BEILLINSON GOMEZ

VINTRO HOTEL Case No. 70-R-12

November 19, 2013 Fort Lauderdale City Commission Meeting

<u>ARCHITECTS pa</u>



Presentation Summary

Vintro Brand Project Summary Site Plan Evolution **Final Site Plan Outreach Efforts Architectural Presentation** (Jose Gomez – Beilinson Gomez)

Planning & Compatibility Presentation

(Cecelia Ward – JC Consulting, Inc.)

Operational Presentation

(Molly Hughes – Hughes Hughes Inc.)

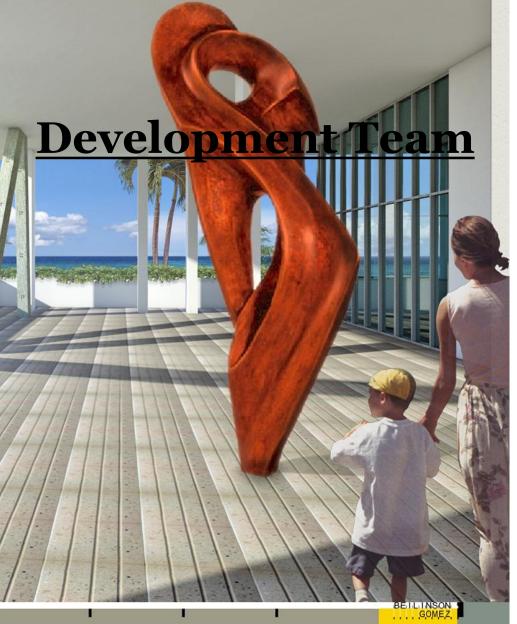
Summary / Rebuttal



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VINTRO HOTEL FORT LAUDERDALE

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VINTRO BRAND

The Vintro Hotel enhances the resort image of Fort Lauderdale by providing a "boutique hotel" that offers a unique and intimate experience for the business and leisure traveler.



By providing such high quality boutique hotel accommodations, the Vintro Hotel enhances the beach to effectively compete with other resort areas

The boutique hotel experience is attractive to a niche of customers looking for something special in style, distinction, warmth and intimacy, differentiating this type of hotel experience from a chain-hotel experience.





"This will be the first of the new Vintro branded hotels, which is designed to revisit the roots of the boutique hotel revolution," says Robert Todak, President of Tailored Hospitality International (THI). Todak's vision is to "...recapture the essence of the classic boutique hotel to differentiate Vintro Hotels, appealing to savvy independent travelers, tired of the homogenization of what once was a dynamic hospitality option."



Project Location



North side of Alhambra St. between A-1-A & N. Birch Road



Project Summary

Address: 3029 Alhambra Street, Fort

Lauderdale, FL 33301

General Location: North side of Alhambra

Street west of A1A (immediately

west of Casablanca Café)

Proposed Use: 61 room hotel including

structured parking, a 500 square foot lobby lounge and a 2,000 square

foot restaurant

Zoning: ABA, A-1-A Beachfront Area

Future Land Use: Central Beach Regional

Activity Center

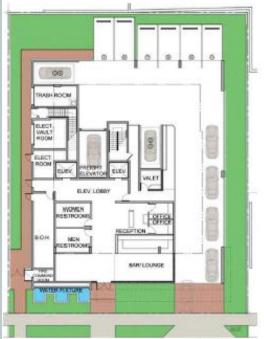
Beach Master Plan: Mid-Beach Character Area



Evolution of Vintro Site Plan

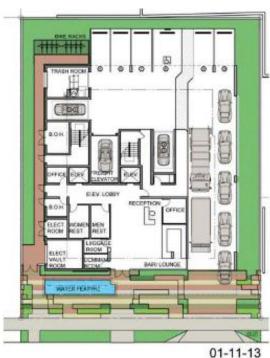
Original Plan

| • | AREA: | 54,.998 S.F. |
|---|--------------------|--------------|
| • | FAR: | 4.4 |
| • | No. OF UNITS: | 72 |
| • | No. OF STORIES: | 14 |
| • | HEIGHT: | 161'-10" |
| • | FRONT (SOUTH SETB. | ACK): 10'-0" |



Pre-P&Z

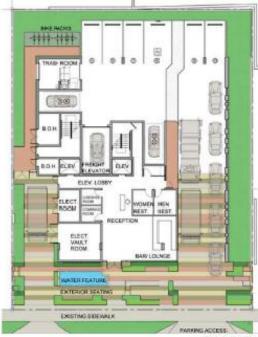
| • | AREA: | 52,475. S.F. |
|---|-------------------|---------------|
| • | FAR: | 4.2 |
| • | No. OF UNITS: | 69 |
| • | No. OF STORIES: | 13 |
| • | HEIGHT: | 164'-4" |
| • | FRONT (SOUTH SETE | BACK): 20'-0" |



Pre-City Commission

| • | AREA: | 49,963 S.F. |
|---|-----------------|-------------|
| • | FAR: | 3.99 |
| • | No. OF UNITS: | 61 |
| • | No. OF STORIES: | 13 |
| • | HEIGHT: | 164'-4" |

· FRONT (SOUTH SETBACK): 20'-0"



05-03-13



09-18-12

Final Site Plan

| Code Compliance | | | | |
|---------------------------|---------------------|---------------|--|--|
| Development Parameter | Code Requirement | Proposed Plan | | |
| Maximum Floor Area Ration | 4.0 (4.8) | 3.99 | | |
| Maximum Building Height | 200' (240') | 164' - 4" | | |
| Structure Length | 200′ | 85' | | |
| Structure Width | 200′ | 80' | | |
| Minimum Parking | 47 | 48 | | |





Project Timeline

Pre-app Meetings w/ City (Summer & Fall 2012)

Submittal (Sept. 2012)

DRC Meeting (Oct. 2012)

Community Outreach (1st meeting w/ CBA in Oct. 2012)

Multiple meetings w/ City staff

(P&Z, Engineering, T&M, CRA)

Resubmit Revised Plans (Dec. 2012)

March 17, 2013 Open House

March 20, 2013 Planning & Zoning Board Meeting

Plan changes to address P&Z Comments

(multiple meetings w/ City staff)

May City Commission submittal for June Meeting

City Commission Summer Break (June-August 2013)

October 16, 2013 Open House

November 19, 2013 City Commission Meeting

Meetings w/ Interested Parties:

10-4-12 -CBA Board

11-1-12 – Casablanca Café

11-8-12 – CBA General Membership

2-20-13 – Meeting with Florida Restaurant and Lodging Association

3-14-13 - CBA General Membership

3-17-13 - Open House

4-11-13 - Casablanca Café

5-20-13 - John Weaver, CBA President

4/13 - 8/13 - Canvassed neighborhood

7-11-13 – Vintro Support Party at Thasos

8-8-13 – Casablanca Café

8-16-13 – Beach Council Meeting

8-28-13 – Jim Novick, Alhambra Place President

10-16-13 – Open House

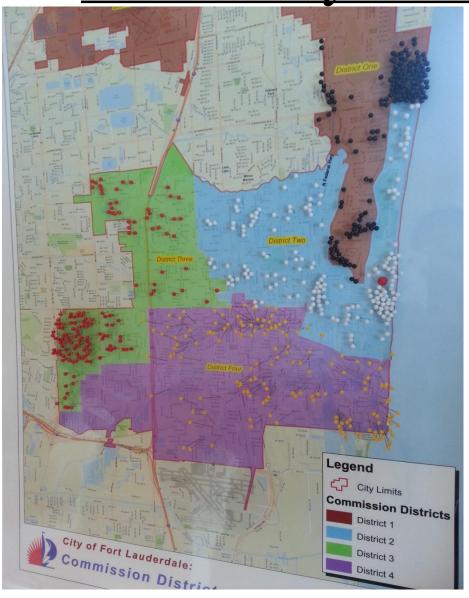
In addition to all face to face meetings, there has been consistent verbal and written communications with neighbors and interested parties throughout the review process.

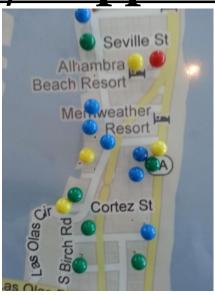


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Community Outreach / Support





750+ Letters of Support

- **•CBA Condos**
- **•**CBA Members
- Chamber of Commerce
- Beach Council
- •Florida Restaurant & Lodging Assoc.
- •City-wide residents & businesses



City of Fort Lauderdale City Commission Public Hearing November 19, 2013

Vintro Hotel Case. No 70-R-12

JOSE GOMEZ
DESIGN ARCHITECT

BEILINSON GOMEZ ARCHITECTS, P.A.
8101 BISCAYNE BOULEVARD
MIAMI, FL 33138













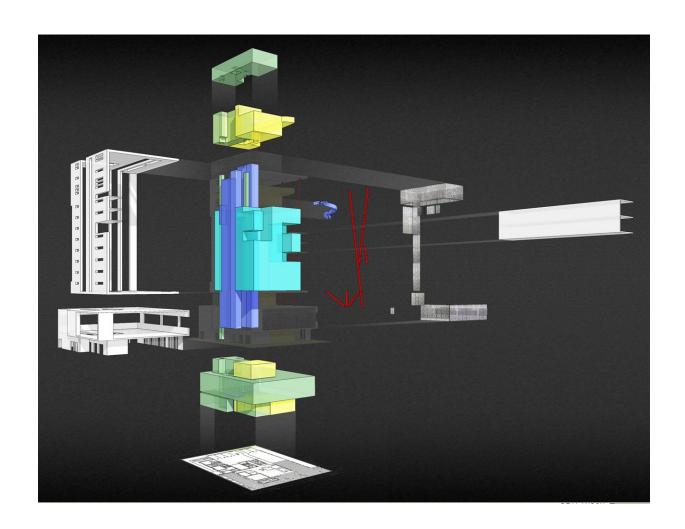


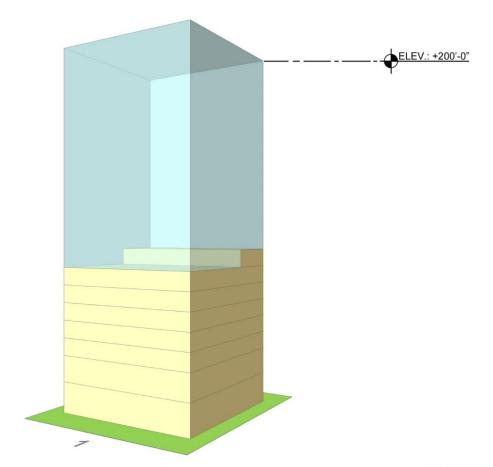




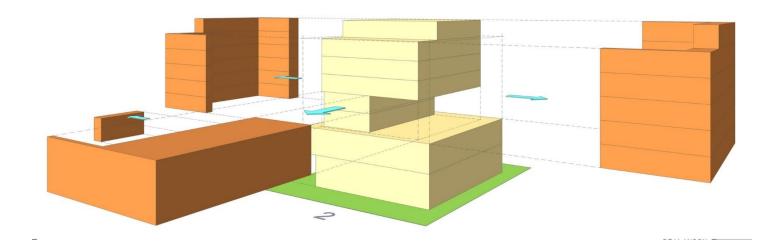


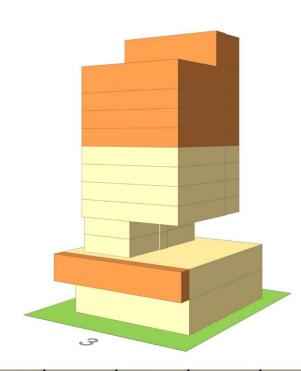






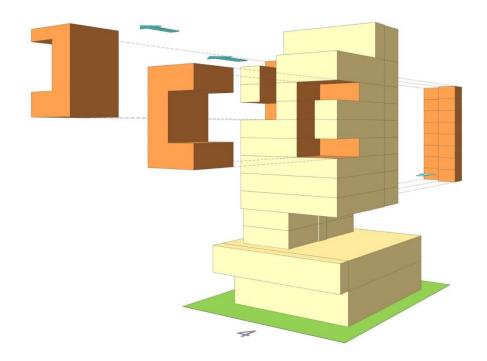


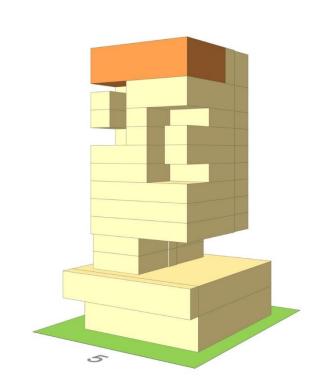


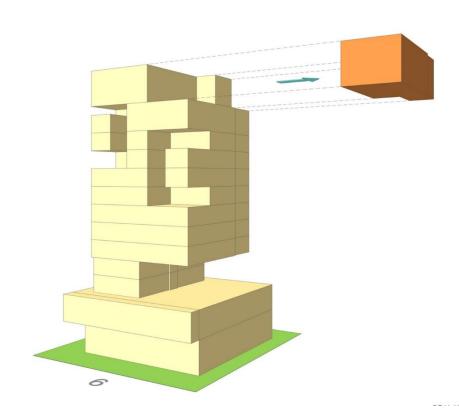


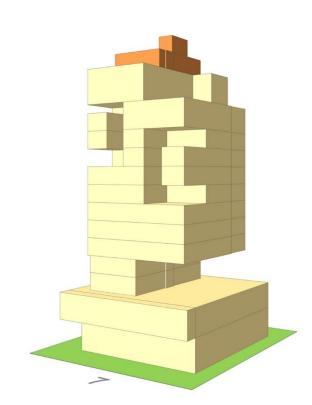
VINTRO HOTEL FORT LAUDERDALE

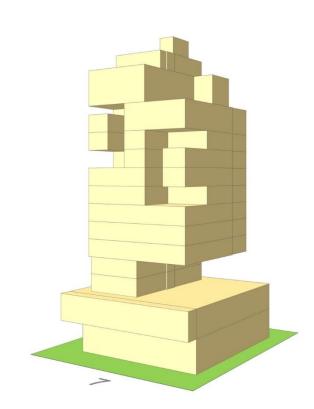
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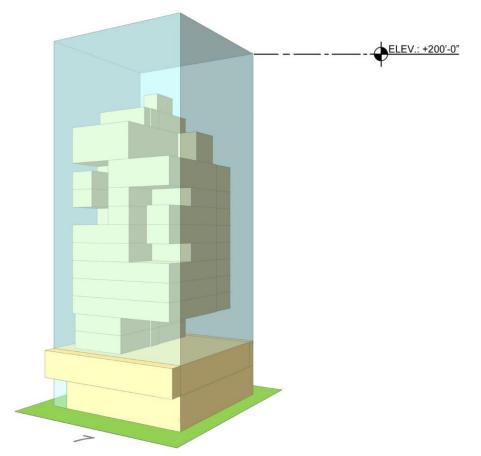
















Building section looking west to east



East Elevation

South Elevation





West Elevation

North Elevation







City of Fort Lauderdale City Commission Public Hearing November 19, 2013

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CECELIA WARD, AICP
PLANNING AND ZONING
FINDINGS AND CONCLUSIONS

JC CONSULTING INC. 102 NE 2 STREET #145 BOCA RATON, FL 33432



SUMMARY OF FINDINGS AND CONCLUSIONS The Vintro Hotel:

- ✓ IS CONSISTENT WITH THE 1988/1989 CENTRAL BEACH AREA REVITALIZATION PLAN
- ✓ **IS CONSISTENT** WITH THE CITY OF FORT LAUDERDALE ADOPTED COMPREHENSIVE PLAN /FUTURE LAND USE ELEMENT
 - ➤ Central Beach Regional Activity Center Goals, Objectives and Policies
 - Central Beach Regional Activity Center Future Land Use Designation
- ✓ **COMPLIES WITH** ALL APPLICABLE CITY OF FORT LAUDERDALE UNIFIED LAND DEVELOPMENT REGULATIONS (ULDRS) CHAPTER 47
 - > SEC. 47-12 CENTRAL BEACH ZONING DISTRICT REQUIREMENTS
 - > SEC. 47-12.2 INTENT AND PURPOSE OF EACH DISTRICT
 - > SEC. 47-12.4 CENTRAL BEACH DISTRICT REQUIREMENTS
 - > SEC. 47-12.5.B. DISTRICT REQUIREMENTS AND LIMITATIONS ABA ZONING DISTRICT
 - > SEC. 47-12.6 CENTRAL BEACH DEVELOPMENT DESIGN CRITERIA
 - > SEC. 47-24.2 SITE PLAN DEVELOPMENT PERMITS
 - > SEC. 47-25.2 ADEQUACY REQUIREMENTS
 - ➤ SEC. 47-25.3 NEIGHBORHOOD COMPATIBILITY REQUIREMENTS
 - ➤ SEC. 47-25.3 COMMUNITY COMPATIBILITY CRITERIA
 - SEC. 47-20 PARKING AND LOADING REQUIREMENTS
 - > SEC. 47-21 LANDSCAPE AND TREE PRESERVATION
- ✓ ACCOMMODATES THE FORT LAUDERDALE DRAFT CENTRAL BEACH MASTER PLAN UPDATE (DRAFT 2009)

Mid Beach Character Area Design Guidelines Central Beach Master Plan Update 2009

Floorplate

- ▶Preferred Floorplates: Hotel 65 ' and more 16,000 s.f.
- ►Vintro Hotel 4,000 s.f.
- >Only 1/4 of recommended maximum floorplate standard
- ➤Only 1/3 of lot coverage



Achieves Central Beach 2009 Master Plan – Enhanced Pedestrian Environment

- Active Use
- Arcade/Canopies
- Bar/Lounge on Ground Floor
- 50% Fenestration
- Covered Seating Area





COMPARISON OF SETBACKS

Setbacks proposed for the Vintro Hotel *are similar* to the setbacks of other hotels approved by the City in the ABA zoning district.

| Setbacks Comparison Chart | | | | | Existing Hotels Setback Range | | | |
|---------------------------|--------------------------|------------------------------|---|--------|----------------------------------|------------------|---------|--|
| Hotel | ULDR Standards | | Vintro Hotel | Hilton | Atlantic | Trump Plaza | W Hotel | Vintro Hotel Comparison |
| Zoning District | ABA | | ABA | ABA | ABA | ABA | ABA | |
| Setbacks Front | Min. 20 ' - abutting ROW | | Base - 20' Tower – 25' | 20.7' | 5.5' - 10' | 50'-6" (East) | 38' | 5.5' – 38' Within Range |
| Rear | ½ height 20' Min. | Min. 20' Not abutting ROW | Base – 20' Tower – 30' | 20.7' | 20' | 20' (South) | 20' Min | 20' – 20.7' Greater rear setback of Tower |
| Side | ½ height 10' Min. | Min. 10' Not abutting ROW | Base - 10' Tower West side 19.2' East side 19.2' | 12.4' | 10' – 27' | 20' (North) | 20' Min | 10' – 27' Within Range |

ABA Zoning Height

ULDR STANDARD:

Max. Height: 200 feet

With ability to request up to 240'

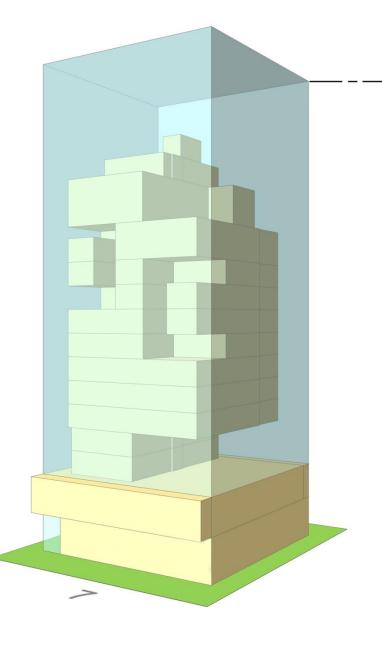
Vintro Hotel

Proposed Height: 164'-4"

<u>Significantly less</u> than height permitted by Code.

Approx. <u>22% less</u> than 200' permitted height.

Approx. <u>46% less</u> than 240' height that may be requested.





ELEV .: +200'-0"

COMPARISON OF HEIGHT

Height proposed for the Vintro Hotel is *significantly less* than the heights of hotels approved in the ABA zoning district.

| Height Comparison Chart | | | | | | | Existing Hotels Height Range |
|-------------------------|------------------|-----------------|--------|----------|----------------|---------|---------------------------------------|
| Hotel | ULDR Standard | Vintro Hotel | Hilton | Atlantic | Trump Plaza | W Hotel | Vintro Hotel in Comparison |
| Zoning District | | ABA | ABA | ABA | ABA | ABA | 178' - 245' |
| Height | 200 ' (240') | 164'-4" | 233' | 178' | 245' | 229'-2" | 164.4' Less than by 8% -49% |



COMPARISON OF FLOOR AREA RATIO (FAR)

FAR proposed for the Vintro Hotel is *similar to and* in most cases, *significantly less* than the heights of hotels approved in the ABA and zoning district.

| FAR (| Compariso | Existing Hotels FAR Range | | | | | |
|--------------------|------------------|------------------------------|--------|----------|----------------|---------------------------------|----------------------------------|
| Hotel | ULDR Standard | Vintro Hotel | Hilton | Atlantic | Trump Plaza | W Hotel | Vintro Hotel in Comparison |
| Zoning District | | ABA | ABA | ABA | ABA | ABA | 3.97 – 6.63 |
| FAR | 4.0 (4.8) | 4.0 | 6.63 | 5.65 | 3.97 | 4.83 (with underground parking) | 4.0 Within Range |



Vintro Hotel Design Enhancements

Architectural Character that Reflects Particular Sensitivity to History and Culture of South Florida

Proposed:

- Mid-Century Modern
 Design, including features
 such as:
 - Cantilevered Roof
 - Floating Planes
 - Glass Wall
 - Concrete Eyebrows
 - Spiral Staircase
 - Open Air Plaza



Vintro Hotel Design Enhancements

Utilize Natural Colors and Composition of South Florida

Proposed:

- White Concrete contrasting with
- Vibrant Tropical Colors through Strategically Placed Color Banding



Development Pattern – ABA Zoned Area and adjacent PRD and IOA Zoned Areas





Complies With Neighborhood and Community Compatibility Criteria Section 47-25.3 ULDR

Building Floor Area Energy Conservation Maximum Height Building Separation Yards **Rooftop Design** Height **Ingress and Egress Vertical Plane Moderation Pedestrian Circulation – useable open space** areas **Façade Treatments Screening Street Level Guidelines** Landscape **Parking** Lighting **Fenestration** Utilities Canopies. **Defensible Space** Trash / Loading Facilities

Compliance with Neighborhood and Community Compatibility Criteria

Distinctive Design that Reflects Positively on the Overall Character of the City

Provided:

- Active Streetscape
- Vertical Moderation, including:
 - Balconies
 - Material and Color Banding
 - Open Air Spiral
 Staircase

















Compliance with Neighborhood and Community Compatibility Criteria

Screening of all:

- Trash Facilities
- Loading Facilities
- Mechanical Equipment
- Parking







Compliance with Neighborhood and Community Compatibility Criteria

Building Orientation Relieves the Monotony of Building Massing and Scale along A-1-A

Provided:

- Vertical Moderation
- Variation in Materials
- Variation in Building Massing
- Open and Airy Design



Vintro Hotel – Planning and Zoning Conclusions

- The City staff is correct in their findings and conclusions.
- Revised to respond to and address the review comments of the City's Planning and Zoning Board.
- Is in compliance and consistent with the City's:
 - > 1988 Central Beach Revitalization Plan
 - Adopted Comprehensive Plan
 - 2009 Central Beach Master Plan Update
 - Unified Land Development Regulations
- Is compatible with:
 - The character of the Central Beach neighborhood of the ABA zoning area; and
 - With the pattern of hotel development that has been approved over time in the ABA zoning district.

Myths vs. Facts

Myths

• Valet queue will impact Alhambra St.

• Loading operations will impact Alhambra St.

Too much traffic

Facts

- 105 ft. of storage provided at hotel's front entrance will more than accommodate peak hour demand. Overflow plaza designed as backup option if necessary.
- No loading zone required by Code. All loading will be accommodated in the building. Overflow plaza designed as backup loading option if necessary.
- So little traffic that Code does not require a traffic study.

Myths vs. Facts

Myths

- Not enough parking
- The hotel is too big for the parcel and does not comply with Code
- Does not meet setback requirements
- Inconsistent with the character of the neighborhood

Facts

- 47 required, 48 provided
- Complies with all ABA development standards and conforms to all City adopted planning documents.
- Site Plan Level IV permits minimum setbacks of 10' side setbacks and 20' rear setback.
- Vintro hotel is consistent in size, area, height and setbacks to other buildings already built or approved in the ABA.
 Zoning and all planning documents encourage developments like Vintro.



Myth vs. Facts

Myth

The existing structure is historical

- Vintro will set a precedent for development that is not allowed by Code and is beyond what Code will permit
- Vintro is not an established brand

Fact

- The structure has <u>never</u> been designated as historic by the City or any other government agency
- Vintro is exactly what was envisioned by the City's Central Beach Master Plan and fills a void in the City's lodging market for a new upscale boutique hotel.
- Vintro Hotel has boutique locations opening in 2014 in Miami Beach and New York City, with consideration for future expansion in Washington D.C. and the Carribean.



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QUESTIONS?

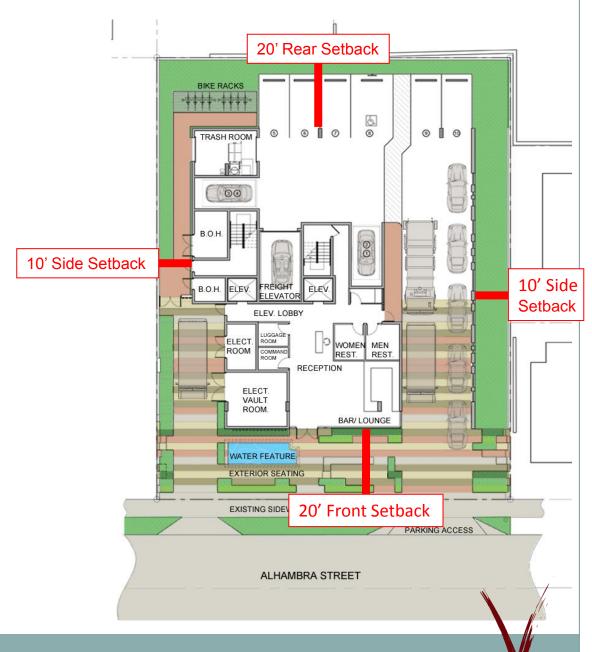


Minimum Setback Requirement:

Front: 20 feet

Rear: 20 feet

Side: 10 feet



- b. Yards not abutting a public right-of-way.
 - i. Side yard: ten (10) feet.
 - ii. Rear yard: twenty (20) feet.
- C. The side and rear yard setbacks are the minimum requirements. Unless otherwise approved as a development of significant impact, in no case shall the yard setback requirements be less than an amount equal to one-half the height of the building when this is greater than the above minimums.

| | IOA | PRD | SBMHA | ABA | NBRA | SLA |
|---|--|--|---|--|---|---|
| | Intracoastal Overlook Area | Planned Resort District | South Beach Marina and Hotel Area | A-1-A Beachfront Area | North Beach Residential Area | Sunrise Lane District |
| Height (maximum) | 120 ft | 200ft | 120 ft | 200 (240 with Beach Development Permit) 35 along A-1-A | 120 ft | 120 ft |
| Site Plan Process for Residential | Allowed Level III | Allowed Level IV | Allowed Level IV | Not allowed | Allowed Level III | Allowed Level IV |
| Hotel | Level IV | Level IV | Level IV | Level IV | Level IV | Level IV |
| Maximum Density (du/ net acre) | 48 | 48 | 48 | Not Described in ULDR | 32 | 48 |
| Density (Hotel rooms/acre) | 90 | Not Described in ULDR | Not Described in ULDR | Not Described in ULDR | 50 | 90 |
| Maximum FAR | Not Described in ULDR | 6 | 5 | 4 (Beach Development Permit allows higher) | Not Described in ULDR | 2 (commercial retail) |
| Setbacks: | Front - 20 Side - Half the height - or Development of Significant Impact Rear - Half the height - or Development of Significant Impact | All structures set back 20 ft from A-1-A, 20 ft from any public ROW unless it's a development of significant impact. | 20 ft from A-1-A and Seabreeze Blvd, side 10ft, rear 20 ft Side - Half the height - minimum 10 (not abutting A-1-A or Seabreeze) Rear - Half the height - minimum 20 (not abutting A-1-A or Seabreeze) | All structures 20 ft from A-1-A, 20 ft from any public ROW unless it's a development of significant impact. Side - Half the height - minimum 10 (not abutting ROW) Rear - Half the height - minimum 20 (not abutting ROW) | Development of Significant Impact Rear - Half the height - or | Front - Half the height- minimum 20 or 10 or 0 Side - Half the height- minimum 10 or 0 Rear - Half the height- minimum 20 or 0 |
| Maximum Length | 200 | 200 | 200 | 200 | 200 | 200 |
| Maximum Width | 200 | 200 | 200 | 200 | 200 | 200 |

Central Beach Zoning Summary, City of Fort Lauderdale

Mid Beach Character Area

The intent of the Mid Beach Area is envisioned as a residential and hotel area transitioning from the more dense core Central Beach Entertainment Area to the less dense North Beach neighborhood.

The Mid Beach Character Area is a predominantly residential neighborhood characterized by its scale and existing architectural resources. Future development should respect the existing fabric and scale by limiting large footprints and encouraging smaller footprints for new development not fronting on A1A. View corridors and public access to the Intracoastal Waterway should be maintained.

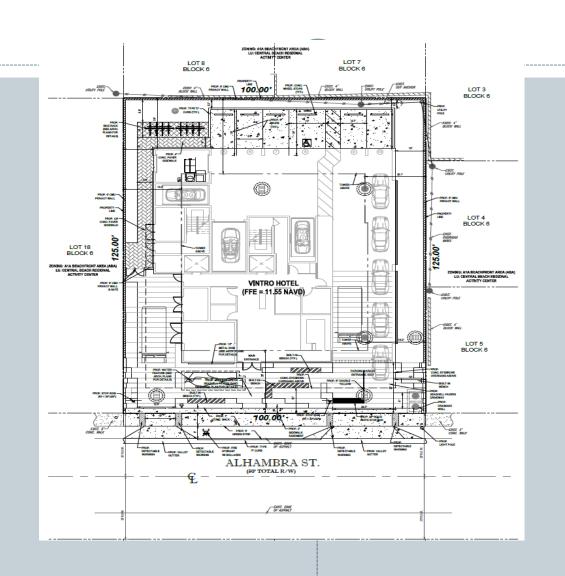


Alhambra/Sebastian Parcel

The Alhambra/Sebastion lots, located at mid beach, offer the opportunity for mixed-use redevelopment. Expanding parking and reflecting the existing uses nearby at Mid Beach the site could accommodate a hotel while also including public parking. The site can accommodate a 10 floor 350 room hotel, and 500 parking spaces, of which 150 spaces would be dedicated to the public replacing the existing 79 spaces. The 10 floor hotel building set back from A1A and the north side of the parcel would not create a shadow on the beach.



Alhambra / Sebastian development potential



City of Fort Lauderdale City Commission Public Hearing November 19, 2013

Vintro Hotel Case. No 70-R-12

MOLLY J. HUGHES, AICP, PTP, AVS
TRAFFIC CONSULTANT
FINDINGS AND CONCLUSIONS

HUGHES HUGHES INC. 728 SW 4TH PLACE, SUITE 103 FORT LAUDERDALE, FL 33312



MOLLY J. HUGHES, AICP, PTP

President

Hughes Hughes Inc., Transportation Engineers & Planners



PROFESSIONAL BACKGROUND

Approximately 30 years of local, state and international professional transportation planning experience.

Founder and principal-in-charge of a traffic engineering firm registered with the State of Florida since 1996.

PROFESSIONAL ACCOMPLISHMENTS

Served as the traffic consultant for:

- CityPlace in downtown West Palm Beach
- Palmetto Park in downtown Boca Raton
- New River Center in downtown Fort Lauderdale
- the City of Miami's Downtown Development of Regional Impact (DDRI)

Provided expert witness testimony in trial, depositions, and before administrative agencies including testimony relied upon in decisions by the Fourth District Court of Appeals and the Supreme Court of Florida.

Awarded annual AASHTO Exemplary Partners Award for value engineering saving over \$23M on the SR 7 roadway widening project in southern Broward County.

Provided municipal traffic engineering services to Dania Beach, Hallandale Beach, Jupiter, Lauderdale-By-The-Sea, and Southwest Ranches, and transportation engineering review services to the City of Fort Lauderdale.

Revised and updated municipal parking codes for Martin County, Wilton Manors, and Hallandale Beach.

Authored the first transit-oriented traffic mitigation program approved by Broward County. The program served as the model for the State's first Transit Oriented Concurrency program.

Helped draft the ELMS III concurrency management legislation that significantly enhanced concurrency management in the State of Florida.

Served on the faculty of the Department of Urban and Regional Planning at Florida Atlantic University.

PROFESSIONAL TRAINING & CERTIFICATIONS

- Certified Planner, American Institute of Certified Planners (AICP)
- Professional Transportation Planner (PTP), Institute of Transportation Engineers
- Past Associate Value Specialist (AVS), SAVE International value engineering association
- Master of Arts in Urban Affairs/Planning, University of Alabama in Birmingham



Operations & Logistics

- Community voiced operational concerns
- Voluntarily undertook detailed operations analysis (not required by City staff or Code)
- Analyzed hotel operations and logistics (parking, loading, traffic, etc.)
- City staff concurs with results of operations analysis
- Conditions of approval to implement results of analysis
- Vintro Hotel meets or exceeds City Code requirements



Operations & Logistics

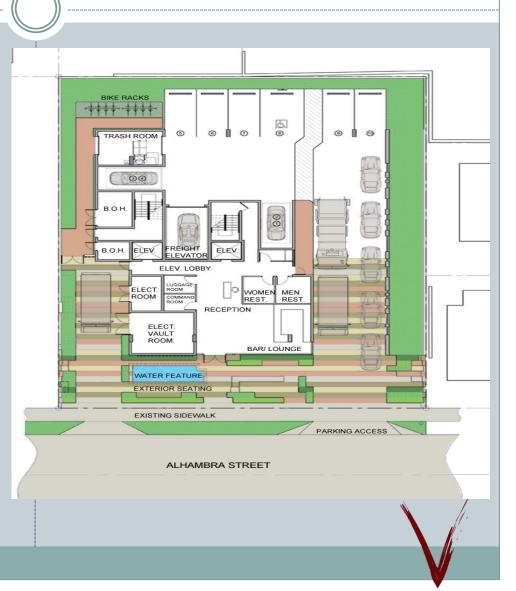
• Question 1: Will the valet queue backup onto Alhambra Street?

- Question 2: How will loading and delivery operations be accomplished on-site so that Alhambra Street is not impacted by these activities?
- Question 3: Can conflicts between waste removal, truck loading and other deliveries, and valet operations be avoided?

- **Question 1**: Will the valet queue backup onto Alhambra Street?
- Yes, Hughes Hughes Inc. conducted a queuing analysis that shows a maximum queue accumulation of 3 vehicles, while the project driveway will accommodate 5 inbound vehicles on-site.

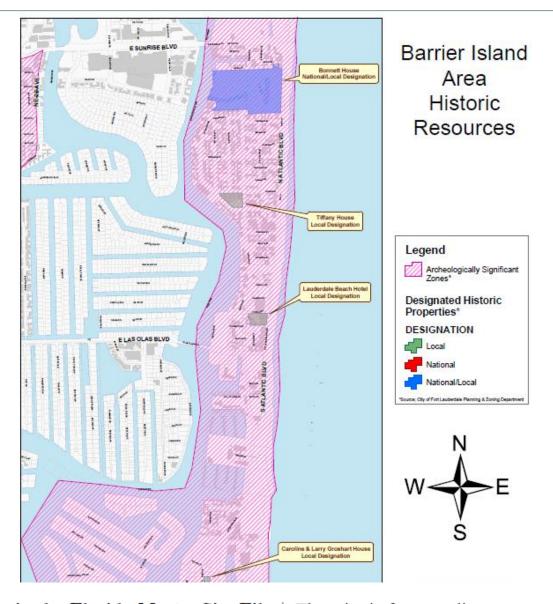


- Question 2: How will loading and delivery operations be accomplished on-site so that Alhambra Street is not impacted by these activities?
- The ground floor layout and clearances have been designed to accommodate waste removal and delivery trucks within the building envelope. Exiting vehicles will be delayed when necessary during the loading/unloading process to keep the garage's inbound lane clear for entering vehicles to queue until trucks have departed.

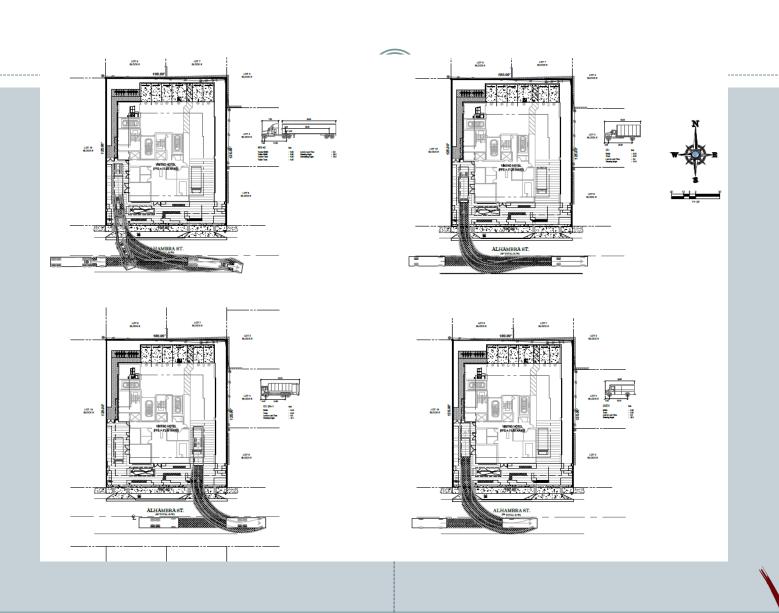


- Question 3: Can conflicts between waste removal, truck loading and other deliveries, and valet operations be avoided?
- Yes, waste removal and truck deliveries, which will occur within the ground floor garage, will be strictly scheduled for separate timeframes, and to avoid peak hotel arrivals (in the hour before check-out) and departures (peaking during the two hours after check-in).





Eligibility for Inclusion in the Florida Master Site File | The criteria for recording a resource on the Florida Master Site File are that it be adequately documented with a State Site Form and that it be at least 50 years old. The Site File is an inventory and not a state historic register. Therefore, there is no historical significance requirement for inclusion in the Site File, although many included properties do possess special significance.





A1 BUILDING MAIN ENTRY AERIAL VIEW



C4 BUILDING MAIN ENTRY VIEW FROM ALHAMBRA STREET

SCALE: N.T.S.



A multi-purpose elevator

This fast yet powerful elevator can even be used as a passenger elevator in shopping centres and airports where large elevator cars and fast speeds ensure uninterrupted people flow throughout the building.

KONE Vehicle™ elevator

The KONE TranSys freight and service elevator is even suitable for vehicle transportation from underground or rooftop car parks where space is at a premium. Its main features include:

- Machine-room-less technology that allows for extra rooftop space
- Faster ride compared to hydraulic elevators
- Energy saving due to gearless hoisting technology
- Patented lightweight floor. Saves approx.
 2000 kg in a typical 3000 x 6000 mm car compared to a conventional floor
- Full car width doors
- Easy elevator call with a separate landing call station on a raised pedestal
- KONE 3D passenger detector opens the elevator doors as you approach and keeps them open as you enter or exit



Double Parking System





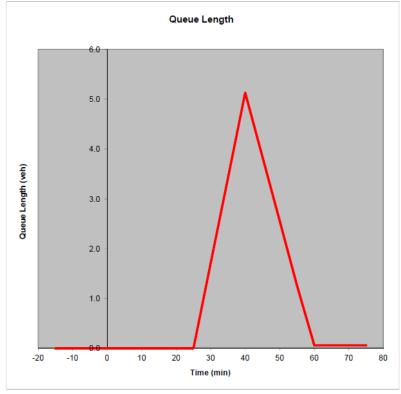
Attachment 6c

Peak Hour of the Generator Driveway Queue Analysis Arrival Scenario 3: Peak Distribution - 60% Arrival Over 15 Minutes Vintro Hotel

This scenario assumes 60% of the hourly demand arrives over a 15-minute period.

| Service Rate | 0.46 2.29 | veh/min veh/5-min | | 4.5 | Arrival P | attern | | |
|----------------------------|--------------------|--------------------------------|----------------|--|------------|-------------|----|----|
| Peak Arrival Rate | 48 0.80 4.00 | veh/hr veh/min veh/5-min | Arrivals (veh) | 4 - 3.5 - 3 - 2.5 - 2 - 1.5 - 1 - 0.5 - | | | _ | |
| Initial Queue Length | 0 | veh | 3 | 20 0 | 20 Time | 40 (min) | 60 | 80 |

| Time | | | Vehicles Arriving | Vehicles Serviced | Oueue Formed | Cumulative |
|----------|--------|------------|-------------------|-------------------|---------------|------------|
| Interval | Start | End | Venicles Aniving | Venicles Serviced | Queue i onneu | Queue |
| -3 | -20 | -15 | 0 | 0.0 | 0.0 | 0.0 |
| -2 | -15 | -10 | 0 | 0.0 | 0.0 | 0.0 |
| -1 | -10 | -5 | 0 | 0.0 | 0.0 | 0.0 |
| 0 | -5 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 1 | 0 | 5 | 0 | 0.0 | 0.0 | 0.0 |
| 2 | 5 | 10 | 1 | 1.0 | 0.0 | 0.0 |
| 3 | 10 | 15 | 1 | 1.0 | 0.0 | 0.0 |
| 4 | 15 | 20 | 1 | 1.0 | 0.0 | 0.0 |
| 5 | 20 | 25 | 1 | 1.0 | 0.0 | 0.0 |
| 6 | 25 | 30 | 4 | 2.3 | 1.7 | 1.7 |
| 7 | 30 | 35 | 4 | 2.3 | 1.7 | 3.4 |
| 8 | 35 | 40 | 4 | 2.3 | 1.7 | 5.1 |
| 9 | 40 | 45 | 1 | 2.3 | -1.3 | 3.8 |
| 10 | 45 | 50 | 1 | 2.3 | -1.3 | 2.6 |
| 11 | 50 | 55 | 1 | 2.3 | -1.3 | 1.3 |
| 12 | 55 | 60 | 1 | 2.2 | -1.2 | 0.1 |
| 13 | 60 | 65 | 0 | 0.0 | 0.0 | 0.1 |
| 14 | 65 | 70 | 0 | 0.0 | 0.0 | 0.1 |
| 15 | 70 | 75 | 0 | 0.0 | 0.0 | 0.1 |
| | Totals | | 20 | 20 | | |
| | Max | Queue (Foi | e) | 2 | 5 | |



Attachment 6b

Peak Hour of the Generator Driveway Queue Analysis Arrival Scenario 2: Even Distribution - 100% Arrival Over 30 Minutes Vintro Hotel

This scenario assumes the hourly demand arrives at a constant rate over a 30-minute period.

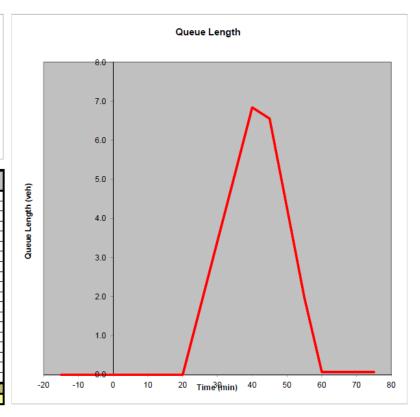
| Service | 0.46 | veh/min |
|---------|------|-----------|
| Rate | 2.29 | veh/5-min |

| Peak Arrival | 40 | veh/hr |
|--------------|------|-----------|
| Rate | 0.67 | veh/min |
| Rate | 3.33 | veh/5-min |

| Initial Queue 0 Length | veh |
|------------------------------|-----|
|------------------------------|-----|

| | 4.5 | Arriva | l Pattern | | | |
|----------------|---|--------|-----------|----|----|--|
| Arrivals (veh) | 4.3.5 - 3 - 2.5 - 2 - 1.5 - 1 - 0.5 - 0 | | | | | |
| -3 | 20 0 | | 40 | 60 | 80 | |
| Time (min) | | | | | | |

| Time | Tii | me | Vehicles Arriving | Vehicles Serviced | Oueue Formed | Cumulative |
|--------------|-------|------------|---------------------|-------------------|---------------|------------|
| Interval | Start | End | Venicles Arriving | Venicles Serviced | Queue i onneu | Queue |
| -3 | -20 | -15 | 0 | 0.0 | 0.0 | 0.0 |
| -2 | -15 | -10 | 0 | 0.0 | 0.0 | 0.0 |
| -1 | -10 | -5 | 0 | 0.0 | 0.0 | 0.0 |
| 0 | -5 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 1 | 0 | 5 | 0 | 0.0 | 0.0 | 0.0 |
| 2 | 5 | 10 | 0 | 0.0 | 0.0 | 0.0 |
| 3 | 10 | 15 | 0 | 0.0 | 0.0 | 0.0 |
| 4 | 15 | 20 | 2 | 2.0 | 0.0 | 0.0 |
| 5 | 20 | 25 | 4 | 2.3 | 1.7 | 1.7 |
| 6 | 25 | 30 | 4 | 2.3 | 1.7 | 3.4 |
| 7 | 30 | 35 | 4 | 2.3 | 1.7 | 5.1 |
| 8 | 35 | 40 | 4 | 2.3 | 1.7 | 6.8 |
| 9 | 40 | 45 | 2 | 2.3 | -0.3 | 6.6 |
| 10 | 45 | 50 | 0 | 2.3 | -2.3 | 4.3 |
| 11 | 50 | 55 | 0 | 2.3 | -2.3 | 2.0 |
| 12 | 55 | 60 | 0 | 1.9 | -1.9 | 0.1 |
| 13 | 60 | 65 | 0 | 0.0 | 0.0 | 0.1 |
| 14 | 65 | 70 | 0 | 0.0 | 0.0 | 0.1 |
| 15 | 70 | 75 | 0 | 0.0 | 0.0 | 0.1 |
| Totals 20 20 | | | | | | |
| | Max | Queue (Foi | rmed and Cumulative | e) | 2 | 7 |



ENGINEERING ESTIMATE OF PROBABLE COST Alhambra Street improvements

| DEMOLITIC | IN: | | |
|--------------|-----------------------------------|-------------------------------|--------------|
| QUANTITY | U/A DESCRIPTION | | |
| 220 | SY Remove Exist. Asphalt | \$ 5.00 \SY | \$ 1,100.00 |
| 2,000 | SF Remove Exist Concrete | \$ 3.50 \SF | \$ 7,000.00 |
| 70 | LF Remove Exist Curb | \$ 3.00 \LF | \$ 210.00 |
| 1 | LS Peanut Modification | \$ 1,500.00 \LS | \$ 1,500.00 |
| | | SUBTOTAL: | \$ 9,810.00 |
| PAVEMENT | : | | |
| QUANTITY | U/A DESCRIPTION | | |
| | SY 12' Stabilized Subgrade | \$ 2.50 \SY | \$ - |
| | SY 8' Limerock Base | \$ 10.00 \SY | \$ - |
| 340 | SY 1-1/2" Type S-3 Asphalt | \$ 20.00 \SY | \$ 6,800.00 |
| | | SUBTOTAL: | \$ 8,800.00 |
| CONCRETE | E | | |
| QUANTITY | U/A DESCRIPTION | | |
| 50 | LF Valley Gutter | \$ 15.00 \LF | \$ 750.00 |
| 40 | LF 6' x 18' Type 'D' Curb | \$ 15.00 \LF | \$ 600.00 |
| 125 | LF 6' x 18' Type 'F Curb | \$ 20.00 \LF | \$ 2,500.00 |
| 2,000 | SF 6' Concrete Sidewalk | \$ 5.50 \SF | \$ 11,000.00 |
| 1 | L8 Service Drive Tumout | \$ 1,500.00 \L8 | \$ 1,500.00 |
| 120 | SF Detectable Warnings | \$ 29.00 \SF | \$ 3,360.00 |
| | | SUBTOTAL: | \$ 19,710.00 |
| MISC. | | | |
| QUANTITY | U/A DESCRIPTION | | |
| 1. | LS Striping of Alhambra | \$ 2,500.00 \LS | \$ 2,500.00 |
| 2 | EA ADA Ramp | \$ 1,000.00 \EA | \$ 2,000.00 |
| 1 | LS Peanut Modification | \$ 2,500.00 \LS | \$ 2,500.00 |
| | | SUBTOTAL: | \$ 7,000.00 |
| SUMMARY: | | | |
| | DEMOLITION: | | \$ 9,810.00 |
| | PAVEMENT: | | \$ 7,000.00 |
| | CONCRETE: | | \$18,710.00 |
| | MISC. | | \$ 7,000.00 |
| | TOTAL | ENGINEER'S ESTIMATE: | \$ 38,520.00 |
| Estimate pro | vided via May 7, 2013 e-mail from | n City: | |
| | | Original Estimate from Bohier | |
| | | Street Trees and landscaping | |
| | | Subtotal | \$38,000.00 |

Mobilization, MOT

Total Estimate for "like" contribution \$50,000.00

Engineering design, permit fees, bonds and engineering construction support \$ 7,000.00

\$ 5,000.00



