



Item No. 13c

LAUDERDALE • BY • THE • SEA

### Agenda Item Memorandum

**Administration**

**Pat Himelberger, Asst to the TM** *ph*

Department

Department Director

COMMISSION MEETING DATE - 7:00 PM	Deadline to Town Clerk
<input type="checkbox"/> Sept 11 – Regular Meeting 7:00 PM	Sept 5
<input type="checkbox"/> Sept 12 - 1 <sup>st</sup> Public Hearing 7:00 PM	Sept 5
<input type="checkbox"/> Sept 24 - 2nd Public Hearing 7:00 PM	Sept 19
<input checked="" type="checkbox"/> Sept 24 - Regular Meeting following Public Hearing	Sept 19

*\*Subject to Change*

- Presentation       Reports       Consent       Ordinance
- Resolution       Quasi-Judicial       Old Business       New Business

**FY2012 DESIGNATED HIGH PRIORITY ITEM - PRIORITY TOPIC**

**SUBJECT TITLE:** Florida Highway Beautification Council Grant Application for Landscaping on the West Commercial Boulevard Project.

**EXPLANATION:** The Florida Highway Beautification Council has a grant program which provides funding up to \$100,000 per project through for landscaping on state roads including adjacent public property. The emphasis in this particular grant cycle is to fund projects with strategically placed landscaping which will promote tourism and encourage economic development. Therefore, the West Commercial Boulevard streetscape project seems to be a perfect fit for this program.

I worked with Architectural Alliance to compile the required exhibits for the grant application. Given the grant requirements, Hugh Johnson made a few changes in tree and plant selection in order to boost our chances of being successful. We recommend requesting \$75,000 for plants and \$25,000 for irrigation for a total of \$100,000. We will be matching the grant with an additional \$202,685, the combined total of which is the estimated cost of the landscaping portion of the Commercial Boulevard Streetscape Project. We requested and received letters of support from various businesses for the project and have included them with the grant application.

Last week I met with Florida Department of Transportation (FDOT) staff to review our submission. They were very pleased with our grant application. The good thing about this grant program is that the funds are available in FDOT's current budget, so there is not the multi-year lag time that is so common with State grants. The Florida Highway Beautification Council meets in January to review the applications and we will be notified in February whether we have been successful.

Although we can go out to bid for the project, if we receive grant funding, we cannot award the bid until we have entered into an agreement with FDOT. FDOT staff assured me they would accelerate their agreement to assist us with our construction schedule. The grant funds are available for 24 months following the award.

**RECOMMENDATION:** Commission authorize the Town Manager to submit the grant application to the Florida Highway Beautification Council for landscaping on the West Commercial Project.

**EXHIBITS:** Grant Application

Reviewed by Town Attorney  
 Yes       No

Town Manager Initials *CH*

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**RESOLUTION 2012-43**

**A RESOLUTION OF THE TOWN COMMISSION OF THE TOWN OF LAUDERDALE-BY-THE-SEA AUTHORIZING THE TOWN MANAGER OR HER DESIGNEE TO APPLY FOR A FLORIDA HIGHWAY BEAUTIFICATION COUNCIL GRANT; AUTHORIZING THE TOWN NMANAGER TO EXECUTE A LANDSCAPE CONSTRUCTION, AND MAINTENANCE AGREEMENT WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION; PROVIDING FOR SEVERABILITY, CONFLICTS AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, the roadside areas and median strips within Department of Transportation rights of way located in the Town of Lauderdale-By-The-Sea must be maintained and attractively landscaped; and

**WHEREAS**, the Town Commission wishes to continue to beautify and improve the various rights of way by landscaping within the Town for the benefit of the community; and

**WHEREAS**, the Town Commission wishes to authorize the Town Manager or her designee to apply for a Florida Highway Beautification Council Grant from the Florida Department of Transportation;

**WHEREAS**, if the grant is awarded, the Town Commission wishes to accept the grant and authorize execution of the appropriate grant agreement.

**NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COMMISSION OF THE TOWN OF LAUDERDALE-BY-THE-SEA, FLORIDA:**

**Section 1. Recitals.** Each “WHEREAS” clause set forth herein is ratified and incorporated herein by this reference.

**Section 2. Authorizing Grant.** The Town Manager or her designee is authorized to apply for a Florida Highway Beautification Council Grant from the Florida Department of Transportation.

32           **Section 3. Execution of Agreement.** The Town Manager is authorized to execute a  
33 Florida Highway Beautification Grant, Landscape Construction, and Maintenance Agreement,  
34 and/or memorandum thereof, with the Florida Department of Transportation, subject to approval  
35 of form by the Town Attorney.

36           **Section 4. Copies.** The Town Clerk is hereby directed to send copies of this resolution,  
37 and other documents as necessary, to the Department of Transportation.

38           **Section 5. Conflict.** All resolutions or parts of resolution in conflict herewith are  
39 hereby repealed to the extent of such conflict.

40           **Section 6. Severability.** If any clause, section or other part of this resolution shall be  
41 held by any court of competent jurisdiction to be unconstitutional or invalid, such  
42 unconstitutional or invalid part shall be considered as eliminated and in no way affecting the  
43 validity of the other provisions of this resolution.

44           **Section 7. Effective Date.** This resolution shall become effective immediately upon  
45 its passage.

46           **PASSED AND ADOPTED** this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

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\_\_\_\_\_  
Mayor Roseann Minnet

Attest:

APPROVED AS TO FORM:

\_\_\_\_\_  
Town Clerk, June White CMC

\_\_\_\_\_  
Susan L. Trevarthen, Town Attorney

(CORPORATE SEAL)

# PERSPECTIVE RENDERING



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
**FLORIDA HIGHWAY BEAUTIFICATION COUNCIL**  
**GRANT APPLICATION**

**General Instructions:** Statutory requirements for the Florida Highway Beautification Council Grant Program are found in Section 339.2405, Florida Statutes. Within Rule Chapter 14-40, Florida Administrative Code, are sections dealing with the grant application process, grant award process, and funding, construction, and maintenance of beautification projects. These documents can be reviewed on Florida's Highway Beautification Programs website, <http://www.dot.state.fl.us/emo>.

Please complete all items in this application. All attached pages must be typed on 8 1/2 by 11 inch pages. Attached sketches, photographs, conceptual plans, and maps must be on sheets no larger than 24 x 36 inches. Any document larger than 8 1/2 x 11 inches must be folded. Rolled documents will not be forwarded to the Florida Highway Beautification Council.

To be eligible for a grant, ten copies of the completed application form and supporting documents must be received by the Grant Coordinator by the end of business on October 1. Late or incomplete applications will not be accepted. Please maintain a file with at least one copy, with original signatures, of all documents. Questions should be directed to the Grant Coordinator. A Directory of Grant Coordinators is posted on the program website.

**APPLICANT INFORMATION:**

Applicant Name: Town of LAUDERDALE-By-The-Sea  
 Contact Name: Pat Himmelberger  
 Position or Title: Assistant to the Town Manager  
 Address: 4501 W Ocean Dr., LBTS, FL 33308  
 Phone #: 954-640-4205 E-Mail Address: path@lbts-fl.gov  
 Federal Employer Identification (F.E.I.) Number of Applicant: 596002670  
 Participating Organization(s): \_\_\_\_\_

This application is for a grant in which fiscal year? (~~10-2004-05~~) 2012

**PROJECT INFORMATION:** Should be provided with the following supporting documents:

1. location map
2. photographs of existing conditions
3. one page written project narrative
4. written or graphic conceptual plan (in accordance with Rule Chapter 14-40 Part I)
5. one paragraph description of each evaluation attribute
6. photographs or sketches of examples of proposed improvements
7. list of proposed plant species (scientific and botanical names) and anticipated quantities
8. anticipated maintenance schedule
9. proposed means of providing supplemental water
10. project schedule
11. required resolutions

The following information is for use by the Council to score and rank the grant applications.

County: Broward City: Lauderdale-By-The-Sea  
 U.S. / S.R. #: S.R. 870 Local Name: Commercial Blvd.  
 Length of Project: 1.173 Feet (Miles or Feet)  
 From: M.P. 9.564 West Tradewinds Ave / Commercial Blvd.  
(Must indicate mileposts and visible landmarks, i.e. intersections)  
 To: M.P. 9.776 Seagrave Drive / Commercial Blvd.  
(Must indicate mileposts and visible landmarks, i.e. intersections)

**Summary of Eligible Grant Project Costs** (to be paid for by the Grant):

Sprinkler/irrigation system (purchase/install)	\$ <u>25,000.00</u>
Plant materials, fertilizer, soil amendments	\$ <u>75,000.00</u>
Labor for installation of the plantings	\$ <u>    </u>
<b>ESTIMATED TOTAL ELIGIBLE GRANT COSTS:</b>	\$ <u>100,000.00</u>

**Summary of Applicant Matching Project Costs** (Local Government Share, not including continuing maintenance):

Design fee (max 10% Total Project Cost)	\$ <u>N/A</u>
Plant materials	\$ <u>24,699.00</u>
Water (trucked or irrigation system)	\$ <u>53,362.00</u>
Labor for installation (include estimate of volunteer labor costs)	\$ <u>93,468.00</u>
Establishment period costs (labor etc.)	\$ <u>31,156.00</u>
Other (identify) _____	\$ _____
_____	
_____	
<b>ESTIMATED TOTAL APPLICANT MATCHING COSTS:</b>	\$ <u>202,685.00</u>

<b>ESTIMATED TOTAL PROJECT COST:</b>	\$ <u>302,685.00</u>
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**ANNUAL MAINTENANCE:** The following information is requested primarily for use by the applicant. The Florida Highway Beautification Council will review the data and compare it to the project conceptual plans in order to recommend funding for low maintenance projects.

**SUMMARY OF APPLICANT'S ANTICIPATED/ANNUAL MAINTENANCE COSTS:**

Water	\$ <u>2500.00</u>
Sprinkler/irrigation System	\$ <u>2000.00</u>
Landscaped Areas	\$ <u>30,000.00</u>
Safety	\$ <u>1,500.00</u>
<b>ESTIMATED TOTAL ANNUAL MAINTENANCE COST:</b>	\$ <u>26,000.00</u>

**APPLICANT ASSURANCES:** The person preparing this Application should initial each of the following to indicate that the Application is complete.

\_\_\_\_\_ If Applicant is a local Highway Beautification Council, evidence of local government approval of this application is attached. **(Resolution #1)**

\_\_\_\_\_ The local governing body agrees to execute necessary agreements that will include the details of the responsibilities of both the Department and the local government appropriate to this project if a grant is awarded. **(Resolution #2)**

\_\_\_\_\_ The Application is being transmitted to the **District Highway Beautification Council Grant Coordinator** having jurisdiction over the state highway on which the beautification project is proposed.

\_\_\_\_\_ All supporting documents are attached.

\_\_\_\_\_ The project will meet all the Department of Transportation requirements for safety pursuant to Rule 14-40.003, as related to the placement of plant materials within the right-of-way, line of sight obstructions, and sight distance.

\_\_\_\_\_ The local governing body **understands the attributes** to be used by the Highway Beautification Council to prioritize all projects (listed in the last section of this form), and has addressed each attribute to the maximum extent possible.

**The undersigned, hereby certifies that all requirements of the grant program are understood, and that all information provided with this grant application is true and correct, and represents the desires of the local government entity where the project will be installed.**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

**END OF APPLICANT SECTION**

This section to be completed by FDOT District Highway Beautification Council Grant Coordinator

Has this applicant been the recipient of previous grants from the Florida Highway Beautification Council?  
 Yes \_\_\_\_\_ No \_\_\_\_\_

If Yes, have previous grant projects been maintained according to terms of agreements?  
 Yes \_\_\_\_\_ No \_\_\_\_\_

If Yes, the applicant is eligible to submit the grant application.

Comments:

The Grant Coordinator verifies that the application was received from an eligible applicant on or before the October 1 application deadline, and that the application meets all of the requirements of Rule 14-40.020, Florida Administrative Code.

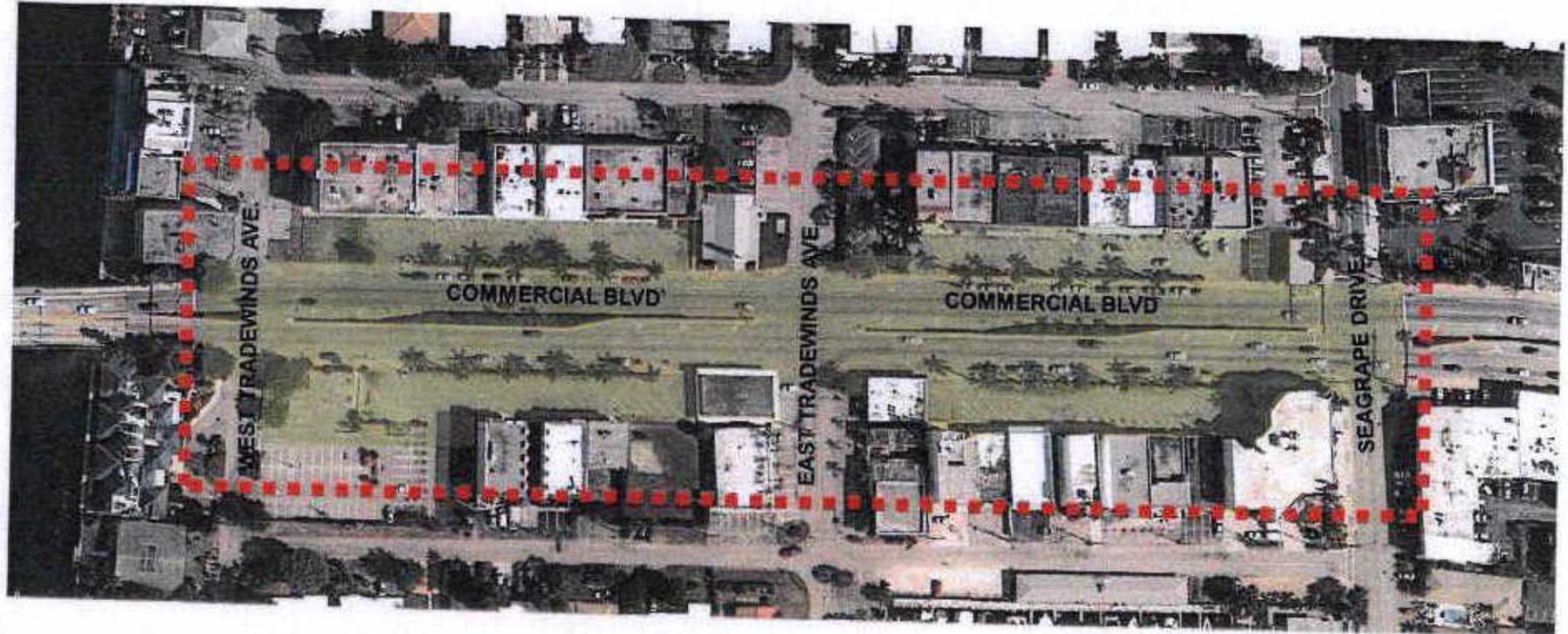
\_\_\_\_\_ Signature of Grant Coordinator                      \_\_\_\_\_ Date

By November 1, the Grant Coordinator shall send to the State Transportation Landscape Architect, via interoffice mail, eight copies of each application.

This section to be completed by each member of Florida Highway Beautification Council  
Each of the attributes listed below can earn up to Ten points.  
The application can earn up to 100 total points.

<b>Score</b>	<b>Attribute</b>
_____	1. Aesthetic value and imaginative concept
_____	2. Level of local support and community involvement
_____	3. Cost effectiveness
_____	4. Feasibility of installation and maintenance
_____	5. Contribution to improvement of environmental conditions, including litter prevention, erosion control, visual screening, and noise abatement
_____	6. Use of Florida native wildflowers, and diversity of other desirable native, hybrid native, or noninvasive plant species
_____	7. Emphasis on low maintenance and water conservation
_____	8. Use of recycled materials such as mulch, reuse water, or solid yard waste compost
_____	9. Contribution to an area wide or regional beautification plan
_____	10. Value to the community
_____	<b>Total Score</b>

# STUDY AREA



NORTH



ARCHITECTURAL ALLIANCE

SCHEMATIC DESIGN

COMMERCIAL BOULEVARD PROJECT

TOWN OF LAUDERDALE-BY-THE-SEA, FL.



# EXISTING CONDITIONS



LOOKING EAST FROM  
COMMERCIAL BRIDGE



W TRADEWINDS TO E TRADEWINDS  
(SOUTH SIDE / LOOKING EAST)



W TRADEWINDS TO E TRADEWINDS  
(NORTH SIDE / LOOKING EAST)



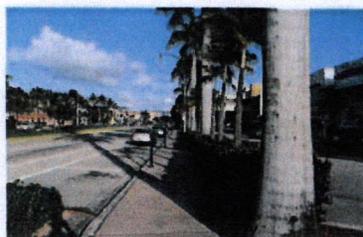
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(NORTH SIDE / WALKWAY NORTH)



W TRADEWINDS TO E TRADEWINDS  
(NORTH SIDE / LOOKING WEST)



E TRADEWINDS TO SEAGRAPE  
(NORTH SIDE / LOOKING WEST)



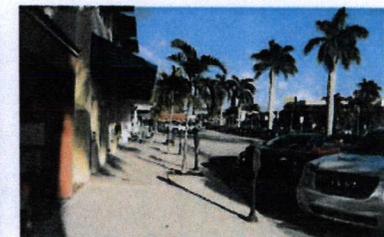
COMMERCIAL STREETSCAPE SOUTH  
SIDE (LOOKING EAST)



TRADEWINDS EAST TO SEAGRAPE  
(SOUTH SIDE)



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(NORTH SIDE / LOOKING EAST)



E TRADEWINDS TO SEAGRAPE  
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(WALKWAY LOOKING NORTH)



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( NORTH SIDE)



E TRADEWINDS TO SEAGRAPE  
( SOUTH SIDE / LOOKING EAST)



COMMERCIAL AND SEAGRAPE  
( LOOKING EAST)

## **TOWN OF LAUDERDALE-BY-THE-SEA FLORIDA HIGHWAY BEAUTIFICATION COUNCIL GRANT APPLICATION**

### **Project Narrative- Commercial Boulevard Streetscape**

In an effort to promote the Town as a tourist destination, entice new business development and create a more attractive landscape that supports existing retailers, Lauderdale-By-The –Sea (LBTS) has designed exciting streetscape projects at either end of Commercial Boulevard which will dramatically enhance a visitor's experience. The Town is submitting a landscape design for funding of the proposed plants and irrigation in the western Commercial Boulevard Streetscape. This design has been reviewed by FDOT and received preliminary approval.

LBTS has been a tourist destination since Anglin's Pier was built in the 1940's. A 2004 Lauderdale-By-The-Sea Master Plan proposed gateways signifying arrival into the Town defined by specialty paving, bold and colorful landscaping and plantings, lighting and signature features. The plan noted that "the Commercial Boulevard streetscape from West Tradewinds Avenue to Seagrape Drive is characterized by two travel lanes in each direction with turning lanes at select intersections. The travel lanes are divided by a landscaped median and parallel, on-street parking flanks the travel lanes on each side of the street. There are sidewalks on each side of the road which are separated from the existing parking lots by a narrow planting strip, consisting of ground cover and palm trees. The relationship between vehicles and pedestrians and bicyclists is strained, as traffic moves at a fast pace along Commercial Boulevard, and there are few formal, well-defined pedestrian crosswalks. "

These conditions continue today. In 2011, the Town recommitted to implement the Master Plan. The Town hosted a University of Miami School of Architecture Community Workshop which focused on 5 study areas, one of which was the Commercial Boulevard gateway. This week long event included a Saturday citizens' input workshop, 2 dozen site visits/meetings with business and property owners, dozens of citizen visits to the open studio throughout the week and a fine public presentation.

The workshop recommended the design of streetscape improvements along Commercial Boulevard to create a safer, attractive, high quality corridor. The study proposed the installation of more dramatic landscaping in the median and along the boulevard which might also serve as traffic calming allowing for a safer experience for cars, bicyclists and pedestrians. The Town Commission hired Architectural Alliance to create a streetscape design from West Tradewinds Avenue to Seagrape Drive utilizing the UM Study results as a beginning point for the design.

The proposed landscape plan emphasizes the Town's subtropical beachside setting through the use of Coconut, Veitchia, Sabals and Thatch Palms in groupings that are accented by small flowering tropical specimens. Emphasis has been placed on creating a variety of frond shapes, leaf textures and flowering color. The landscape will transform the user environment from an urban cityscape to a seaside tropical oasis on the east side of the Intracoastal bridge. The use of plant material that requires very little pruning or fertilizer played significantly into the species selection. Drought tolerant plant material has been used consistently for the species palette.

This landscape beautification project is extremely important to the Town of Lauderdale-By-The-Sea as it will enhance the main gateway to the Town on this corridor of Commercial Blvd. and will create a distinct "sense of place" for travelers to this seaside hamlet.

## **EVALUATION ATTRIBUTES**

### 1. **Aesthetic Value and Imaginative Concept**

The proposed landscape plan creates a South Florida beachside setting through the use of Coconut, Veitchia, Sabals and Thatch Palms in groupings that are accented by small flowering tropical specimens. Emphasis has been placed on creating a variety of frond shapes, leaf textures and flowering color. The landscape is meant to transform the users environment from an urban cityscape to a seaside tropical oasis on the east side of the Intracoastal bridge.

### 2. **Level of Local Support and Community Involvement**

Numerous meetings with the retail shop owners, property owners and local residents have been conducted at the Town Hall. Town Staff, the Town Commission and stakeholders have been very involved in the design process. The design has been presented and discussed at Town Commission meetings four (4) times. The project has received approval by the Commission and had a huge amount of support from the community. We have included letters of support from local businesses and the Garden Club of Lauderdale-By-The-Sea.

### 3. **Cost Effectiveness**

Every effort has been made to preserve existing plant material such as Royal Palms that have survived well in this environment . The sizes of shrubs and ground covers are kept to a minimum with trees and palms specified to create a big impression without using costly specimens.

### 4. **Feasibility of Installation and Maintenance**

Native and Florida friendly plant specimens have been used to eliminate the need for fertilizer, pest treatments or excessive watering. Modifications will be made to the existing irrigation system to limit the expense of new work.

### 5. **Contribution to Improvement of Environmental Conditions, Including Litter Prevention, Erosion Control, Visual Screening and Noise Abatement**

The proposed planting and hardscape treatments will have litter receptacles at each proposed crosswalk and along the sidewalks adjacent to Commercial Blvd. All pervious surfaces will be graded and planted for maximum erosion control and minimal runoff. The parking lots bordering Commercial Blvd. will be screened with native hedge material to a height of 42" with palms and trees for visual screening and noise abatement to the retail shops and restaurants.

### 6. **Use of Florida Native Wildflowers and Diversity of Other Desirable Native, Hybrid Native or Non-Invasive Plant Material**

All the plant material provided is either native, hybrid-native or non-invasive.

7. Emphasis on Low Maintenance and Water Conservation

The use of plant material that requires very little pruning or fertilizer played significantly into the species selection. Drought tolerant plant material has been used consistently for the species palette.

8. Use of Recycled Materials Such as Mulch, Re-use Water, or Solid Yard Waste Compost

Recycled mulch and solid yard waste composting will be used on this landscape project.

9. Contribution to an Area Wide or Regional Beautification Plan

The Town of Lauderdale-By-The-Sea is currently undertaking two (2) street beautification projects covering four (4) blocks of Commercial Blvd. coordinating plant materials, hardscape paving, street furniture and lighting for continuity between projects. For this grant we are applying for funding for plants and irrigation for the western Commercial Boulevard Streetscape.

10. Value to the Community

This landscape beautification project is extremely important to the Town of Lauderdale-By-The-Sea as it will enhance the main gateway to the Town on this corridor of Commercial Blvd. and will create a distinct "sense of place" for travelers to this seaside hamlet. It will also slow them down and invite them to shop at the retail stores and dine at the restaurants along the corridor. The current landscape is dated and the visitor's first impression of the Town is a swath of asphalt with a touch of greenery as they speed past the aging retail centers on both sides of the road. This streetscape project, of which the landscaping is a very significant element, will transform the user environment from an urban cityscape to a seaside tropical oasis on the east side of the Intracoastal Bridge.



**SERVING SOUTH FLORIDA SINCE 1995**

September 13, 2012

Town of Lauderdale by the Sea  
4501 N. Ocean Drive  
Lauderdale-by-the-Sea, FL 33308

Re: Commercial Boulevard Streetscape

To Whom It May Concern:

As you know our company has had our store front business in the town of Lauderdale by the Sea for the past thirteen years and we are excited to see the streetscape project get underway. This project will benefit both the businesses and residents by providing a beautifully new designed streetscape as well as attracting new customers and businesses on Commercial Boulevard. I am glad that we were able to meet with the designer's several times to provide our ideas and suggestions for this project.

We look forward to seeing the completed streetscape of Commercial Boulevard and the beautification it will bring to the town of Lauderdale by the Sea.

Thank you,

Amy Weiss  
Office Manager

**229 Commercial Blvd. Suite B; Lauderdale by the Sea, FL 33308**  
**Phone: (954) 491-9779 FAX: (954) 491-9221**

September 18, 2012

Town of Lauderdale-By-The-Sea,

The Garden Club of Lauderdale-By-The-Sea fully supports all Town efforts to beautify the landscaping along Commercial Boulevard thus creating a wonderful, green gateway as visitors enter the Town. We have been instrumental in planting memorial trees throughout the Town. We maintain a memorial garden at Town Hall. We also work to send junior gardeners to Camp Wikiva yearly to promote a greater understanding and stewardship of the environment they live in.

The Garden Club supports the submission of the application for landscape improvements in the Commercial Boulevard project to the Florida Highway Beautification Council.

Sincerely,

A handwritten signature in cursive script, reading "Marilyn Carr". The signature is written in black ink and is positioned to the right of the word "Sincerely,".

Marilyn Carr  
President



4244 EL MAR DRIVE  
LAUDERDALE-BY-THE-SEA, FLORIDA 33308-5497  
(954) 776-4232 • FAX: (954) 351-9153  
E-MAIL: [info@windjammerresort.com](mailto:info@windjammerresort.com)  
WEBSITE: [windjammerresort.com](http://windjammerresort.com)

September 18, 2012

Ms Connie Hoffman, Town Manager  
Town of Lauderdale-By-The-Sea  
4501 N. Ocean Drive  
Lauderdale-By-The-Sea, FL 33308

RE: Commercial Blvd Streetscape and landscaping project

Dear Connie,

Since the Windjammer Resort has been in our family for over 30 years, we are compelled to let you know how ecstatic we are that our Town is embarking on this timely and much needed beautification and modernization project along the gateways to our Town.

In order to stay competitive with other vacation destinations in regards to attracting tourists, our Town must meet and exceed the expectations of our guests. Being in the hospitality business we know that tourist expectations are more stringent and by proceeding with the proposed streetscape design with its welcomed landscaping, it will make our Town significantly more attractive and truly pedestrian friendly. We are certain that it will enable our Town to achieve the higher requirements of today's tourist, especially the much sought after foreign visitors.

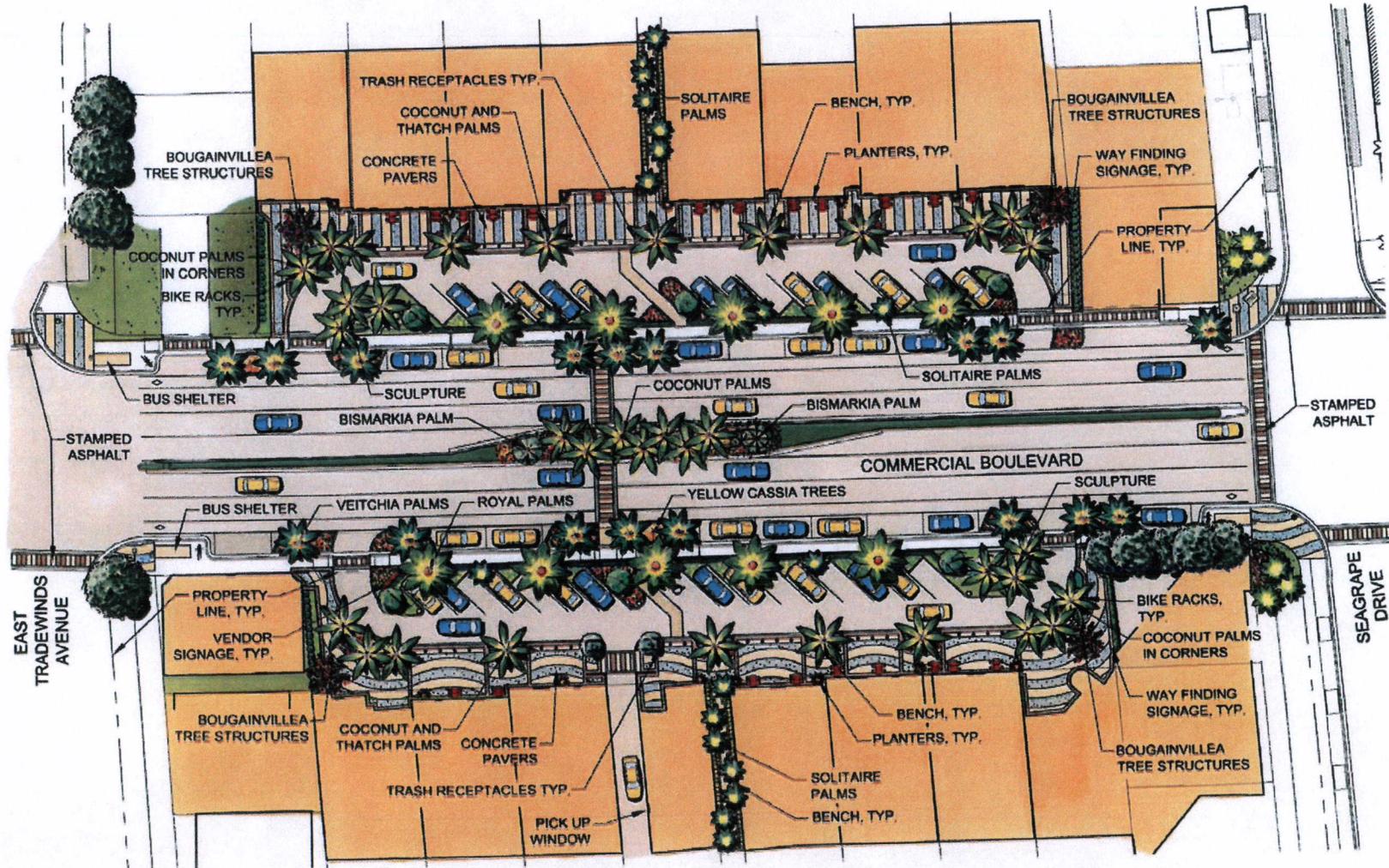
Thank you to the Commissioners and their vision, to you and your staff for the enormous amount of work and effort and to all the contributors to this exciting project.

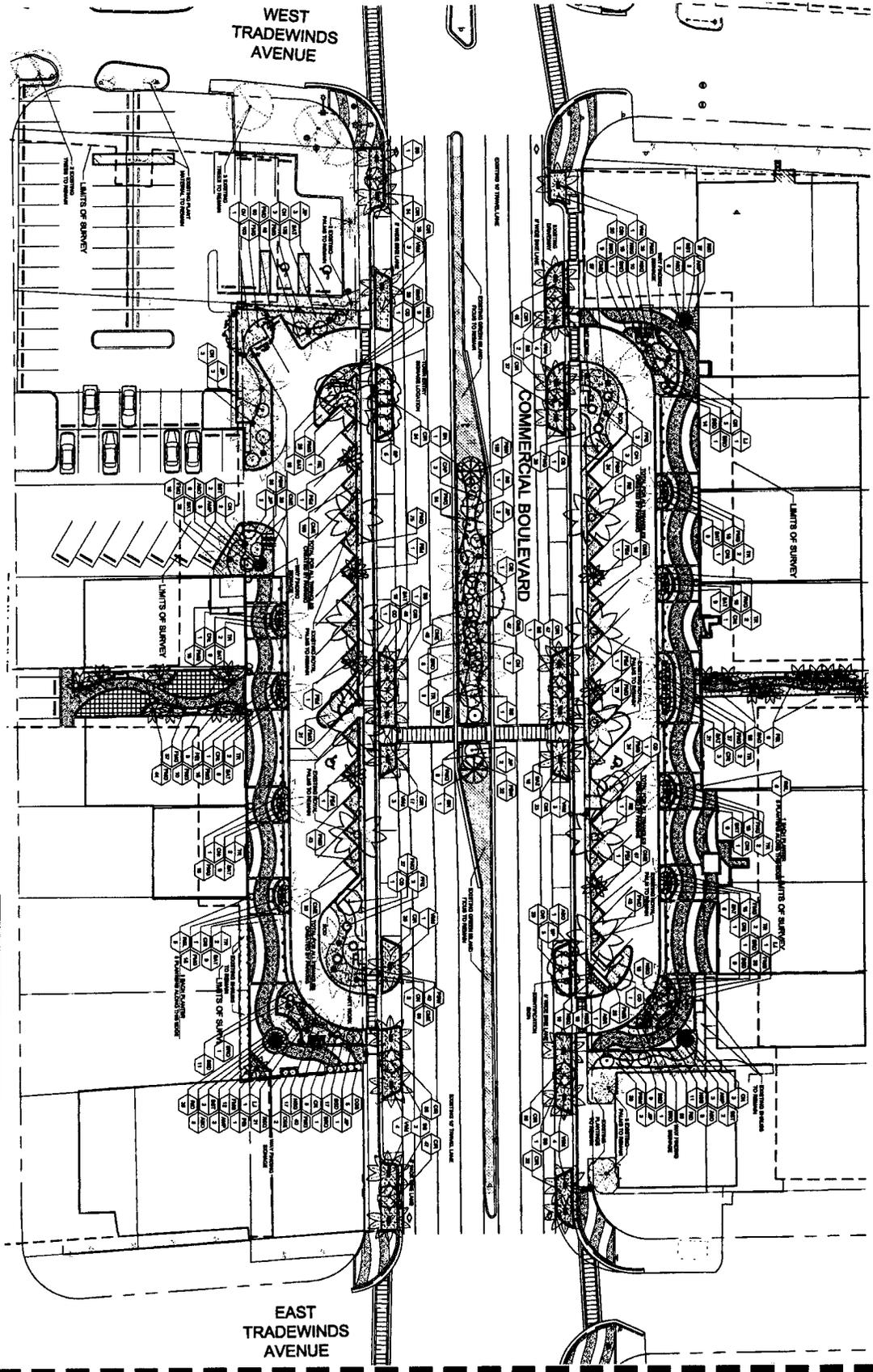
Our sincere regards,

A handwritten signature in black ink that reads "John Boutin". The signature is fluid and cursive, with a large initial "J".

John Boutin, CMCA, LCAM  
General Manager

# ENLARGED PLAN





SHEET LOCATION MAP



North  
Scale: 30'-0" = 1"

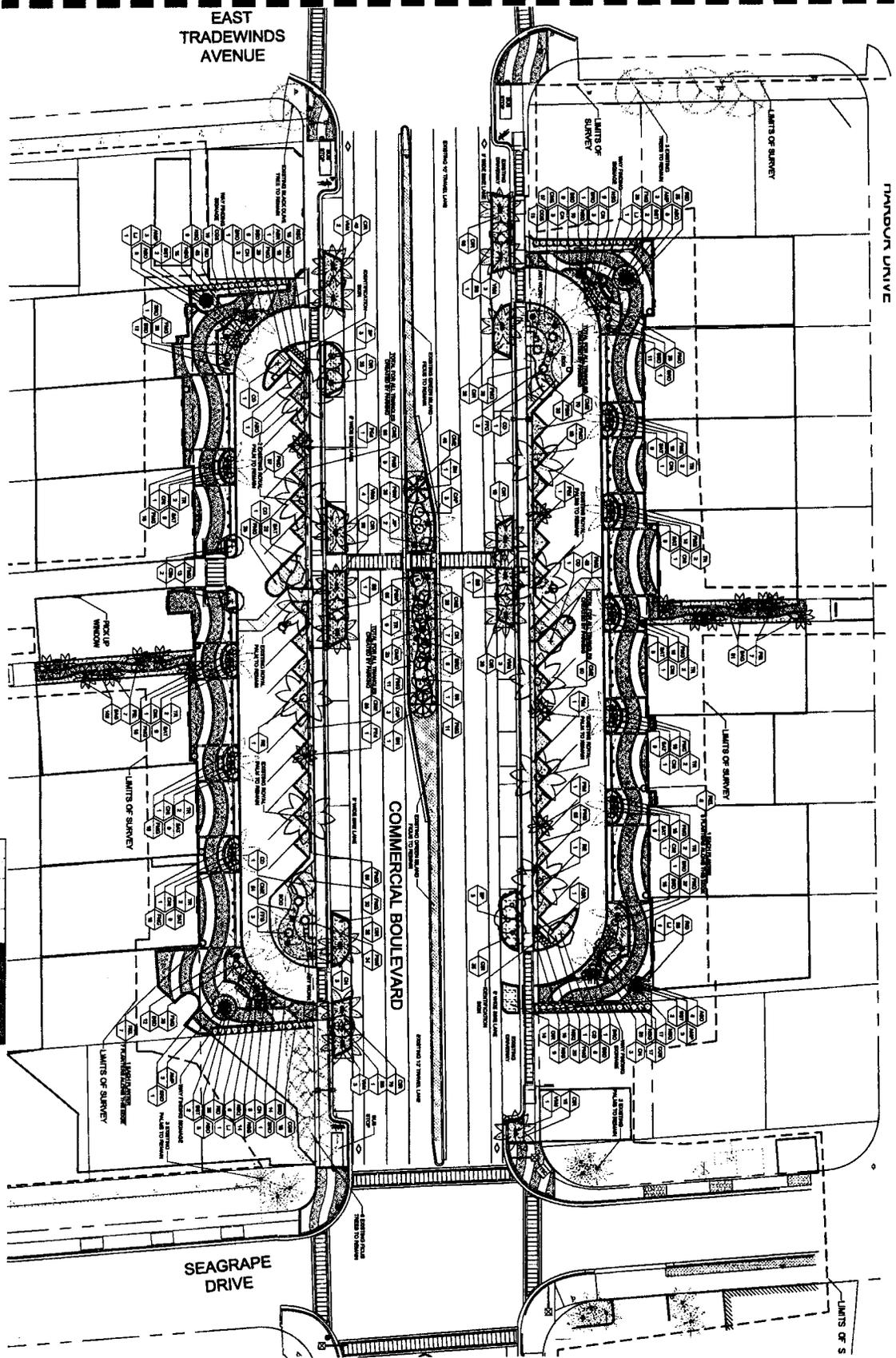


MATCH LINE SHEET LP-1 TO LP-2

**FEBS**  
 FIRM ENGINEERING SERVICES, P.A.  
 CIVIL ENGINEERS

<b>LP-1</b> Sheet 1 of 3	Project Number 1224	Revision Dates 6-28-12	Sheet Description Landscape Plan	Landscape Plan <b>Commercial Blvd. Project</b> The Town of Lauderdale-By-The-Sea, Florida	ARCHITECTURE LANDSCAPE ARCHITECTURE LAND PLANNING SURVEY DESIGN GOVERNMENTAL PROCESSING <b>ARCHITECTURAL ALLIANCE</b> <small>10000 UNIVERSITY AVENUE, SUITE 100, AUSTIN, TEXAS 78758-1000          TEL: 512-476-1000 FAX: 512-476-1001 WWW: ARCHITECTURALALLIANCE.COM</small>	HUGH JOHNSON RLA #0000237	Revision Dates _____
	Client Name _____	Project Name _____	Date _____	Location _____	ARCHITECTURAL ALLIANCE	_____	

MATCH LINE SHEET LP-2 TO LP-1



North  
Scale: 20'-0" = 1"



<p><b>LP-2</b> Sheet 1 of 3</p>	<p>Project Number 1224</p>	<p>Revision Dates</p>	<p>HUGH JOHNSON PLA 0000257</p>	<p>ARCHITECTURE LANDSCAPE ARCHITECTURE LAND PLANNING INTERIOR DESIGN GOVERNMENTAL PROCESSING</p> <p><b>ARCHITECTURAL ALLIANCE</b></p> <p>ONE 1000 POLYMER DRIVE, SUITE 1000, LAUDERDALE, FLORIDA 33309 TEL: 954-344-4444 FAX: 954-344-4444 WWW.AAALLIANCE.COM</p>
	<p>Contract Number 1224</p>	<p>Revision Dates</p>	<p>Sheet 1224</p>	
<p>Project Name <b>Commercial Blvd. Project</b></p>		<p>Client The Town of Lauderdale-By-The-Sea, Florida</p>		
<p>Project Location Lauderdale-By-The-Sea, Florida</p>		<p>Project Number 1224</p>		



**PLANT LIST COMMERCIAL BLVD. STREETScape**

Code	Drought	QTY.	Botanical Name / Common Name	Unit Price	Total
<b>TREES / PALMS</b>					
BN	V	4	Bismarckia nobilis 'Silver' / Bismarck Palm	\$247.50	\$990.00
CSt	v	1	Ceiba speciosa / Floss Silk Tree	\$247.50	\$247.50
CD	(N) V	12	Coccoloba diversifolia / Pigeon Plum	\$132.00	\$1,584.00
CEs	(N) V	2	Conocarpus erectus sericeus / Silver Buttonwood	\$118.80	\$237.60
CNt	V	20	Cocos nucifera / Green Maypan Coconut Palm	\$396.00	\$7,920.00
CN	V	55	Cocos nucifera / Green Maypan Coconut Palm	\$220.00	\$12,100.00
LJ	M	7	Ligustrum japonicum / Tree Ligustrum	\$247.50	\$1,732.50
PEd	V	12	Ptychosperma elegans / Solitaire Palm	\$137.50	\$1,650.00
PEt	V	32	Ptychosperma elegans / Solitaire Palm	\$165.00	\$5,280.00
QV	(N) V	1	Quercus virginiana / Live Oak	\$440.00	\$440.00
RE	(N) M	5	Roystonea elata / Florida Royal Palm	\$770.00	\$3,850.00
REL	M	26	Rhapis excelsa / Lady Palm	\$49.50	\$1,287.00
SP	(N) V	14	Sabal palmetto / Cabbage Palm	\$71.50	\$1,001.00
SS	M	15	Senna surattensis / Glaucous Cassia	\$88.00	\$1,320.00
TR	(N) V	48	Thrinax radiata / Florida Thatch Palm	\$176.00	\$8,448.00
VMd	V	44	Veitchia montgomeryana / Montgomery Palm	\$198.00	\$8,712.00

**ACCENTS / SHRUBS / GROUND COVERS**

ABO	M	64	Aechmea blanchetia 'Burnt Orange' / Giant Orange Vase	\$13.20	\$844.80
AMP	M	22	Aechmea 'Malva' / Giant Purple Vase	\$8.25	\$181.50
ASR	M	3	Andropolis skinerii / Giant Red Bromeliad	\$13.20	\$39.60
BSD	V	160	Bougainvillea spp. / Dwarf Bougainvillea Shrub	\$4.95	\$792.00
BST	V	16	Bougainvillea sp. / Red Bougainvillea	\$55.00	\$880.00
CAP	V	9	Crinum augustum / Purple Queen Emma Lilly	\$22.00	\$198.00
CGS	(N) V	69	Clusia guttifera / Small Leaf Clusia	\$22.00	\$1,518.00
CIR	(N) M	1060	Chrysobalanus icaco 'Horizontalis' / Creeping Cocoplum	\$4.13	\$4,372.50
CME	V	1046	Carissa macrocarpa 'Emerald Blanket' / Dwarf Carissa	\$4.40	\$4,602.40
EMD	V	37	Euphorbia milii 'Short & Sweet' / Dwarf Red Crown of Thorns	\$2.75	\$101.75
FFG	V	12	Furcraea foetida / Giant False Agave	\$44.00	\$528.00
FMG	V	1273	Ficus microcarpa / Green Island Ficus	\$5.50	\$7,001.50
JIP	M	20	Jatropha integerrima / Jatropha	\$44.00	\$880.00
NSG	V	149	Neoregelia sp. 'Gazpacho' / Gazpacho Bromeliad	\$5.50	\$819.50
NSQ	V	141	Neoregelia sp. 'Tequila' / Tequila Bromeliad	\$5.50	\$775.50
PMD	M	541	Podocarpus macrophyllus / Podocarpus	\$22.00	\$11,902.00
PSW	M	506	Pennisetum setaceum / White Fountain Grass	\$3.85	\$1,948.10
RID	V	291	Rhaphiolepis indica 'Dwarf' / Dwarf Indian Hawthorn	\$4.68	\$1,360.43
SAG	M	288	Schefflera arboricola / Green Dwarf Schefflera	\$4.13	\$1,188.00
SAT	M	399	Schefflera arboricola 'Trinette' / Tricolor Schefflera	\$4.13	\$1,645.88
SRO	M	24	Strelitzia reginae / Orange Bird of Paradise	\$55.00	\$1,320.00

- (N) Florida Native Plant Species
- L Low Drought Tolerance
- M Moderate Drought Tolerance
- V Very Drought Tolerant

<b>TOTAL</b>					\$99,699.05
<b>INSTALLATION</b>					\$124,624.00
<b>IRRIGATION</b>		(Parts and Installation)			\$78,362.00
<b>GRAND TOTAL</b>					\$302,685.05

**COST ESTIMATE**

LAUDERDALE-BY-THE SEA  
COMMERCIAL BOULEVARD STREETScape

**COST ESTIMATE**

**Lauderdale by the Sea - Commercial Blvd. Streetscape Cost Estimates**

<b>LANDSCAPING</b>	<b>Description</b>	<b>Total Price</b>
	Trees, Palms, Shrubs & Groundcover	<b>\$99,699.00</b>
	Installation(Cost of plant X1.25)	<b>\$124,624.00</b>
	(Warranty and One Year Maintenance = .50 of the 1.25 multiplier or \$31,156 )	
<b>TOTAL</b>		<b>\$224,323.00</b>
<b>IRRIGATION</b>	.30 X Total Cost of Installed Plants	<b>\$78,362.00</b>
	(Includes parts and installation)	
<b>GRAND TOTAL</b>		<b>\$302, 685.00</b>

## **MAINTENANCE SCHEDULE**

### **LAUDERDALE BY THE SEA COMMERCIAL STREETSCAPE**

#### **Part I Lawn Maintenance Consideration**

**A. Mowing, Edging and Trimming:** All turf areas shall be mowed as needed so that no more than 1/3 of the leaf blades are removed per mowing. Mowing shall be with a (reel/rotary/or mulching) mower. Mower blades will be sharp at all times to provide a quality cut. Mowing height will be according to grass type and variety. Clippings will be left on the lawn as long as no readily visible clumps remain on the grass surface 36 hours after mowing. Otherwise, large clumps of clippings will be distributed by mechanical blowing or collected and removed by the contractor. In the case of fungal disease outbreaks, clippings will be collected until the disease is undetectable.

Tree rings and plant beds and all buildings, sidewalks, fences, driveways, parking lots and other surfaced areas bordered by grass will be edged every other mowing. Turf around sprinkler heads will be trimmed or treated with a non-selective herbicide so as to not interfere with or intercept water output. Isolated trees and shrubs growing in lawn areas will require mulched areas around them (minimum 2- foot diameter) to avoid bark injury from mowers and filament line trimmers and to reduce root competition from grass. Such mulched areas will be charged to the customer. Contractor will clean all clippings from sidewalks, curbs and roadways immediately after mowing and/or edging. Clippings will not be swept, blown, or otherwise disposed of in sewer drains.

**B. Fertilization:** All turf areas shall be fertilized as per the maintenance specifications attached. Complete fertilizers shall be granular in composition and contain 30% to 50% of the nitrogen in a slow or controlled release form. The ratio of nitrogen to potash will be 1:1 or 2:1 for complete fertilizer formulations. Phosphorus shall be no more than    of the nitrogen level. They shall also contain magnesium and micronutrients (i.e. manganese, iron, zinc, copper, etc.). Fertilizer will be swept off of walks and drives onto lawns or beds. After fertilization, a minimum of 2 inches of water will be applied by the client.

**C. Pest Control:** The contractor will inspect lawn areas each visit for indications of pest problems and advise the client or representative of such problems.

Upon confirmation of a specific problem requiring treatment, pesticides will be applied as needed on a spot treatment basis, whenever possible, using the least toxic, effective pesticide. All spraying of pesticides and fertilizer applications will be performed when temperatures are below 90° F and wind drift negligible. No pesticide will be applied to turf areas without the express approval of the client. This includes weed and feed formulations. Records will be kept on pests identified and treatment(s) rendered for control.

Pesticide applications will be made in accordance with the rules and regulations governing use of pesticides in Florida. Posting and notification of pesticide sensitive persons will be done.

## Part II Landscape Plant Maintenance Considerations: Trees, Palms, Shrubs, Ground Covers

A. Fertilization: Ornamental shrubs, trees and ground covers planted less than three (3) years shall be fertilized four (4) times per year. Applications shall be made during the months of February, April, June and October. Shrubs, trees and ground covers more than three (3) years old in the landscape shall be fertilized two (2) times a year in March and September. Rate will be one (1) pound of nitrogen per 1,000 square feet of application. Mature palms in the landscape shall be fertilized four (4) times per year at a rate of \_ pound per 2 feet of height, up to 15 lbs. Palms under 8 feet tall will receive 2-5 pounds per application 4 times per year.

All fertilizers should contain equal amounts of nitrogen and potassium and at least 30% of both elements should be available in slow release form. The fertilizer should also contain magnesium and a complete micronutrient amendment. The fertilizer analysis shall be similar to 8-2-8, 10-5-10 and 12-4-12.

Established shrubs and trees in lawn areas exposed to lawn fertilizations will not be fertilized supplementally. Fertilizer applied to shrubs and trees planted in beds shall be broadcasted over the entire plant bed. Fertilizer may be punched into the soil on berms and slopes where runoff is likely.

Nutrient deficiencies shall be treated with supplemental applications of the specific lacking nutrient according to University of Florida Cooperative Extension recommendations.

B. Pest Control: Contractor shall practice Integrated Pest Management (IPM) to control insects, diseases, and weeds on and around perennials, ground covers, shrubs, vines and trees. This will include frequent monitoring and spot treatment as necessary using least toxic methods. All spraying will be performed when temperatures are below 90° F and when wind drift is negligible. First choice will be insecticidal soaps, horticultural oils and biological controls such as *Bacillus thuringiensis* (Bt) formulations. Weeds in beds or mulched areas will usually be removed mechanically or by hand. Upon client approval, herbicides may be employed for heavy weed infestations.

C. Pruning: Shrubs will be pruned with hand shears as needed to provide an informal shape, fullness, and bloom. Tree and palm pruning will be done once (1) per year and is limited to branches and /or brown fronds and seed heads below 20 feet in height. No green palm fronds shall be removed. All litter will be removed by the contractor. No trees under utility lines will be pruned and no pruning will be done during or immediately following growth flushes. Branches will be pruned just outside the branch collar. Pruning paint will not be applied. Sucker growth will be removed by hand from the base of trees. No herbicides will be used for this purpose.

D. Mulching: All mulched areas will be replenished once a year during the winter months (Nov Feb). Mulch should be maintained at a depth of three (3) inches. All curb, roadway and bed line edges will be trenched to help contain the applied mulch.

### Part III Considerations for Optional Services

A. Irrigation Systems: The contractor shall inspect and test all components and zones in the irrigation system monthly and shall reset zone times according to seasonal evapotranspiration changes. Minor adjustments and repairs such as head-emitter cleaning or replacement, filter cleaning, small leaks, and minor timer adjustments shall be made by the contractor, with the client paying for parts. Once a year the contractor will recalibrate each zone following Cooperative Extension Service recommendations. During weekly maintenance, the contractor will note and report to client any symptoms of inadequate or excessive irrigation, draining problems, etc.

Repairs or system beyond the above scope will be charged to the client at an hourly rate per person plus parts. The contractor will notify the client or client's agent, of the nature of the problem before repairs are made.

B. Thatch Removal/Scalping: Removal of thatch (a spongy, build-up of dead and living grass shoots, stems and roots) should be considered when thatch thickness exceeds one inch. The best time for thatch removal is March through August when the turfgrass is rapidly growing. Thatch removal is in addition to the basic contract charges.

Verticutting, using a vertical mower, is the recommended method of mechanically removing thatch from Bermuda, St. Augustine and Centipede lawns. Blade spacing shall be 3" for St. Augustine and Bahia grass, 2-3" for Centipedegrass and 1-2" for Bermuda and Zoysiagrass.

Fertilization with a soluble nitrogen source at 1 pound per nitrogen per 1000 square feet will be applied one week after dethatching. Scalping (close mowing) is not a substitute for vertical mowing and is not recommended for this purpose.

**COMMERCIAL BOULEVARD STREETScape PROJECT SCHEDULE - LAUDERDALE-BY THE- SEA**

<b>JANUARY</b>	<b>CONSTRUCTION DOCUMENTS COMPLETED, BID PROJECT</b>
<b>MARCH</b>	<b>AWARD PROJECT</b>
<b>APRIL/MAY</b>	<b>CONSTRUCTION BEGINS</b>
<b>AUGUST/SEPTEMBER</b>	<b>CONSTRUCTION COMPLETED</b>