



City of
**DEERFIELD
BEACH**

COMMUNITY REDEVELOPMENT AGENCY

AGENDA

Tuesday, January 13, 2015, 6:30 P.M.
City Commission Chambers, Deerfield Beach City Hall

CALL TO ORDER AND ROLL CALL

APPROVAL OF MINUTES*

December 15, 2014

APPROVAL OF THE AGENDA*

GENERAL ITEMS

1. [Presentation regarding Sullivan Park 90% construction drawings*](#)
2. [Request for Board direction regarding revenue generating activities at the Sullivan Park Marina*](#)

BOARD/ADMINISTRATION COMMENTS

[Expense report, pursuant to CRA Resolution 2011-011](#)

PUBLIC INPUT

ADJOURN

* Indicates an Action Item

Next Meeting: Tuesday, February 10, 2015, 6:30 PM unless otherwise determined



**Deerfield Beach Community Redevelopment Agency
MEETING MINUTES**

Monday, December 15, 2014, 6:30 P.M.
City Commission Chambers, Deerfield Beach City Hall

The meeting was called to order by Chair Robb at 6:29 p.m. on the above date in the City Commission Chambers, City Hall.

Roll Call:

Present: Mr. Bill Ganz
Mr. Joseph Miller
Mr. Richard Rosenzweig
Vice Chair Ben Preston
Chair Jean M. Robb

Also Present: Burgess Hanson, City Manager
Andrew Maurodis, City Attorney
Heather Montemayor, Assistant to the City Clerk

Absent: None

APPROVAL OF MINUTES

DIGITAL TIME STAMP: 6:31:35

November 12, 2014

MOTION was made by Mr. Rosenzweig and seconded by Vice Chair Preston to approve the November 12, 2014 minutes as submitted. Voice Vote: YEAS: Mr. Ganz, Mr. Miller, Mr. Rosenzweig, Vice Chair Preston and Chair Robb.

APPROVAL OF THE AGENDA

DIGITAL TIME STAMP: 6:31:44

December 15, 2014

MOTION was made by Mr. Miller and seconded by Mr. Rosenzweig to approve the November 12, 2014 agenda as submitted. Voice Vote: YEAS: Mr. Ganz, Mr. Miller, Mr. Rosenzweig, Vice Chair Preston and Chair Robb.

GENERAL ITEMS

ITEM 1

DIGITAL TIME STAMP: 6:30:00

CRA Resolution 2014/014 - A Resolution of the Community Redevelopment Agency of the City of Deerfield Beach, Florida, approving RJC Hillsboro, Number INC.'s request for commercial façade improvement grant funding for 1300 East Hillsboro Boulevard for and amount not to exceed \$94,800.

GENERAL ITEMS - CONTINUED

Kris Mory, CRA Director, explained that Item 1 is a request for \$94,800 to approve commercial funding for RJC Hillsboro Inc. The applicant is proposing a \$375,000 renovation of the building, interior and exterior. Furthermore, \$212,000 of the exterior renovation is qualified for reimbursement.

Thereafter, Ms. Mory said the funding amount is derived from the program policies, which is calculated by the linear feet of the first and second stories of the building. Ms. Mory stated that this is the first building on the block to participate in this program and is adjacent to the recent completion of the SE 15th Avenue/Cove Gardens Project.

MOTION was made by Mr. Miller and seconded by Mr. Rosenzweig to approve Item 1, adopted CRA Resolution 2014/014. Roll Call: YEAS: Mr. Ganz, Mr. Miller, Mr. Rosenzweig, Vice Chair Preston and Chair Robb.

BOARD/ADMINISTRATION COMMENTS

DIGITAL TIME STAMP: 6:32:43

CRA Director - Kris Mory - Ms. Mory introduced Ashlee Temple, Administrative Coordinator, for the CRA. Thereafter, Ms. Mory outlined Ms. Temple's background.

PUBLIC INPUT

There were no comments from the public.

ADJOURNMENT:

There being no further business, the meeting adjourned at 6:33 p.m.

JEAN M. ROBB, CRA CHAIR

ATTEST:

Samantha Gillyard, CMC, City Clerk

REQUESTED ACTION:

The project manager from Bermello Ajamil will make a presentation to the Board of Directors regarding the 90% design plans for Sullivan Park. The Board asked to approve the 90% Sullivan Park plans and direct staff to proceed with permitting.

SUMMARY EXPLANATION/BACKGROUND:

The Sullivan Park redevelopment project has reached the 90% design stage. A condensed set of plans is attached to this item. The plans are substantially complete and, with the direction of the CRA Board, will be fully completed and submitted for permitting.

The design continues to preserve the layout and intent of the approved master plan and 50% drawings and incorporates the CRA Board's direction regarding parking furniture, fixtures and finishes. The 90% plans incorporate the second round of Development Review Committee (staff) comments.

The site plan was presented at the January 7th Community Appearance Board and approved unanimously and will be presented to the Planning and Zoning Board for approval on February 5th.

The plans were again analyzed by Construction Management Services to prepare an updated 90% cost estimate which is attached to this item. At the 50% design stage, the project was estimated to cost \$4.9 million and now at the 90% design stage, the cost is estimated at \$4.7 million. This figure does not include the cost for FPL to relocate overhead power lines underground (+/- \$200,000), relocation of a water main (+/- \$50,000) and improvements to the area under Hillsboro Bridge. The 90% cost estimate includes a 5% design contingency totaling approximately \$225,000. Therefore, the project cost is largely unchanged from the 50% design. The area under Hillsboro Bridge has not yet been designed or included in the current cost estimate and will be designed in partnership with the Florida Department of Transportation as part of the permitting and lease agreement process required for the parking lot and stair case tower.

Staff will be applying to the Florida Inland Navigation District for the Waterways Assistance Program Phase 2 (Construction) funding. Applications are due April 1 and, if awarded, funds would be available on October 1st. According to program guidelines, approximately \$1.8 million of the construction costs are eligible for reimbursement from FIND. FIND will not reimburse for items such as landscaping, irrigation, playgrounds and the interactive water feature. Assuming a grant is awarded and the estimated eligible expenses are reimbursed, the total cost to the CRA, not including associated professional services and administration costs is estimated at \$3.2 million.

Due to the complexity of the project and the environmentally sensitive marine location, it is recommended that the project be bid in a two-step process. Step one would pre-qualify potential bidders to ensure that firms interested in bidding are experienced with similar projects. Only firms that meet qualification standards will be invited to bid on the construction contract. Step two would be a subsequent low bid process among the pre-qualified firms. If this process is approved, the pre-qualification process would begin immediately and qualified bidders would be presented to the CRA Board for approval in April and the bid and contract will be brought back to the CRA Board for action in July. Construction is estimated to commence in October.

There is no specific budget impact at this time, however, adequate funds are available in account 360-8000-552-61-04 (Bond – Administrative Expenses) for permit fees.

The Board is being asked to approve the 90% construction drawings and direct staff to proceed with permitting.

ATTACHMENTS:

Sullivan Park 90% design presentation
Sullivan Park 90% Construction Drawings (abbreviated version)
Sullivan Park 90% Construction Documents Cost Estimate
Project Schedule



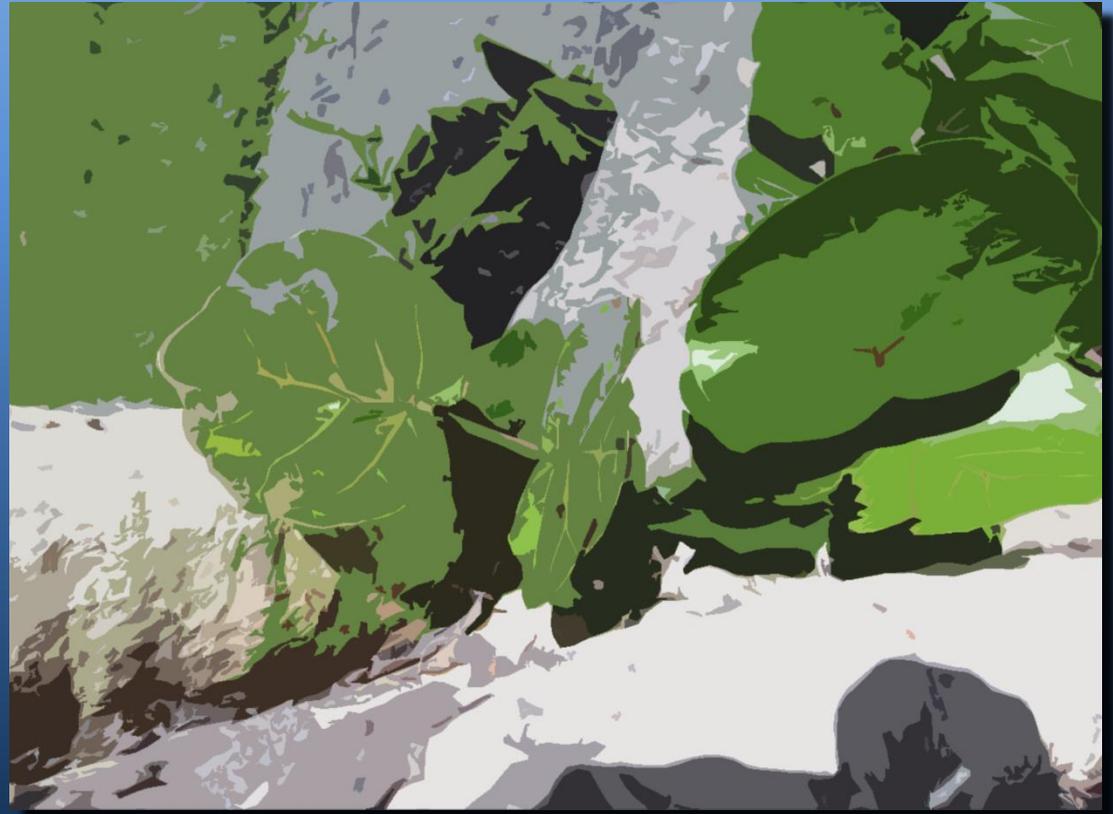
City of Deerfield Beach

Sullivan Park Expansion Project - PHASE 2 Community Redevelopment Agency

January 13, 2014



Bermello Ajamil & Partners, Inc.



90% Construction Drawing Submittal

90% Construction Drawing Submittal

SULLIVAN PARK IMPROVEMENTS

PREPARED FOR:
COMMUNITY REDEVELOPMENT AGENCY
 150 NE 2ND AVENUE
 DEERFIELD BEACH, FL 33441
 954-480-4380 (t)



90% CONSTRUCTION DRAWINGS
 NOVEMBER 17, 2014

CITY OF DEERFIELD BEACH
 ELECTED OFFICIALS

Mayor Jean M. Robb
 District 1 - Commissioner Miller
 District 2 - Vice Mayor Preston
 District 3 - Commissioner Rosenzweig
 District 4 - Commissioner Ganz

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SECTIONS ST-06 STRUCTURAL TYPICAL PLAN, ELEVATION & SECTIONS ST-07 STRUCTURAL TYPICAL SECTIONS & DETAILS ST-08 STRUCTURAL TYPICAL SECTIONS & DETAILS</p>	<p>EE-00 ELECTRICAL INDEX, NOTES, LEGEND EE-01 ELECTRICAL SITE PLAN EE-02 ELECTRICAL FLOOR PLAN POWER EE-03 ELECTRICAL FLOOR PLAN LIGHTING EE-04 TOWER ELECTRICAL PLAN EE-05 ELECTRICAL PHOTOMETRICS EE-06 ELECTRICAL PANELS RISER DIAGRAM</p> <p>SP-01 PLUMBING SITE PLAN PP-00 PLUMBING INDEX, SYMBOL, LEGEND AND NOTES PP-01 DOMESTIC WATER FLOOR PLAN PP-02 SANITARY FLOOR PLAN PP-03 DOMESTIC WATER AND SANITARY ISOMETRICS</p> <p>KV-00 KEY SHEET PLAN</p> <p>LA-01 HARDSCAPE LAYOUT PLAN LA-02 HARDSCAPE LAYOUT PLAN LA-03 HARDSCAPE LAYOUT PLAN LA-04 HARDSCAPE LAYOUT PLAN LA-05 HARDSCAPE LAYOUT PLAN LA-06 HARDSCAPE LAYOUT PLAN</p> <p>LF-01 HARDSCAPE PAVING AND FINISHES PLAN LF-02 HARDSCAPE PAVING AND FINISHES PLAN LF-03 HARDSCAPE PAVING AND FINISHES PLAN LF-04 HARDSCAPE PAVING AND FINISHES PLAN LF-05 HARDSCAPE PAVING AND FINISHES PLAN LF-06 HARDSCAPE PAVING AND FINISHES PLAN LF-07 HARDSCAPE PAVING AND FINISHES PLAN LF-08 HARDSCAPE PAVING AND FINISHES PLAN LF-09 HARDSCAPE PAVING AND FINISHES PLAN LF-10 HARDSCAPE PAVING AND FINISHES PLAN LF-11 INTERACTIVE FOUNTAIN LAYOUT BLOWUP</p> <p>LM-01 HARDSCAPE MATERIAL PLAN LM-02 HARDSCAPE MATERIAL PLAN LM-03 HARDSCAPE MATERIAL PLAN LM-04 HARDSCAPE MATERIAL PLAN LM-05 HARDSCAPE MATERIAL PLAN LM-06 HARDSCAPE MATERIAL PLAN LM-07 HARDSCAPE MATERIAL PLAN LM-08 HARDSCAPE MATERIALS BLOWUP DETAILS AND DETAILS LM-09 HARDSCAPE MATERIALS BLOWUP DETAILS LM-10 FURNITURE LAYOUT BLOWUP DETAILS LM-11 FURNITURE LAYOUT BLOWUP DETAILS</p> <p>LL-00 OVERALL LANDSCAPE PLAN LL-01 LANDSCAPE PLAN LL-02 LANDSCAPE PLAN LL-03 LANDSCAPE PLAN LL-04 LANDSCAPE PLAN LL-05 LANDSCAPE PLAN LL-06 LANDSCAPE PLAN LL-07 LANDSCAPE DETAILS AND NOTES LL-08 GENERAL LANDSCAPE NOTES LL-09 PLANT MATERIAL LIST</p> <p>IR-01 IRRIGATION PLAN IR-02 IRRIGATION PLAN IR-03 IRRIGATION PLAN IR-04 IRRIGATION PLAN IR-05 IRRIGATION PLAN IR-06 IRRIGATION PLAN IR-07 IRRIGATION NOTES AND LEGEND IR-08 IRRIGATION INSTALLATION DETAILS</p>	<p>LANDSCAPE ARCHITECT IRRENELO AJALME & PARTNERS, INC. 900 SE 3rd Avenue, Suite 200 Fort Lauderdale, Florida 33316 (305) 569-2050 (305) 860-3700 (Fax) Contact: Kirk Ohay kohay@irrenelolajalme.com</p> <p>MARINE ENGINEER IRRENELO AJALME & PARTNERS, INC. 2001 South Bayshore Drive, 10th Floor Miami, Florida 33133 (305) 569-2050 (305) 860-3700 (Fax) Contact: Frank Tapster ftapster@irrenelolajalme.com</p> <p>STRUCTURAL ENGINEER TRC WORLDWIDE ENGINEERING 3990 NW 86th Street Fort Lauderdale, Florida 33309 (954) 464-7777 (954) 464-7888 (Fax) Contact: Derek Wasilak dwasilak@trcworld.com</p> <p>IRRIGATION KENNETH DICICCIATO, INC. 2201 Hollywood Boulevard Hollywood, Florida 33020 (305) 969-2000 (305) 969-2000 (Fax) Contact: Kenneth Dicciato kdicciato@kdicciato.com</p> <p>MECHANICAL, ELECTRICAL, AND PLUMBING DELTA G CONSULTING 707 NE 3rd Ave., Suite 200 Fort Lauderdale, Florida 33304 (954) 527-1112 (954) 524-7500 (Fax) Contact: George San Juan gsanjuan@delta-g.com</p> <p>AQUATIC DESIGN & ENGINEERING AQUADYNAMICS 5000 RW 75th Ave., Suite 100 Miami, Florida 33150 (305) 867-8919 (305) 860-1002 (Fax) Contact: John Wastler jwastler@aquadynamics.biz</p>	<p>CIVIL ENGINEER IRRENELO AJALME & PARTNERS, INC. 900 SE 3rd Avenue, Suite 200 Fort Lauderdale, Florida 33316 (305) 569-2050 (305) 860-3700 (Fax) Contact: Maria Zapata mzapata@irrenelolajalme.com</p> <p>ARCHITECT IRRENELO AJALME & PARTNERS, INC. 900 SE 3rd Avenue, Suite 200 Fort Lauderdale, Florida 33316 (305) 569-2050 (305) 860-3700 (Fax) Contact: Scott Black sblack@irrenelolajalme.com</p> <p>ENVIRONMENTAL ENGINEER E-SCIENCES 111 NE 13th Street, Suite 908 Miami, Florida 33132 (786) 517-9532 (305) 387-1566 (Fax) Contact: Justin Freedman jfreedman@e-sciences.com</p> <p>SIGNAGE & WAY FINDING TOM SHAWBROOK ASSOCIATES, INC. 2485 Perrowe Dr. Lower Blvd., Suite 401 Coral Gables, Florida 33146 (305) 469-2000 (305) 699-2000 (Fax) Contact: Tom Shawbrook tom.shawbrook@shawbrook.com</p> <p>SURVEY KEITH AND SCHNARS, P.A. 6800 N Andrews Ave. Fort Lauderdale, Florida 33309 (954) 778-1818 (954) 771-7890 (Fax) Contact: Nancy L. Highfield nhighfield@ksurvey.com</p>	

Sample 90% Drawing Plans



BERMELLO AJAMIL & PARTNERS, INC.
 Architecture • Engineering • Planning
 Interior Design • Landscape Architecture
 900 SE 3rd Avenue, Suite 205
 Fort Lauderdale, Florida 33304
 (954) 559-2000
 Fax: (954) 560-3700

PREPARED FOR/OWNER:



CITY OF DEERFIELD BEACH CRA
 City of Deerfield Beach
 150 NE 2nd Avenue
 Deerfield Beach, FL 33441

PROJECT NAME:

SULLIVAN PARK

PROJECT LOCATION/ADDRESS:
 Riverview Road and
 Intracoastal Waterway
 Deerfield Beach, Florida

DATE/CONSULTANT INFORMATION:

PROFESSIONAL SEAL:



90% CONSTRUCTION DRAWINGS
 November 10, 2014

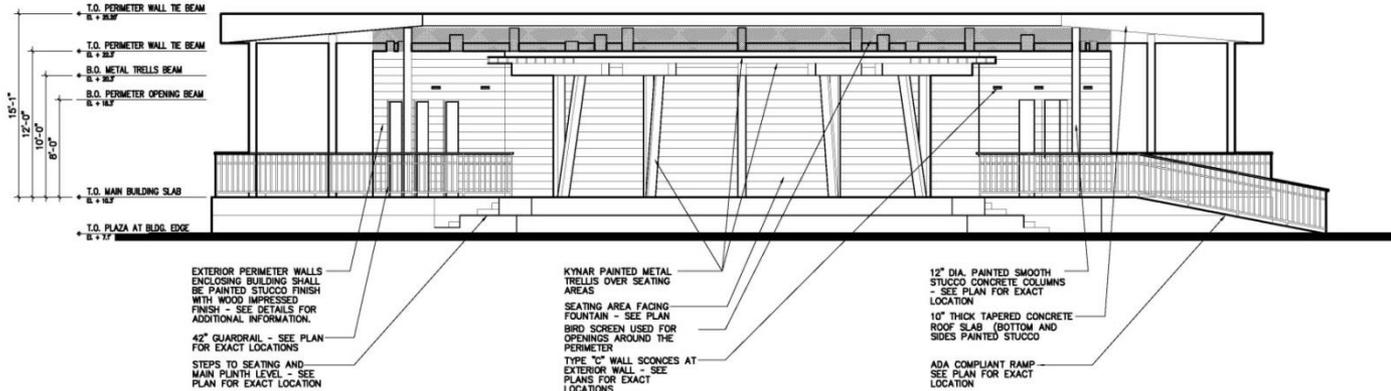
REVISIONS:

DATE PLOTTED:

PROJECT SHEET INFORMATION:
 BA PROJECT NO.: 13050
 SCALE: AS NOTED
 DRAWN BY: SB
 CHECKED BY: TO

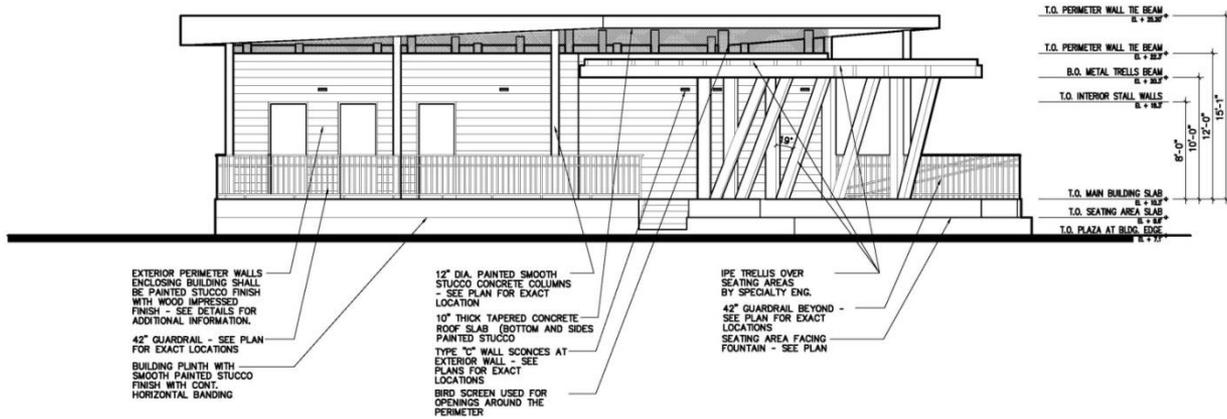
DRAWING TITLE:
RESTROOM BUILDING - E & N ELEVATIONS
 SHEET NO.

A-2.0



2 RESTROOM BUILDING - NORTH ELEVATION

A-2.0 SCALE: 1/4" = 1'-0"



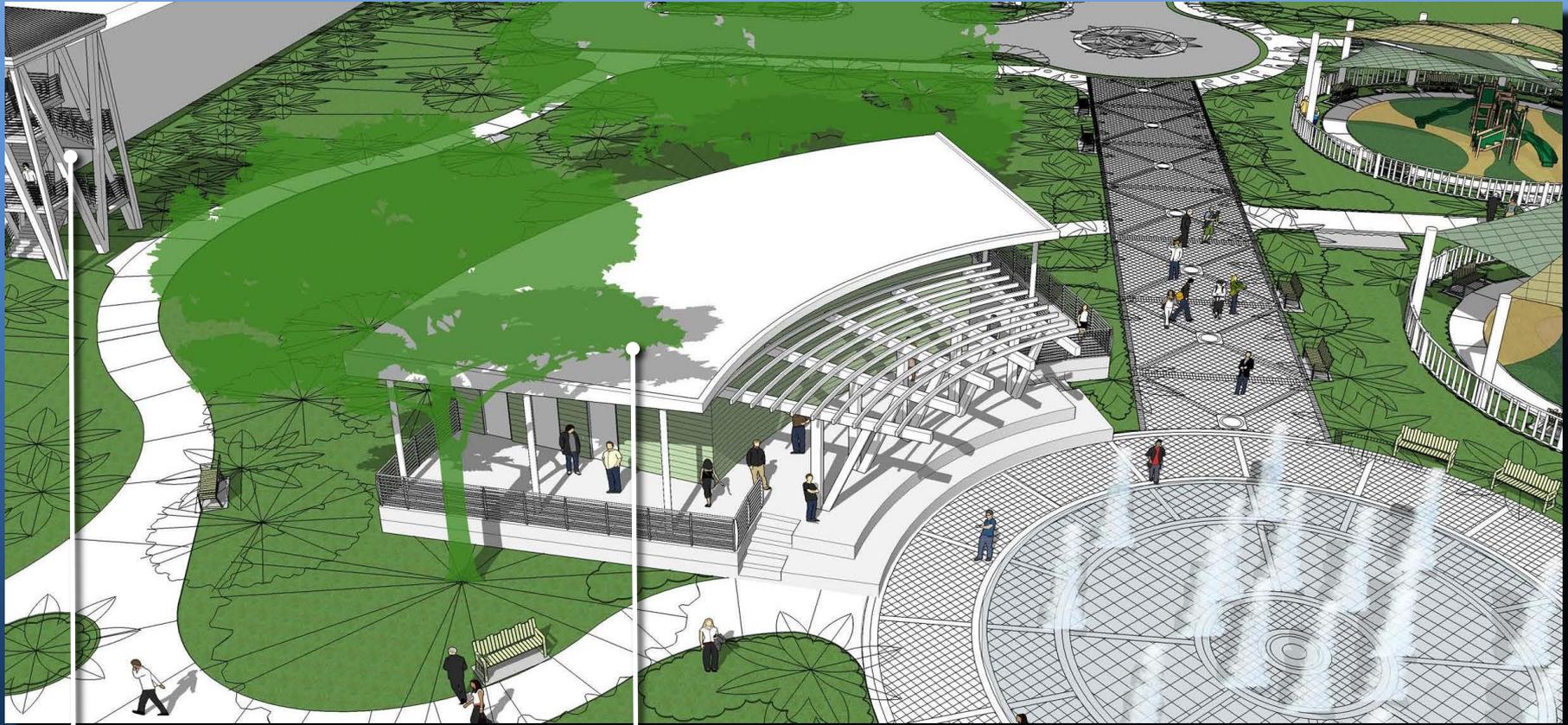
1 RESTROOM BUILDING - EAST ELEVATION

A-2.0 SCALE: 1/4" = 1'-0"



Building Colors

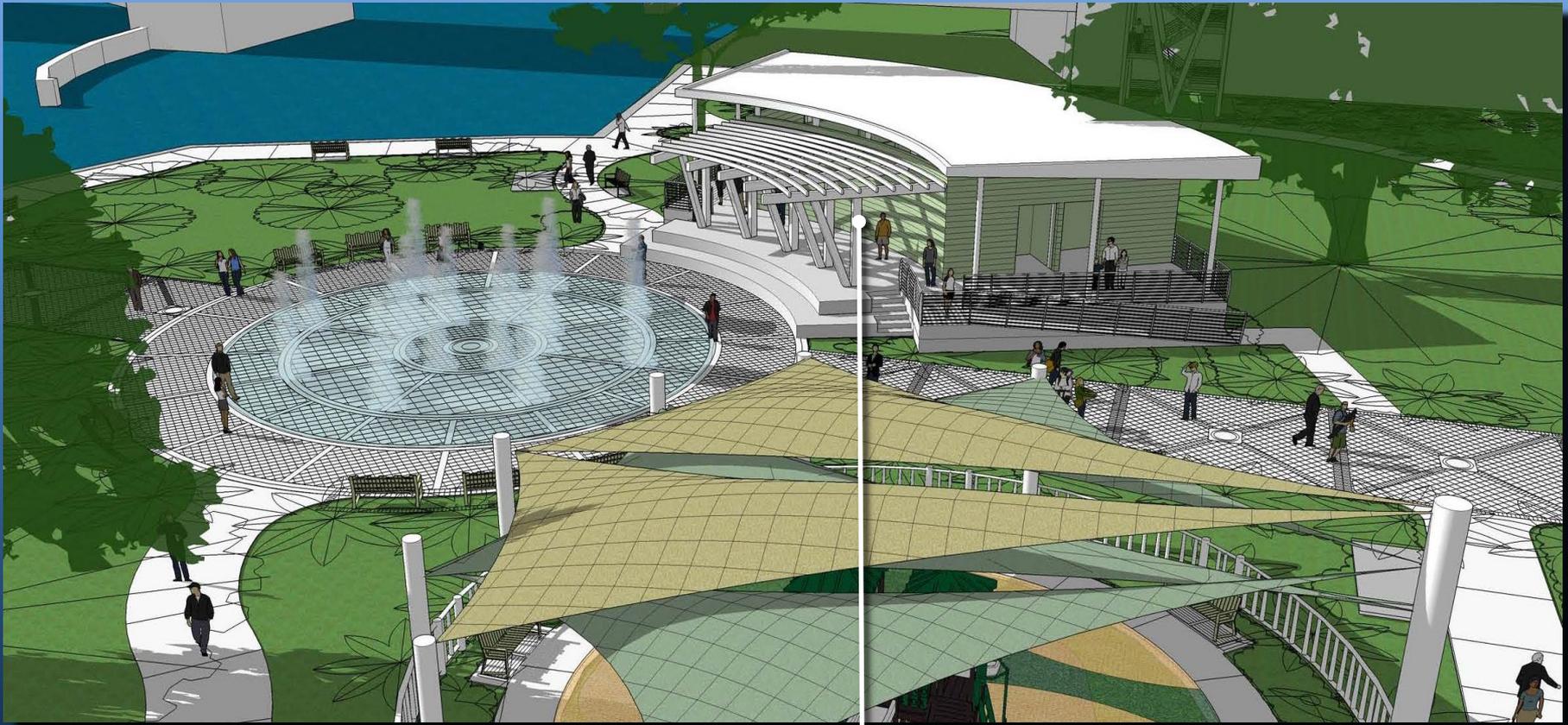
Building Color Selection



Tower Building

Restroom Building

Building Color Selection



Restroom Building

Building Color Selection

**Standing Seam Metal
Roof**

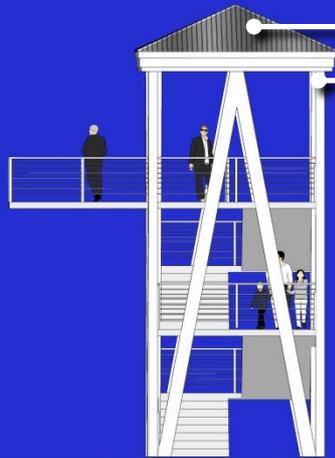
Landscape Forms:
Silver

**Trim, Trellis, Handrail
& Doors**

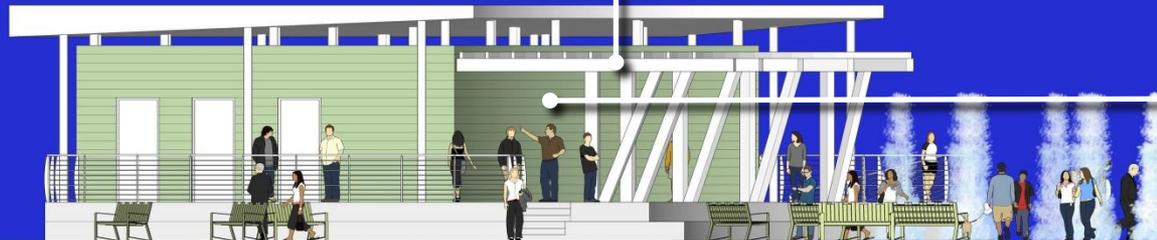
Sherman Williams:
Snowbound SW7004

**Painted stucco over
Concrete Block**

Sherman Williams:
Rookwood Jade
SW2812



Tower



Restroom Building



Paving Surfaces

Concrete Paver Walkways

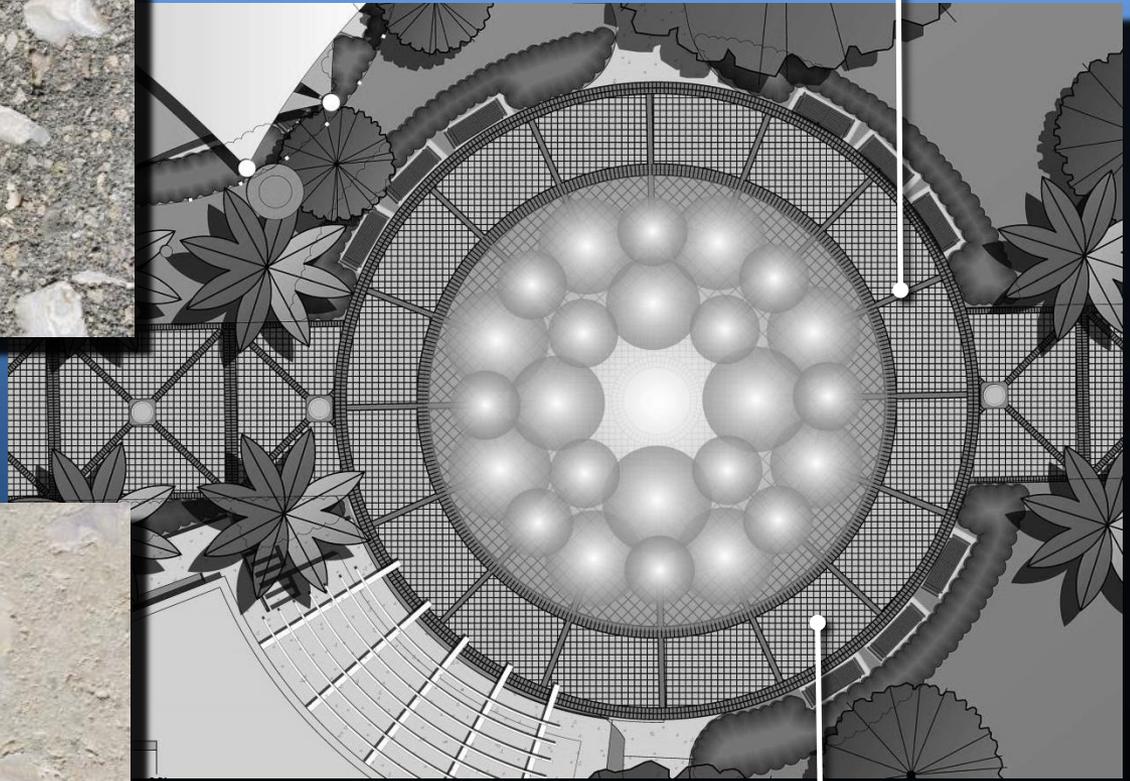


Belgard: Natural Shell



Belgard: White Shell

Banding Shell Stone Pavers



Field Shell Stone Pavers

Interactive Water Feature



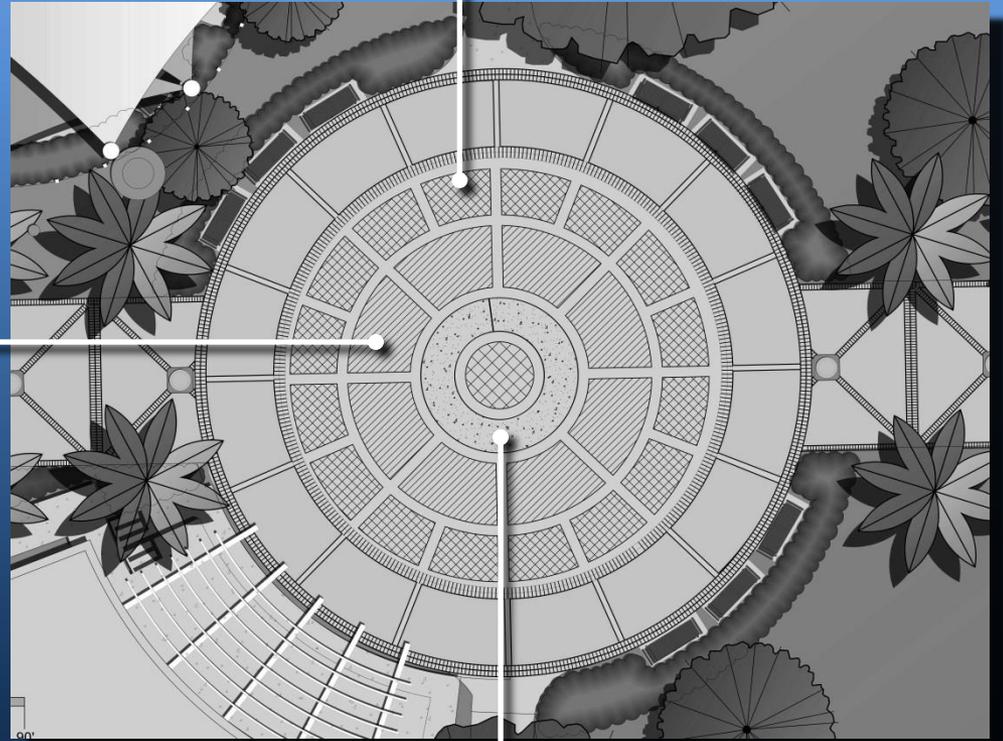
Scofield: Platinum Gray A-57



Scofield: Parisian Grey 3773



Scofield: Shadow Slate C-31



Playgrounds – Safety Surfaces



Color 1

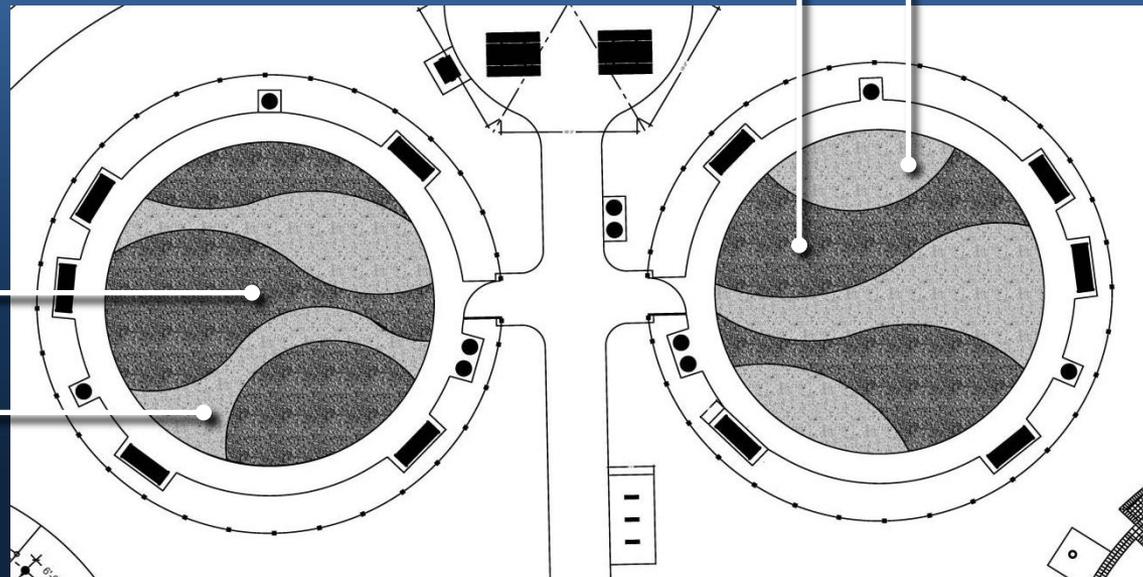


Color 2



Color 1

Color 2





Site Amenities

Benches & Waste Recep.

Benches & Recycle Waste

Landscape Forms: Grass



Waste Receptacles

Landscape Forms: Silver



Playgrounds

Playground Equipment

Landscape Structures
Polyethylene: Leaf

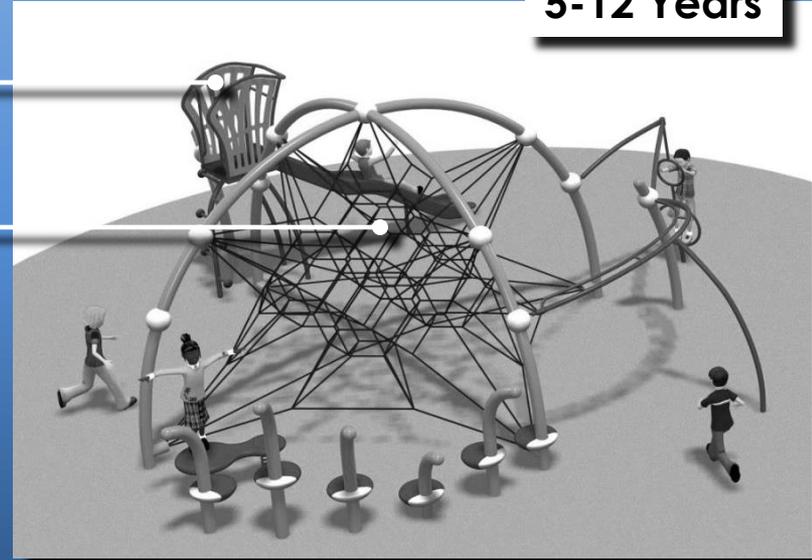
Piping

Landscape Structures
Powdercoat: Cool Silver (307) Matte Finish

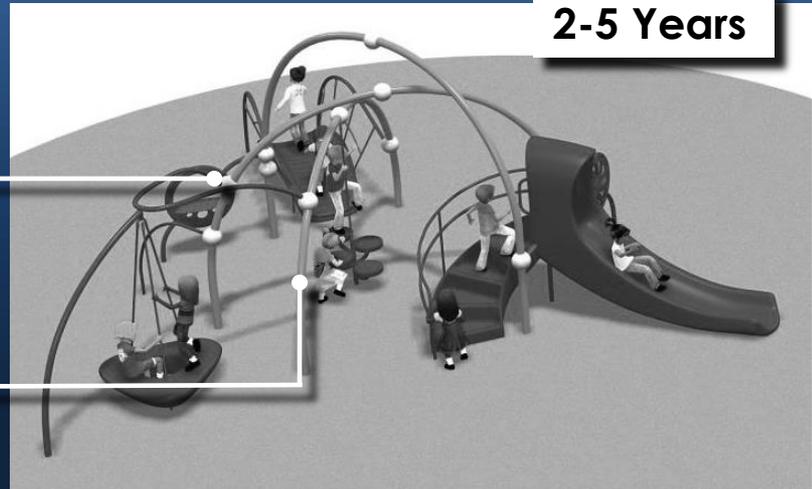
Rope

Ball Joints

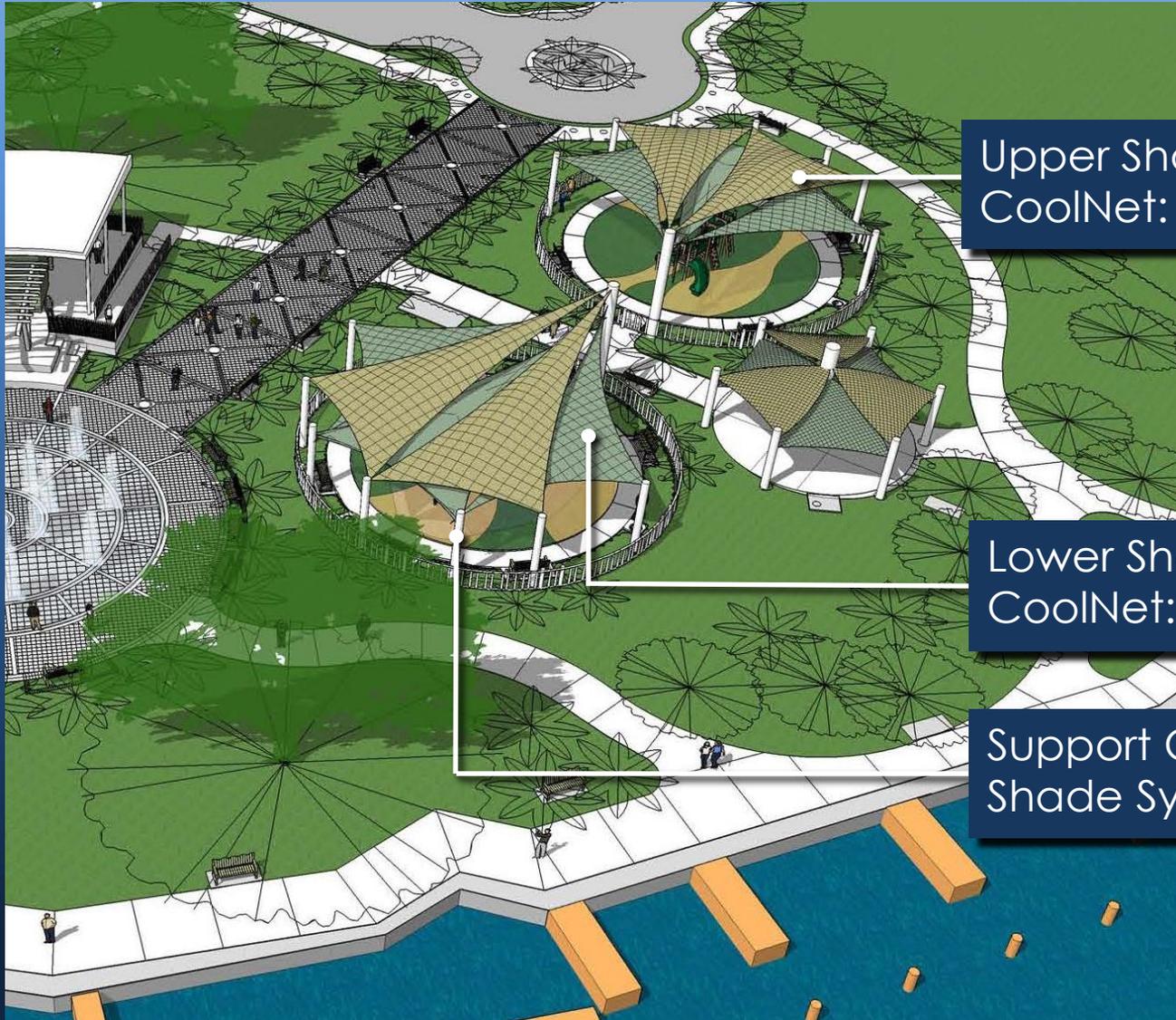
5-12 Years



2-5 Years



Playgrounds/Picnic Shelter



Upper Shade Sails
CoolNet: Desert Sand

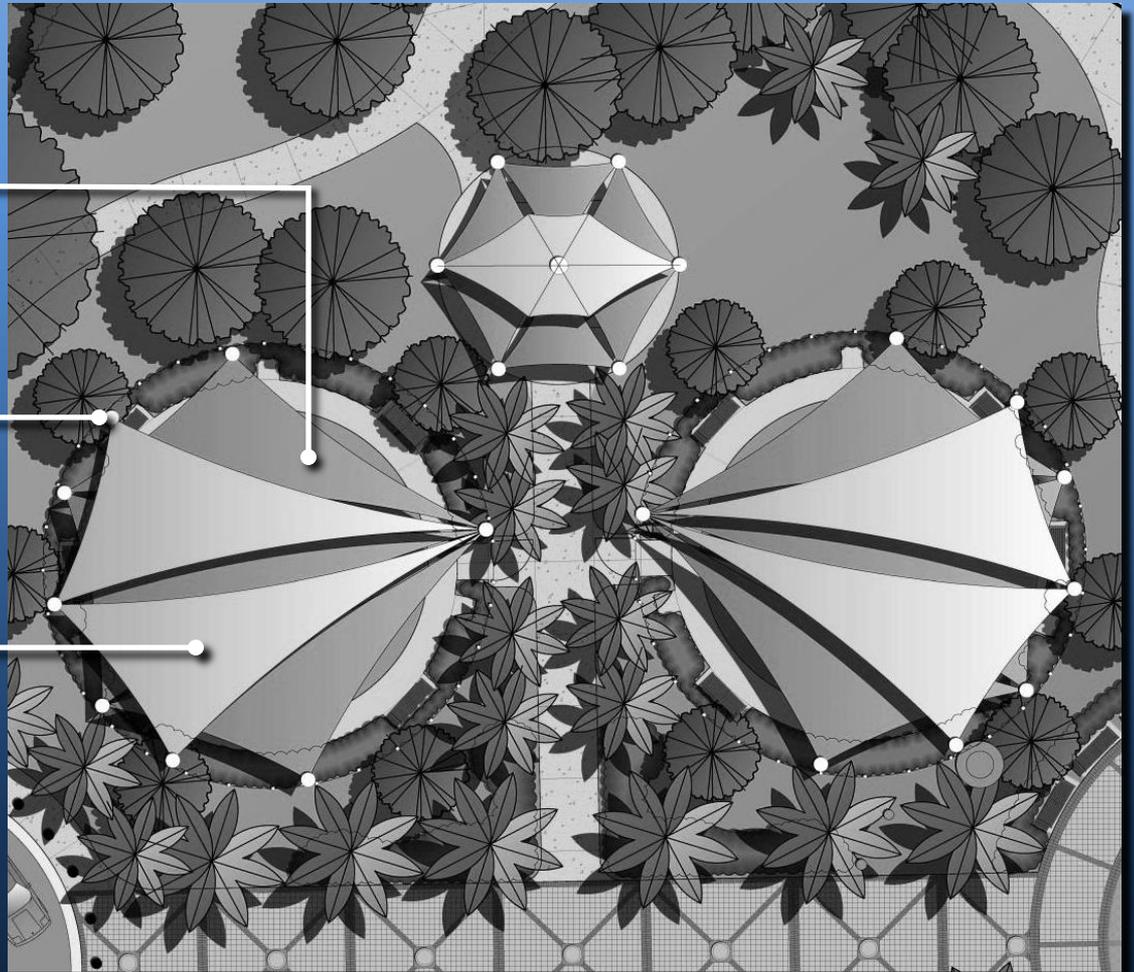
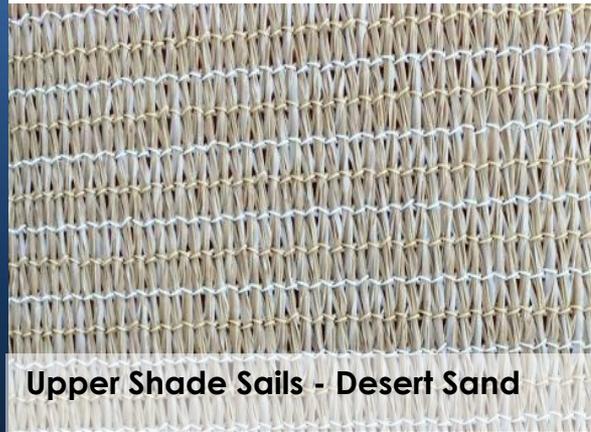
Lower Shade Sails
CoolNet: Rivergum Green

Support Columns
Shade Systems: Alpine White

Playgrounds/Picnic Shelter



Support
Columns



Site Furniture



Pole Lighting



Parking Pay Station

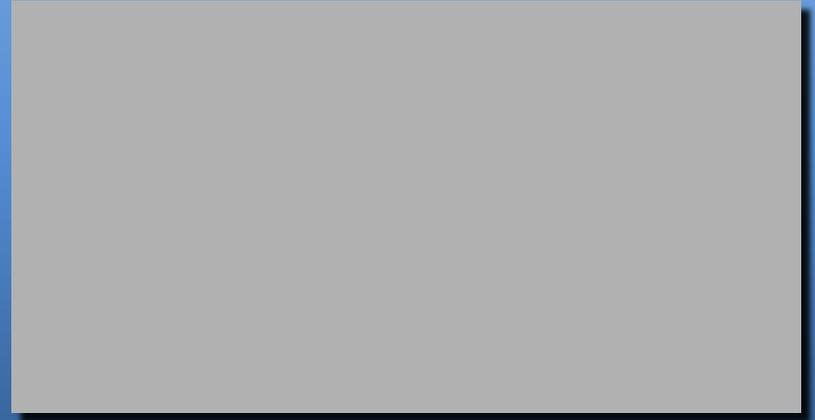


ADA Tower Shower



Lit Removable and fixed Bollard

All metal



Landscape Forms: Silver

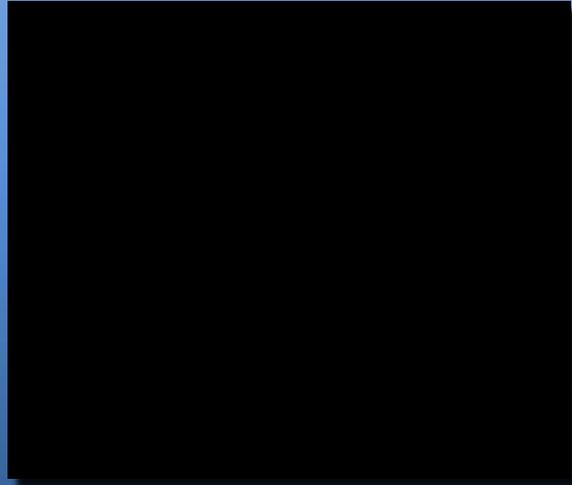


Table Top - Ipe

Miscellaneous Site Furniture



Grills



Flat Black

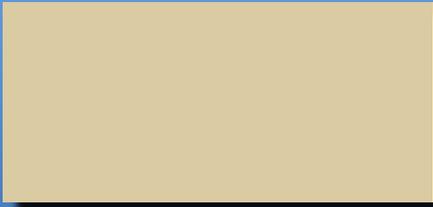


Landscape Forms: Silver

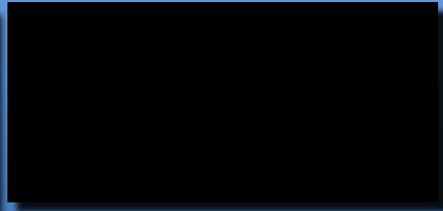


Bike Racks

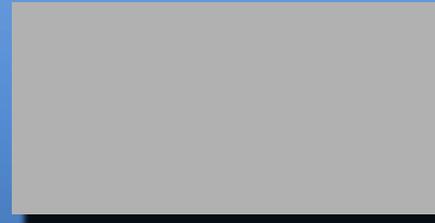
Fencing



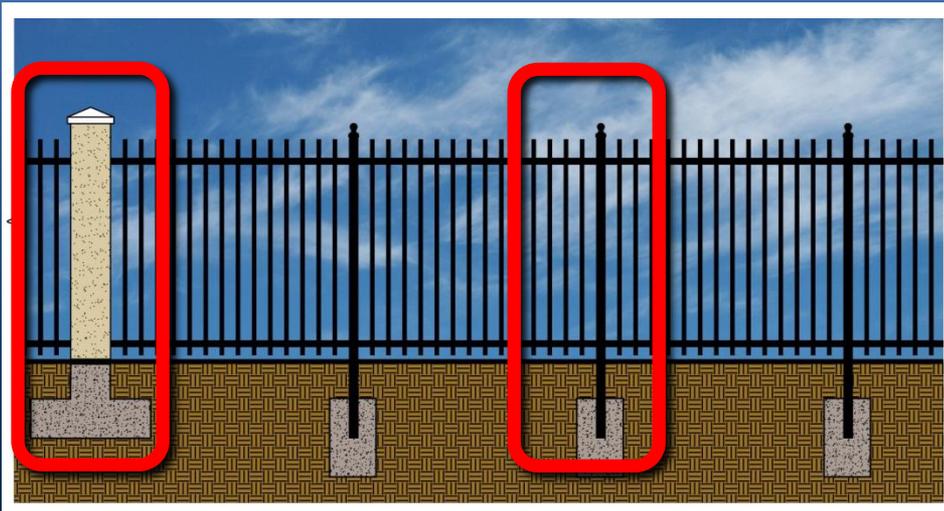
Beige stucco; to match adjacent condominium



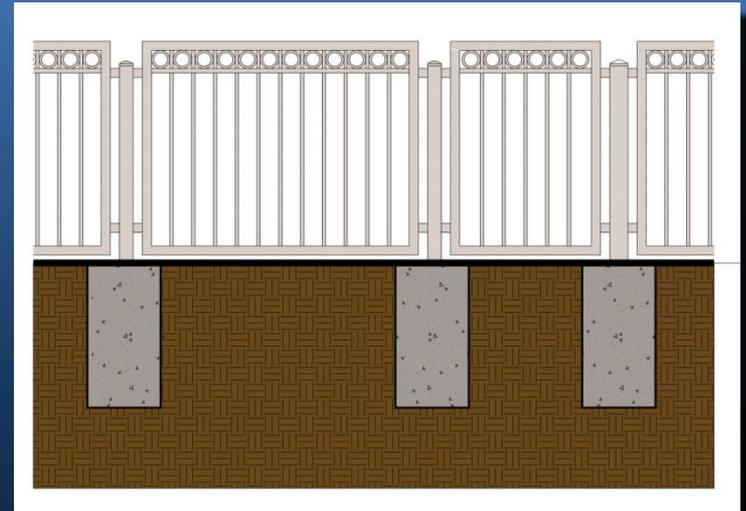
Black metal



Silver



6' Height - Pickets, Posts and Frame



4' Height - Pickets, Posts and Frame

SULLIVAN PARK IMPROVEMENTS

PREPARED FOR:
COMMUNITY REDEVELOPMENT AGENCY

150 NE 2ND AVENUE
DEERFIELD BEACH, FL 33441
954-480-4380 (t)



90% CONSTRUCTION DRAWINGS
NOVEMBER 17, 2014

CITY OF DEERFIELD BEACH
ELECTED OFFICIALS

Mayor Jean M. Robb
District 1 - Commissioner Miller
District 2 - Vice Mayor Preston
District 3 - Commissioner Rosenzweig
District 4 - Commissioner Ganz

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S-1.01	TYPICAL DETAILS
S-2.01	FOUNDATION GROUND FLOOR PLAN & NOTES
S-2.02	ROOF FRAMING PLAN & NOTES
S-2.03	STAIR FLOOR FRAMING PLANS
S-3.01	SECTIONS AND DETAILS
S-4.01	SCHEDULES, COMPONENTS AND CLADDING
SG-01	SITE SIGNAGE, REGULATORY SIGNAGE, LOC. & PLAN
ST-00	SITE PLAN
ST-01	STRUCTURAL SITE PLAN
ST-02	STRUCTURAL PIER PLAN
ST-03	STRUCTURAL TYPICAL PLAN, ELEVATION & SECTIONS
ST-04	STRUCTURAL TYPICAL PLAN, ELEVATION & SECTIONS
ST-05	STRUCTURAL TYPICAL PLAN, ELEVATION & SECTIONS
ST-06	STRUCTURAL TYPICAL PLAN, ELEVATION & SECTIONS
ST-07	STRUCTURAL TYPICAL SECTIONS & DETAILS
ST-08	STRUCTURAL TYPICAL SECTIONS & DETAILS

EE-00	ELECTRICAL INDEX, NOTES, LEGEND
EE-01	ELECTRICAL SITE PLAN
EE-02	ELECTRICAL FLOOR PLAN POWER
EE-03	ELECTRICAL FLOOR PLAN LIGHTING
EE-04	TOWER ELECTRICAL PLAN
EE-05	ELECTRICAL PHOTOMETRICS
EE-06	ELECTRICAL PANELS RISER DIAGRAM
EP-1	PLUMBING SITE PLAN
PP-00	PLUMBING INDEX, SYMBOL LEGEND AND NOTES
PP-01	DOMESTIC WATER FLOOR PLAN
PP-02	SANITARY FLOOR PLAN
PP-03	DOMESTIC WATER AND SANITARY ISOMETRICS
KY-00	KEY SHEET PLAN
LH-01	HARDSCAPE LAYOUT PLAN
LH-02	HARDSCAPE LAYOUT PLAN
LH-03	HARDSCAPE LAYOUT PLAN
LH-04	HARDSCAPE LAYOUT PLAN
LH-05	HARDSCAPE LAYOUT PLAN
LH-06	HARDSCAPE LAYOUT PLAN
LF-01	HARDSCAPE PAVING AND FINISHES PLAN
LF-02	HARDSCAPE PAVING AND FINISHES PLAN
LF-03	HARDSCAPE PAVING AND FINISHES PLAN
LF-04	HARDSCAPE PAVING AND FINISHES PLAN
LF-05	HARDSCAPE PAVING AND FINISHES PLAN
LF-06	HARDSCAPE PAVING AND FINISHES PLAN
LF-07	HARDSCAPE PAVING AND FINISHES LEGEND AND DETAILS
LF-08	HARDSCAPE PAVING AND FINISHES DETAILS
LF-09	HARDSCAPE PAVING AND FINISHES DETAILS
LF-10	HARDSCAPE PAVING AND FINISHES DETAILS
LF-11	INTERACTIVE FOUNTAIN LAYOUT BLOWUP
LM-01	HARDSCAPE MATERIAL PLAN
LM-02	HARDSCAPE MATERIAL PLAN
LM-03	HARDSCAPE MATERIAL PLAN
LM-04	HARDSCAPE MATERIAL PLAN
LM-05	HARDSCAPE MATERIAL PLAN
LM-06	HARDSCAPE MATERIAL PLAN
LM-07	HARDSCAPE FURNITURE, MATERIALS LEGEND AND DETAILS
LM-08	HARDSCAPE MATERIALS BLOWUP DETAILS
LM-09	HARDSCAPE MATERIALS BLOWUP DETAILS
LM-10	FURNITURE LAYOUT BLOWUP DETAILS
LM-11	FURNITURE LAYOUT BLOWUP DETAILS
LL-00	OVERALL LANDSCAPE PLAN
LL-01	LANDSCAPE PLAN
LL-02	LANDSCAPE PLAN
LL-03	LANDSCAPE PLAN
LL-04	LANDSCAPE PLAN
LL-05	LANDSCAPE PLAN
LL-06	LANDSCAPE PLAN
LL-07	LANDSCAPE DETAILS AND NOTES
LL-08	GENERAL LANDSCAPE NOTES
LL-09	PLANT MATERIAL LIST
IR-01	IRRIGATION PLAN
IR-02	IRRIGATION PLAN
IR-03	IRRIGATION PLAN
IR-04	IRRIGATION PLAN
IR-05	IRRIGATION PLAN
IR-06	IRRIGATION PLAN
IR-07	IRRIGATION NOTES AND LEGEND
IR-08	IRRIGATION INSTALLATION DETAILS

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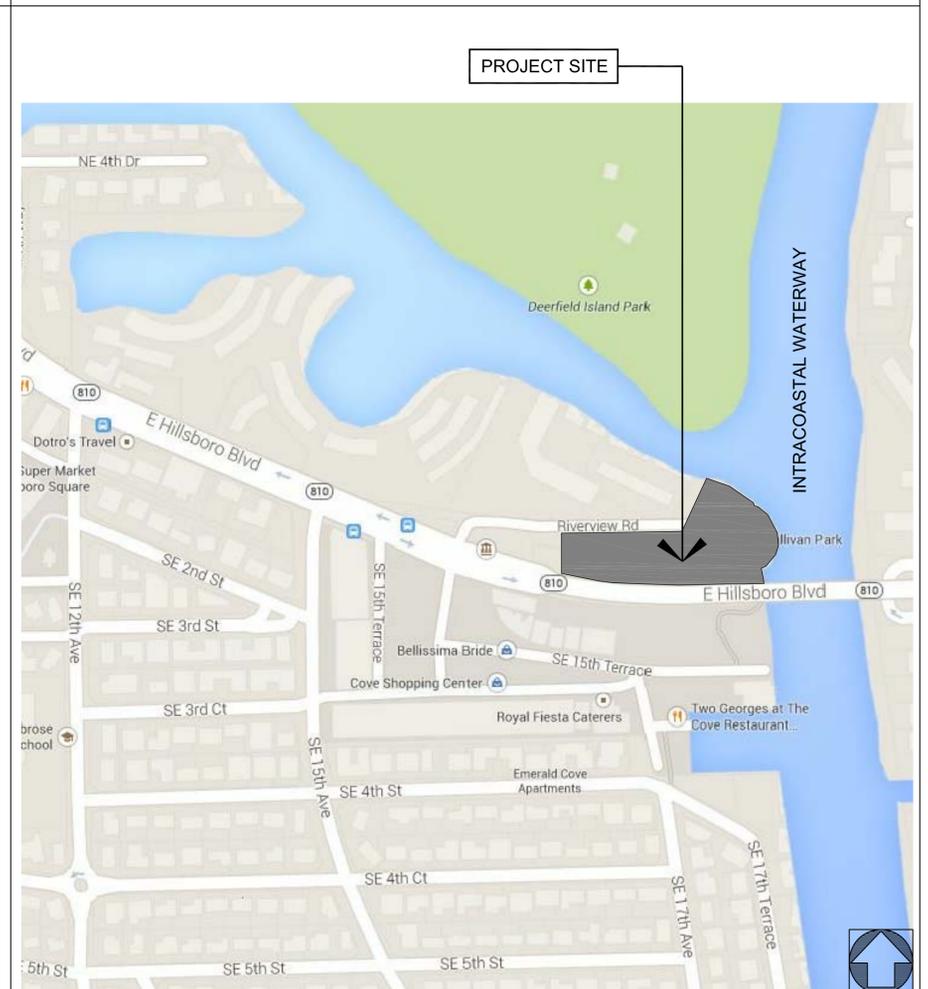


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LOCATION MAP





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PREPARED FOR/OWNER:



CITY OF DEERFIELD BEACH CRA
 City of Deerfield Beach
 150 NE 2nd Avenue
 Deerfield Beach, FL 33441

PROJECT NAME:

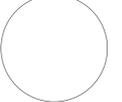
SULLIVAN PARK

PROJECT LOCATION/ADDRESS:

Riverview Road and
 Intracoastal Waterway
 Deerfield Beach, Florida

SUB-CONSULTANT INFORMATION:

PROFESSIONAL SEAL:

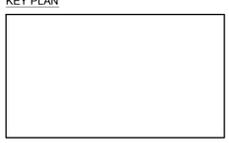


KIRK J. OLNEY
 LANDSCAPE ARCHITECT
 FLORIDA REGISTERED LANDSCAPE ARCHITECT
 SUBMITTAL DESCRIPTION / MILESTONE:

90% CONSTRUCTION DRAWINGS
November 10, 2014

REVISIONS:

KEY PLAN



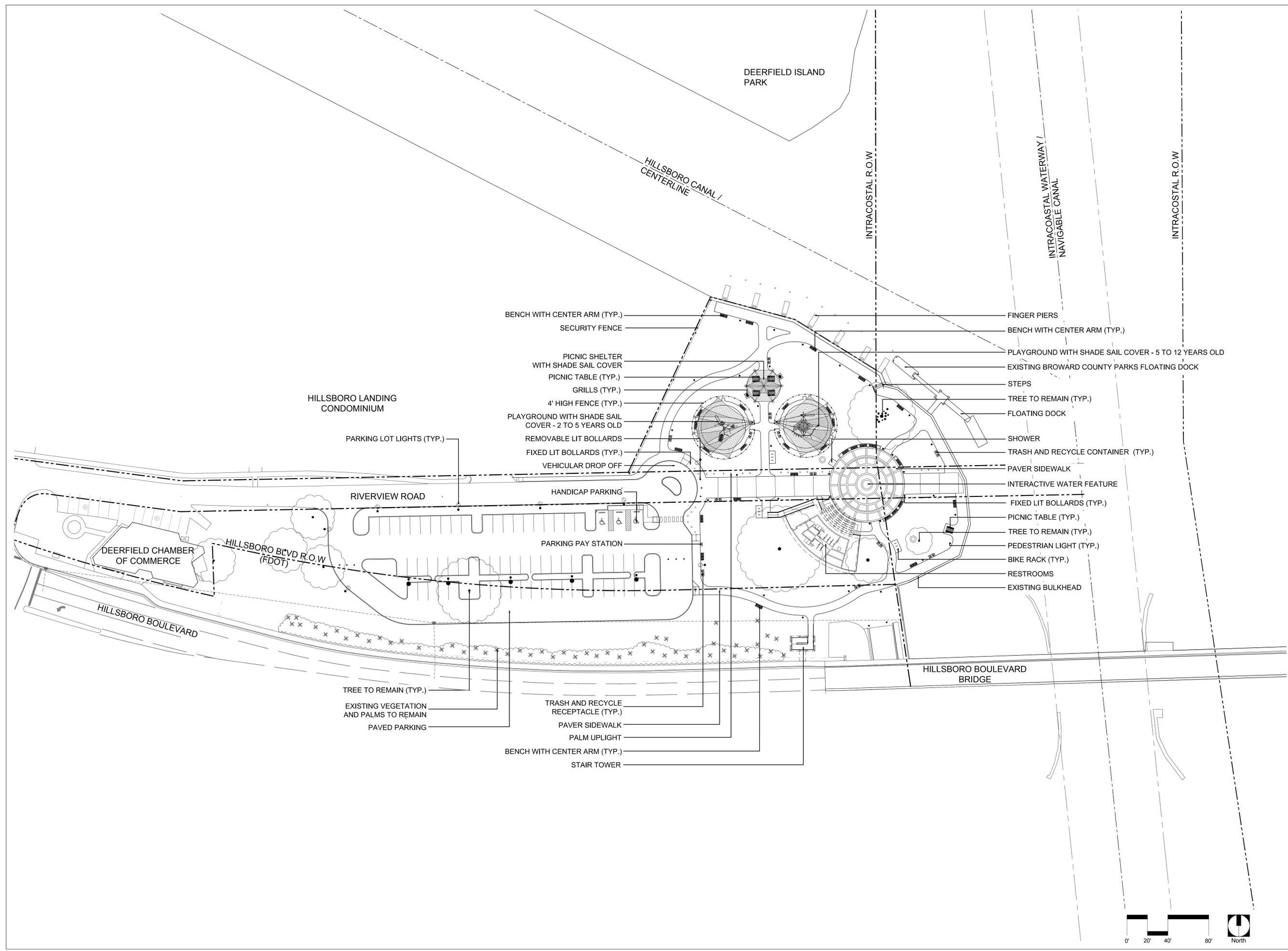
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 SCALE: 1" = 40' - 0"
 DRAWN BY: AFP
 CHECKED BY: RPH/KJO

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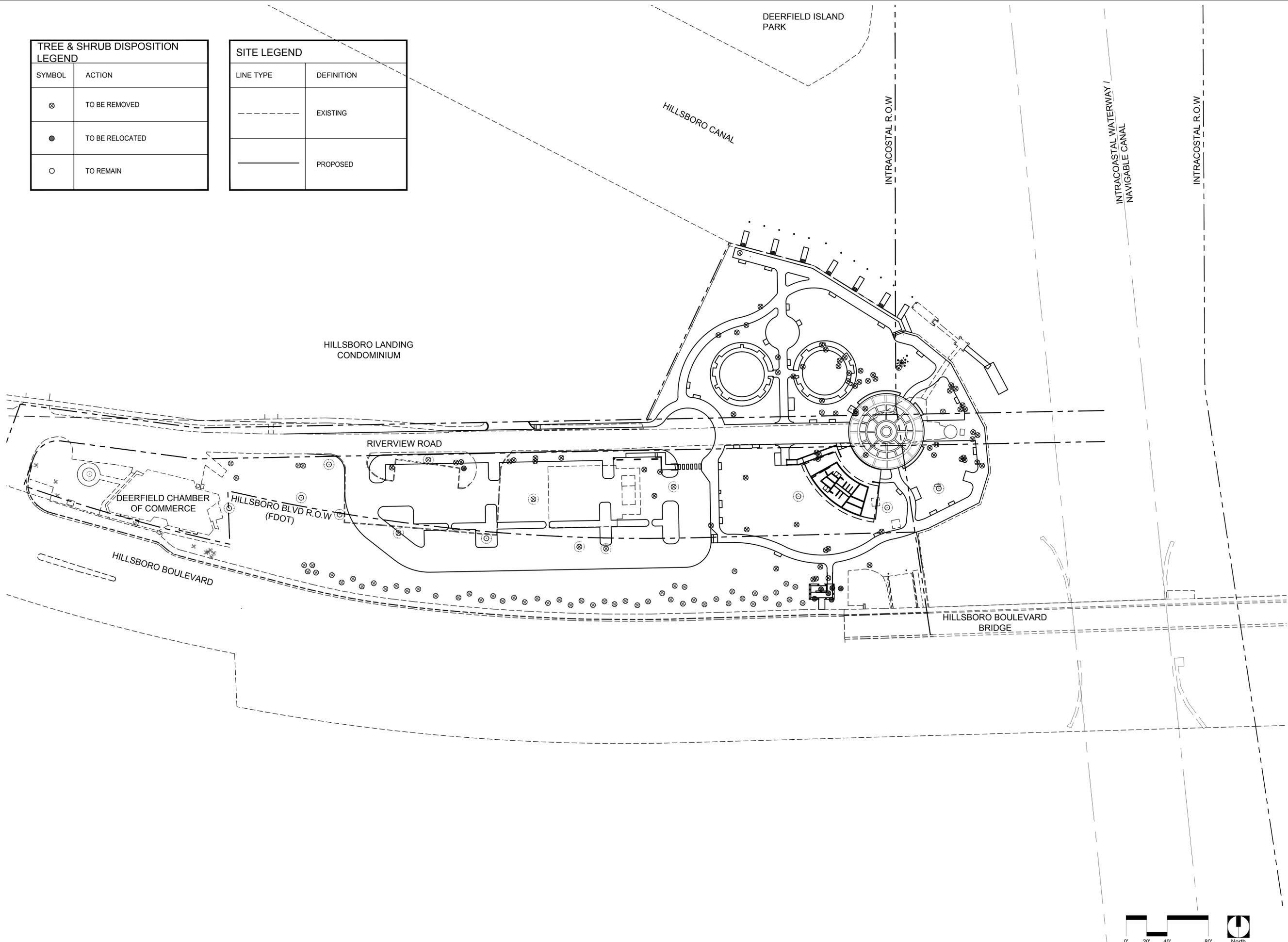
SITE PLAN

SHEET NO.
SP-00



TREE & SHRUB DISPOSITION LEGEND	
SYMBOL	ACTION
⊗	TO BE REMOVED
●	TO BE RELOCATED
○	TO REMAIN

SITE LEGEND	
LINE TYPE	DEFINITION
---	EXISTING
—	PROPOSED



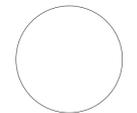
ba
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PROJECT NAME:
SULLIVAN PARK
 PROJECT LOCATION/ADDRESS:
 Riverview Road and
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 Deerfield Beach, Florida

SUB-CONSULTANT INFORMATION:
 PROFESSIONAL SEAL:


 KIRK J. OLNEY
 LA0001725
 FLORIDA REGISTERED LANDSCAPE ARCHITECT
 SUBMITTAL DESCRIPTION / MILESTONE:

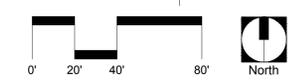
90% CONSTRUCTION DRAWINGS
November 10, 2014

REVISIONS:

KEY PLAN


DRAWING SHEET INFORMATION:
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 SCALE: 1" = 40' - 0"
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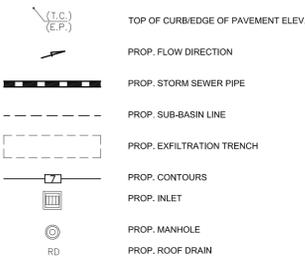
DRAWING TITLE:
OVERALL TREE DISPOSITION
PLAN SHEET NO.
LT-00



PROPOSED STORM DRAINAGE STRUCTURES SCHEDULE

- S-1 28 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-2 TYPE "E" INLET PER FDOT INDEX #232
GRATE ELEVATION 5.3
N.F.L. 2 (W/ BAFFLE)
E.F.L. 2 (W/ BAFFLE)
- S-3 79 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-4 TYPE P MANHOLE 04' PER FDOT INDEX #200 & 201
TOP ELEVATION 5.68
N.F.L. 2
S.F.L. 2
E.F.L. 2
W.F.L. 2
- S-5 23.5 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-6 22.0 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-7 TYPE "E" INLET PER FDOT INDEX #232
GRATE ELEVATION 5.3
N.F.L. 2 (W/ BAFFLE)
- S-8 84 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-9 TYPE P MANHOLE 04' PER FDOT INDEX #200 & 201
TOP ELEVATION 5.68
N.F.L. 2
S.F.L. 2
E.F.L. 2
W.F.L. 2
- S-10 22.5 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-11 19 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-12 TYPE "E" INLET PER FDOT INDEX #232
GRATE ELEVATION 5.3
N.F.L. 2 (W/ BAFFLE)
- S-13 90 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-14 TYPE P MANHOLE 04' PER FDOT INDEX #200 & 201
TOP ELEVATION 5.97
N.F.L. 2
S.F.L. 2
E.F.L. 2
W.F.L. 2
- S-15 21.5 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-16 TYPE "E" INLET PER FDOT INDEX #232
GRATE ELEVATION 5.3
N.F.L. 2 (W/ BAFFLE)
- S-17 26 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE AND
13 L.F. OF 15" HDPE (NON-PERFORATED) PIPE @ 0%
- S-18 TYPE "E" INLET PER FDOT INDEX #232
GRATE ELEVATION 5.45
N.F.L. 2 (W/ BAFFLE)
S.F.L. 2 (W/ BAFFLE)
- S-19 9 L.F. OF 15" HDPE (NON-PERFORATED) PIPE @ 0%
- S-20 TYPE P MANHOLE 04' PER FDOT INDEX #200 & 201
TOP ELEVATION 5.65
N.F.L. 2
S.F.L. 2
W.F.L. 2
- S-21 5 L.F. OF 15" HDPE (NON-PERFORATED) PIPE @ 0%
- S-22 TYPE "E" INLET PER FDOT INDEX #232
GRATE ELEVATION 5.45
S.F.L. 2 (W/ BAFFLE)
- S-23 115.5 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-24 28.5 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-25 TYPE "E" INLET WITH 5'x9" TYPE J BOTTOM PER FDOT INDEX #232
GRATE ELEVATION 5.3
N.F.L. 2 (W/ BAFFLE)
S.F.L. 0.0 (W/ BAFFLE)
E.F.L. 2 (W/ BAFFLE)
W.F.L. 2 (W/ BAFFLE)
- S-26 23 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-27 72 L.F. OF 15" HDPE (NON-PERFORATED) PIPE @ 0.29%
- S-28 CONTROL STRUCTURE (SEE SHEET C-6)
- S-29 63 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-30 TYPE "E" INLET PER FDOT INDEX #232
GRATE ELEVATION 5.0
N.F.L. 2 (W/ BAFFLE)
S.F.L. 2 (W/ BAFFLE)
W.F.L. 2 (W/ BAFFLE)
- S-31 13.5 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-32 33 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-33 TYPE "E" INLET PER FDOT INDEX #232
GRATE ELEVATION 5.2
N.F.L. 2 (W/ BAFFLE)
- S-34 93 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-35 TYPE "E" INLET PER FDOT INDEX #232
GRATE ELEVATION 5.0
S.F.L. 2 (W/ BAFFLE)
E.F.L. 2 (W/ BAFFLE)
- S-36 25 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-37 25 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-38 TYPE "E" INLET PER FDOT INDEX #232
GRATE ELEVATION 5.2
E.F.L. 2 (W/ BAFFLE)
W.F.L. 2 (W/ BAFFLE)
- S-39 61 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-40 TYPE "E" INLET PER FDOT INDEX #232
GRATE ELEVATION 5.2
E.F.L. 2 (W/ BAFFLE)
W.F.L. 2 (W/ BAFFLE)
- S-41 25 L.F. OF EXFILTRATION TRENCH W/ 15" HDPE PERFORATED PIPE @ 0%
- S-42 CONTRACTOR SHALL REMOVE EXISTING GRATE, RAISE EXISTING
STRUCTURE AND PROVIDE A MANHOLE COVER. A TIGHT CONNECTION MUST
BE PROVIDED. (FIELD VERIFY)
TOP ELEVATION 5.8
E.F.L. (+) 0.51' (EXISTING 36" RCP)
W.F.L. 10.056' (EXIST 36" RCP)
S.F.L. 1.49' (EXIST 15" RCP)
- S-43 TYPE "E" INLET PER FDOT INDEX #232
GRATE ELEVATION 5.3
- S-44 10 L.F. OF 15" HDPE (NON-PERFORATED) PIPE @ 0.09%
- S-45 SUB-SURFACE CONNECTION TO EXISTING 36" R.C.P. @ F.L. ± 1.0

DRAINAGE SYMBOLS LEGEND



EROSION AND SEDIMENTATION CONTROL NOTES

MAINTENANCE OF EROSION CONTROL MEASURES IS OF PARAMOUNT IMPORTANCE TO SULLIVAN PARK. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. THE EROSION CONTROL SYSTEM DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS SHOULD BE CONSIDERED TO REPRESENT THE MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDENT UPON THE STAGE OF CONSTRUCTION, THE SEVERITY OF THE RAINFALL EVENTS AND/OR AS DEEMED NECESSARY AS A RESULT OF ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES OR THE JURISDICTIONAL AUTHORITIES. THESE ADDITIONAL MEASURES SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER. IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ASSURE THAT THE STORM WATER DISCHARGE FROM THE SITES DOES NOT EXCEED THE TOLERANCES ESTABLISHED BY ANY OF THE JURISDICTIONAL AUTHORITIES. REFERENCE THE EROSION CONTROL PLAN AND DETAILS.

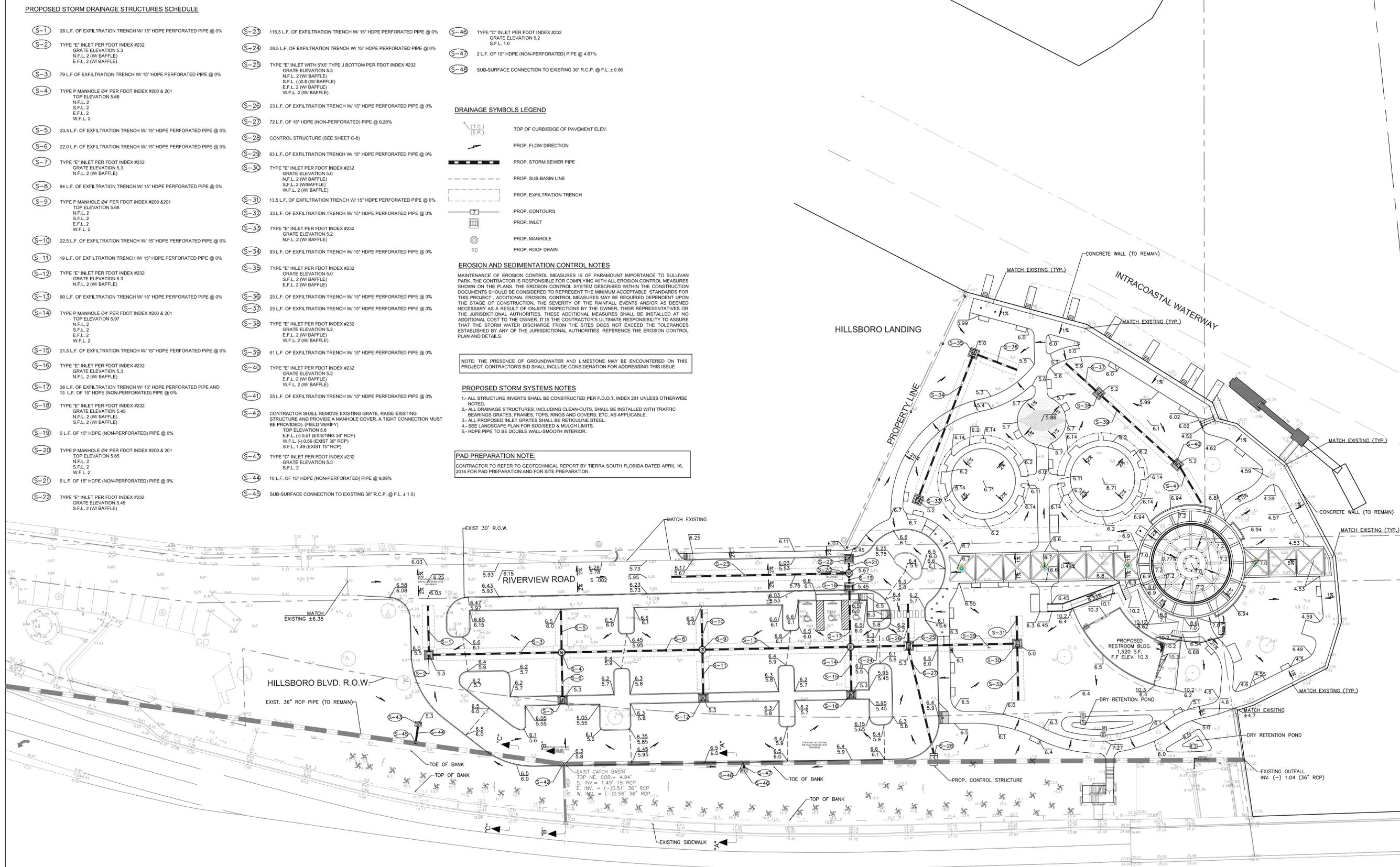
NOTE: THE PRESENCE OF GROUNDWATER AND LIMESTONE MAY BE ENCOUNTERED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE

PROPOSED STORM SYSTEMS NOTES

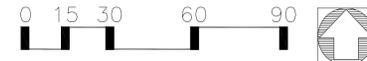
- ALL STRUCTURE INVERTS SHALL BE CONSTRUCTED PER F.D.O.T. INDEX 201 UNLESS OTHERWISE NOTED.
- ALL DRAINAGE STRUCTURES, INCLUDING CLEAN-OUTS, SHALL BE INSTALLED WITH TRAFFIC BARRIERS GRATES, FRAMES, TOPS, RINGS AND COVERS, ETC. AS APPLICABLE.
- ALL PROPOSED INLET GRATES SHALL BE RETICULINE STEEL.
- SEE LANDSCAPE PLAN FOR SO/DSEED & MULCH LIMITS.
- HDPE PIPE TO BE DOUBLE WALL-SMOOTH INTERIOR.

PAD PREPARATION NOTE:

CONTRACTOR TO REFER TO GEOTECHNICAL REPORT BY TIERRA SOUTH FLORIDA DATED APRIL 16, 2014 FOR PAD PREPARATION AND FOR SITE PREPARATION



HILLSBORO BOULEVARD
STATE ROAD 810



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PREPARED FOR/OWNER:

CITY OF DEERFIELD BEACH CRA
City of Deerfield Beach
150 NE 2nd Avenue
Deerfield Beach, FL 33441

PROJECT NAME:
SULLIVAN PARK
PROJECT LOCATION/ADDRESS:
Riverview Road and
Intracoastal Waterway
Deerfield Beach, Florida

SUB-CONSULTANT INFORMATION:

PROFESSIONAL SEAL:

MARIA C ZAPATA
FL PE NO. 54697
FLORIDA LICENSED PROFESSIONAL ENGINEER
SUBMITTAL DESCRIPTION / MILESTONE:

90% CONSTRUCTION DRAWINGS
November 10, 2014

REVISIONS:

KEY PLAN:

DRAWING SHEET INFORMATION:
BA PROJECT NO.: 13050
SCALE:
DRAWN BY: BB
CHECKED BY: WRB

DRAWING TITLE:
PAVING GRADING & DRAINAGE PLAN
SHEET NO.
C-6



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PREPARED FOR/OWNER:



CITY OF DEERFIELD
BEACH CRA
City of Deerfield Beach
150 NE 2nd Avenue
Deerfield Beach, FL 33441

PROJECT NAME:

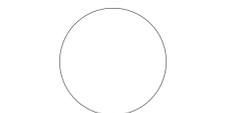
**SULLIVAN
PARK**

PROJECT LOCATION/ADDRESS:

Riverview Road and
Intracoastal Waterway
Deerfield Beach, Florida

SUB-CONSULTANT INFORMATION:

PROFESSIONAL SEAL:



MARIA C ZAPATA
FL PE NO. 54667
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SUBMITTAL DESCRIPTION / MILESTONE:

**90% CONSTRUCTION
DRAWINGS
November 10, 2014**

REVISIONS:

NO.	DESCRIPTION

KEY PLAN:



DRAWING SHEET INFORMATION:

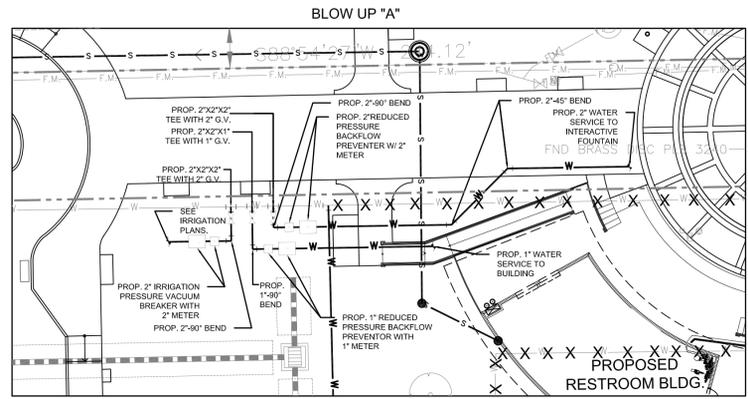
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SCALE: 1"=20'
DRAWN BY: BB
CHECKED BY: WRB

DRAWING TITLE:
UTILITY PLAN

SHEET NO.
C-7

GENERAL UTILITY NOTES

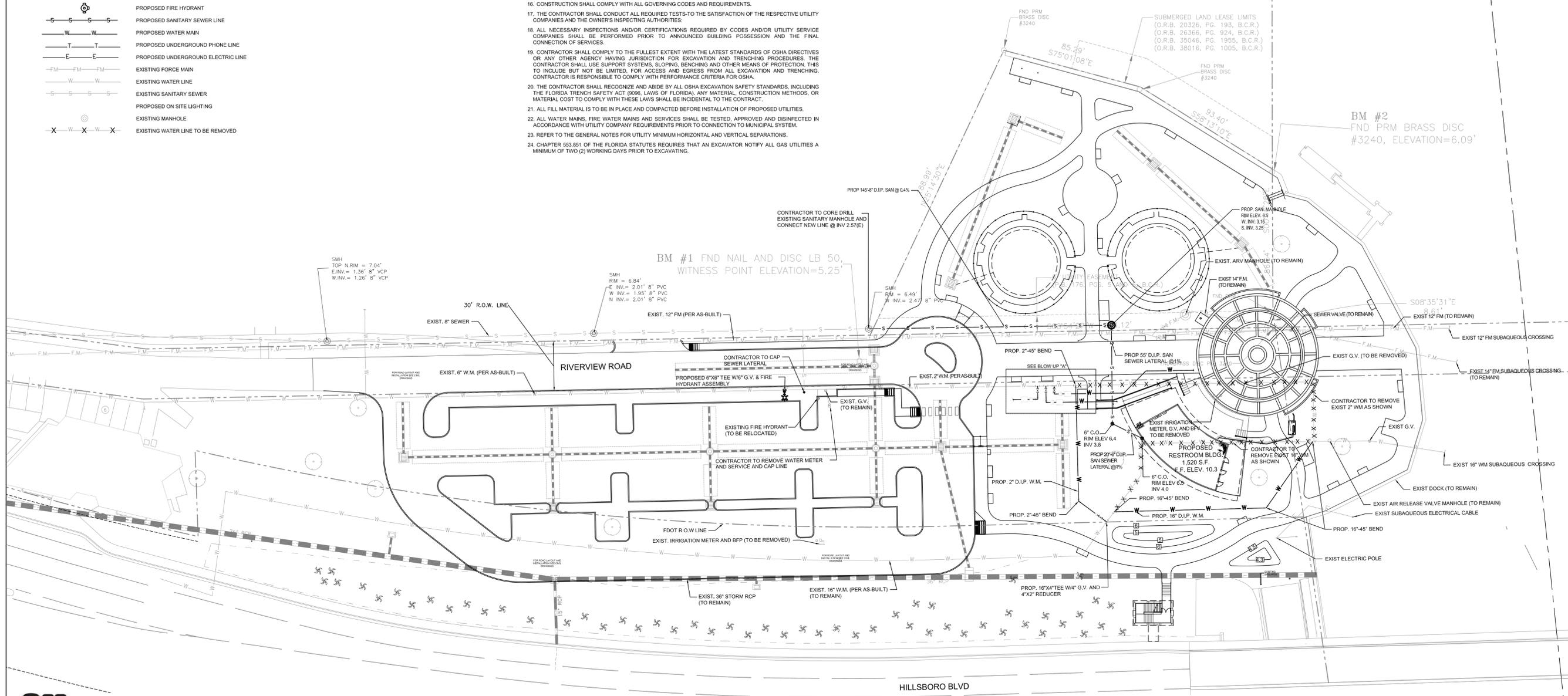
1. SEE COVER SHEET FOR A LIST OF UTILITY COMPANIES.
2. GENERAL CONTRACTOR IS TO COORDINATE WITH APPROPRIATE UTILITY COMPANIES PRIOR TO CONSTRUCTION. ADJUSTMENT OR RELOCATION OF EXISTING UTILITIES AS DESIGNATED ON PLANS.
3. THE CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITY INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
4. DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES. EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO NEW UTILITY LINES BEING INSTALLED.
5. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITY DURING CONSTRUCTION AT NO COST TO THE OWNER.
7. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, AND TELEPHONE SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES, IN SUCH A MANNER AS TO AVOID CONFLICT AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH UTILITY REQUIREMENTS AS TO LOCATION AND SCHEDULING FOR TIE-INS/ CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
8. THE TOP ELEVATION OF MANHOLES CONSTRUCTED IN PAVED AREAS SHALL MATCH FINISHED GRADE. THE TOP ELEVATION OF MANHOLES CONSTRUCTED IN GRASSED AREAS SHALL BE 4" ABOVE FINISHED GRADE (UNLESS NOTED OTHERWISE).
9. ALL MANHOLES CONSTRUCTED WITHIN PAVED AREAS SHALL BE INSTALLED WITH TRAFFIC BEARING RINGS & COVERS.
10. ALL CLEAN-OUTS WITHIN THE PAVEMENT AREA SHALL BE INSTALLED WITH TRAFFIC BEARING PARTS AS APPLICABLE.
11. CONTRACTOR SHALL GROUT AROUND ALL PIPE ENTRANCES TO SANITARY SEWER MANHOLES WITH NON-SHRINKING GROUT TO ASSURE CONNECTION IS WATER TIGHT.
12. ALL CONCRETE FOR ENCASUREMENT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS.
13. CONTRACTOR SHALL PROVIDE ALL APPURTENANCES SUCH AS CHECK VALVES, BACKFLOW PREVENTERS, ETC., AS REQUIRED BY GOVERNING AUTHORITIES.
14. ALL WATER, FORCE MAIN AND SANITARY SEWER LINES SHALL HAVE A MINIMUM OF 4' OF COVER.
15. CONTRACTOR SHALL COORDINATE INSPECTION ON ALL UTILITIES, WITH APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES DURING INSTALLATION.
16. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND REQUIREMENTS.
17. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND THE OWNER'S INSPECTING AUTHORITIES.
18. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
19. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT BE LIMITED, FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
20. THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (8966 LAWS OF FLORIDA). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.
21. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
22. ALL WATER MAINS, FIRE WATER MAINS AND SERVICES SHALL BE TESTED, APPROVED AND DISINFECTED IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS PRIOR TO CONNECTION TO MUNICIPAL SYSTEM.
23. REFER TO THE GENERAL NOTES FOR UTILITY MINIMUM HORIZONTAL AND VERTICAL SEPARATIONS.
24. CHAPTER 553.851 OF THE FLORIDA STATUTES REQUIRES THAT AN EXCAVATOR NOTIFY ALL GAS UTILITIES A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO EXCAVATING.



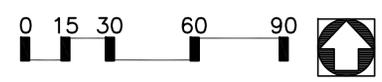
SCALE: 1"=20'

UTILITY SYMBOLS LEGEND

- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER LINE
- PROPOSED WATER MAIN
- PROPOSED UNDERGROUND PHONE LINE
- PROPOSED UNDERGROUND ELECTRIC LINE
- EXISTING FORCE MAIN
- EXISTING WATER LINE
- EXISTING SANITARY SEWER
- PROPOSED ON SITE LIGHTING
- EXISTING MANHOLE
- EXISTING WATER LINE TO BE REMOVED



NOTE: SEE DEMOLITION PLAN FOR OVERHEAD ELECTRICAL LINES DEMOLITION





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Fax (305) 860-3700

PREPARED FOR/OWNER:



CITY OF DEERFIELD
BEACH CRA
City of Deerfield Beach
150 NE 2nd Avenue
Deerfield Beach, FL 33441

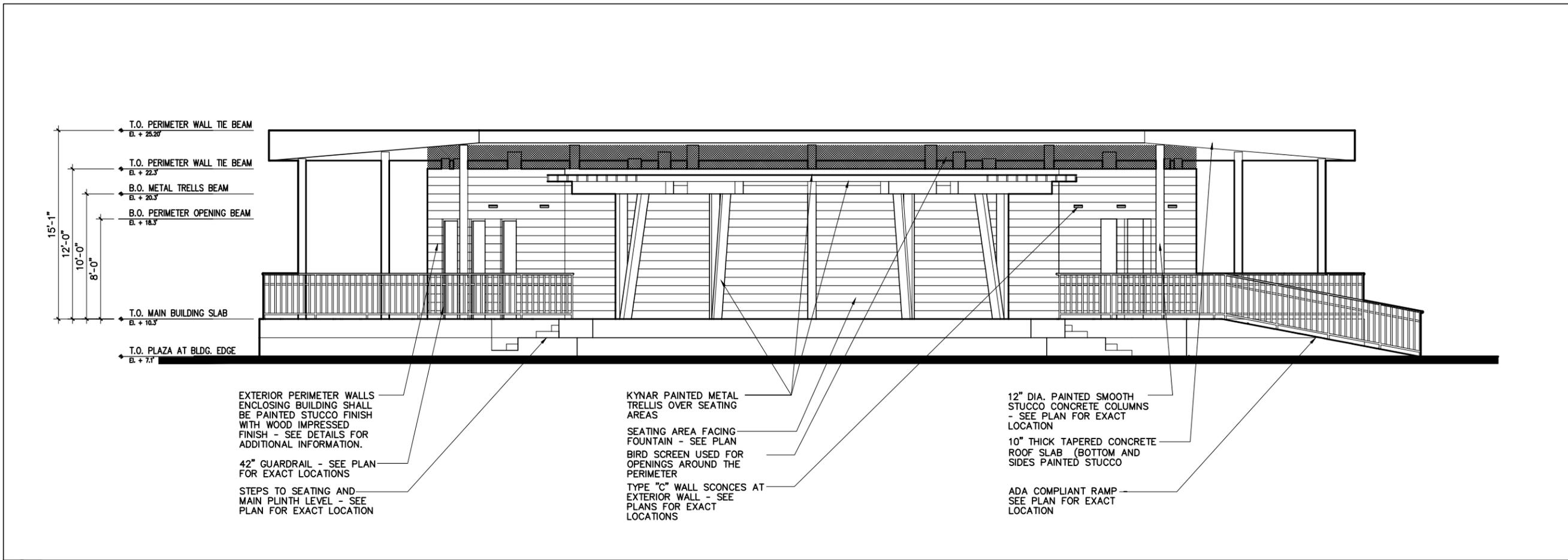
PROJECT NAME:

**SULLIVAN
PARK**

PROJECT LOCATION/ADDRESS:

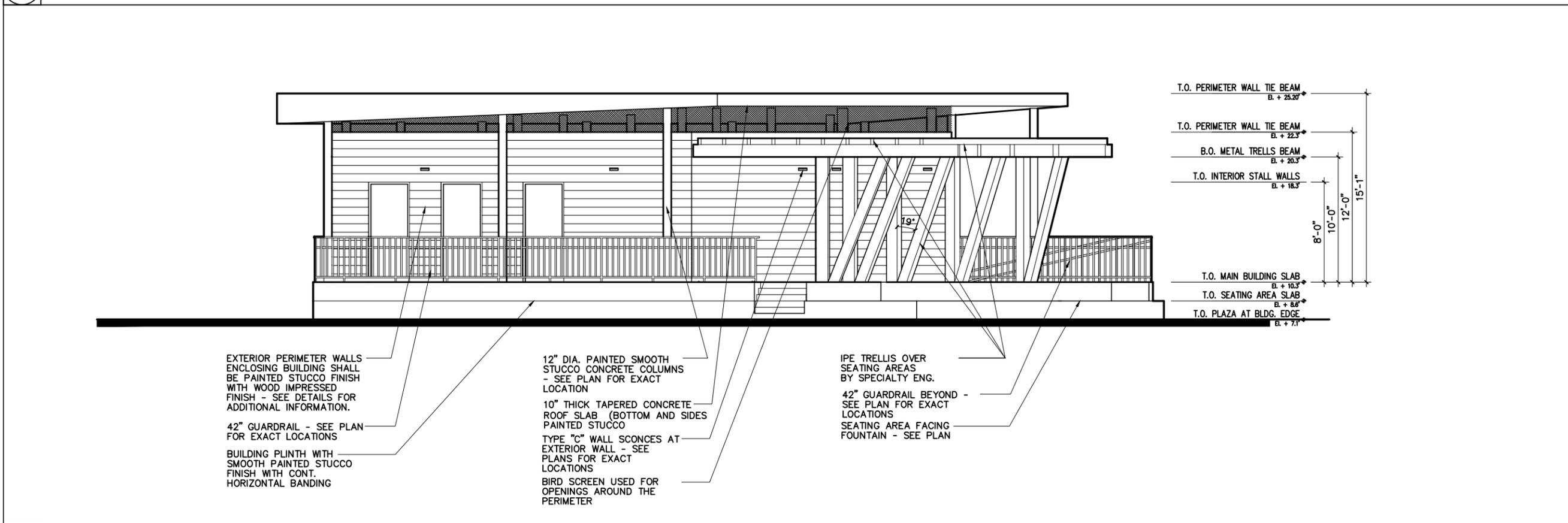
Riverview Road and
Intracoastal Waterway
Deerfield Beach, Florida

SUB-CONSULTANT INFORMATION:



2 RESTROOM BUILDING - NORTH ELEVATION

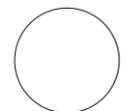
SCALE: 1/4" = 1'-0"



1 RESTROOM BUILDING - EAST ELEVATION

SCALE: 1/4" = 1'-0"

PROFESSIONAL SEAL:



PROFESSIONAL'S NAME
LICENSE NUMBER
FLORIDA REGISTERED DISCIPLINE

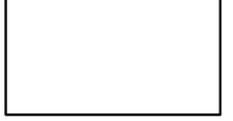
SUBMITTAL DESCRIPTION / MILESTONE:

**90% CONSTRUCTION
DRAWINGS
November 10, 2014**

REVISIONS:

NO.	DESCRIPTION

KEY PLAN



DRAWING SHEET INFORMATION:

BA PROJECT NO.: 13050
SCALE: AS NOTED
DRAWN BY: SB
CHECKED BY: TO

DRAWING TITLE:
**RESTROOM
BUILDING - E & N
ELEVATIONS**
SHEET NO.

A-2.0



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Fax (305) 860-3700

PREPARED FOR/OWNER:



CITY OF DEERFIELD
BEACH CRA
City of Deerfield Beach
150 NE 2nd Avenue
Deerfield Beach, FL 33441

PROJECT NAME:

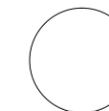
**SULLIVAN
PARK**

PROJECT LOCATION/ADDRESS:

Riverview Road and
Intracoastal Waterway
Deerfield Beach, Florida

SUB-CONSULTANT INFORMATION:

PROFESSIONAL SEAL:



PROFESSIONAL'S NAME
LICENSE NUMBER

SUBMITTAL DESCRIPTION / MILESTONE:

**90% CONSTRUCTION
DRAWINGS
November 10, 2014**

REVISIONS:

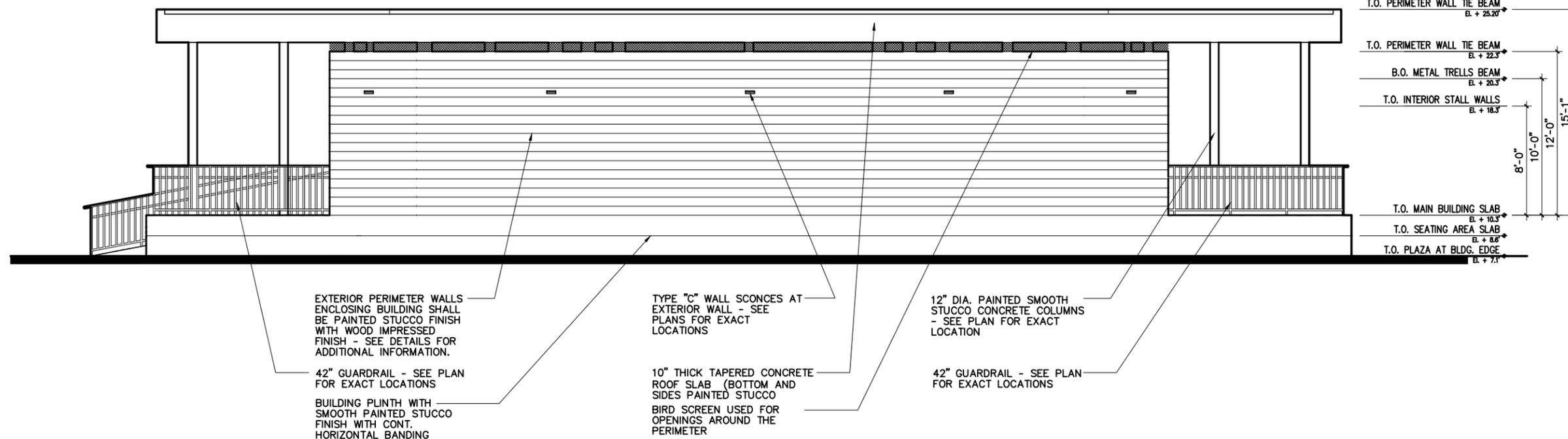
KEY PLAN

DRAWING SHEET INFORMATION:

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DRAWN BY: SB
CHECKED BY: TO

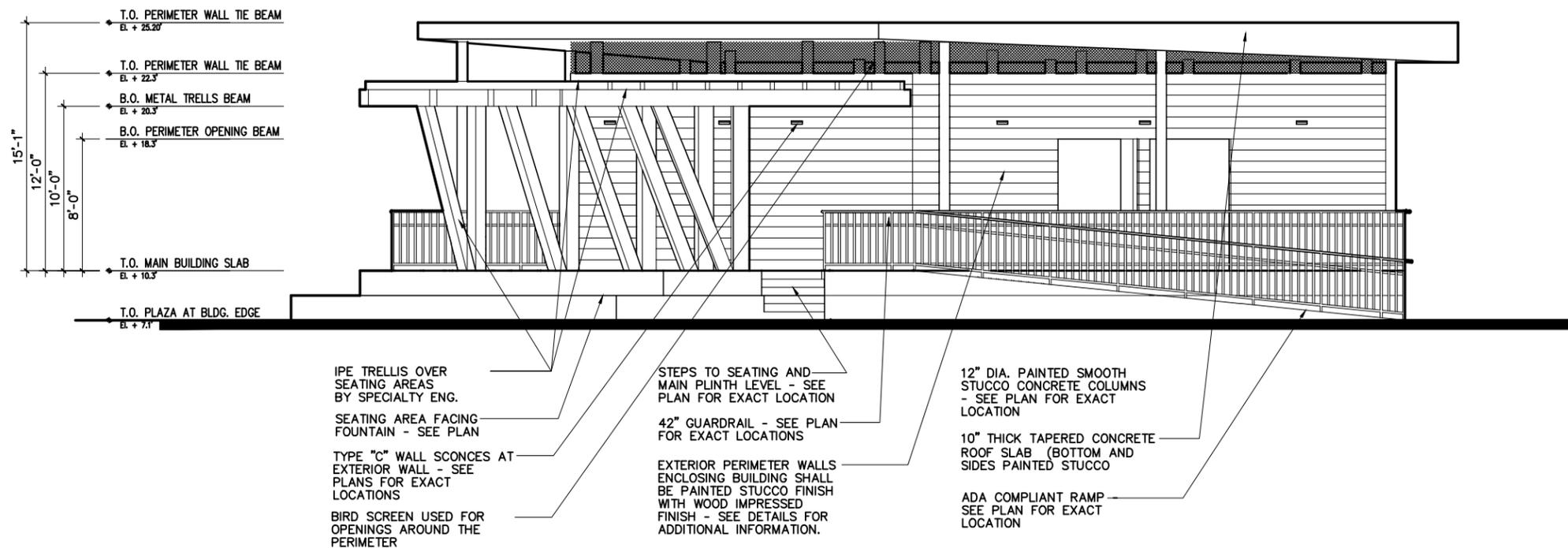
DRAWING TITLE:
**RESTROOM
BUILDING - W & S
ELEVATIONS**
SHEET NO.

A-2.1



2 RESTROOM BUILDING - SOUTH ELEVATION

A-2.1 SCALE: 1/4" = 1'-0"



1 RESTROOM BUILDING - WEST ELEVATION

A-2.1 SCALE: 1/4" = 1'-0"



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Fax (305) 860-3700

PREPARED FOR/OWNER:



CITY OF DEERFIELD BEACH CRA
City of Deerfield Beach
150 NE 2nd Avenue
Deerfield Beach, FL 33441

PROJECT NAME:

SULLIVAN PARK

PROJECT LOCATION/ADDRESS:

Riverview Road and
Intraoceanal Waterway
Deerfield Beach, Florida

SUB-CONSULTANT INFORMATION:

PROFESSIONAL SEAL:



PROFESSIONAL'S NAME
LICENSE NUMBER

SUBMITTAL DESCRIPTION / MILESTONE:

90% CONSTRUCTION DRAWINGS
November 10, 2014

REVISIONS:

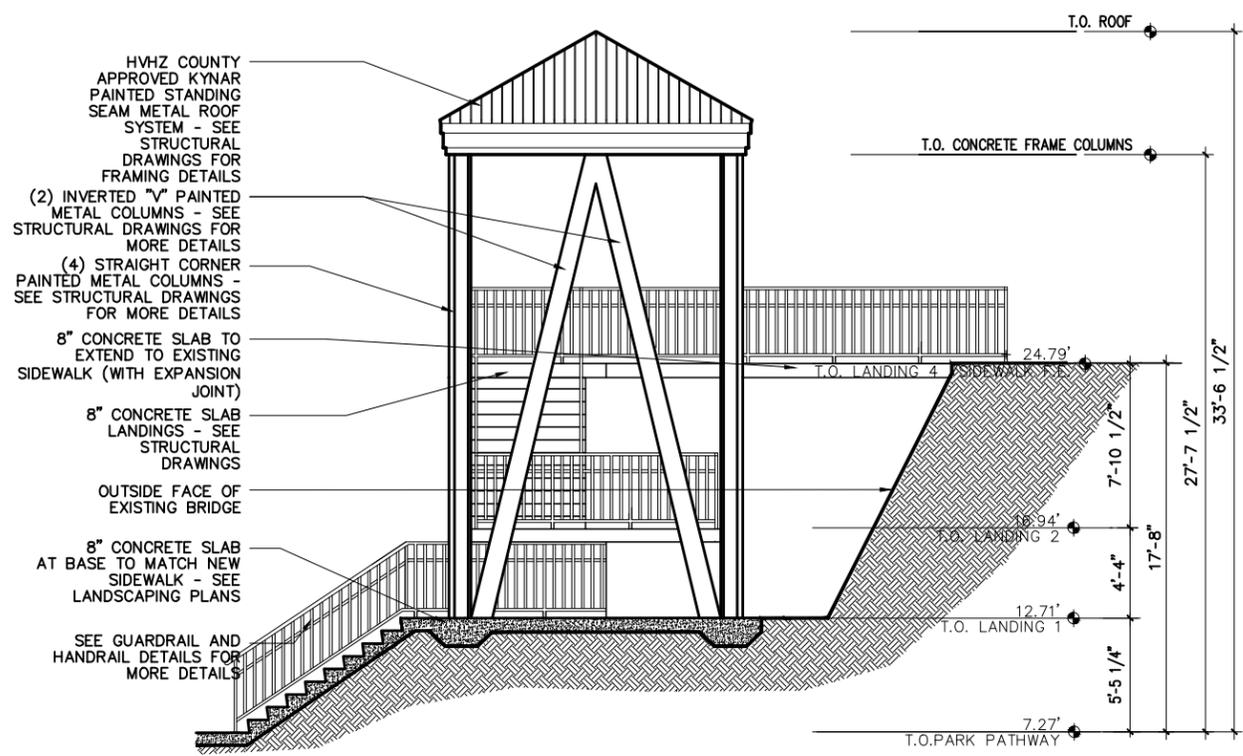
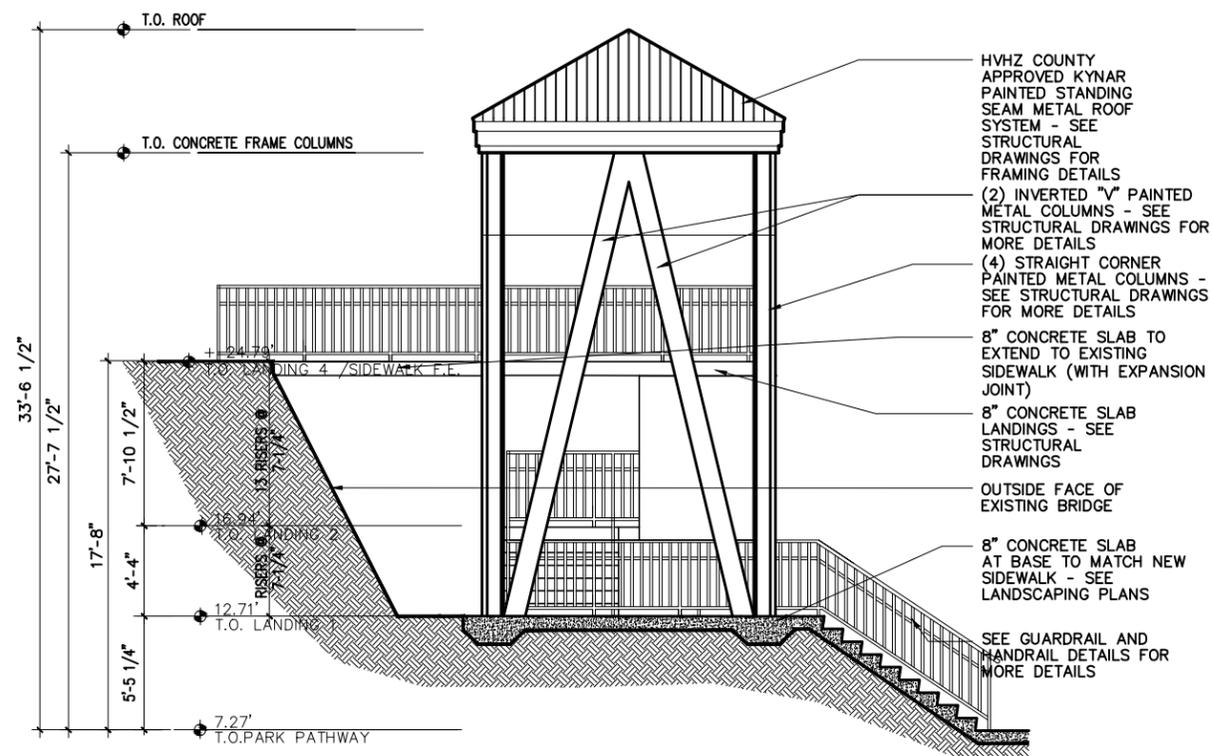
KEY PLAN

DRAWING SHEET INFORMATION:

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SCALE: AS NOTED
DRAWN BY: SB
CHECKED BY: TO

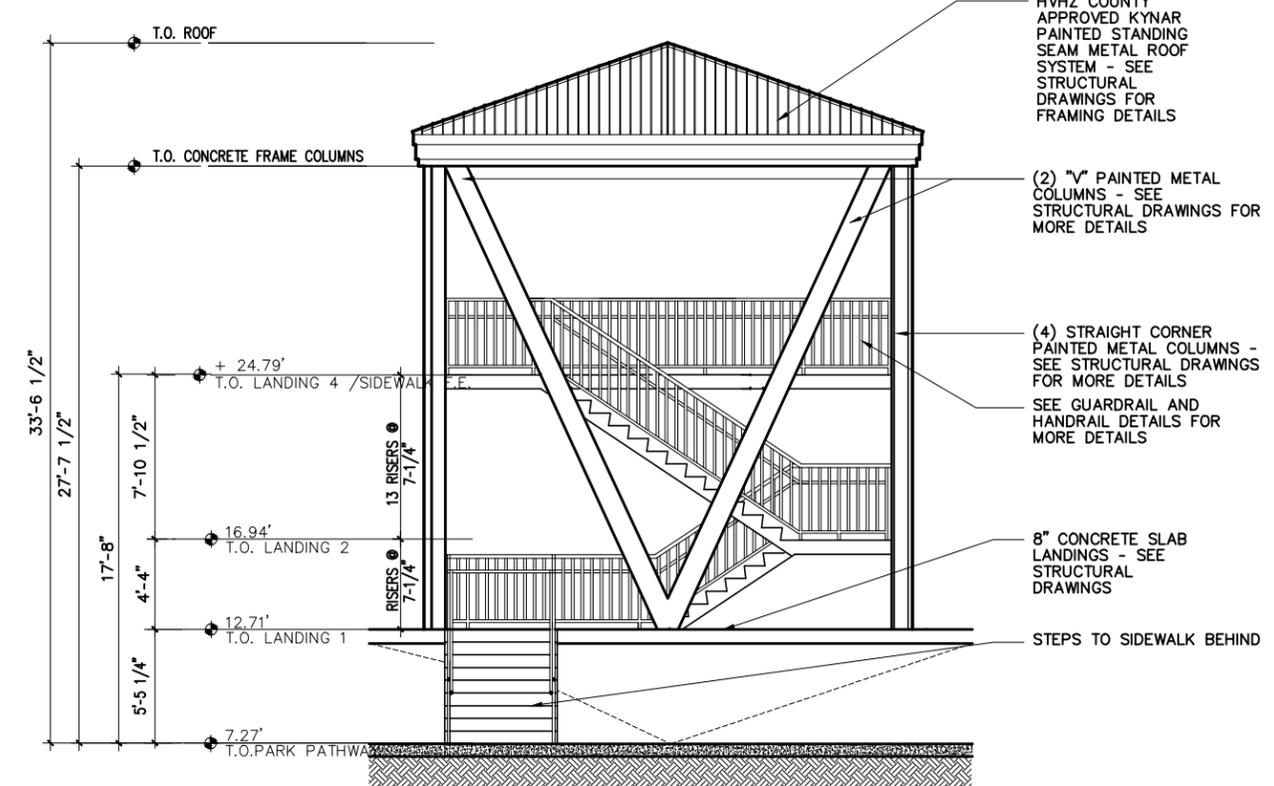
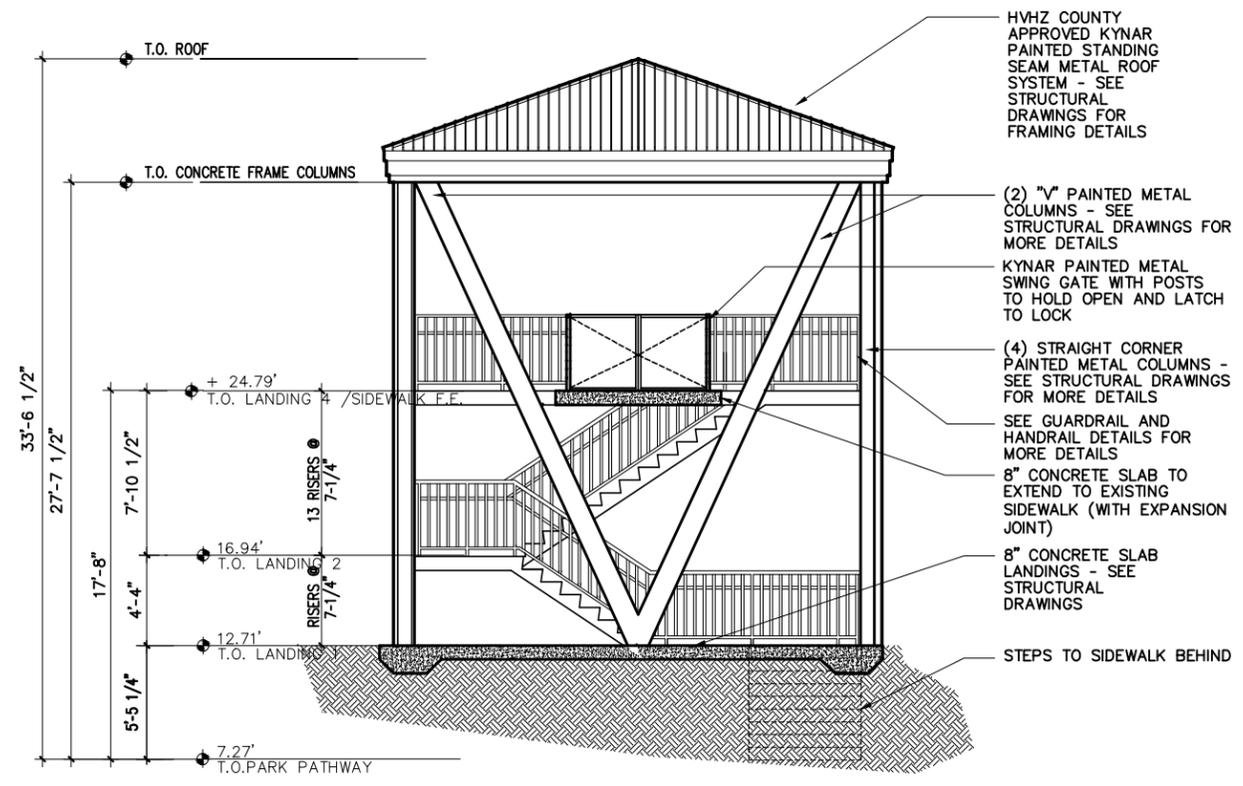
DRAWING TITLE:
STAIR TOWER ELEVATIONS
SHEET NO.

A-2.2



2 STAIR TOWER EAST ELEVATIONS
SCALE: 1/4" = 1'-0"

4 STAIR TOWER - WEST ELEVATION
SCALE: 1/4" = 1'-0"



1 STAIR TOWER - SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

3 STAIR TOWER - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



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PREPARED FOR/OWNER:

CITY OF DEERFIELD BEACH CRA
City of Deerfield Beach
150 NE 2nd Avenue
Deerfield Beach, FL 33441

PROJECT NAME:

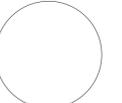
SULLIVAN PARK

PROJECT LOCATION/ADDRESS:

Riverview Road and
Intracoastal Waterway
Deerfield Beach, Florida

SUB-CONSULTANT INFORMATION:

PROFESSIONAL SEAL:



FRANK TEJIDOR No. 38847
FLORIDA REGISTERED ENGINEER

SUBMITTAL DESCRIPTION / MILESTONE:

90% CONSTRUCTION DRAWINGS
November 10, 2014

REVISIONS:

KEY PLAN



DRAWING SHEET INFORMATION:

BA PROJECT NO.: 13050
SCALE: 1" = 10' - 0"
DRAWN BY: D. PEARSON
CHECKED BY: F. TEJIDOR

DRAWING TITLE:
STRUCTURAL PIER PLAN

SHEET NO.
ST-02



1 STRUCTURAL PIER PLAN
ST-02 SCALE: 1"=10'-0"





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2601 South Bayshore Drive
Suite 1000
Miami, Florida 33133
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Fax (305) 860-3700

PREPARED FOR/OWNER:



CITY OF DEERFIELD BEACH CRA
City of Deerfield Beach
150 NE 2nd Avenue
Deerfield Beach, FL 33441

PROJECT NAME:

SULLIVAN PARK

PROJECT LOCATION/ADDRESS:

Riverview Road and
Intracoastal Waterway
Deerfield Beach, Florida

SUB-CONSULTANT INFORMATION:



DELTA G CONSULTING ENGINEERS, INC.
707 N.E. 3rd Ave., Suite 200
Fort Lauderdale, FL 33304
(564) 527-1112
CA#00009181

PROFESSIONAL SEAL:

PROF. MGR. STEVE BENDER
PROJECT # 140510

PROFESSIONAL SEAL:

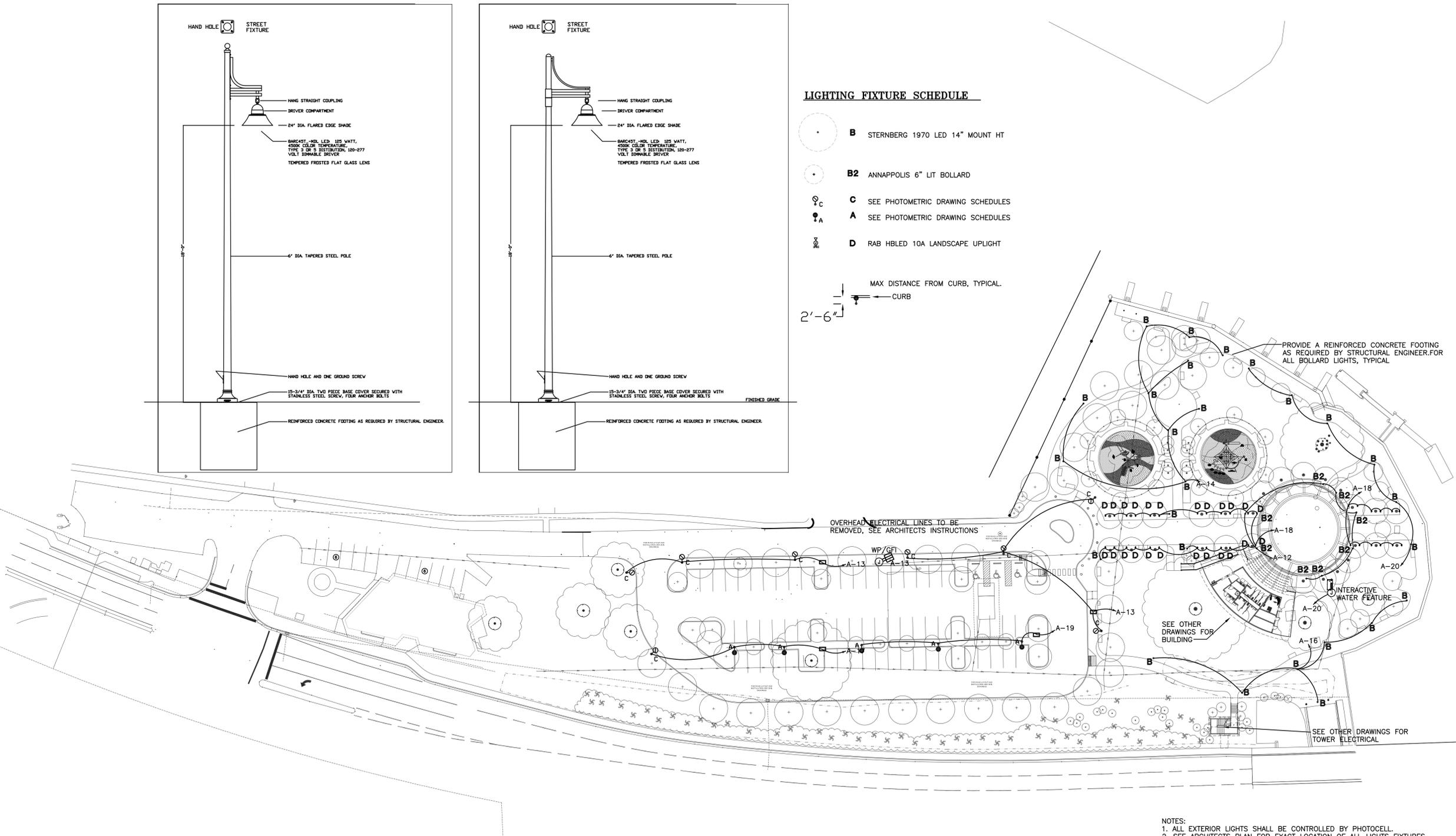
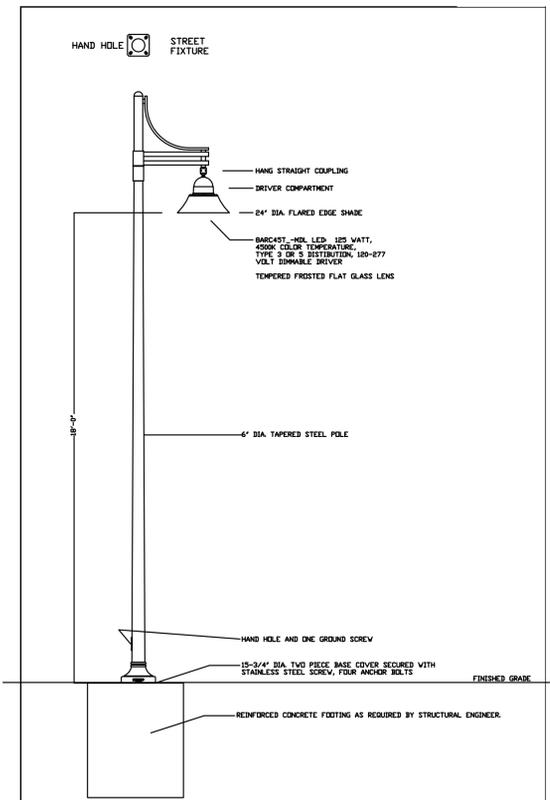
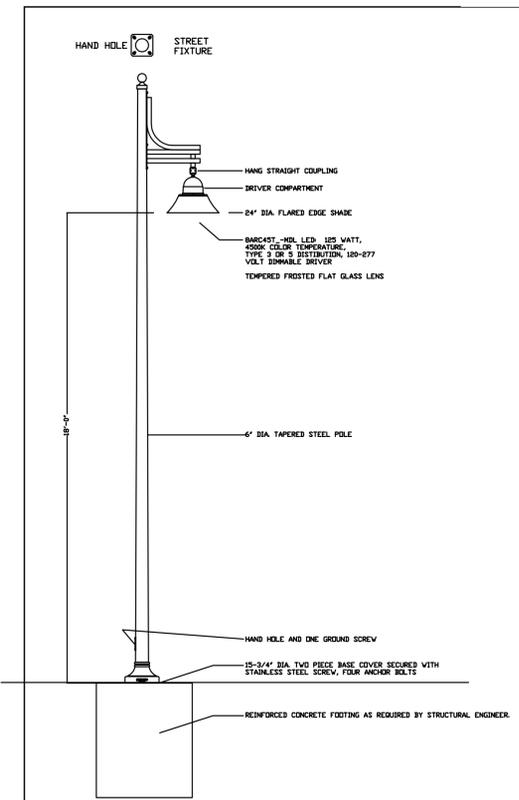
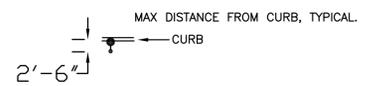


STEVE BENDER, P.E.
P.E. # 58998
FLORIDA REGISTERED ENGINEER

SUBMITTAL DESCRIPTION / MILESTONE:

LIGHTING FIXTURE SCHEDULE

- B** STERNBERG 1970 LED 14" MOUNT HT
- B2** ANNAPOLIS 6" LIT BOLLARD
- C** SEE PHOTOMETRIC DRAWING SCHEDULES
- A** SEE PHOTOMETRIC DRAWING SCHEDULES
- D** RAB HBLEED 10A LANDSCAPE UPLIGHT



ELECTRICAL SITE PLAN

SCALE: 1"=40'

NOTES:
1. ALL EXTERIOR LIGHTS SHALL BE CONTROLLED BY PHOTOCCELL.
2. SEE ARCHITECTS PLAN FOR EXACT LOCATION OF ALL LIGHTS FIXTURES

REVISIONS:

KEY PLAN

DRAWING SHEET INFORMATION:
BA PROJECT NO.: 13050
SCALE: AS NOTED
DRAWN BY: KJO
CHECKED BY: RPH

DRAWING TITLE:
ELECTRICAL SITE PLAN
SHEET NO.
EE-01



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PREPARED FOR/OWNER:



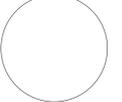
CITY OF DEERFIELD BEACH CRA
 City of Deerfield Beach
 150 NE 2nd Avenue
 Deerfield Beach, FL 33441

PROJECT NAME:
SULLIVAN PARK

PROJECT LOCATION/ADDRESS:
 Riverview Road and
 Intracoastal Waterway
 Deerfield Beach, Florida

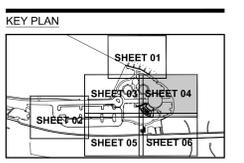
SUB-CONSULTANT INFORMATION:

PROFESSIONAL SEAL:


 KIRK J. OLNEY
 LANDSCAPE ARCHITECT
 FLORIDA REGISTERED LANDSCAPE ARCHITECT
 SUBMITTAL DESCRIPTION / MILESTONE:

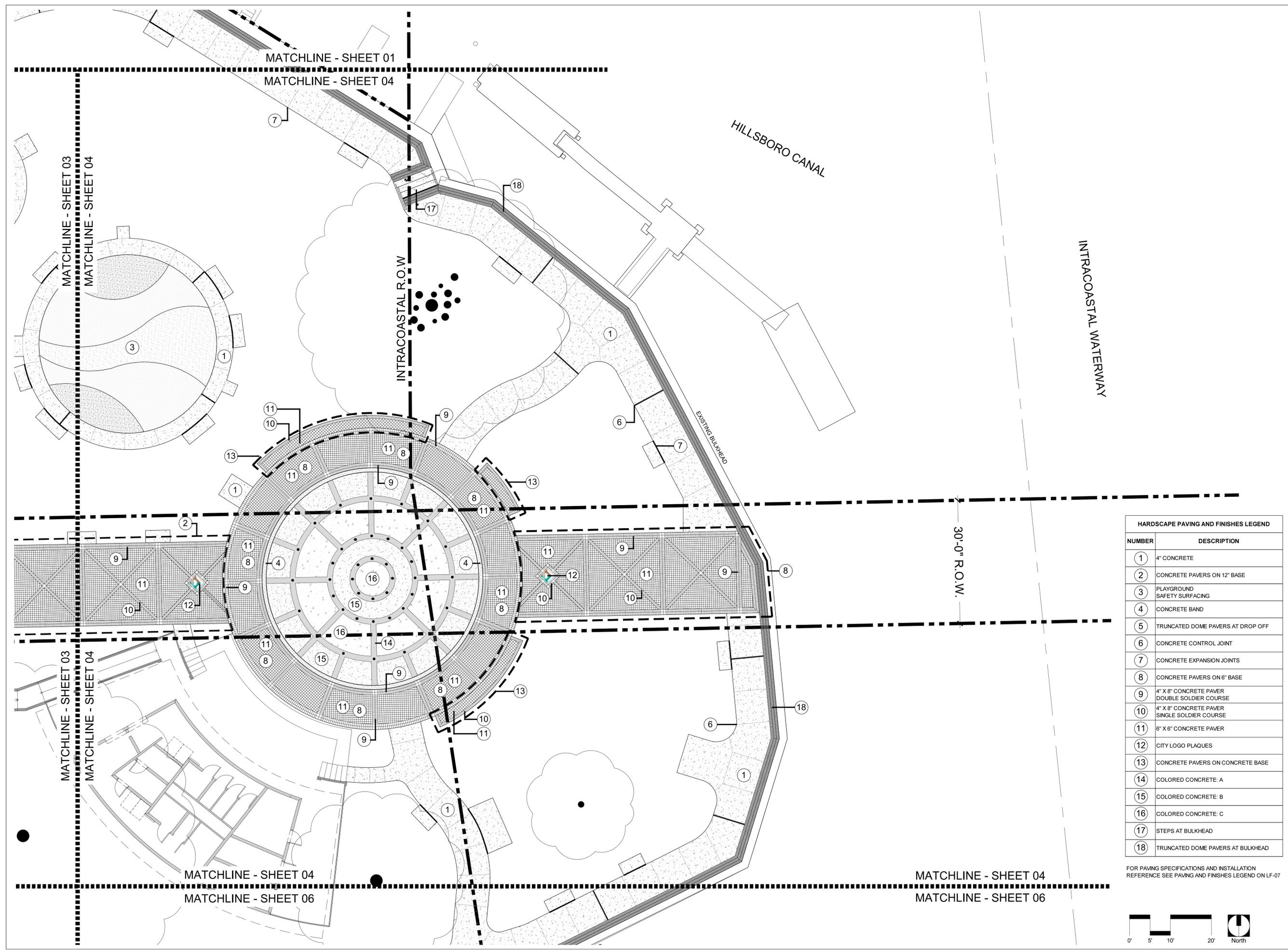
90% CONSTRUCTION DRAWINGS
 November 10, 2014

REVISIONS:



DRAWING SHEET INFORMATION:
 BA PROJECT NO.: 13050
 SCALE: 1" = 10' - 0"
 DRAWN BY: AFP
 CHECKED BY: RPH/KJO

DRAWING TITLE:
HARDSCAPE PAVING AND FINISHES
PLAN
 SHEET NO.
LF-04



HARDSCAPE PAVING AND FINISHES LEGEND	
NUMBER	DESCRIPTION
1	4" CONCRETE
2	CONCRETE PAVERS ON 12" BASE
3	PLAYGROUND SAFETY SURFACING
4	CONCRETE BAND
5	TRUNCATED DOME PAVERS AT DROP OFF
6	CONCRETE CONTROL JOINT
7	CONCRETE EXPANSION JOINTS
8	CONCRETE PAVERS ON 6" BASE
9	4" X 8" CONCRETE PAVER DOUBLE SOLDIER COURSE
10	4" X 8" CONCRETE PAVER SINGLE SOLDIER COURSE
11	6" X 6" CONCRETE PAVER
12	CITY LOGO PLAQUES
13	CONCRETE PAVERS ON CONCRETE BASE
14	COLORED CONCRETE: A
15	COLORED CONCRETE: B
16	COLORED CONCRETE: C
17	STEPS AT BULKHEAD
18	TRUNCATED DOME PAVERS AT BULKHEAD

FOR PAVING SPECIFICATIONS AND INSTALLATION
 REFERENCE SEE PAVING AND FINISHES LEGEND ON LF-07





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PREPARED FOR/OWNER:



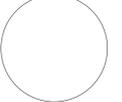
CITY OF DEERFIELD BEACH CRA
 City of Deerfield Beach
 150 NE 2nd Avenue
 Deerfield Beach, FL 33441

PROJECT NAME:
SULLIVAN PARK

PROJECT LOCATION/ADDRESS:
 Riverview Road and Intracoastal Waterway
 Deerfield Beach, Florida

SUB-CONSULTANT INFORMATION:

PROFESSIONAL SEAL:

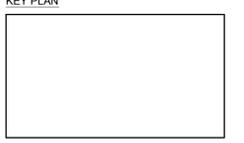


KIRK J. OLNEY
 LAD0001726
 FLORIDA REGISTERED LANDSCAPE ARCHITECT
 SUBMITTAL DESCRIPTION / MILESTONE:

90% CONSTRUCTION DRAWINGS
November 10, 2014

REVISIONS:

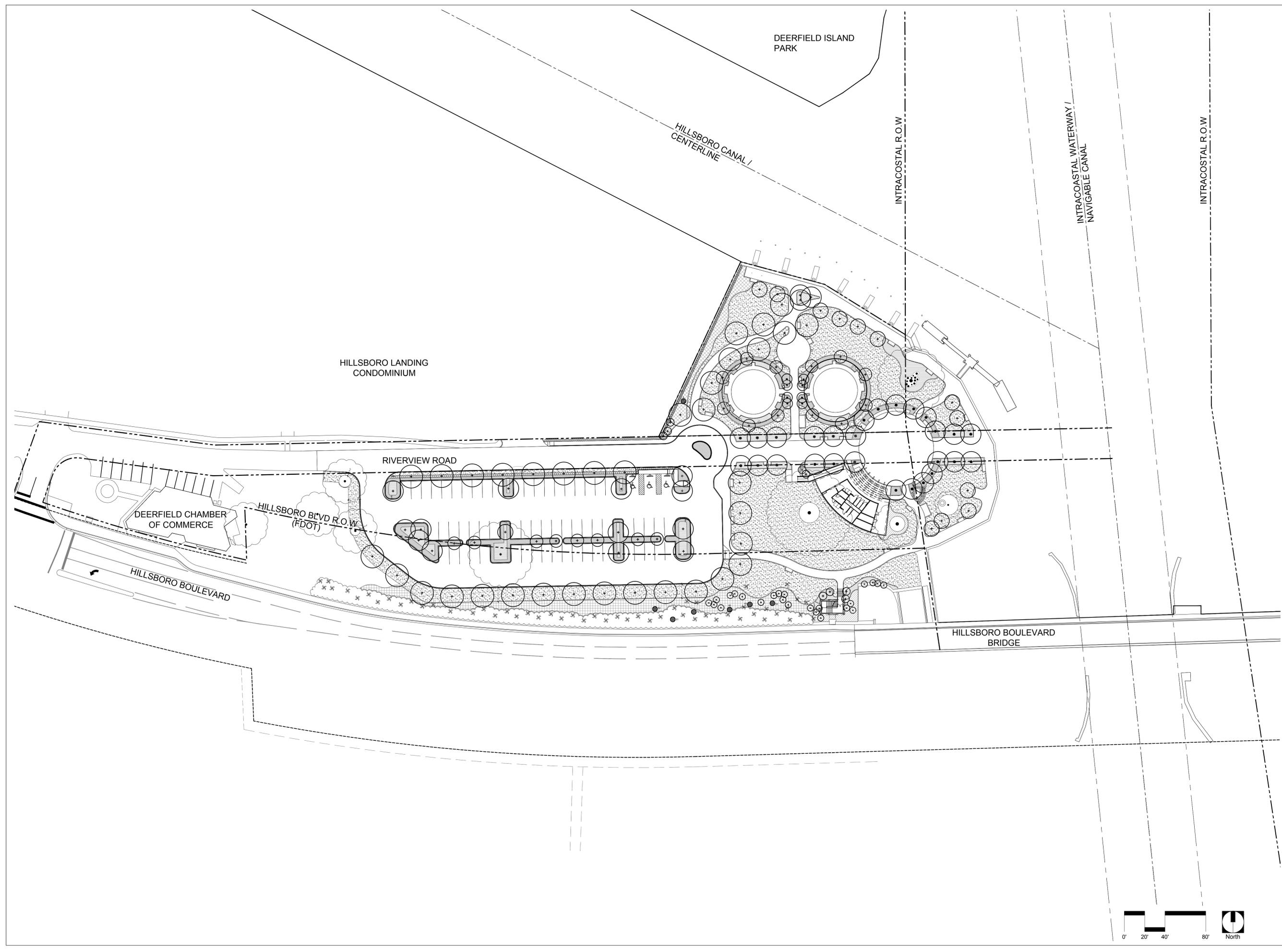
KEY PLAN

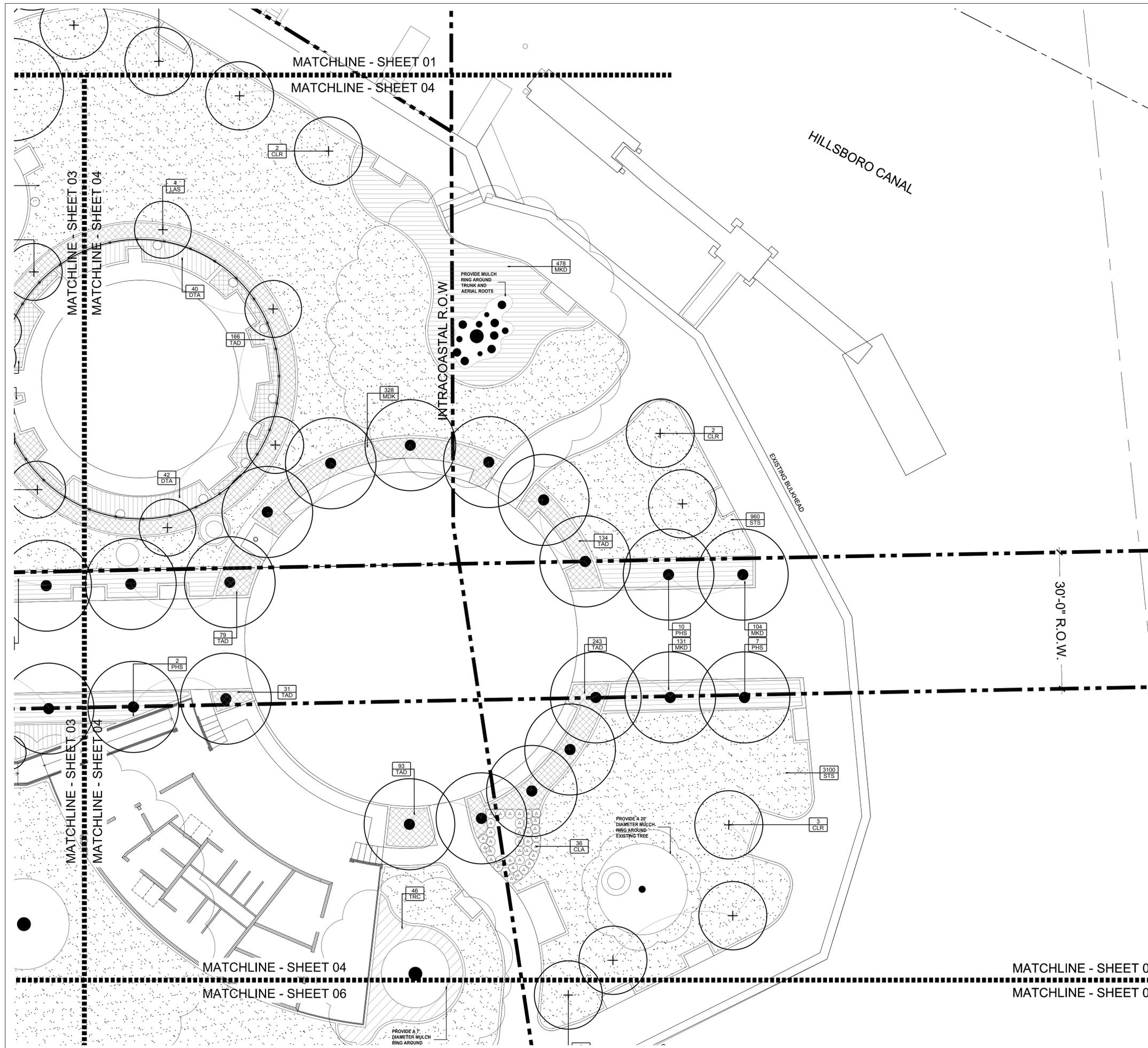


DRAWING SHEET INFORMATION:

BA PROJECT NO.: 13050
 SCALE: 1" = 10' - 0"
 DRAWN BY: AFP
 CHECKED BY: RPH/KJO

DRAWING TITLE:
OVERALL LANDSCAPE PLAN
 SHEET NO.
LL-00





ABBREVIATED PLANT MATERIAL LIST

CANOPY TREES		
SYMBOL	QUANTITY	BOTANICAL NAME
BUS	16	<i>Bursera simaruba</i>
COU	1	<i>Coccoloba uvifera</i>
QUV	35	<i>Quercus virginiana</i>
ORNAMENTAL TREES		
SYMBOL	QUANTITY	BOTANICAL NAME
LAS	20	<i>Lagerstroemia speciosa</i>
CLR	12	<i>Clusia rosa</i>
PPB	9	<i>Plumeria pudica</i>
PALMS		
SYMBOL	QUANTITY	BOTANICAL NAME
AMC	8	<i>Adonia Merrillii</i>
PHS	27	<i>Phoenix sylvestris</i>
LARGE AND MEDIUM SHRUBS		
SYMBOL	QUANTITY	BOTANICAL NAME
DTA	215	<i>Dianella tasmanica 'Variegata'</i>
CHI	144	<i>Chrysobalanus icaco 'Red Tip'</i>
CLA	276	<i>Clusia rosa</i>
LIC	24	<i>Livistona chinensis</i>
TRC	160	<i>Tripsacum dactyloides</i>
TRF	312	<i>Tripsacum floridanum</i>
GROUNDCOVER		
SYMBOL	QUANTITY	BOTANICAL NAME
IPC	612	<i>Ipomoea pes-caprae</i>
TAD	8368	<i>Trachelospermum asiaticum</i>
MKD	1895	<i>Microsorium diversifolium</i>
SOD		
SYMBOL	QUANTITY	BOTANICAL NAME
STS	36820 S.F.	<i>Stenotaphrum secundatum 'Floratum'</i>
RELOCATED TREES & PALMS		
SYMBOL	QUANTITY	BOTANICAL NAME
REL	7	Relocated Trees

FOR EXPANDED AND COMPLETE PLANT MATERIAL LIST SEE LL-09

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PREPARED FOR/OWNER:

CITY OF DEERFIELD BEACH CRA
 City of Deerfield Beach
 150 NE 2nd Avenue
 Deerfield Beach, FL 33441

PROJECT NAME:
SULLIVAN PARK

PROJECT LOCATION/ADDRESS:
 Riverview Road and Intracoastal Waterway
 Deerfield Beach, Florida

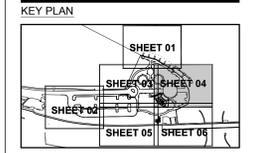
SUB-CONSULTANT INFORMATION:

PROFESSIONAL SEAL:

KIRK J. OLNEY
 LA000178
 FLORIDA REGISTERED LANDSCAPE ARCHITECT
 SUBMITTAL DESCRIPTION / MILESTONE:

90% CONSTRUCTION DRAWINGS
 November 10, 2014

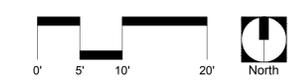
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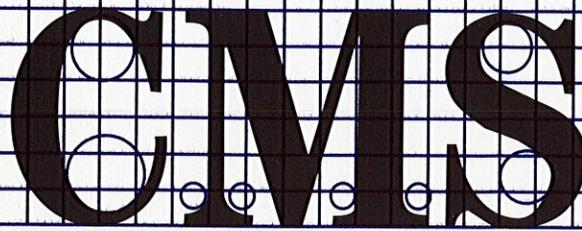


DRAWING SHEET INFORMATION:
 BA PROJECT NO.: 13050
 SCALE: 1" = 10' - 0"
 DRAWN BY: AFP
 CHECKED BY: RPH/KJO

DRAWING TITLE:
LANDSCAPE PLAN

SHEET NO.
LL-04





CONSTRUCTION MANAGEMENT SERVICES, INC.

10 Fairway Drive • Suite 301 • Deerfield Beach, Florida 33441 • 954-481-1611 • FAX 954-427-3142

**SULLIVAN PARK IMPROVEMENTS
150 NE 2ND AVENUE
DEERFIELD BEACH, FL 33441**

**90% CONSTRUCTION DOCUMENTS
COST ESTIMATE
December 24, 2014**

**PREPARED FOR:
CITY OF DEERFIELD BEACH
COMMUNITY REDEVELOPMENT AGENCY**

**PREPARED BY:
CMS-CONSTRUCTION MANAGEMENT SERVICES, INC.
CMS FILE # 2143 CD-90%**

Quantity Surveyors • Construction Managers

CMS-Construction Management Services, Inc.
 10 Fairway Drive, Suite 301
 Deerfield Beach, FL 33441
 954-481-1611
 CMS FILE # 2143 CD-90%

SULLIVAN PARK IMPROVEMENTS
150 NE 2ND AVENUE
DEERFIELD BEACH, FL 33441

90% CONSTRUCTION DOCUMENTS
COST ESTIMATE
December 24, 2014

PREPARED FOR:
CITY OF DEERFIELD BEACH
COMMUNITY REDEVELOPMENT AGENCY

MAIN SUMMARY

DIVISION	DESCRIPTION	AMOUNT	% of TOTAL
01000	GENERAL CONDITIONS	\$ 504,990.40	10.81%
02000	EXISTING CONDITIONS	\$ 83,117.89	1.78%
03000	CONCRETE	\$ 143,673.62	3.07%
04000	MASONRY	\$ 61,595.02	1.32%
05000	METALS	\$ 105,096.89	2.25%
06000	WOOD AND PLASTICS	\$ 21,404.03	0.46%
07000	THERMAL / MOISTURE PROTECTION	\$ 19,352.66	0.41%
08000	DOORS AND WINDOWS	\$ 14,690.00	0.31%
09000	FINISHES	\$ 105,363.15	2.26%
10000	SPECIALTIES / SIGNAGE	\$ 35,154.00	0.75%
11000	EQUIPMENT (N/A)	\$ -	0.00%
12000	FURNISHINGS (N/A)	\$ -	0.00%
13000	SPECIAL CONSTRUCTION (N/A)	\$ -	0.00%
14000	CONVEYING SYSTEMS	\$ -	0.00%
21000	FIRE	\$ -	0.00%
22000	PLUMBING	\$ 46,696.65	1.00%
23000	HVAC	\$ -	0.00%
26000	ELECTRICAL	\$ 353,707.68	7.57%
27000	TECHNOLOGY	\$ -	0.00%
28000	ELECTRONIC SAFETY & SECURITY	\$ -	0.00%
31000	EARTHWORK	\$ 313,996.34	6.72%
32000	EXTERIOR IMPROVEMENTS	\$ 1,764,500.33	37.76%
33000	SITE UTILITIES	\$ 411,822.50	8.81%
	SUBTOTAL	\$ 3,985,161.16	85.29%
4.00%	G.C. OVERHEAD	\$ 159,406.45	3.41%
	SUBTOTAL	\$ 4,144,567.60	88.70%
6.00%	G.C. PROFIT	\$ 248,674.06	5.32%
	SUBTOTAL	\$ 4,393,241.66	94.03%
1.29%	BOND	\$ 56,672.82	1.21%
	SUBTOTAL	\$ 4,449,914.48	95.24%
5.00%	DESIGN CONTINGENCY	\$ 222,495.72	4.76%
	TOTAL PROBABLE CONSTRUCTION COST	\$ 4,672,410.20	100.00%

CMS-Construction Management Services, Inc.
 10 Fairway Drive, Suite 301
 Deerfield Beach, FL 33441
 954-481-1611
 CMS FILE # 2143 CD-90%

SULLIVAN PARK IMPROVEMENTS
 150 NE 2ND AVENUE
 DEERFIELD BEACH, FL 33441

90% CONSTRUCTION DOCUMENTS
 COST ESTIMATE
 December 24, 2014

PREPARED FOR:
 CITY OF DEERFIELD BEACH
 COMMUNITY REDEVELOPMENT AGENCY

SCHEDULE OF VALUES

DIVISION	DESCRIPTION	STAIR TOWER		SITWORK		RESTROOM BUILDING	
		AMOUNT	% of TOTAL	AMOUNT	% of TOTAL	AMOUNT	% of TOTAL
01000	GENERAL CONDITIONS	15,348.49	10.81%	418,875.65	10.81%	70,766.26	10.81%
02000	EXISTING CONDITIONS	5,000.00	3.52%	78,117.89	2.02%	-	0.00%
03000	CONCRETE	36,113.55	25.43%	-	0.00%	107,560.07	16.43%
04000	MASONRY	-	0.00%	-	0.00%	61,595.02	9.41%
05000	METALS	19,195.40	13.52%	-	0.00%	85,901.48	13.12%
06000	WOOD AND PLASTICS	21,132.03	14.88%	-	0.00%	272.00	0.04%
07000	THERMAL / MOISTURE PROTECTION	5,678.66	4.00%	-	0.00%	13,674.00	2.09%
08000	DOORS AND WINDOWS	-	0.00%	-	0.00%	14,690.00	2.24%
09000	FINISHES	2,597.76	1.83%	-	0.00%	102,765.39	15.70%
10000	SPECIALTIES / SIGNAGE	-	0.00%	22,150.00	0.57%	13,004.00	1.99%
11000	EQUIPMENT (N/A)	-	0.00%	-	0.00%	-	0.00%
12000	FURNISHINGS (N/A)	-	0.00%	-	0.00%	-	0.00%
13000	SPECIAL CONSTRUCTION (N/A)	-	0.00%	-	0.00%	-	0.00%
14000	CONVEYING SYSTEMS	-	0.00%	-	0.00%	-	0.00%
21000	FIRE	-	0.00%	-	0.00%	-	0.00%
22000	PLUMBING	-	0.00%	-	0.00%	46,696.65	7.13%
23000	HVAC	-	0.00%	-	0.00%	-	0.00%
26000	ELECTRICAL	16,057.60	11.31%	296,118.90	7.64%	41,531.18	6.34%
27000	TECHNOLOGY	-	0.00%	-	0.00%	-	0.00%
28000	ELECTRONIC SAFETY & SECURITY	-	0.00%	-	0.00%	-	0.00%
31000	EARTHWORK	-	0.00%	313,996.34	8.10%	-	0.00%
32000	EXTERIOR IMPROVEMENTS	-	0.00%	1,764,500.33	45.53%	-	0.00%
33000	SITE UTILITIES	-	0.00%	411,822.50	10.63%	-	0.00%
	SUBTOTAL	121,123.50	85.29%	3,305,581.62	85.29%	558,456.05	85.29%
4.00%	G.C. OVERHEAD	4,844.94		132,223.26		22,338.24	
	SUBTOTAL	125,968.44	88.70%	3,437,804.88	88.70%	580,794.29	88.70%
6.00%	G.C. PROFIT	7,558.11		206,268.29		34,847.66	
	SUBTOTAL	133,526.54	94.03%	3,644,073.17	94.03%	615,641.94	94.03%
1.29%	BOND	1,722.49		47,008.54		7,941.78	
	SUBTOTAL	135,249.03	95.24%	3,691,081.72	95.24%	623,583.73	95.24%
5.00%	DESIGN CONTINGENCY	6,762.45	4.76%	184,554.09	4.76%	31,179.19	4.76%
TOTAL PROBABLE CONSTRUCTION COST		142,011.49	100.00%	3,875,635.80	100.00%	654,762.91	100.00%
	PROJECT SITE SF.		SITE GSF.	130,519.00	BLDG. GSF.	1,520.00	
			SITE COST PER GSF.	\$ 29.69	BLDG. COST PER GSF.	\$ 430.77	

QUALIFICATIONS

CMS-Construction Management Services, Inc.
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150 NE 2ND AVENUE
DEERFIELD BEACH, FL 33441

90% CONSTRUCTION DOCUMENTS
COST ESTIMATE
December 24, 2014

PREPARED FOR:
CITY OF DEERFIELD BEACH
COMMUNITY REDEVELOPMENT AGENCY

QUALIFICATIONS

ITEM

1	THIS ESTIMATE ASSUMES A STANDARD OPEN-BID PROCESS.
	IF TYPE OF CONTRACT IS "CM -AT- RISK" ADD APPROXIMATELY 10 TO 15% TO THE COST.
2	GENERAL CONDITIONS ARE BASED ON AN 8-MONTH CONSTRUCTION TIME
3	THIS ESTIMATE IS BASED ON 90% CONSTRUCTION DOCUMENTS BY BERMELLO AJAMIL & PARTNERS DATED 11/10/2014. NO SPECIFICATION DOCUMENT WAS PROVIDED. ESTIMATE IS BASED ON ALL ITEMS ON THE DRAWINGS.
4	Due to the present volatile nature of the construction market, construction material cost could change substantially prior to construction.
5	Utility Connection and Impact Fees are Assumed to be BY OWNER and are NOT INCLUDED
6	Off-site Storage is NOT INCLUDED.
7	Night Watchman/Security Guard Services are NOT INCLUDED.
8	Testing is NOT INCLUDED.
9	Asbestos and Lead Paint Abatement/Removal is NOT INCLUDED.
10	Marine Piles are included only as shown on Plan.
11	Flag Pole and Monument Sign(s) are NOT INCLUDED.
12	HVAC, Intrusion Detection, Fire Alarm, Fire Suppression, and Tele/Data are NOT included.
13	An Allowance of \$10,000 is included for Secondary Electrical Service.
14	No work is included at the Shopping Center Connector (under the bridge).
15	Water Main relocation by owner - NOT INCLUDED.
16	Removal & replacement of FP&L lines by others - NOT INCLUDED.
17	Staff comments on 90% CD's dated 12/15/2014 - Quantity & Cost adjustments were made for items 2, 7, 10, 27, 44, 56, 63, 73, 74, 80, 83, 86, 93, 95. Quantity & adjustments NOT MADE for all other items.
18	The presence of groundwater & limestone if encountered - NOT INCLUDED.

GENERAL CONDITIONS

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GENERAL CONDITIONS

#	Description	Quantity	Unit	Cost / Unit	TOTAL COST	Sub-Total
	CONSTRUCTION DURATION					
		8	Mo.			
		34	Wk.			
		244	Days			
	CONSTRUCTION LIABILITY					
1	G.C. liability	1	LS	\$ 49,500.00	\$ 49,500.00	
2	Builder's Risk Insurance	1	LS	\$ 56,250.00	\$ 56,250.00	
3	Building Permit Allowance	1	Alw	\$ 46,350.00	\$ 46,350.00	
4	Subcontractor Bonds	1	LS	\$ 46,575.00	\$ 46,575.00	
5	Initial CPM Schedule	1	LS	\$ 1,100.00	\$ 1,100.00	
6	Monthly CPM Schedule Update	7	Mo.	\$ 500.00	\$ 3,500.00	
	SUBTOTAL					\$ 203,275
	Mobilization					
1	Connect to Existing Power Service (FPL Connection)	1	LS	\$ 7,500.00	\$ 7,500.00	
2	Temporary Meters Connect to Existing Power Service	1	LS	\$ 1,125.00	\$ 1,125.00	
3	Temporary Water Meters & Connect to Existing Service	1	LS	\$ 1,200.00	\$ 1,200.00	
4	Mobile Office Mobilization & Demobilization	1	LS	\$ 2,500.00	\$ 2,500.00	
	SUBTOTAL					\$ 12,325
	Project Supervision					
1	Project Manager	20	Wk.	\$ 2,100.00	\$ 42,000.00	
2	Job Site Project Superintendent	34	Wk.	\$ 1,975.00	\$ 67,150.00	
3	Office Support Staff	34	Wk.	\$ 1,400.00	\$ 47,600.00	
4	Field Engineer	10	Wk.	\$ 1,500.00	\$ 15,000.00	
	SUBTOTAL					\$ 171,750
	As Built					
1	Certified "As Built" Drawings	1	LS	\$ 500.00	\$ 500.00	
	SUBTOTAL					\$ 500
	Testing & Surveying					
1	Building Survey, Layout (2 Person Crew)	1	LS	\$ 2,200.00	\$ 2,200.00	
2	Field Engineering Grades, Layout, Survey	1	LS	\$ 2,500.00	\$ 2,500.00	
3	Final Survey	1	LS	\$ 2,600.00	\$ 2,600.00	
	SUBTOTAL					\$ 7,300
	Photographic Records					
1	Monthly Progress Photos	8	Mo.	\$ 250.00	\$ 2,000.00	
2	Aerial Photos	8	Mo.	\$ 125.00	\$ 1,000.00	
	SUBTOTAL					\$ 3,000

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GENERAL CONDITIONS

#	Description	Quantity	Unit	Cost / Unit	TOTAL COST	Sub-Total
Materials & Equipment						
1	Material & Equipment (small tools)	1	LS	\$ 5,000.00	\$ 5,000.00	
2	Noise, Dust, Debris, Pollution, Pest & Rodent Control	1	LS	\$ 2,800.00	\$ 2,800.00	
	SUBTOTAL					\$ 7,800
Temporary Utilities						
1	Temporary Electricity to Construction	8	Mo.	\$ 850.00	\$ 6,800.00	
2	Temporary Lighting to Building	4	Mo.	\$ 350.00	\$ 1,400.00	
3	Water Charges to Construction Site	8	Mo.	\$ 950.00	\$ 7,600.00	
4	Temporary Telephone & Charges	8	Mo.	\$ 450.00	\$ 3,600.00	
	SUBTOTAL					\$ 19,400
Temporary Laborer						
1	Labor For Hire Temporary Laborer (#1)	34	Wk	\$ 600.00	\$ 20,400.00	
	SUBTOTAL					\$ 20,400
Temporary Construction Fencing						
1	8' Chain Link Fence Rental	1,800	LF per Mo.	\$ 0.75	\$ 10,800.00	
2	8x24 Chain Link Gate Rental	4	Ea per Mo.	\$ 46.50	\$ 1,488.00	
	SUBTOTAL					\$ 12,288
MOT Safety Requirements						
1	Misc. Barricades	1	LS	\$ 1,800.00	\$ 1,800.00	
	SUBTOTAL					\$ 1,800
Job Signs						
1	Project Identification & Signs	1	LS	\$ 2,400.00	\$ 2,400.00	
2	Bulletin/Permit Board	2	Ea	\$ 250.00	\$ 500.00	
	SUBTOTAL					\$ 2,900
Site Offices						
1	Field Offices (w /HCP RR, A/C & furnishings) - Lease	8	Mo.	\$ 995.00	\$ 7,960.00	
	SUBTOTAL					\$ 7,960
Toilets						
1	Field Office Temp Holding Tanks (2 services per week)	8	Mo.	\$ 455.00	\$ 3,640.00	
2	Sanitary Facilities	8	Mo.	\$ 105.00	\$ 840.00	
	SUBTOTAL					\$ 4,480
Job Supplies						

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GENERAL CONDITIONS

#	Description	Quantity	Unit	Cost / Unit	TOTAL COST	Sub-Total
1	Additional Copies of Drawings	1	LS	\$ 2,500.00	\$ 2,500.00	
2	Copier Machine - Lease	8	Mo.	\$ 250.00	\$ 2,000.00	
3	Fax Machine - Lease	8	Mo.	\$ 75.00	\$ 600.00	
4	First Aid Facilities (safety)	1	LS	\$ 450.00	\$ 450.00	
5	Office Supplies	8	Mo.	\$ 200.00	\$ 1,600.00	
6	Radios / Cell Phones	8	Mo.	\$ 250.00	\$ 2,000.00	
7	Water Cooler - Lease	34	Wk	\$ 50.00	\$ 1,700.00	
	SUBTOTAL					\$ 10,850
Construction Cleaning						
1	Final Cleanup	1,520	G.S.F.	\$ 0.37	\$ 562.40	
2	Site Cleaning	20	Wk	\$ 525.00	\$ 10,500.00	
3	Trash Removal Dumpsters	20	Loads	\$ 395.00	\$ 7,900.00	
	SUBTOTAL					\$ 18,962
TOTAL GENERAL CONDITIONS					\$ 504,990.40	
=====	=====	=====	=====	=====	=====	

STAIR TOWER

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TOWER BUILDING

Division 01	01 00 00	GENERAL CONDITIONS				\$ 15,348.49
		GENERAL CONDITIONS	1	LS	\$ 15,348.49	\$ 15,348.49
Division 02	02 00 00	EXISTING CONDITIONS				\$ 5,000.00
		MOBILIZATION	1	LS	\$ 5,000.00	\$ 5,000.00
Division 03	03 00 00	CONCRETE				\$ 36,113.55
		CAST IN PLACE CONCRETE				
		STRUCTURE EXCAVATION				
		FDN. EXCAV. MACHINE SPREAD FTGS.	27	CY	\$ 5.85	\$ 158.30
		EXCAV. MACHINE CONT. FTGS.	6	CY	\$ 5.25	\$ 32.29
		SOG. EXC. MACHINE/HAND	4	CY	\$ 16.00	\$ 59.04
		FDN.EXC.HAND	31	CY	\$ 14.00	\$ 430.50
		BACKFILL & COMPACT				
		FDN. BACKFILL MACHINE SPREAD FTGS.	27	CY	\$ 4.50	\$ 121.77
		FDN. BACKFILL MACHINE CONT. FTGS.	4	CY	\$ 4.50	\$ 16.97
		FDN BACKFILL HAND	24	CY	\$ 12.00	\$ 285.24
		COMPACT/GRD S.O.G.	246	SF	\$ 0.21	\$ 51.66
		SOIL POISONING, SOIL STERILIZATION				
		SOIL TREATMENT S.O.G.	316	SF	\$ 0.18	\$ 56.90
		FORM SPREAD FTGS.				
		PLYFORM SPREAD FTGS.	236	SFCA	\$ 4.49	\$ 1,060.36
		FORM CONT. WALL FTGS.				
		PLYFORM CONT. FTGS.	79	SFCA	\$ 4.85	\$ 381.79
		FORM SLAB EDGE @ GRD.				
		FORM S.O.G. EDGEFORM	33	SFCA	\$ 4.75	\$ 157.75
		FORM IN PLACE ELEV. SLABS				
		PLYFORM FLAT PLATE, (C.I.P.)	117	SFCA	\$ 6.75	\$ 788.74
		FORM IN PLACE STAIRS/STEPS				
		PLYFORM STAIR RISER	356	SFCA	\$ 15.50	\$ 5,517.23

TOWER BUILDING

		FORM IN PLACE STAIR LANDING				
		PLYFORM FLAT PLATE	559	SFCA	\$ 6.95	\$ 3,885.40
		EXPANSION JOINTS				
		EXPANSION JOINTS	62	LF	\$ 1.85	\$ 113.78
		CONTROL JOINTS				
		SAW CUT JOINT S.O.G.	12	LF	\$ 1.40	\$ 17.22
		VAPOR BARRIER				
		10 MIL POLY VAPOR BARRIER	296	SF	\$ 0.18	\$ 53.20
		REINFORCING IN PLACE				
		REINFORCING IN PLACE FOUNDATION				
		SPREAD FTGS. #4 TO #7	0.37	TN	\$ 1,975.00	\$ 728.78
		CONT. FTGS. #4 TO #7	0.10	TN	\$ 1,975.00	\$ 194.34
		REINFORCING IN PLACE SLAB OFF GRADE				
		ELEV.(STAIR LANDING) REBAR #3 TO #5	0.68	TN	\$ 1,975.00	\$ 1,336.09
		ELEV. (C.I.P.) SLAB REBAR #3 TO #5	0.28	TN	\$ 1,975.00	\$ 558.73
		REINFORCING IN PLACE STAIR RISER				
		STAIR RISER REBAR	0.55	TN	\$ 1,975.00	\$ 1,093.16
		REINFORCING IN PLACE SLAB ON GRADE				
		SOG REINF. #3 TO #7	0.01	TN	\$ 1,975.00	\$ 24.29
		WELDED WIRE MESH				
		S.O.G. WELDED WIRE FABRIC	296	SF	\$ 0.63	\$ 186.20
		CAST IN PLACE CONCRETE				
		CONCRETE IN PLACE SPREAD FTGS.				
		SPREAD FTGS. CONC.& PUMP	15	CY	\$ 165.00	\$ 2,435.40
		CONCRETE IN PLACE CONT. WALL FTGS.				
		WALL FTGS. CONC. & PUMP	4	CY	\$ 165.00	\$ 608.85
		CONCRETE IN PLACE SLAB ON GRADE				
		S.O.G. CONC. & PUMP	4	CY	\$ 165.00	\$ 608.85
		CONCRETE IN PLACE SLAB OFF GRADE				
		ELEV. (C.I.P.) SLAB CONC. & PUMP	4	CY	\$ 165.00	\$ 608.85
		CONCRETE IN PLACE STAIRS /STEPS				
		STAIR TREAD (C.I.P.) CONC. & PUMP	9	CY	\$ 175.00	\$ 1,506.75
		STAIR LANDINGS (C.I.P.) CONC. & PUMP	15	CY	\$ 150.00	\$ 2,214.00
		CONCRETE CURE				
		CHEMICAL CURE S.O.G.	2	CSF.	\$ 6.00	\$ 14.76
		CHEMICAL CURE ELEV.(C.I.P.) SLAB	9	CSF.	\$ 6.00	\$ 51.66
		CHEMICAL CURE STAIR TREAD (C.I.P.)	3	CSF.	\$ 6.00	\$ 15.50
		CHEMICAL CURE STAIR LANDING (C.I.P.)	5	CSF.	\$ 6.00	\$ 28.34
		CONCRETE FINISHING				
		S.O.G. MACHINE TROWEL, FLOAT & BROOM F	246	SF	\$ 0.50	\$ 123.00
		ELEV. (C.I.P.) SLB. MACHINE TROWEL, FLOAT	81	SF	\$ 0.50	\$ 40.59
		CONCRETE IN PLACE MISC.				
		TEMPORARY SAFETY RAIL	209	LF	\$ 5.75	\$ 1,202.33
		SCAFFOLDING & SHORING	1	LS	\$ 6,000.00	\$ 6,000.00
		4" ALUM NOSING INSERTS	258	LF	\$ 12.95	\$ 3,344.99

TOWER BUILDING						
Division 04	04 0 00	MASONRY				\$ -
Division 05	05 00 00	METALS				\$ 19,195.40
		METALS				
		STRUCTURAL STEEL				
		STEEL COLUMNS	2.02	TN	\$ 4,333.00	\$ 8,740.53
		MISC/BRACE/PLATE	0.41	TN	\$ 4,145.00	\$ 1,682.46
		STEEL BEAMS, & GIRDERS MEMBERS	1.49	TN	\$ 4,333.00	\$ 6,448.80
		MISC BEAM (SPLICES, MISC. DETAILS)	0.30	TN	\$ 4,145.04	\$ 1,223.62
		HANDRAILS & RAILINGS				
		KYNAR PAINTED METAL SWING GATES	11	LF	\$ 100.00	\$ 1,100.00
Division 06	06 00 00	WOOD & PLASTICS				\$ 21,132.03
		ROOF SHEATHING				
		3/4" CDX PLYWOOD SHEATHING	389	SF	\$ 3.16	\$ 1,229.01
		SQ IPE BRAZILIAN WOOD STAIR HANDRAIL RAIL/GUARD RAIL 42" HIGH	297	LF	\$ 67.00	\$ 19,903.02
Division 07	07 00 00	THERMAL & MOISTURE PROTECTION				\$ 5,678.66
		METAL ROOFING SYS.				
		ICE & WATER SHIELD	389	SF	\$ 1.25	\$ 485.85
		STANDING SEAM METAL ROOF	389	SF	\$ 9.80	\$ 3,809.06
		1x10 METAL ROOF FASCIA	92	LF	\$ 15.00	\$ 1,383.75
Division 08	08 00 00	OPENINGS (DOORS & WINDOWS)				\$ -
Division 09	09 00 00	FINISHES				\$ 2,597.76
		PAINTING				
		PAINT STEEL COLUMNS	1,732	SF	\$ 1.50	\$ 2,597.76
Division 10	10 00 00	SPECIALTIES & SIGNAGE				\$ -
Division 11	11000	EQUIPMENT				\$ -
Division 12	12 00 00	FURNISHINGS				\$ -
Division 13	13 00 00	SPECIAL CONSTRUCTION				\$ -
Division 14	14 00 00	CONVEYING SYSTEMS				\$ -
Division 21	21 00 00	FIRE				\$ -
Division 22	22 00 000	PLUMBING				\$ -

TOWER BUILDING							
Division 23	23 00 00	HVAC					\$ -
Division 26	26 00 000	ELECTRICAL					\$ 16,057.60
		WIRE/CONDUIT					
		WIRE/CONDUIT (INCLUDES U/G FEEDER)	566	LF	\$ 9.96		\$ 4,581.60
		WIRING DEVICES					
		RECEPTACLE DPX GFI,20A,WP,w/cond,box,wire	3	EA	\$ 188.00		\$ 376.00
		EXTERIOR LIGHTING FIXTURES					
		C WALL SCONCE	32	EA	\$ 420.00		\$ 9,100.00
		KRYPTON W/ VANDAL PROTECTION	5	EA	\$ 600.00		\$ 2,000.00
Division 27	27 00 00	TECHNOLOGY					\$ -
Division 28	28 00 00	ELECTRONIC SAFETY & SECURITY					\$ -
Division 31	31 00 00	EARTHWORK					\$ -
Division 32	32 00 00	OFF-SITE EXTERIOR IMPROVEMENTS					\$ -
Division 33	33 00 00	SITE UTILITIES					\$ -
		SUBTOTAL					\$ 121,123.50
	4.00%	G.C. OVERHEAD					\$ 4,844.94
		SUBTOTAL					\$ 125,968.44
	6.00%	G.C. PROFIT					\$ 7,558.11
		SUBTOTAL					\$ 133,526.54
	1.29%	BOND					\$ 1,722.49
		SUBTOTAL					\$ 135,249.03
	5.00%	CONTINGENCY					\$ 6,762.45
		TOTAL PROBABLE CONSTRUCTION COST					\$ 142,011.49

SITework

CMS-Construction Management Services, Inc.

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SULLIVAN PARK IMPROVEMENTS

150 NE 2ND AVENUE

DEERFIELD BEACH, FL 33441

90% CONSTRUCTION DOCUMENTS

COST ESTIMATE

December 24, 2014

PREPARED FOR:

CITY OF DEERFIELD BEACH

COMMUNITY REDEVELOPMENT AGENCY

SITE

DIVISION	#	DESCRIPTION	QUANTITY	UNIT	\$/UNIT	AMOUNT
01	01 00 00	GENERAL CONDITIONS				\$ 418,875.65
		SITE GENERAL CONDITIONS	1	LS	418,875.65	\$ 418,875.65
02	02 00 00	EXISTING CONDITIONS				\$ 78,117.89
		MOBILIZATION	1	LS	5,000.00	\$ 5,000.00
		SITE/DEMOLITION				
		INSTALL SILT FENCE (INCL DOUBLE @ INTRACOASTAL)	2,200	LF	1.40	\$ 3,080.00
		CATCH BASIN PROTECTION	1	EA	58.50	\$ 58.50
		CONSTRUCTION ENTRANCE (INSTALL & REMOVE)	600	SF	2.00	\$ 1,200.00
		DEMO ALL EXISTING IRRIGATION LINES	1	LS	3,500.00	\$ 3,500.00
		TURBIDITY BARRIER	560	LF	30.00	\$ 16,800.00
		DEMOLITION, CONCRETE				
		REMOVE CONCRETE (SHUFFLEBOARD/SIDEWALK)	644	SY	12.90	\$ 8,304.73
		HAUL/DISPOSE	80	CY	8.75	\$ 704.13
		D CURB	466	LF	4.24	\$ 1,975.84
		DEMO. PAVING, BASE, HAUL				
		REMOVE ASPHALT	4,743	SY	4.76	\$ 22,575.62
		HAUL/DISPOSE	593	CY	8.75	\$ 5,187.41
		SAW CUT/CORE				
		SAW CUT ASPHALT PAVING	1	LS	500.00	\$ 500.00
		DEMO WATER SERVICE				
		CUT AND CAP WATER	1	LS	266.00	\$ 266.00
		DEMO. SANITARY SERVICE				
		CUT AND CAP SEWER	1	LS	252.00	\$ 252.00
		DEMO. MISCELLANEOUS				
		CONC PAD (TABLE/BENCH STOCKPILED)	3	EA	163.55	\$ 490.65
		METAL/WOOD GUARDRAIL	400	LF	5.10	\$ 2,040.00
		SIGN	5	EA	35.00	\$ 175.00
		TRASH CAN (STOCKPILED)	12	EA	9.00	\$ 108.00
		BUILDING (AT SHUFFLEBOARD COURT)	240	SF	5.00	\$ 1,200.00
		IRRIGATION PANELS	1	LS	800.00	\$ 800.00
		ELECTRICAL PANELS	1	LS	800.00	\$ 800.00
		MONUMENT	1	LS	800.00	\$ 800.00
		REMOVE MISC	1	LS	2,000.00	\$ 2,000.00
		BOLLARDS	6	EA	50.00	\$ 300.00
		DEMOSITE ELECTRICAL				
		(POWER LINES/POLES/LIGHT POLES TO BE REMOVED BY FPL)	0	EA	280.00	BY FPL

SITE						
DIVISION	#	DESCRIPTION	QUANTITY	UNIT	\$/UNIT	AMOUNT
03	03 00 00	CONCRETE				\$ -
04	04 00 00	MASONRY				\$ -
05	05 00 00	METALS				\$ -
06	06 00 00	WOOD & PLASTICS				\$ -
07	07 00 00	THERMAL & MOISTURE PROTECTION				\$ -
08	08 00 00	OPENINGS				\$ -
09	09 00 00	FINISHES				\$ -
10	10 00 00	SPECIALTIES & SIGNAGE				\$ 22,150.00
		A - MAIN IDENTITY - DRG SG-1	1	EA	5,000.00	\$ 5,000.00
		B - PARK IDENTITY - ADDED SIGNS PER 12/15/14 COMMENTS	8	EA	1,500.00	\$ 12,000.00
		C - POST AND PANEL REGULATORY - ADDED SIGN PER 12/15/14 COMMENTS	6	EA	500.00	\$ 3,000.00
		D - ADA SIGNS	2	EA	75.00	\$ 150.00
		E - INFORMATIONAL PANEL	1	EA	500.00	\$ 500.00
		#17 HISTORICAL MARKER	1	EA	1,500.00	\$ 1,500.00
11	11 00 00	EQUIPMENT				\$ -
12	12 00 00	FURNISHINGS				\$ -
13	13 00 00	SPECIAL CONSTRUCTION				\$ -
14	14 00 00	CONVEYING SYSTEMS				\$ -
21	21 00 00	FIRE SUPPRESSION				\$ -
22	22 00 00	PLUMBING				\$ -
23	23 00 00	HVAC				\$ -
26	26 00 00	ELECTRICAL				\$ 296,118.90
		SITE ELECTRICAL GENERAL CONDITIONS				\$ 14,100.90
		ELECTRICAL SERVICE				
		ELECTRICAL SERVICE (ALLOWANCE)	1	LS	10,000.00	\$ 10,000.00
		SITE LIGHTING				
		B STERNBERG 1970 LED AT 14' HEIGHT	25	EA	5,000.00	\$ 125,000.00
		B2 LIT BOLLARD (8 @ WTR FEATURE 16@DROPOFF)	24	EA	1,250.00	\$ 30,000.00
		C STERNBERG 1970 LED AT 14' HEIGHT	8	EA	5,500.00	\$ 44,000.00
		A STERNBERG 1970 LED AT 14' HEIGHT	5	EA	5,500.00	\$ 27,500.00
		D LED UPLIGHT	32	EA	770.00	\$ 24,640.00
		CONDUIT/CABLE/GROUND FOR SITE LIGHTING	3,650	LF	5.72	\$ 20,878.00

SITE						
DIVISION	#	DESCRIPTION	QUANTITY	UNIT	\$/UNIT	AMOUNT
27	27 00 00	TECHNOLOGY				\$ -
28	28 00 00	ELECTRONIC SAFETY & SECURITY				\$ -
31	31 00 00	EARTHWORK				\$ 313,996.34
		CLEARING & GRUBBING				
		CLEAR & GRUB-LIGHT	3	AC	1,800.00	\$ 5,393.35
		SITE GRADING				
		EXCAVATE & BACKFILL				
		SITE CUT/ LEVEL	130,519	SF	0.12	\$ 15,662.28
		SITE/ FILL/ COMP.SITE (@SF+2')	11,602	CY	21.50	\$ 249,436.31
		BUILDING FILL & COMPACT S.O.G. TO FFE (@SF+3')	1,355	CY	25.50	\$ 34,547.40
		FINE GRADE(LANDSCAPE AREA)	34,450	SF	0.26	\$ 8,957.00
32	32 00 00	EXTERIOR IMPROVEMENTS				\$ 1,764,500.33
		PLAYGROUND 2-5				
		4" PVC	140	LF	14.55	\$ 2,037.00
		4" PVC OUTFALL (ALLOW 30 LF)	30	LF	9.59	\$ 287.70
		YARD DRAIN	1	EA	965.00	\$ 965.00
		8" COMPACTED #57 STONE BASE	166	SF	9.90	\$ 1,639.00
		6" RUBBERIZED PLAY SURFACE	1,490	SF	15.00	\$ 22,350.00
		FINISH LAYER	1,490	SF		IN ABOVE
		PLAYGROUND EQUIPMENT	1	EA	45,757.00	\$ 45,757.00
		SHADE STRUCTURE INCL FOOTING/COLUMNS	1	EA	100,724.40	\$ 100,724.40
		FENCE 4'	182	LF	76.00	\$ 13,832.00
		GATE	12	LF	85.00	\$ 1,020.00
		PLAYGROUND 5-12				
		4" PVC	140	LF	14.55	\$ 2,037.00
		4" PVC OUTFALL (ALLOW 30 LF)	30	LF	9.59	\$ 287.70
		YARD DRAIN	1	EA	965.00	\$ 965.00
		8" COMPACTED #57 STONE BASE	166	SF	9.90	\$ 1,639.00
		6" RUBBERIZED PLAY SURFACE	1,490	SF	13.13	\$ 19,563.70
		FINISH LAYER	1,490	SF		IN ABOVE
		PLAYGROUND EQUIPMENT	1	EA	32,985.00	\$ 32,985.00
		SHADE STRUCTURE INCL FOOTING/COLUMNS	1	EA	100,724.40	\$ 100,724.40
		FENCE 4'	194	LF	76.00	\$ 14,744.00
		GATE	12	LF	85.00	\$ 1,020.00
		PICNIC				
		SHADE STRUCTURE INCL FOOTING/COLUMNS	1	EA	54,453.00	\$ 54,453.00
		INTERACTIVE WATER FEATURE				
		PUMP ROOM EQUIPMENT	1	LS	250,000.00	\$ 250,000.00
		FILTER TANK	1	LS		IN ABOVE
		PIPING - SUPPLY	2,490	LF		IN ABOVE
		PIPING - DRAIN	140	LF		IN ABOVE
		NOZZLES	24	EA		IN ABOVE
		START BOLLARD	1	EA		IN ABOVE
		SURFACE TREATMENT (WET DECK)	2,290	SF		IN ABOVE
		PARKING LOT				
		BITUMINOUS PRIME COAT	464	GL	12.95	\$ 6,008.25
		TACK COAT	232	GL	6.50	\$ 1,507.86
		1-1/2" ASPHALT/TON	355	TN	115.00	\$ 40,793.38
		8" LIMEROCK BASE @ ASPHALT	5,045	SY	14.85	\$ 74,917.92
		GRADE/COMPACT BASE @ ASPHALT	5,045	SY	5.85	\$ 29,513.12
		12"STABILIZED SUBGRADE @ ASPHALT	5,045	SY	3.85	\$ 19,423.16
		6" PAINT PARKING STRIPE	62	EA	9.85	\$ 610.70
		ADDITIONAL LINES & SIGNS ALLOWANCE	1	ALW	2,000.00	\$ 2,000.00
		1. 24" THERMO STOP BARS	32	LF	10.00	\$ 320.00
		2. 4" WHITE PAVEMENT MARKINGS	375	SF	2.00	\$ 750.00
		3. WHITE DIRECTIONAL ARROWS	8	EA	50.00	\$ 400.00
		4. H/C SIGN & LOGO	3	EA	275.00	\$ 825.00

SITE						
DIVISION	#	DESCRIPTION	QUANTITY	UNIT	\$/UNIT	AMOUNT
		5. 5' ACCESSIBLE WHITE STRIPING	250	SF	1.75	\$ 437.50
		7. 3' HORIZONTAL CURB	75	LF	42.50	\$ 3,187.50
		8. HC RAMP	348	SF	9.00	\$ 3,132.00
		9. DETECTABLE WARNING TACTILE SYSTEM	3	EA	375.00	\$ 1,125.00
		11. CROSS WALK	120	SF	5.50	\$ 660.00
		14. TRANSFORMER PAD	300	SF	27.50	\$ 8,250.00
		15. 6" DBL YELLOW MARKINGS	360	SF	2.00	\$ 720.00
		16. 6' CAR STOPS	3	EA	75.00	\$ 225.00
		17. 6" DIA BOLLARDS	10	EA	1,590.00	\$ 15,900.00
		CURBS & GUTTERS				
		TYPE D CURB	2,460	LF	14.00	\$ 34,440.00
		CONCRETE AT HARDSCAPE/WALKWAYS				
		4" SIDEWALK ADDED SIDE WALK PER 12/15/14 COMMENTS	16,568	SF	6.00	\$ 99,408.00
		MAIN WALKWAY (E/W, 20' WIDTH)	3,784	SF	6.00	\$ 22,704.00
		6" REINFORCED SLAB - DRY DECK (@ CIRCUMFERENCE OF WATER FEATURE PAVERS OVER CONCRETE)	2,207	SF	7.85	\$ 17,313.92
		6" REINFORCED SLAB - WET DECK - COLORED CONCRETE W/EXPOSED AGGREGATE	2,290	SF	7.85	\$ 17,965.05
		4 CONCRETE BAND 12" RIBBON (BETWEEN WET/DRY)	173	LF	9.00	\$ 1,557.00
		PAVERS				
		MAIN WALKWAY (E/W, 20' WIDTH)	3,784	SF	9.00	\$ 34,056.00
		DRY DECK (@ CIRCUMFERENCE OF WATER FEATURE PAVERS OVER CONCRETE)	2,207	SF	9.00	\$ 19,863.00
		9. DOUBLE ACCENTS PAVERS 4X8	1,154	LF	12.50	\$ 14,425.00
		10. SINGLE ACCENTS PAVERS 4X8	624	LF	10.00	\$ 6,240.00
		TRUNCATED DOME PAVERS	206	SF	9.00	\$ 1,854.00
		LOGO PLAQUE	4	EA	1,500.00	\$ 6,000.00
		SITE FURNISHINGS				
		A BENCH REDUCED BENCHES PER 12/15/14 COMMENTS	20	EA	2,820.00	\$ 56,400.00
		B BIKE RACK	9	EA	635.00	\$ 5,715.00
		C CHARCOAL GRILL	2	EA	1,577.00	\$ 3,154.00
		D REMOVABLE BOLLARDS	3	EA	1,590.00	\$ 4,770.00
		E PARKING PAY STATIONS	1	EA	10,570.00	\$ 10,570.00
		G PICNIC TABLES	5	EA	2,116.90	\$ 10,584.52
		L RECYCLING RECEPTACLE	15	EA	1,190.00	\$ 17,850.00
		N TRASH RECEPTACLES	15	EA	1,190.00	\$ 17,850.00
		SITE IMPROVEMENTS				
		FENCE AND GATES				
		SECURITY FENCE 6' ALUMINUM POWDER COATED ADDED 130' FENCE PER 12/15/14 COMMENTS	320	LF	136.00	\$ 43,520.00
		VEHICULAR GATES	30	LF	80.00	\$ 2,400.00
		LANDSCAPING				
		CANOPY TREES				
		SEA GRAPE	1	EA	360.00	\$ 360.00
		GUMBO LIMBO - REDUCED TREES PER 12/15/14 COMMENTS	14	EA	400.00	\$ 5,600.00
		LIVE OAK	35	EA	390.00	\$ 13,650.00
		ORNAMENTAL TREES				
		PITCH APPLE ADDED ONE PER 12/15/14 COMMENTS	13	EA	360.00	\$ 4,680.00
		FANCY POWDERPUFF	0	EA	270.00	\$ -
		QUEEN'S CRAPE MYRTLE	20	EA	360.00	\$ 7,200.00
		BRIDAL BOUQUET PLUMERIA CHANGED TO YLANG YLANG PER 12/15/14 COMMENTS	9	EA	250.00	\$ 2,250.00
		PALMS				
		CHRISTMAS PALM	8	EA	450.00	\$ 3,600.00
		TRIPLE SYLVESTER PALM	27	EA	5,000.00	\$ 135,000.00
		SILVER BISMARCK	0	EA	1,680.00	\$ -
		SHRUBS				
		VARIEGATED FLAX	215	EA	9.00	\$ 1,935.00
		RED TIP COCOPLUM	144	EA	32.00	\$ 4,608.00
		PITCH APPLE	276	EA	20.00	\$ 5,520.00
		CHINESE FAN PALM	24	EA	28.00	\$ 672.00

SITE						
DIVISION	#	DESCRIPTION	QUANTITY	UNIT	\$/UNIT	AMOUNT
		FAKAHATCHEE GRAS	160	EA	7.00	\$ 1,120.00
		DWARF FAKAHATCHEE GRASS	312	EA	6.50	\$ 2,028.00
		GROUNDCOVER				\$ -
		RAILROAD VINE	612	EA	2.50	\$ 1,530.00
		DWARF CONFEDERATE JASMINE	8,368	EA	3.60	\$ 30,124.80
		KANGAROO PAW FERN	1,895	EA	4.50	\$ 8,527.50
		SOD & MULCH				\$ -
		ST. AUGUSTINE "FLORITAM"	36,820	SF	0.34	\$ 12,518.80
		MULCH	3,274	SY	6.05	\$ 19,807.28
						\$ -
		RELOCATE TREES				\$ -
		RELOCATE TREES	7	EA	750.00	\$ 5,250.00
		PRESERVE TREES	65	EA	250.00	\$ 16,250.00
		MAINTENANCE FOR RELOCATE TREES	1	LS	45,760.00	\$ 45,760.00
		PLANT/TREE REMOVE				\$ -
		CUT/HAUL TREES (AVG 22" CALIPER)	12	EA	610.00	\$ 7,320.00
		TREE PROTECTION				\$ -
		PLANT PROTECTION	910	LF	2.15	\$ 1,956.50
		TREE MAINTENANCE (PRIOR TO COMMENCEMENT)				\$ -
		DECAY SURVEY (NOTE 5 / LT-08)	1	LS	1,000.00	\$ 1,000.00
		TREE MAINTENANCE (NOTE 4 / LT-08)	65	EA	250.00	\$ 16,250.00
						\$ -
		IRRIGATION				\$ -
		BUBBLER	259	EA	24.00	\$ 6,216.00
		SHRUB SPRAY	30	EA	24.00	\$ 720.00
		6" POP UP	102	EA	36.00	\$ 3,672.00
		12" POP UP	249	EA	36.00	\$ 8,964.00
		6" POPUP ROTOR	14	EA	140.00	\$ 1,960.00
		4" POPUP ROTOR	63	EA	140.00	\$ 8,820.00
		12" POPUP ROTOR	7	EA	140.00	\$ 980.00
		SOLENOID VALVE	14	EA	327.00	\$ 4,578.00
		CONTROLLER	1	EA	2,525.00	\$ 2,525.00
		4 STATION MODULE	1	EA	965.00	\$ 965.00
		RAIN SENSOR	1	EA	89.00	\$ 89.00
		BFP	1	EA	790.00	\$ 790.00
		CCG	1,580	LF	2.41	\$ 3,807.80
		GATE VALVE	1	EA	550.00	\$ 550.00
		VALVE BOX	15	EA	192.00	\$ 2,880.00
		3/4 SCH 40 PVC PIPE	7,424	LF	1.53	\$ 11,358.72
		1 SCH 40 PVC PIPE	5,013	LF	1.70	\$ 8,522.10
		1-1/4 SCH 40 PVC PIPE	1,915	LF	1.98	\$ 3,791.70
		1-1/2 SCH 40 PVC PIPE	1,247	LF	2.26	\$ 2,818.22
		2 SCH 40 PVC PIPE	490	LF	2.51	\$ 1,229.90
		2-1/2 SCH 40 PVC PIPE	1,280	LF	3.38	\$ 4,326.40
		2" SLEEVES	30	LF	4.50	\$ 135.00
		3" SLEEVES	127	LF	5.63	\$ 715.01
		4" SLEEVES	230	LF	6.75	\$ 1,552.50
		MISC. @ 2%	81,966	\$	0.02	\$ 1,639.33
33	33 00 00	SITE UTILITIES AND PIERS/DOCK				\$ 411,822.50
		SITE UTILITIES				
		SITE DRAINAGE				
		HDPE PIPE				
		DEWATERING ALLOWANCE	1	LS	10,000.00	\$ 10,000.00
		15"HDPE & TRENCH	35	LF	33.50	\$ 1,172.50
		15"HDPE & EXFILTRATION	996	LF	66.00	\$ 65,736.00
		STORM M.H./C.B./INLET				
		DEWATER ALLOWANCE	1	LS	6,000.00	\$ 6,000.00
		CORE EXISTING & CONNECT	2	EA	1,200.00	\$ 2,400.00
		TYPE C INLET	2	EA	3,100.00	\$ 6,200.00
		TYPE E INLET	12	EA	4,225.00	\$ 50,700.00
		TYPE P MANHOLE	4	EA	6,700.00	\$ 26,800.00
		ADJUSTMENT TO EXISTING MANHOLE - AS PER 12/15/14 COMMENTS	1	EA	2,500.00	\$ 2,500.00
		CONTROL STRUCTURE	1	EA	10,000.00	\$ 10,000.00
		RAISE STRUCTURE, ADD MH COVER	1	EA	2,500.00	\$ 2,500.00
		SITE WATER UTILITIES				

SITE						
DIVISION	#	DESCRIPTION	QUANTITY	UNIT	\$/UNIT	AMOUNT
		1" WATER SERVICE	25	LF	17.75	\$ 443.75
		2" WATER SERVICE	98	LF	33.00	\$ 3,234.00
		1" RPZ (INCLUDES CERTIFICATION)	1	EA	330.00	\$ 330.00
		2" RPZ (INCLUDES CERTIFICATION)	1	EA	800.00	\$ 800.00
		1" METER	1	EA	190.00	\$ 190.00
		2" METER	1	EA	730.00	\$ 730.00
		LINE STERILIZATION	1	LS	1,000.00	\$ 1,000.00
		SAMPLE PTS.	2	EA	300.00	\$ 600.00
		1" GATE VALVE/BOX	1	EA	730.00	\$ 730.00
		2" GATE VALVE/BOX	1	EA	1,175.00	\$ 1,175.00
		RELOCATE FIRE HYDRANT (INCL 6X6 TEE, 6" GV, &FH ASSY)	1	EA	3,590.00	\$ 3,590.00
		SANITARY SEWER				
		DEWATER ALLOWANCE	1	LS	5,000.00	\$ 5,000.00
		CORE/CONNECT TO EXISTING	1	EA	2,500.00	\$ 2,500.00
		6" DIP & TRENCHING	20	LF	40.00	\$ 800.00
		8" DIP & TRENCHING	201	LF	50.50	\$ 10,150.50
		6" DIP C.O.	2	EA	259.00	\$ 518.00
		SANITARY MANHOLE	1	EA	2,600.00	\$ 2,600.00
		CAP SEWER LATERAL	1	EA	575.00	\$ 575.00
		WATERWAY AND MARINE CONSTRUCTION				
		FLOATING DOCK				
		GANGWAY	30	LF	267.00	\$ 8,010.00
		HANDRAILS	60	LF	73.50	\$ 4,410.00
		FLOATING DOCK	300	SF	43.21	\$ 12,963.00
		PILE GUIDES	4	EA	295.00	\$ 1,180.00
		12" STEEL ANCHOR PILES (@ FLOATING DOCK)	120	LF	77.50	\$ 9,300.00
		BOAT PIERS				
		MOBILIZATION	1	LS	11,900.00	\$ 11,900.00
		12" STEEL PIPE PILES	960	LF	77.50	\$ 74,400.00
		BEAM/PILE CAP	33	CY	1,077.50	\$ 35,988.50
		8" PRECAST SLAB	480	SF	18.60	\$ 8,928.00
		8" PRECAST SLAB - ADDITION PER 12/15/14 COMMENTS	31	SF	18.60	\$ 576.60
		8" CAST IN PLACE SLAB	5	CY	1,367.00	\$ 6,838.50
		12" TIMBER PILES	360	LF	32.50	\$ 11,700.00
		CLEATS	38	EA	141.00	\$ 5,358.00
		CAST IN PLACE STAIRS/STEPS	1	CY	1,367.00	\$ 1,367.00
		SUBTOTAL				\$ 3,305,581.62
	4.00%	G.C. OVERHEAD				\$ 132,223.26
		SUBTOTAL				\$ 3,437,804.88
	6.00%	G.C. PROFIT				\$ 206,268.29
		SUBTOTAL				\$ 3,644,073.17
	1.29%	BOND				\$ 47,008.54
		SUBTOTAL				\$ 3,691,081.72
	5.00%	CONTINGENCY				\$ 184,554.09
		TOTAL PROBABLE CONSTRUCTION COST				\$ 3,875,635.80

RESTROOM BUILDING

CMS-Construction Management Services, Inc.
10 Fairway Drive, Suite 301
Deerfield Beach, FL 33441
954-481-1611
CMS FILE # 2143 CD-90%

SULLIVAN PARK IMPROVEMENTS
150 NE 2ND AVENUE
DEERFIELD BEACH, FL 33441

90% CONSTRUCTION DOCUMENTS
COST ESTIMATE
December 24, 2014

PREPARED FOR:
CITY OF DEERFIELD BEACH
COMMUNITY REDEVELOPMENT AGENCY

RESTROOM BUILDING

DIVISION	#	DESCRIPTION	QUANTITY	UNIT	\$/UNIT	AMOUNT
01	01 00 00	GENERAL CONDITIONS				\$ 70,766.26
		BUILDING GENERAL CONDITIONS	1	LS	\$ 70,766.26	\$ 70,766.26
02	02 00 00	EXISTING CONDITIONS				\$ -
		INCLUDED W/ SITEWORK				
03	03 00 00	CONCRETE				\$ 107,560.07
		CAST IN PLACE CONCRETE				
		STRUCTURE EXCAVATION				
		FDN. EXCAV. MACHINE SPREAD FTGS.	26	CY	\$ 5.85	\$ 152.10
		EXCAV. MACHINE CONT. FTGS.	76	CY	\$ 5.85	\$ 444.60
		SOG. EXC. MACHINE/HAND	51	CY	\$ 21.50	\$ 1,096.50
		FDN. EXC. HAND	25	CY	\$ 27.00	\$ 675.00
		BACKFILL & COMPACT				
		FDN. BACKFILL MACHINE SPREAD FTGS.	26	CY	\$ 4.50	\$ 117.00
		FDN. BACKFILL MACHINE CONT. FTGS.	76	CY	\$ 4.50	\$ 342.00
		FDN BACKFILL HAND	51	CY	\$ 12.00	\$ 612.00
		COMPACT/GRD S.O.G.	3,362	SF	\$ 0.21	\$ 706.02
		SOIL POISONING, SOIL STERILIZATION				
		SOIL TREATMENT S.O.G.	3,362	SF	\$ 0.18	\$ 605.16
		FORM SPREAD FTGS.				
		PLYFORM SPREAD FTGS.	336	SFCA	\$ 4.49	\$ 1,508.64
		FORM CONT. WALL FTGS.				
		PLYFORM CONT. FTGS.	998	SFCA	\$ 4.85	\$ 4,840.30
		FORM COLUMNS				
		FORM ROUND COLU. SONO TUBE	357	LF	\$ 33.00	\$ 11,781.00
		FORM BEAMS				
		PLYFORM BEAM	84	SFCA	\$ 6.63	\$ 556.92
		FORM TIE BEAMS				
		PLYFORM TIE BEAM	996	SFCA	\$ 6.35	\$ 6,324.60
		FORM SLAB EDGE @ GRD.				
		FORM S.O.G. EDGE FORM	260	SFCA	\$ 4.75	\$ 1,235.00

RESTROOM BUILDING

DIVISION	#	DESCRIPTION	QUANTITY	UNIT	\$/UNIT	AMOUNT
		FORM IN PLACE ELEV. SLABS				
		PLYFORM FLAT PLATE (C.I.P.)	1,122	SFCA	\$ 6.75	\$ 7,573.50
		EXPANSION JOINTS				
		EXPANSION JOINTS	550	LF	\$ 1.85	\$ 1,017.50
		CONTROL JOINTS				
		SAW CUT JOINT S.O.G.	225	LF	\$ 1.40	\$ 315.00
		VAPOR BARRIER				
		10 MIL POLY VAPOR BARRIER	3,362	SF	\$ 0.18	\$ 605.16
		REINFORCING IN PLACE				
		REINFORCING IN PLACE FOUNDATION				
		SPREAD FTGS. #4 TO #7	0.50	TN	\$ 1,975.00	\$ 987.50
		CONT. FTGS. #4 TO #7	1.19	TN	\$ 1,975.00	\$ 2,350.25
		REINFORCING IN PLACE COLUMN				
		ROUND COLUMN REBAR #3 TO #7	0.88	TN	\$ 1,975.00	\$ 1,738.00
		REINFORCING IN PLACE BEAM				
		TIE/SOFFIT BEAM REBAR #3 TO #7	1.22	TN	\$ 1,975.00	\$ 2,409.50
		BEAM REBAR #5 TO #18	0.10	TN	\$ 1,631.70	\$ 163.17
		REINFORCING BOND BEAM/ FILL CELL				
		B. BEAM & CELL REBAR MAT. ONLY	1.72	TN	\$ 882.90	\$ 1,518.59
		REINFORCING IN PLACE ELEVATED SLAB				
		ELEV. (C.I.P.) SLAB REBAR #3 TO #5	4.19	TN	\$ 1,975.00	\$ 8,275.25
		REINFORCING IN PLACE SLAB ON GRADE				
		SOG REINF. #3 TO #7	0.22	TN	\$ 1,975.00	\$ 434.50
		WELDED WIRE MESH				
		S.O.G. WELDED WIRE FABRIC	3,362	SF	\$ 0.63	\$ 2,118.06
		CAST IN PLACE CONCRETE				
		CONCRETE IN PLACE SPREAD FTGS.				
		SPREAD FTGS. CONC. & PUMP	13	CY	\$ 165.00	\$ 2,217.60
		CONCRETE IN PLACE CONT. WALL FTGS.				
		WALL FTGS. CONC. & PUMP	40	CY	\$ 165.00	\$ 6,600.00
		CONCRETE IN PLACE COLUMNS				
		ROUND COL. CONC. & PUMP	11	CY	\$ 175.00	\$ 1,963.50
		CONCRETE IN PLACE BEAMS				
		BEAM CONC. & PUMP	0	CY	\$ 175.00	\$ 77.00
		CONCRETE IN PLACE TIE BEAMS				
		TIE BEAM CONC. & PUMP	13	CY	\$ 175.00	\$ 2,233.00
		CONCRETE IN PLACE SLAB ON GRADE				
		S.O.G. CONC. & PUMP	52	CY	\$ 165.00	\$ 8,596.50
		CONCRETE IN PLACE ELEVATED SLAB				
		ELEV. (C.I.P.) SLAB CONC. & PUMP	79	CY	\$ 175.00	\$ 13,881.00
		CONCRETE CURE				
		CHEMICAL CURE S.O.G.	34	C.S.F.	\$ 6.00	\$ 201.72
		CHEMICAL CURE ELEV. (C.I.P.) SLAB	26	C.S.F.	\$ 6.00	\$ 158.64
		CONCRETE FINISHING				
		S.O.G. MACHINE TROWEL, FLOAT & BROOM FINISH	3,362	SF	\$ 0.55	\$ 1,849.10
		ELEV. (C.I.P.) SLB. MACHINE TROWEL, FLOAT FINISH	2,644	SF	\$ 0.55	\$ 1,454.20
		CONCRETE IN PLACE MISC.				
		TEMPORARY SAFETY RAIL	317	LF	\$ 5.75	\$ 1,824.99

RESTROOM BUILDING

DIVISION	#	DESCRIPTION	QUANTITY	UNIT	\$/UNIT	AMOUNT
		SCAFFOLDING & SHORING	1	LS	\$ 6,000.00	\$ 6,000.00
04	04 00 00	MASONRY				\$ 61,595.02
		MASONRY REINFORCING				
		PLACE BOND BEAM / FILL CELL REINF.	1.72	TN	\$ 882.90	\$ 1,518.59
		UNIT MASONRY				
		INSTALL 8X8X16 REG.	5,781	SF	\$ 8.50	\$ 49,138.50
		INSTALL 4X8X16 REG	486	SF	\$ 5.50	\$ 2,673.00
		GROUT FILL CELLS	19.90	CY	\$ 250.70	\$ 4,988.93
		MISCELLANEOUS				
		GROUT 3x8 DOOR FRAME	5.00	EA	\$ 28.50	\$ 142.50
		MASONRY SCAFFOLDING	6,267	SF	\$ 0.50	\$ 3,133.50
05	05 00 00	METALS				\$ 85,901.48
		METALS				
		STRUCTURAL STEEL				
		STEEL COLUMNS	7.69	TN	\$ 4,333.00	\$ 33,320.77
		MISC/BRACE/PLATE	1.54	TN	\$ 4,145.00	\$ 6,383.30
		STEEL BEAMS & GIRDERS	1.80	TN	\$ 4,333.00	\$ 7,799.40
		MISC BEAM (SPICES, MISC. DETAILS)	0.36	TN	\$ 4,145.04	\$ 1,492.21
		MISCELLANEOUS METALS				
		ALUMINUM TRELIS - AS PER 12/15/14 COMMENTS	1.00	ALW	\$ 12,115.80	\$ 12,115.80
		BIRD SCREEN PERIMETER EAVES OPENING	320	SF	\$ 20.00	\$ 6,400.00
		HANDRAILS & RAILINGS				
		CONTINUOUS WALL HANDRAILS	47	LF	\$ 40.00	\$ 1,880.00
		HANDRAILS AT RESTROOM BUILDING STAIRS PER 12/15/14 COMMENTS	40	LF	\$ 85.00	\$ 3,400.00
		ADA 42" GUARDRAIL	138	LF	\$ 95.00	\$ 13,110.00
06	06 00 00	WOOD & PLASTICS				\$ 272.00
		FRAMING/BLOCKING				
		BLOCKING/BACKING	68	LF	\$ 4.00	\$ 272.00
07	07 00 00	THERMAL & MOISTURE PROTECTION				\$ 13,674.00
		WATERPROOFING				
		FINISH ROOFING SYSTEM (ELASTOMERIC MEMBRANE)	2,644	SF	\$ 5.00	\$ 13,220.00
		SEALANTS				
		MISC. CAULKING	272	LF	\$ 0.75	\$ 204.00
		THROUGH-PENETRATION FIRESTOP SYSTEM	1	LS	\$ 250.00	\$ 250.00
08	08 00 00	OPENINGS (DOORS & WINDOWS)				\$ 14,690.00
		DOORS & WINDOWS				
		FIBER GLASS DOOR FRAMES				
		3'-0" x 8'-0"	5	EA	\$ 298.00	\$ 1,490.00
		FIBER GLASS DOORS				
		3'-0" x 8'-0" DOOR	5	EA	\$ 720.00	\$ 3,600.00
		ALUMINIUM GRILLOVERHEAD DOORS				
		5' x 8' COILING DR., INCL HARDWARE	2	EA	\$ 2,800.00	\$ 5,600.00
		HARDWARE				

RESTROOM BUILDING

DIVISION	#	DESCRIPTION	QUANTITY	UNIT	\$/UNIT	AMOUNT
		DOOR HARDWARE	5	EA	\$ 570.00	\$ 2,850.00
		CLOSERS	5	EA	\$ 230.00	\$ 1,150.00
09	09 00 00	FINISHES				\$ 102,765.39
		LATH/PLASTER/STUCCO				
		STUCCO INTERIOR WALLS	1,876	SF	\$ 3.28	\$ 6,153.28
		STUCCO EXTERIOR CEILING	2,591	SF	\$ 4.16	\$ 10,778.56
		WOOD IMPRESSED STUCCO EXTERIOR WALLS	4,050	SF	\$ 6.14	\$ 24,867.00
		STUCCO SCAFFOLD	8,517	SF	\$ 0.75	\$ 6,387.75
		STUCCO CLEAN UP	8,517	SF	\$ 0.20	\$ 1,703.40
		CERAMIC TILE				
		CER TILE - JANITOR AND BATHROOM STORAGE	496	SF	\$ 7.75	\$ 3,844.00
		CER TILE - MEN'S AND WOMEN'S RESTROOMS	2,496	SF	\$ 7.75	\$ 19,344.00
		SEAMLESS EPOXY FLOOR/WALL				
		EPOXY FLOORING	1,490	SF	\$ 10.50	\$ 15,645.00
		PAINTING				
		PAINT INTERIOR WALLS	1,876	SF	\$ 0.95	\$ 1,782.20
		PAINT CEILING	2,591	SF	\$ 1.20	\$ 3,109.20
		PAINT EXTERIOR WALLS	4,050	SF	\$ 1.20	\$ 4,860.00
		PAINT COLUMNS (INT & EXT)	995	SF	\$ 1.20	\$ 1,194.00
		PAINT FIBERGLASS DOORS/FRAMES	5	EA	\$ 98.00	\$ 490.00
		PAINT STEEL COLUMNS/OUTRIGGERS/TRELLIS SUPPORT	730	SF	\$ 1.50	\$ 1,095.00
		PAINT CONTINUOUS WALL HANDRAILS	47	LF	\$ 3.50	\$ 164.50
		HANDRAILS AT RESTROOM BUILDING STAIRS PER 12/15/14 COMMENTS	40	LF	\$ 3.50	\$ 140.00
		PAINT ADA 42" GUARDRAIL	483	SF	\$ 2.50	\$ 1,207.50
10	10 00 00	SPECIALTIES & SIGNAGE				\$ 13,004.00
		SPECIALTIES				
		SOLID PARTITIONS				
		TOILET PARTITION DOOR, PHENOLIC	6	EA	\$ 520.00	\$ 3,120.00
		URINAL SCREENS	1	EA	\$ 437.00	\$ 437.00
		BATH ACCESSORIES				
		TOILET PAPER HOLDERS				
		DBL. ROLL HOLDER	6	EA	\$ 360.00	\$ 2,160.00
		TOWEL DISPENSER/RECEPTACLE				
		PAPER DISPENSER/WASTE	2	EA	\$ 250.00	\$ 500.00
		SOAP DISPENSER				
		SOAP DISPENSER	5	EA	\$ 72.00	\$ 360.00
		GRAB BARS				
		1.5" DIA. x 36" S.S. HORIZONTAL GRAB BAR	2	EA	\$ 80.00	\$ 160.00
		1.5" DIA. x 42" S.S. HORIZONTAL GRAB BAR	2	EA	\$ 85.00	\$ 170.00
		S/S SHELVES/MOP RACKS				
		MOP RACKS W/SHELF	1	EA	\$ 201.00	\$ 201.00
		MIRRORS				
		MIRROR	4	EA	\$ 272.00	\$ 1,088.00
		H/C S/S 18X36	2	EA	\$ 410.00	\$ 820.00
		MISC.				
		HAND DRYER	4	EA	\$ 850.00	\$ 3,400.00
		BABY CHANGING TABLE	2	EA	\$ 294.00	\$ 588.00
11	11 00 00	EQUIPMENT				\$ -

RESTROOM BUILDING

DIVISION	#	DESCRIPTION	QUANTITY	UNIT	\$/UNIT	AMOUNT
		CONDUIT				
		1/2" GRS W/HGRS	265	LF	\$ 8.05	\$ 2,133.25
		3/4" GRS W/HGRS	20	LF	\$ 8.95	\$ 179.00
		1" GRS W/HGRS	265	LF	\$ 11.55	\$ 3,060.75
		CONDUCTORS & CABLE				
		#12 COPPER WIRE	400	LF	\$ 0.61	\$ 244.00
		#10 COPPER WIRE	640	LF	\$ 0.74	\$ 473.60
		#8 COPPER WIRE	40	LF	\$ 1.03	\$ 41.20
		WIRING DEVICES				
		TS., 20A, w/box, wire, cond, etc.	5	EA	\$ 223.00	\$ 1,115.00
		Receptacle DPX GFI, 20A, w/conduit, wire, boxes, etc.	5	EA	\$ 146.94	\$ 734.70
		Receptacle DPX GFI, 20A, WP, w/cond, box, wire	2	EA	\$ 188.00	\$ 376.00
		Junction Box	5	EA	\$ 98.00	\$ 490.00
		Timer	2	EA	\$ 186.00	\$ 372.00
		PANELBOARDS				
		225A,120/240V,1Ph,3W,MCB PB	1	EA	\$ 4,250.00	\$ 4,250.00
		GROUNDING				
		#12 COPPER WIRE	200	LF	\$ 0.58	\$ 116.00
		#10 COPPER WIRE	320	LF	\$ 0.71	\$ 227.20
		#8 COPPER WIRE	20	LF	\$ 0.74	\$ 14.80
		CIRCUIT BREAKER (IN ENCLOSURE)				
		MAIN BREAKER	1	EA	\$ 2,850.00	\$ 2,850.00
		DISCONNECT/SAFETY SWICH				
		60A,240V,3P,SAF.SWTCH DISC. GD NEMA1,FUSIBLE	2	EA	\$ 1,025.00	\$ 2,050.00
		INTERIOR LIGHTING FIXTURES				
		A UTILITY FLUORESCENT 2 LAMP	6	EA	\$ 425.00	\$ 2,550.00
		B WALL MNTD FLUOR 2 LAMP VANDAL RESIST	2	EA	\$ 450.00	\$ 900.00
		BE SAME AS ABOVE W/ BATTERY BACKUP	4	EA	\$ 545.00	\$ 2,180.00
		C CYLINDER	10	EA	\$ 330.00	\$ 3,300.00
		D WALL PACK	16	EA	\$ 390.00	\$ 6,240.00
		X EXIT LIGHT - LED	4	EA	\$ 315.00	\$ 1,260.00
		Z EMERGENCY	4	EA	\$ 279.00	\$ 1,116.00
		LIGHT @ LAVATORY	4	EA	\$ 250.00	\$ 1,000.00
		LIGHTNING PROTECTION				
		LIGHTNING PROTECTION SYSTEM	1,520	GSF	\$ 1.50	\$ 2,280.00
27	27 00 00	TECHNOLOGY				\$ -
28	28 00 00	ELECTRONIC SAFETY & SECURITY				\$ -
31	31 00 00	EARTHWORK				\$ -
		INCLUDED W/ SITE				
32	32 00 00	EXTERIOR IMPROVEMENTS				\$ -
		INCLUDED W/ SITE				
33	33 00 00	SITE UTILITIES				\$ -
		SUBTOTAL				\$ 558,456.05
	4.00%	G.C. OVERHEAD				\$ 22,338.24
		SUBTOTAL				\$ 580,794.29
	6.00%	G.C. PROFIT				\$ 34,847.66
		SUBTOTAL				\$ 615,641.94
	1.29%	BOND				\$ 7,941.78

RESTROOM BUILDING						
DIVISION	#	DESCRIPTION	QUANTITY	UNIT	\$/UNIT	AMOUNT
		SUBTOTAL				\$ 623,583.73
	5.00%	CONTINGENCY				\$ 31,179.19
TOTAL PROBABLE CONSTRUCTION COST						\$ 654,762.91

REQUESTED ACTION:

Request for Board direction regarding revenue generating activities at the Sullivan Park Marina.

SUMMARY EXPLANATION/BACKGROUND:

As the Sullivan Park project approaches the permitting stage, issues will arise that require direction about programming and policies that are anticipated to be in place once the park is open to the public.

The intended use of the marina facility must be specified as part of the permitting process required by the South Florida Water Management District (SFWMD) and the Florida Department of Environmental Protection (FDEP). These agencies want to know if the marina will charge a user fee for dockage and to what extent the facility will be made available to the public.

Three general options include:

1. No user fee. The facility would be free to the public.
2. Basic user fee. User fees would be charged at a rate roughly equivalent to the cost of annual maintenance. For example, the City charges a \$5 dockage fee to a vessel. The vessel would be allowed to stay at the marina for the day. Assuming all vessels would not want to stay all day, one could assume that a slip might turn over up to three times a day. In this scenario, the marina would generate between \$20,075 and \$60,225 annually. This figure would be considered to be roughly equivalent to normal maintenance.
3. Revenue generating user fees. User fees would be charge in excess of the cost of regular maintenance and generate program revenue. The marina could be considered as revenue generating if the City opts to either charge a larger user fee to the public, charge private commercial vessels a user fee or a combination of both.

Options 1 and 2 would be achieved through a Letter of Consent from FDEP. Option 3 would require a lease and revenue sharing of 6% of revenues. The type of permit must be determined, but the permitting process is the same for all options. The permit can be modified in the future if so desired.

Board direction is requested regarding the intent to charge user fees at the Sullivan Park Marina. The permit can be modified in the future if so desired.

There is no budget impact of this item.

ATTACHMENTS:

Letter of explanation from E-Sciences



ENGINEERING
ENVIRONMENTAL
ECOLOGICAL

MEMORANDUM

Subject: Use of Sovereign Submerged Lands for the Sullivan Park Expansion Project

TO: Ms. Kris Mory, City of Deerfield Beach
COPIES: Mr. Randy Hollingworth, Bermello, Ajamil, & Partners, Inc.
FROM: Brian Voelker, E Sciences, Incorporated
DATE: December 12, 2014
PROJECT NUMBER: 2-0818-002

E Sciences has prepared this memorandum to provide information to the City regarding use of sovereign submerged lands for the Sullivan Park Expansion Project.

As part of the Environmental Resource Permit application to the State required for the Sullivan Park improvements, the City will be required to submit an application for use of State of Florida sovereign submerged lands. Most public docks or piers owned and operated by governmental entities can apply for use of sovereign submerged lands through a Letter of Consent from the FDEP provided that any revenues collected are used solely for operation and maintenance of the structure or adjacent public recreational facilities.

Any project that proposes to use sovereign submerged lands in a manner that will generate revenue above and beyond what is required for operation and maintenance is required to obtain a state-owned submerged land lease. Leases can be *Standard* or *Extended Term*.

Standard Lease. The term for standard leases shall be five years. However, the term for leases for marinas where at least 90 percent of the slips are maintained for rent to the public on a first-come, first-served basis shall be 10 years.

Extended Term Lease. Extended term leases are those leases with terms in excess of those allowable for standard leases. Extended term leases shall be available for terms up to 25 years. Extended term leases shall be available for existing or proposed facilities or activities where the use of the sovereign submerged lands and the associated existing or proposed structures on sovereignty submerged lands have or will have an expected life, or amortization period, equal to or greater than the requested lease term.

Leases require payment to the State. The annual lease fee for standard term leases shall be six percent of the annual income, the base fee, or the minimum annual fee, whichever is greater, and includes discounts, surcharges, and other payments as described in paragraph 18-21.011(1)(b), F.A.C.

The annual lease fee for extended term leases shall be calculated using the following equation: annual lease fee for extended term leases = annual lease fee for standard term leases multiplied by $(1 + .01X)$, where: X = the term of the lease in years.

If you have any questions or need additional information, please contact Brian Voelker or Justin Freedman at (954) 484-8500.

END OF MEMORANDUM

Deerfield Beach

Community Redevelopment Agency

Monthly Expenditure Report

1/13/2015

As per CRA Resolution 2011-011

Date	Vendor	Project	Expenditure Description	Amount
				No expenses to report