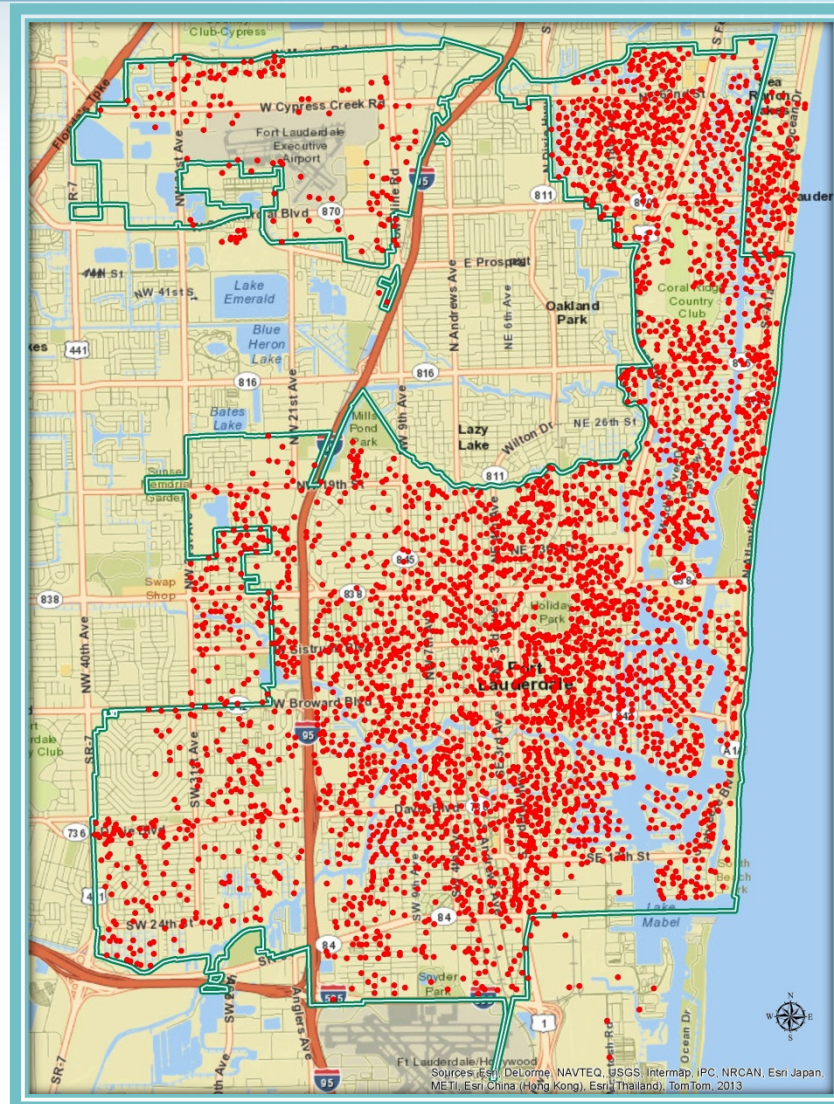
Program mechanisms:

- **Permits/Inspections**
- **Annual Re-Certifications**
- **Water Service Shut-offs**

# Cross-Connection & Backflow Prevention Program

- Prior to Florida Administrative Code 2014 updates – 2,905 service connections required backflow prevention assemblies
- After Florida Administrative Code 2014 updates – 15,326 service connections require backflow prevention assemblies

# Cross-Connection and Backflow Prevention Program Map





# Cross-Connection & Backflow Prevention Program

## Staff's Response:

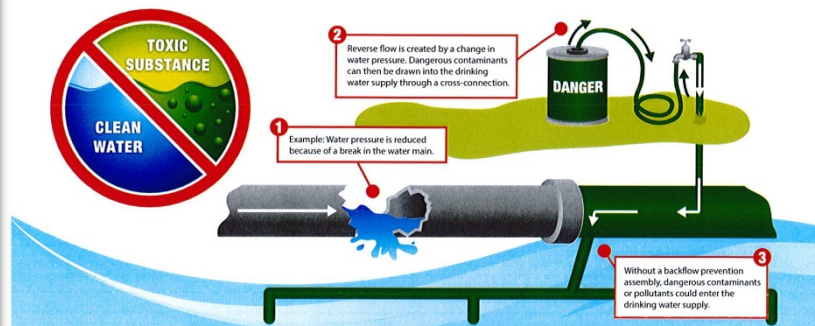
- Outreach and education campaign
  - ✓ <http://www.fortlauderdale.gov/CCCP/>
- Technological solutions being researched to manage program
- Updating the City's Backflow Prevention Ordinance



# Outreach Program

## IMPORTANT INFORMATION FROM THE CITY OF FORT LAUDERDALE

### YOUR ROLE IN PROTECTING OUR WATER SUPPLY FROM CROSS-CONNECTIONS AND BACKFLOW



The City of Fort Lauderdale has a vigilant water quality monitoring program and regularly performs sampling citywide. The City consistently meets all state and federal safety standards for providing clean and safe drinking water.

Once water flows from the water plants and enters the distribution system, our customers also play an important role in assuring that our water supply remains free of contamination.

Property owners are responsible for preventing contaminants and pollutants from entering the water distribution system. Any contaminant or pollutant sources linked to a property owner's water supply can potentially present a hazard to the integrity of the City's water supply.

The Florida Administrative Code Chapter 62 and Section 28-152 through Section 28-157 of City Code requires that the City take measures to protect their systems from cross-connections and backflow. Maintaining a strong Cross-Connection Control Plan (CCCP) is essential to safeguarding the public water supply.

Under the CCCP, the City of Fort Lauderdale is mandated to inspect and monitor certain properties to ensure compliance with cross-connection and backflow prevention requirements.

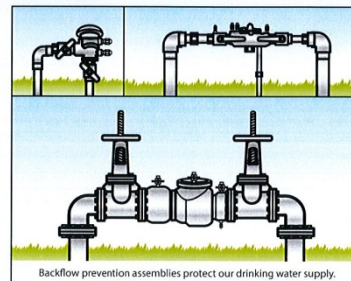
Based on state guidelines, the City is currently identifying and surveying properties with potential hazards.

If it is determined that a backflow prevention assembly is needed, property owners will be notified by mail requesting

compliance. Existing and new backflow prevention assemblies must be tested annually and also after repairs or if devices are relocated.

Licensed contractors must submit plumbing permit applications and approved backflow certification reports to the City of Fort Lauderdale Department of Sustainable Development (DSD).

Keeping our drinking water safe is one of the City's most important public/private partnerships. Our community's continued compliance will provide excellent leadership and strong support for progressive measures to protect public safety.



**For more information, visit [www.fortlauderdale.gov/CCCP](http://www.fortlauderdale.gov/CCCP) or call 954-828-8000.**

# Wastewater System

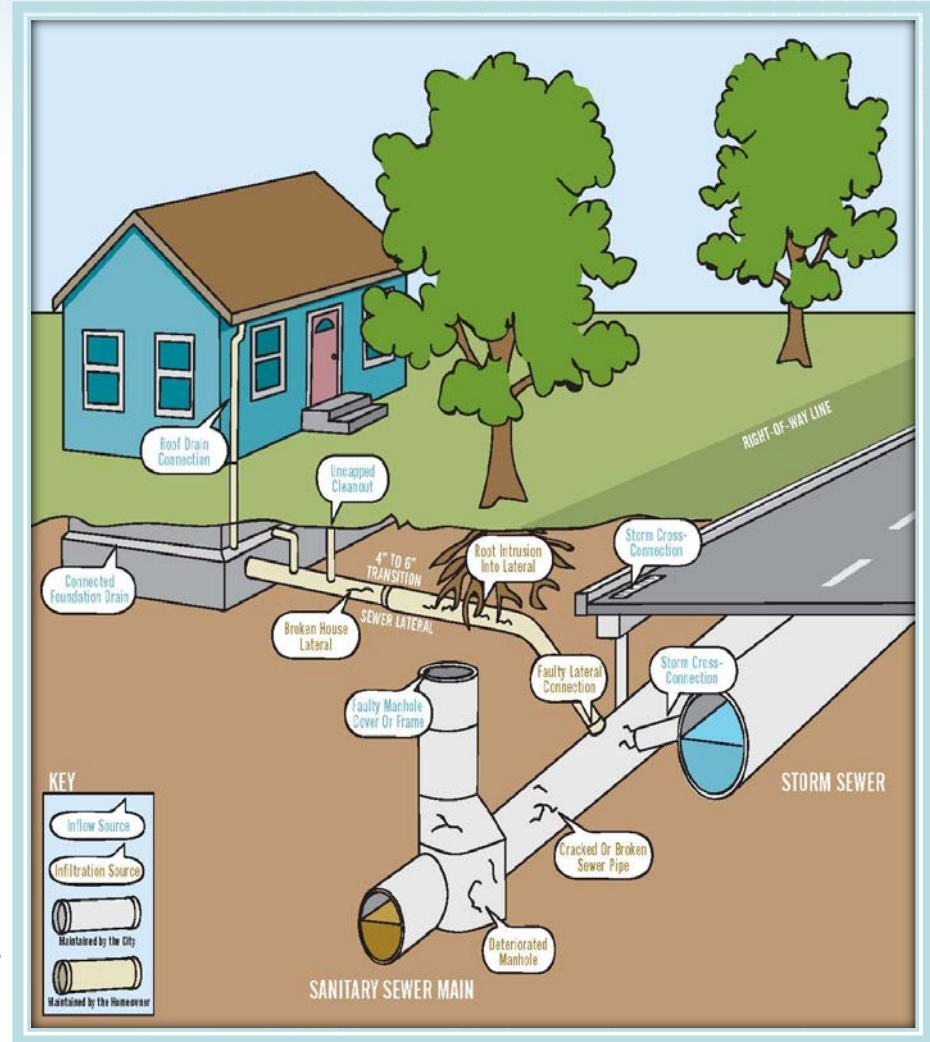


## Gravity Sewer Inflow & Infiltration

# Inflow and Infiltration (I&I)

## Inflow & Infiltration

- Stormwater and groundwater that enters the gravity sewer systems
  - **Inflow** is stormwater that enters the sewer system through manholes and cleanouts
  - **Infiltration** is groundwater that enters the sewer systems through cracks and leaks in the sewer pipes



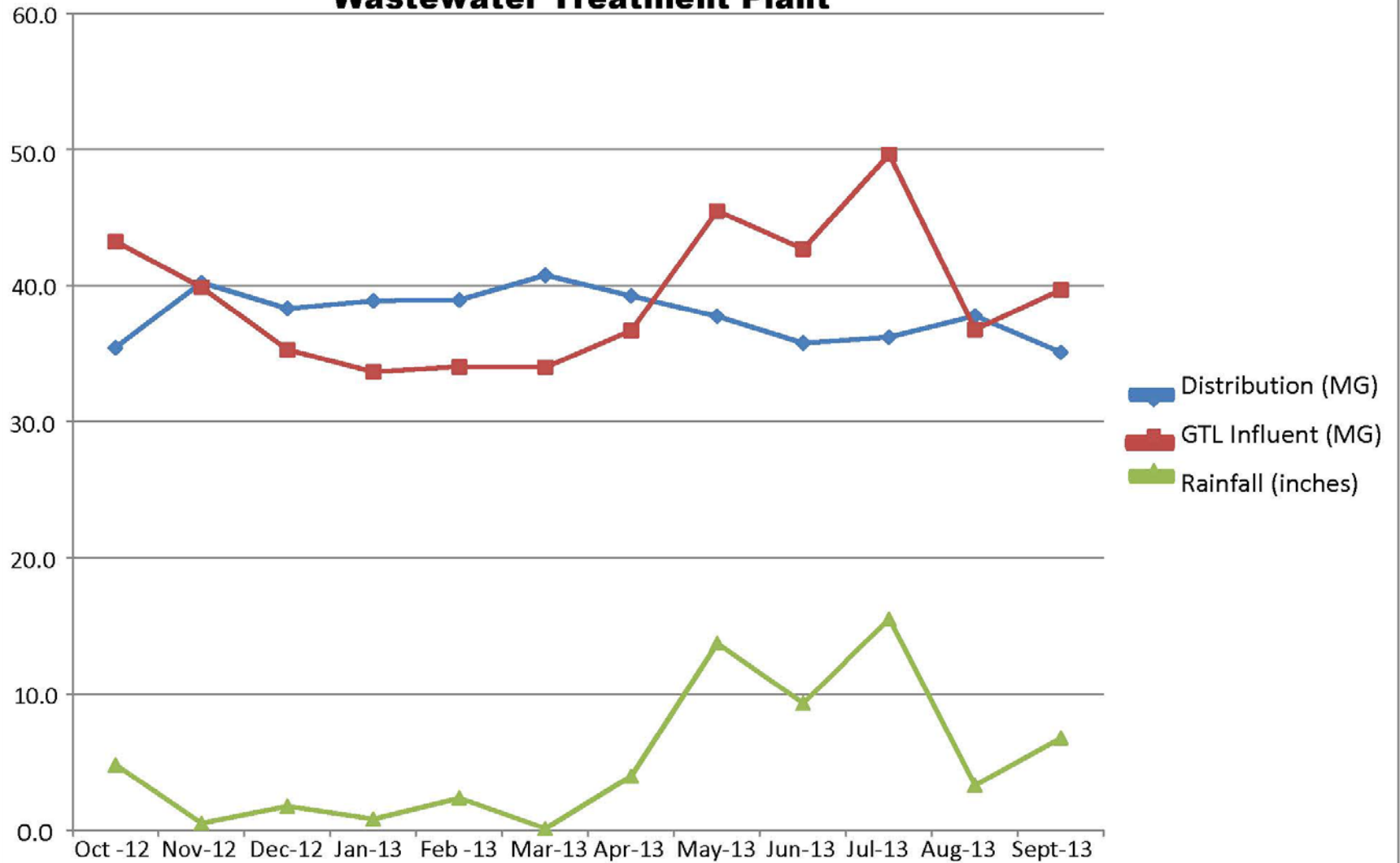
# What Causes Inflow?

## Inflow Sources

- Manholes
  - Flooded streets
- Cleanouts
  - Missing caps
- Roof drains
  - Illegal connections



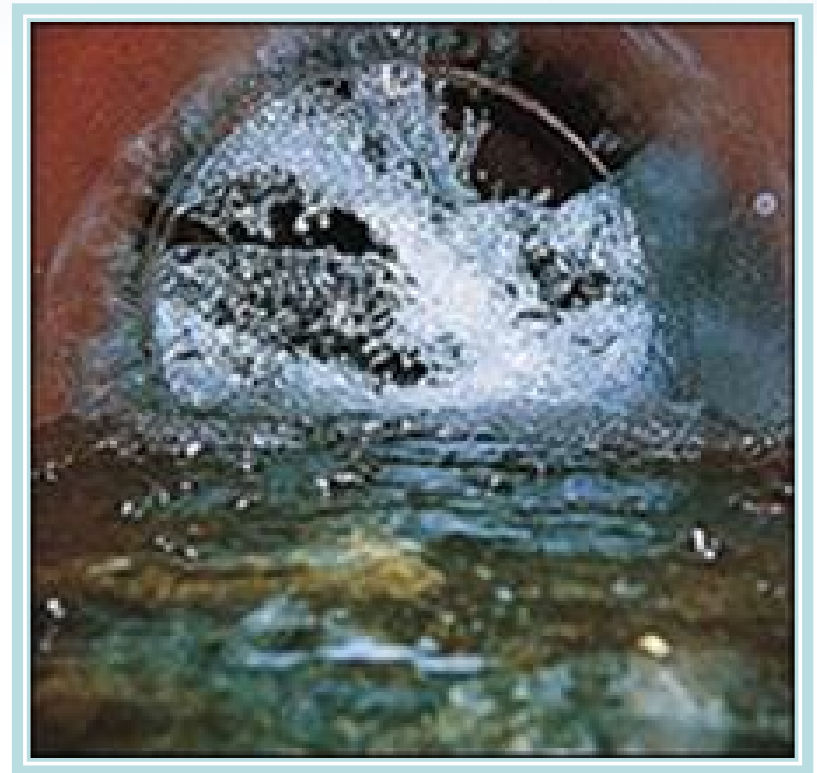
## Rainfall Impact Wastewater Treatment Plant



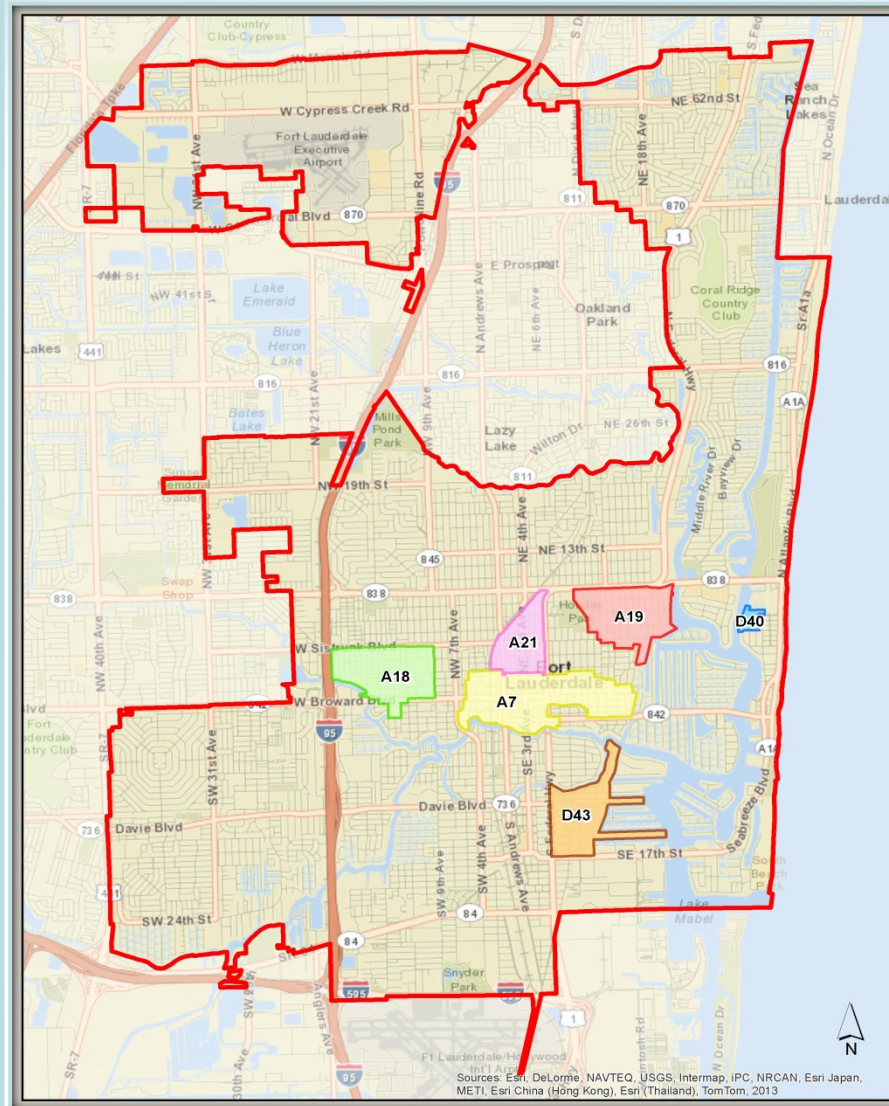
# What Causes Infiltration?

## Infiltration

- Caused by cracks or defects in the gravity sewer pipes or manholes:
  - Age related deterioration
  - Open/misaligned joints
  - Damage from roots
  - Improper construction

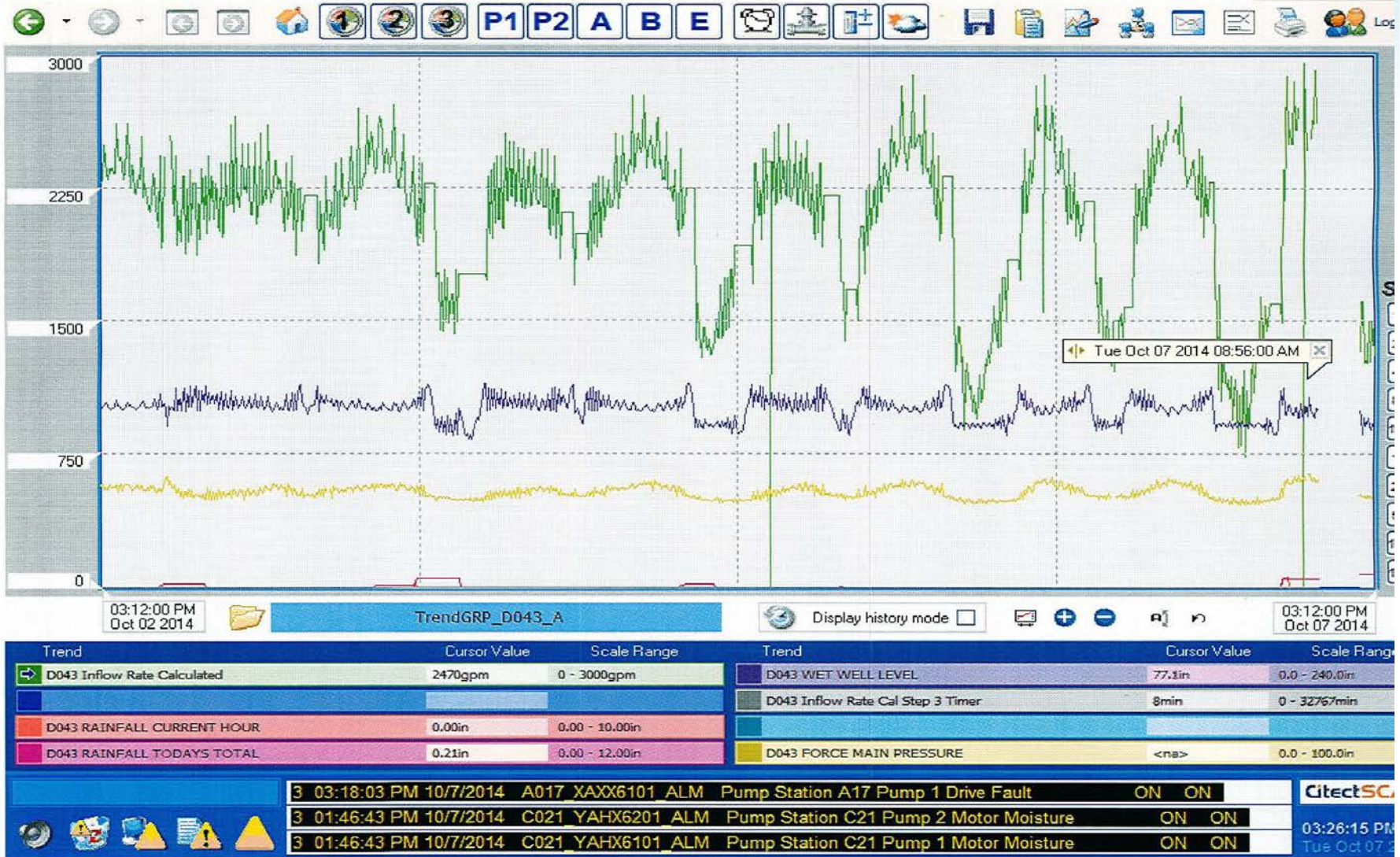


# Sewer Basins – Inflow & Infiltration Projects 2014/2015

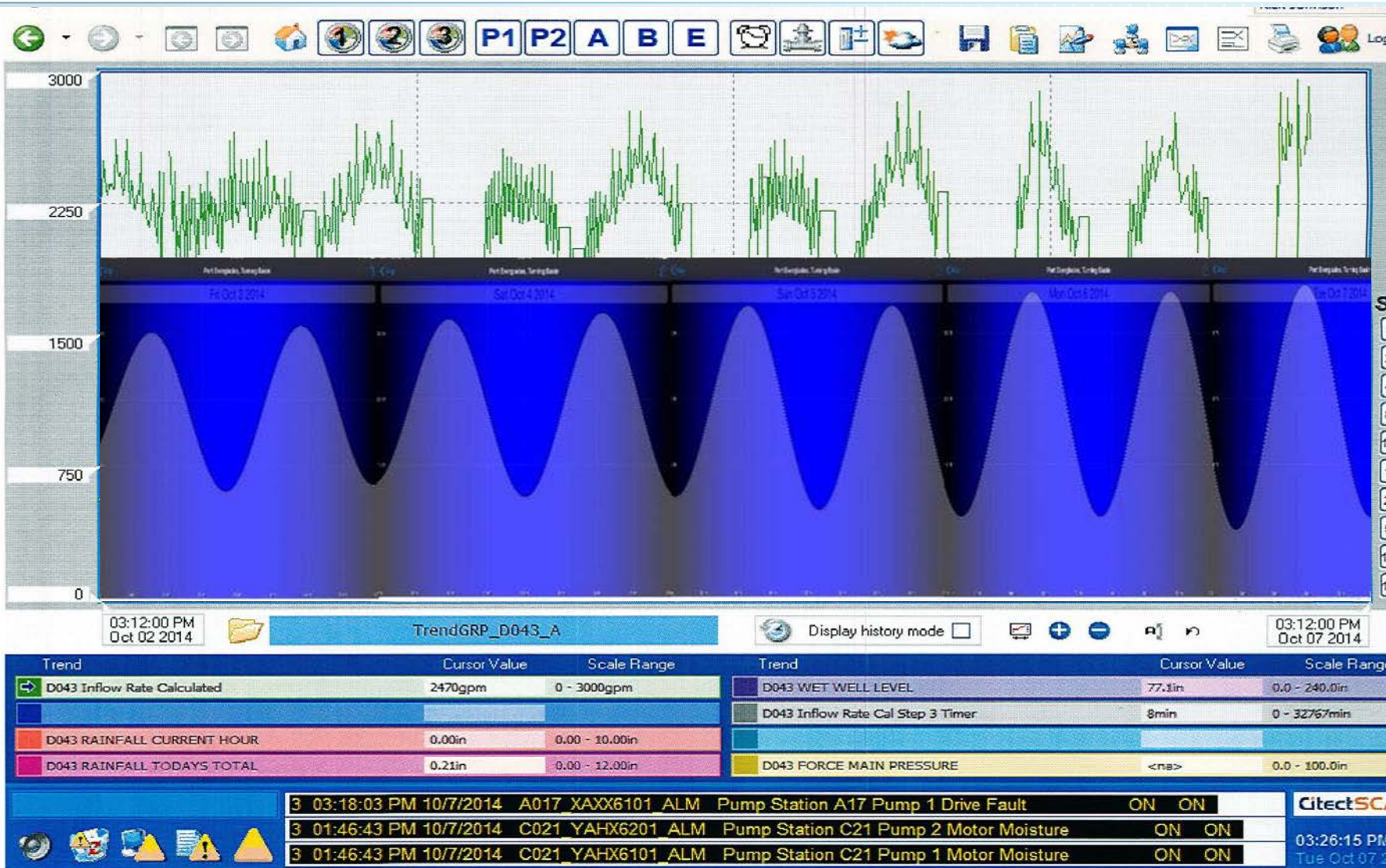




# Pump Station Flows



# Weather & Tidal Influence Chart



# What is the Impact of I&I?

- Adverse impact of I&I:
  - Excessive flows throughout the collection and transmission systems
  - Increases pump station runtimes
  - Increases wastewater treatment plant flows and operations and maintenance costs

# Solutions to Reduce I&I

- Rehabilitation of the City's sewer system infrastructure:
  - Lining gravity sewer mains
  - Lining sewer laterals
  - Grouting and sealing manholes



# Sewer Pipe Relining

**BEFORE**



**AFTER**



# Projects Addressing I&I

| LINING GRAVITY SEWERS & LATERALS (I/I)                            | FY2014/2015        | FY2016             | FY2017             |
|---|--------------------|--------------------|--------------------|
| Central Beach Alliance Sewer Basin D-40 Rehab (P12001)            | \$800,000          |                    |                    |
| Victoria Park Sewer Basin A-19 Rehab (P11563)                     | \$1,015,612        |                    |                    |
| Flagler Heights Sewer Basin A-21 Laterals (P12049)                | \$850,000          |                    |                    |
| Downtown Sewer Basin A-7 Rehab (P11991)                           | \$859,420          |                    |                    |
| Dorsey-Riverbend Basin A-18 Rehab (P12055)                        | \$650,000          |                    |                    |
| Rio Vista Sewer Basin D-43 Rehab (P11566)                         | \$617,677          |                    |                    |
| Coral Ridge Country Club Estates: Sewer Basin B-1 Rehab (P11565 ) | \$272,028          | \$700,000          | \$400,000          |
| Coral Ridge Basin B-6 Sanitary Sewer System Rehab (P11664)        | \$269,581          | \$600,000          | \$400,000          |
| Bermuda Riviera Sewer Basin B-2 Rehab (P11864)                    | \$272,156          | \$600,000          | \$400,000          |
| Coral Ridge Isles Sewer Basin B-13 Rehab (P11865)                 | \$272,219          | \$600,000          | \$400,000          |
| <b>TOTALS</b>   | <b>\$5,878,693</b> | <b>\$2,500,000</b> | <b>\$1,600,000</b> |



# Questions