

MATCHLINE STA. 167+00 - SEE SHEET L202

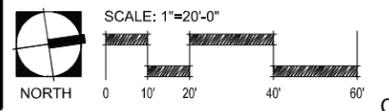
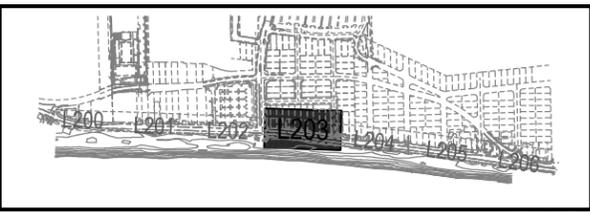
MATCHLINE STA. 173+00 - SEE SHEET L204

NOTES:

- CONTRACTOR TO REPLACE ANY CONCRETE REQUIRED TO BE REMOVED FOR INSTALLATION OF LIGHT POLES. REPLACED CONCRETE TO MATCH SURROUNDING HARDSCAPE.
- EXISTING PAVERS THAT ARE REMOVED FOR NEW CIP HARDSCAPE FLATWORK, TREE PITS AND BOLLARDS TO BE STOCKPILED AND PROTECTED. THESE PAVERS ARE TO BE RE-USED NORTH OF LAS OLAS BOULEVARD TO FILL VOIDS IN THE PAVEMENT FROM RELOCATED PALMS AND NEW BOLLARDS.
- RE-USED PAVERS INSTALLED NORTH OF LAS OLAS BOULEVARD TO MATCH EXISTING PATTERN IN COLOR AND LAYOUT.
- SIGNED AND SEALED SHOP DRAWINGS FROM LICENSED STRUCTURAL ENGINEER TO BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR REVIEW / APPROVAL FOR ANY DESIGN MODIFICATIONS REQUIRED TO BOLLARD FOOTERS DUE TO UTILITY CONFLICTS IN ORDER TO ACHIEVE AN S20 RATING.
- BOLLARDS TO BE EQUALLY SPACED AT 9' O.C., CENTERED BETWEEN TREES OR LIGHT POLES. NO GAP TO EXCEED 9' BETWEEN VERTICAL ELEMENTS.
- P-04B HARDSCAPE TO BE SAWCUT TO MATCH AND BE A CONTINUATION OF THE ADJACENT EXISTING CONCRETE PATTERN.

LEGEND

CONCRETE PAVING		SITE FURNISHINGS	
	P-01 WHITE PORTLAND CEMENT WITH BLUE GLASS AND SHELL AGGREGATE		SF-08 BIKE RACK
	P-02 LAS OLAS INTEGRAL GRAY COLORED CONCRETE		SF-11 GARBAGE/ RECYCLING CONTAINER
	P-03 WHITE PORTLAND CEMENT WITH SHELL AGGREGATE		SF-01A CONCRETE TREE GRATE
	P-04A STANDARD GRAY CONCRETE WITH SHELL AGGREGATE		SF-13 VEHICULAR BOLLARD
	P-04B STANDARD GRAY CONCRETE		SF-04 ACCENT SEATING TYPE 1
	P-05 RE-USED CONCRETE PAVERS 'SEE NOTES'		SF-14 DETECTABLE WARNINGS



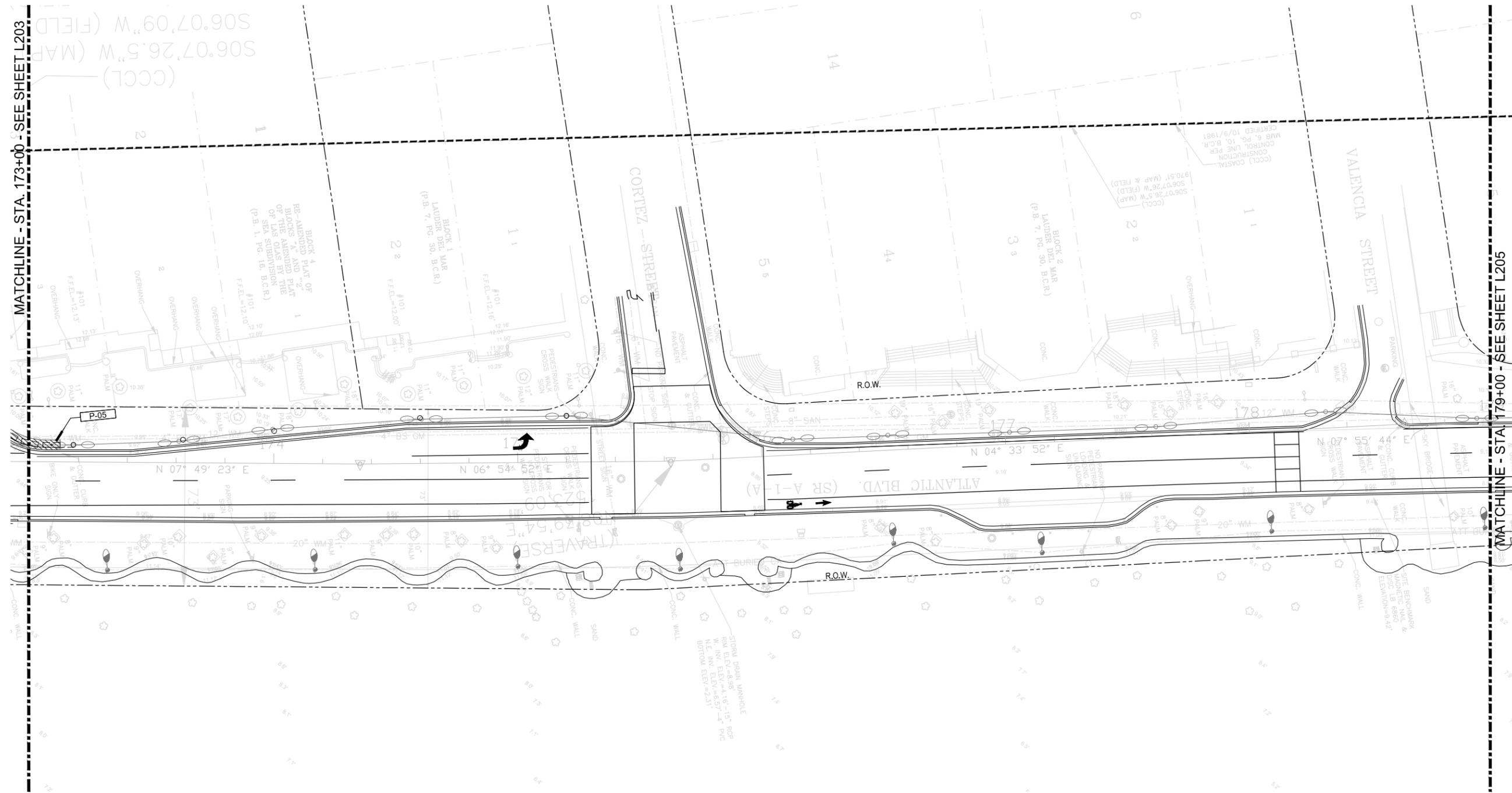
DATE:	06.27.2019
DRAWN BY:	EDSA
DESIGNED BY:	EDSA
CHECKED BY:	EDSA
SCALE:	AS SHOWN
FIELD BOOK:	

CITY OF FORT LAUDERDALE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING & ARCHITECTURE
 100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019-L-491-00003
HARDSCAPE PLAN

SHEET NO. **L203** 1 OF 00



MATCHLINE - STA. 173+00 - SEE SHEET L203

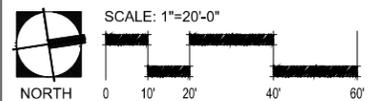
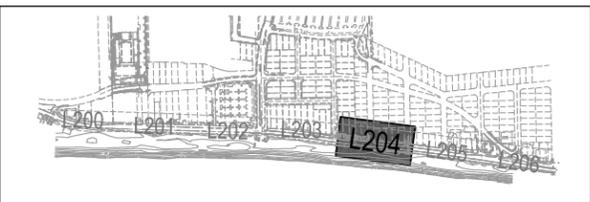
MATCHLINE - STA. 179+00 - SEE SHEET L205

NOTES:

- CONTRACTOR TO REPLACE ANY CONCRETE REQUIRED TO BE REMOVED FOR INSTALLATION OF LIGHT POLES. REPLACED CONCRETE TO MATCH SURROUNDING HARDSCAPE.
- EXISTING PAVERS THAT ARE REMOVED FOR NEW CIP HARDSCAPE FLATWORK. TREE PITS AND BOLLARDS TO BE STOCKPILED AND PROTECTED. THESE PAVERS ARE TO BE RE-USED NORTH OF LAS OLAS BOULEVARD TO FILL VOIDS IN THE PAVEMENT FROM RELOCATED PALMS AND NEW BOLLARDS.
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- BOLLARDS TO BE EQUALLY SPACED AT 9' O.C., CENTERED BE BETWEEN TREES OR LIGHT POLES. NO GAP TO EXCEED 9' BETWEEN VERTICAL ELEMENTS.
- P-04B HARDSCAPE TO BE SAWCUT TO MATCH AND BE A CONTINUATION OF THE ADJACENT EXISTING CONCRETE PATTERN.

LEGEND

CONCRETE PAVING		SITE FURNISHINGS	
	P-01 WHITE PORTLAND CEMENT WITH BLUE GLASS AND SHELL AGGREGATE		BIKE RACK SF-08
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	P-03 WHITE PORTLAND CEMENT WITH SHELL AGGREGATE		CONCRETE TREE GRATE SF-01A
	P-04A STANDARD GRAY CONCRETE WITH SHELL AGGREGATE		VEHICULAR BOLLARD SF-13
	P-04B STANDARD GRAY CONCRETE		ACCENT SEATING TYPE 1 SF-04
	P-05 RE-USED CONCRETE PAVERS 'SEE NOTES'		



DATE:	08/27/2019
DESIGNED BY:	EDSA
CHECKED BY:	EDSA
SCALE:	AS SHOWN
FIELD BOOK:	

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

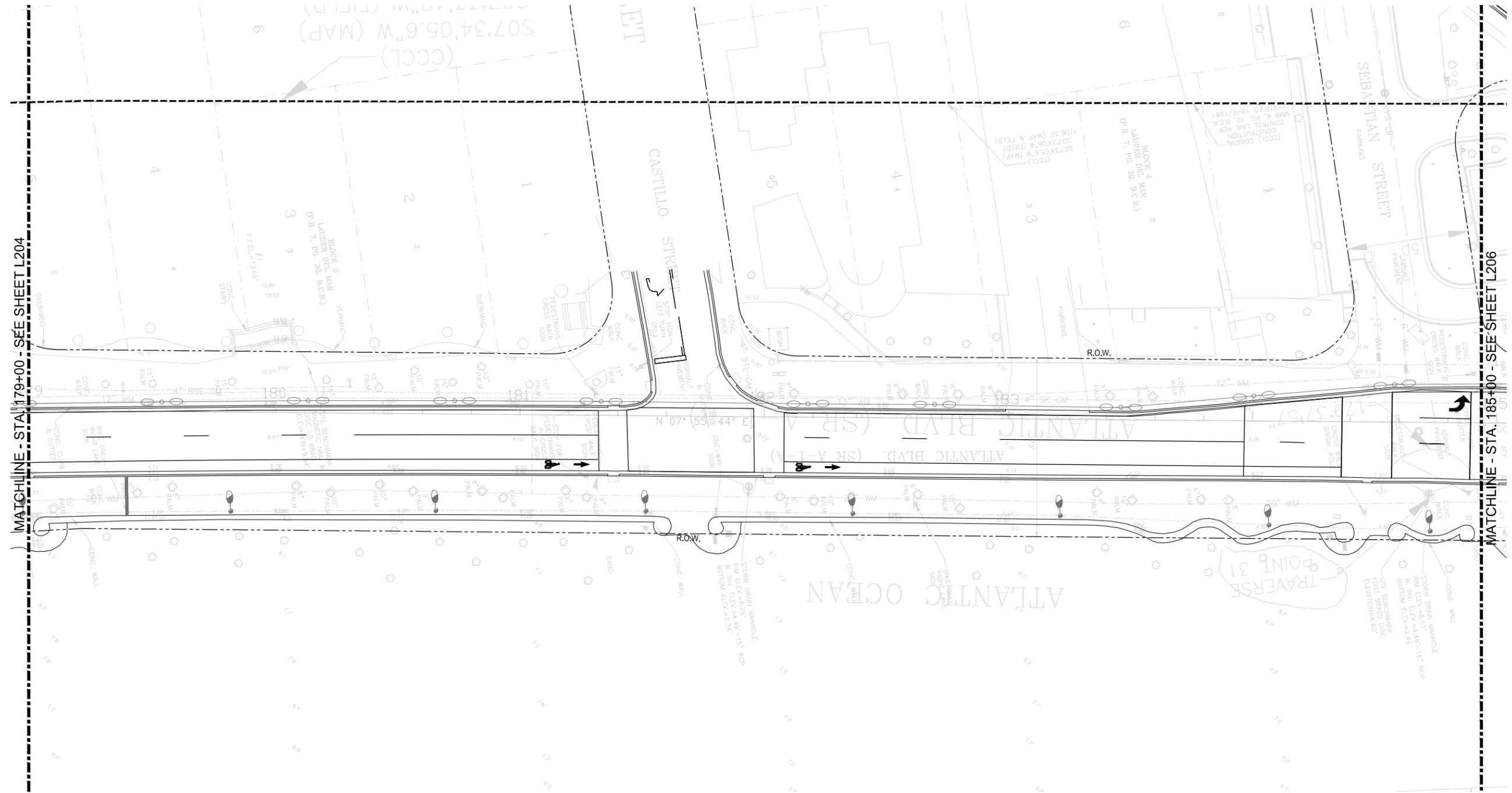
NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL
FDOT LANDSCAPE PERMIT # 2019-L-491-00003
HARDSCAPE PLAN

SHEET NO. **L204** 1 OF 00

Kimley-Horn
 1890 S CONGRESS AVE, SUITE 100
 FORT LAUDERDALE, FL 33301
 PHONE: 561-330-2345 FAX: 561-330-2245
 WWW.KIMLEY-HORN.COM CA 00000696

EDSA, Inc.
 1512 E. Broward Blvd. Suite 110
 Fort Lauderdale, FL 33301
 954-524-3330



MATCHLINE - STA. 179+00 - SEE SHEET L204

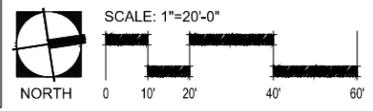
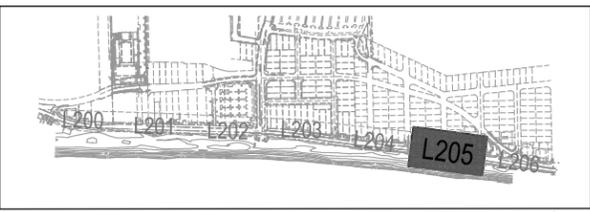
MATCHLINE - STA. 185+00 - SEE SHEET L206

NOTES:

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 PUBLIC WORKS DEPARTMENT
 ENGINEERING & ARCHITECTURE
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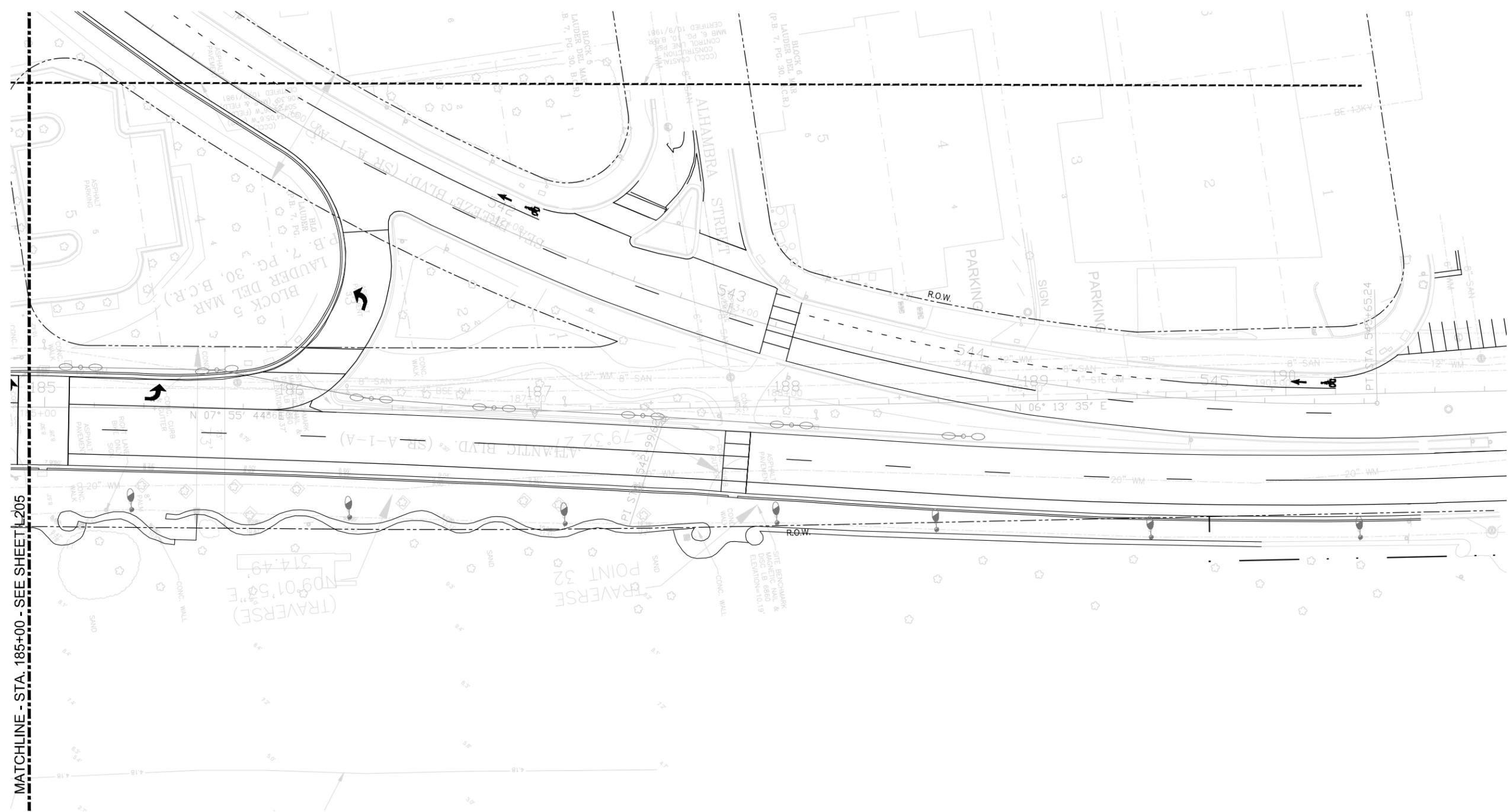
100% CONSTRUCTION DRAWINGS

PROJECT # 11681
 A1A STREETSCAPE IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019-L-491-00003
 HARDSCAPE PLAN

SHEET NO.	1 OF 00
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Kimley-Horn
 1890 S CONGRESS AVE, SUITE 100
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 PHONE: 954-330-2345 FAX: 954-330-2245
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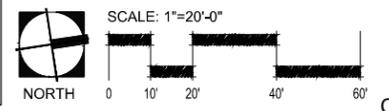
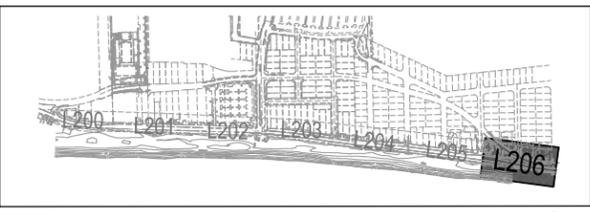
MATCHLINE - STA. 185+00 - SEE SHEET L205

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 ENGINEERING & ARCHITECTURE
 100 North Andrews Avenue, Fort Lauderdale, Florida 33301

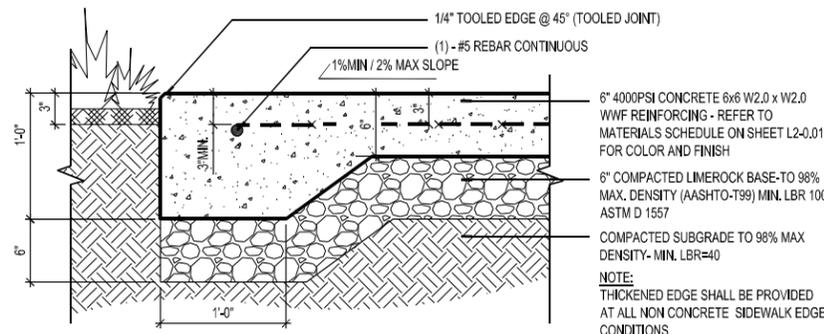
NO.	DATE	BY	CHK'D	DESCRIPTION

100% CONSTRUCTION DRAWINGS

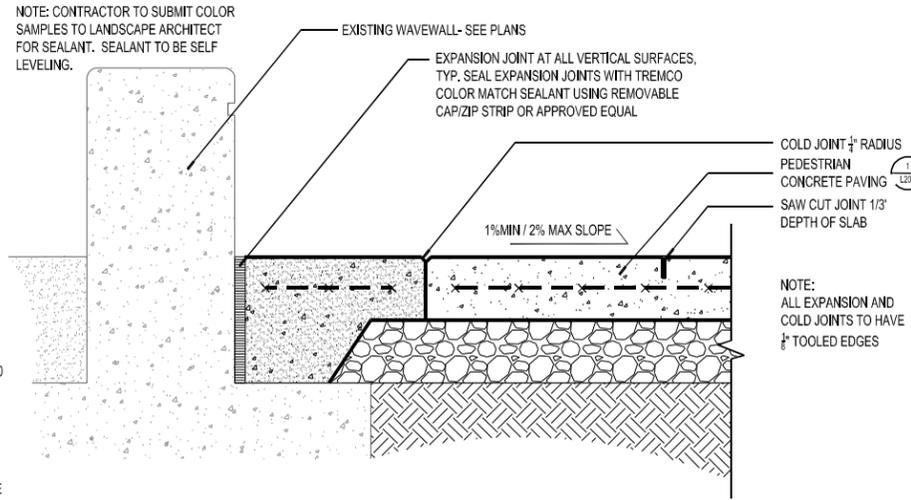
PROJECT # 11681
 A1A STREETScape IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019.L-491-00003
 HARDSCAPE PLAN

SHEET NO. **L206** 1 OF 00

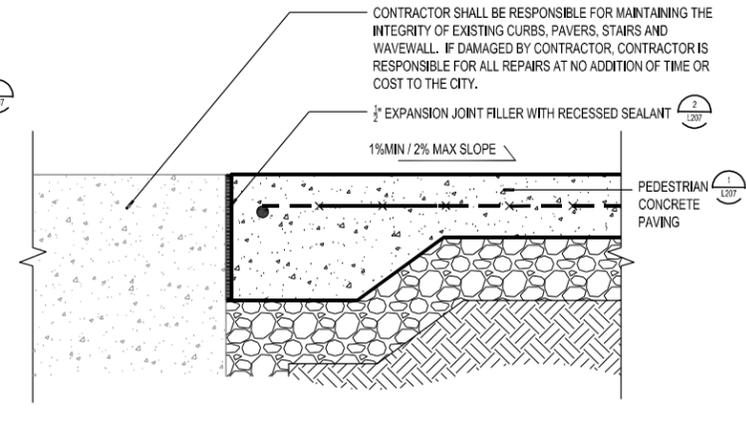
NOTE: PATTERNED PAVEMENT INSTALLATION SHALL COMPLY WITH CURRENT FDOT STANDARD SPECIFICATION 523. ONLINE REFERENCE: [HTTP://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS/JANUARY2018/FILES/118EBOOK.PDF](http://www.fdot.gov/programmanagement/implemented/specbooks/january2018/files/118ebook.pdf)



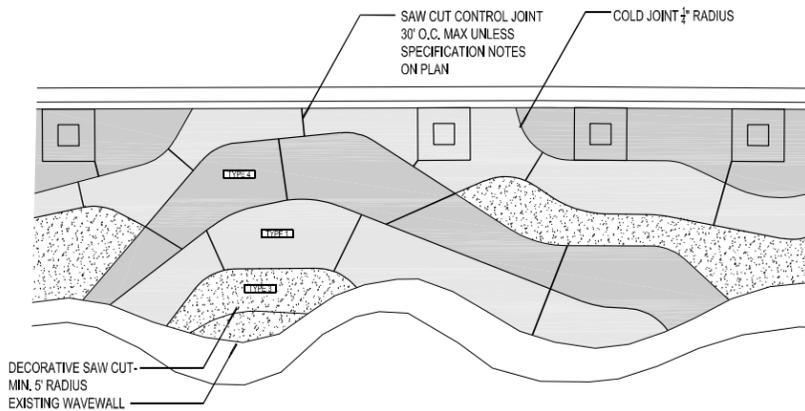
1 PEDESTRIAN CONCRETE PAVING D_CONC-Paving
 SECTION SCALE: 1-1/2"=1'-0"



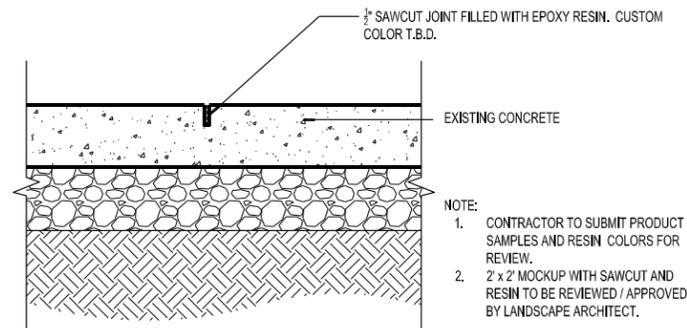
2 CONCRETE JOINTING DETAIL D_CONC-Sawcut
 SECTION SCALE: 1-1/2"=1'-0"



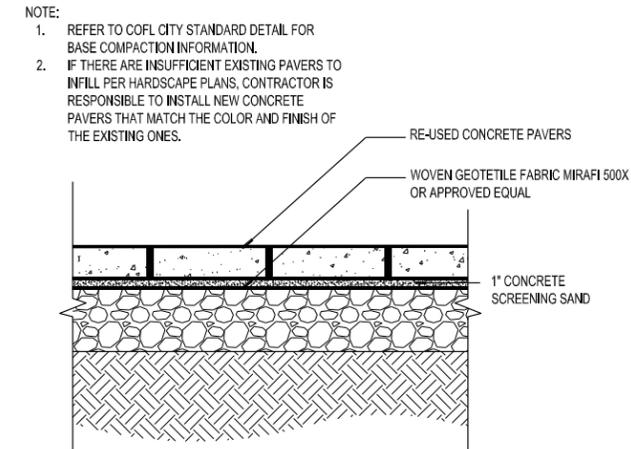
3 CONCRETE TO EXISTING CONDITIONS D_CONC-Concrete Ex Seawall
 SECTION SCALE: 1-1/2"=1'-0"



4 CONCRETE PAVING - TYPICAL JOINTING
 SECTION SCALE: 1/8"=1'-0"



5 SAW CUT RESIN JOINT D_CONC-SAW CUT RESIN JOINT
 SECTION SCALE: 1-1/2"=1'-0"



6 RE-USED CONCRETE PAVERS D_PAVR-RE USED
 SECTION SCALE: 1-1/2"=1'-0"

SEAL:

DATE:	08/27/2019
DRAWN BY:	EDSA
CHECKED BY:	EDSA
SCALE:	AS SHOWN
FIELD BOOK:	

CITY OF FORT LAUDERDALE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING & ARCHITECTURE
 100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION
NO.	DATE	BY (CHK'D)

PROJECT # 11681
 A1A STREETSCAPE IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019.L-491-00003
 HARDSCAPE DETAILS

SHEET NO.	1 OF 00
FILE	11681-000-HSCP-DET.dwg

Product Information **TF1196**



Finish Options:
WHITE PORTLAND CEMENT WITH BLUE GLASS AGGREGATE

Size: 29" Dia. X 40" H
Weight: 1,050 Lbs.
Capacity: 2 - 27 gallon plastic liners
Material: Reinforced concrete
Reinforcing: 1/4" Dia. steel rebar
Parts: 1- polyethylene plastic 2 hole lid
2- 27 gal. Polyethylene liner
1- Temper proof security cable assembly
4- 1/2" Elevator bolts for leveling
Lage Options: - 8" Dia Inkjet City of Fort Lauderdale logo
- Custom cast in band
Plastic Lid:
Gray Granite(55)



One Forthright Division PO Box 1525, Wausau, WI 54481-1525 (800) 368-8726
Date: 10/11/12

NOTE:
GARBAGE/RECYCLING CONTAINERS TO MATCH LAS OLAS CORRIDOR IMPROVEMENTS PROJECT #11900 AS PURCHASED BY THE CITY OF FORT LAUDERDALE.

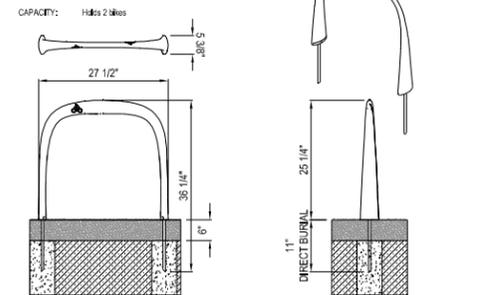
MANUFACTURER:
WAUSAU MADE
CONTACT: TROY DAHLKE
813.334.0016

1 GARBAGE/ RECYCLING CONTAINER D_FURN-Container
WAUSAU SCALE: FULL

SCBR1600-DB **1600 SERIES**

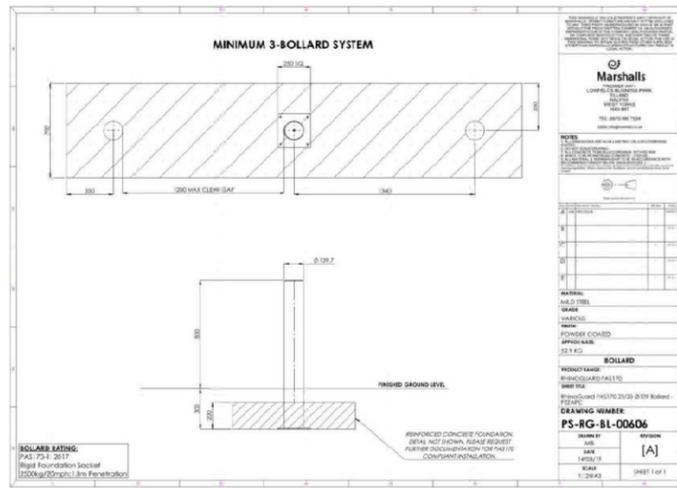


MATERIALS: The Bike Rack is made from solid cast aluminum.
FINISH: The Maglin Powdercoat System provides a durable finish on all metal surfaces.
DIMENSIONS: Height - 36.25" (92.1cm)
Length - 27.57" (70.6cm)
Width - 3.75" (9.5cm)
Weight - 22lbs (10kg)
CAPACITY: Holds 2 bikes



NOTE:
1. FOOTER DEPTHS PER MANUFACTURERS RECOMMENDATIONS
2. PAVEMENT VARIES - SEE HARDSCAPE PLAN

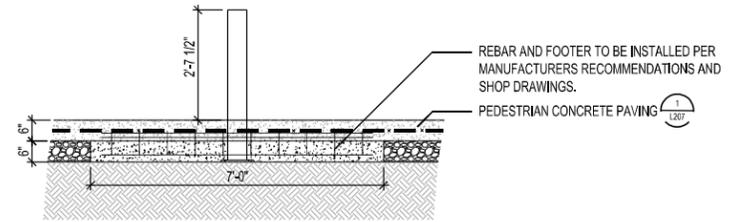
3 BIKE RACK D_FURN-Bike Rack
MAGLIN - SITE FURNITURE SCALE: FULL



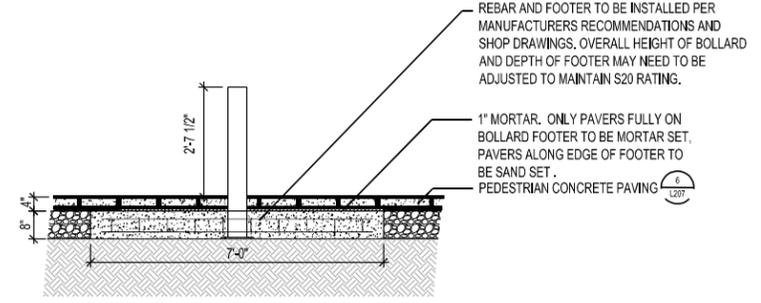
TYPICAL DETAIL FOR FIXED BOLLARD: 2500kg/20mph VEHICULAR RATING

- NOTE:**
- WHEN BOLLARD IS LOCATED IN HARDSCAPE- TOP OF FOOTER IS TO BE CONCEALED UNDER CONCRETE FLATWORK OR PAVER SURFACE.
 - CONTRACTOR IS RESPONSIBLE FOR ANY CUSTOM FOOTER OR ALTERNATE FOOTER DESIGN OR CALCULATIONS DUE TO CONFLICTS WITH EXISTING UTILITIES TO MEET THE S20 RATING.
 - BOLLARDS TO BE 316 SS WITH A WITH AN AKZONOBEL THERMOSET FINISH - RAL COLOR TO BE 7035- WARRANTY FOR THE FINISH TO BE A MINIMUM OF 25 YEARS.
 - CONTRACTOR TO SUBMIT CARBON STEEL (MILD STEEL) BOLLARDS WITH AN AKZONOBEL THERMOSET FINISH AS DEDUCT ALTERNATE - RAL COLOR TO BE 7035. WARRANTY FOR THE FINISH TO BE A MINIMUM OF 25 YEARS.
 - SHOP DRAWINGS TO BE PROVIDED, SIGNED AND SEALED BY A FLORIDA LICENSED STRUCTURAL ENGINEER.

2 FIXED VEHICULAR BOLLARD D_FURN-Vehic Bollard
MARSHALLS BOLLARDS SCALE: FULL



COVERAGE 1: CONCRETE



COVERAGE 2: PAVERS

REBAR AND FOOTER TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND SHOP DRAWINGS.

REBAR AND FOOTER TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND SHOP DRAWINGS. OVERALL HEIGHT OF BOLLARD AND DEPTH OF FOOTER MAY NEED TO BE ADJUSTED TO MAINTAIN S20 RATING.

1" MORTAR. ONLY PAVERS FULLY ON BOLLARD FOOTER TO BE MORTAR SET. PAVERS ALONG EDGE OF FOOTER TO BE SAND SET.

Bid 12662-223
Kimley-Horn
EDSA, Inc.
1512 E. Broward Blvd. Suite 110
Fort Lauderdale, FL 33301
954.524.3330

SEAL:

DATE: 05/27/2019	SCALE: AS SHOWN
DRAWN BY: EDSA	CHECKED BY: EDSA
DESIGNED BY: EDSA	FIELD BOOK:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS

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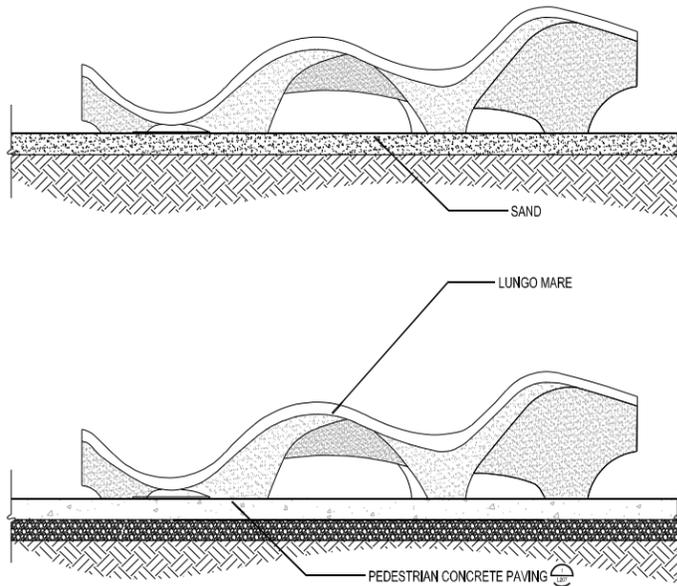
PROJECT # P11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL
FDOT LANDSCAPE PERMIT # 2019.L-491-00003
HARDSCAPE DETAILS

SHEET NO. **L208** 1 OF 00
FDOT PERMIT NUMBER: 2019-L-491-00006
Page 6 of 31

Kimley-Horn
 CONSULTING ENGINEERS
 1512 E. Broward Blvd. Suite 110
 Fort Lauderdale, FL 33301
 (954) 524-3300

SEAL:

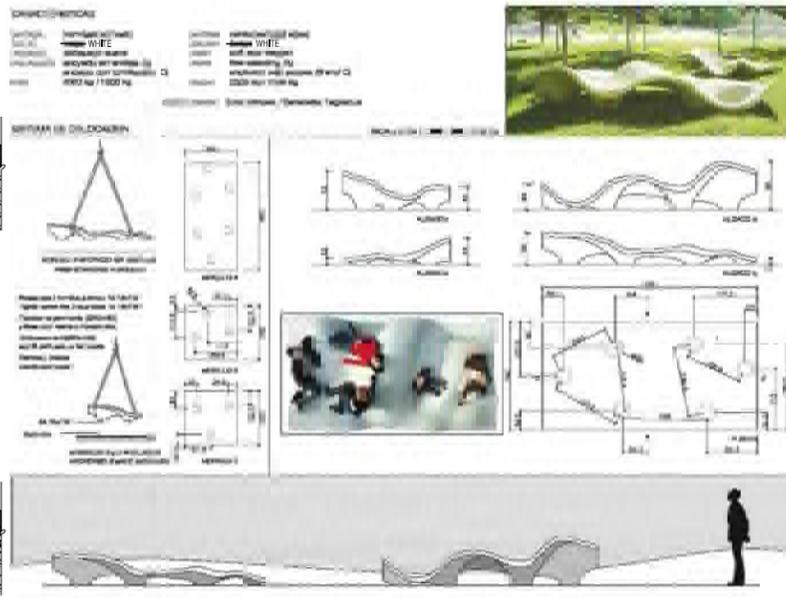
DATE:	06/27/2019
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FIELD BOOK:	



MANUFACTURER: LANDSCAPE FORMS
 CONTACT: MICHELLE MONTESANO 800.430.6206

1 ACCENT SEATING - TYPE A
 ESCOFET_LUNGO MARE

D. Escofet_Slope
 SCALE: 1/2"=1'-0"



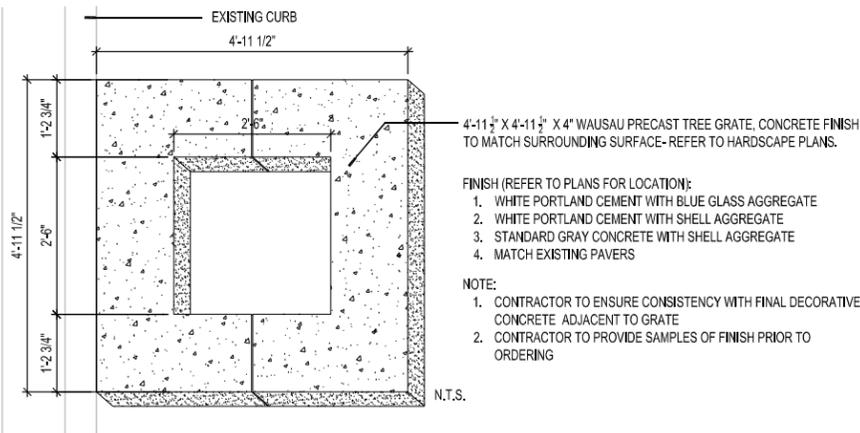
ADA STANDARDS MINIMUM REQUIREMENTS

NOTE: TO BE INSTALLED AT ALL CROSSWALKS - REFER TO CIVIL DRAWINGS. 316 SS - SAMPLES TO BE PROVIDED TO LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

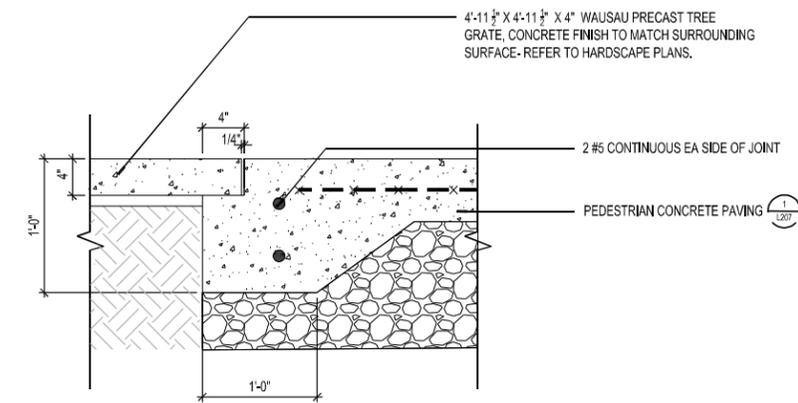
- TACTILE INDICATOR WARNING STUDS
- MODEL: LTSTL(25MM)
- MANUFACTURER: LATHAM AUSTRALIA
- ADDRESS: 14 TENNYSON ROAD GLADESVILLE 2111 NSW AUSTRALIA
- PHONE: +61283153202
- WWW.LATHAM-AUSTRALIA.COM
- NOTE: LAYOUT PATTERN TO MEET/COMPLY WITH ADA, FCC, AND FACBC STANDARDS
- CONTRACTOR TO WASH OUT ALL CONCRETE DUST AND DRY HOLES PRIOR TO INSTALLATION
- INSTALLATION: PER MANUFACTURER'S SPECIFICATIONS.

2 DETECTABLE WARNING INDICATORS
 WAUSAU

SCALE: FULL

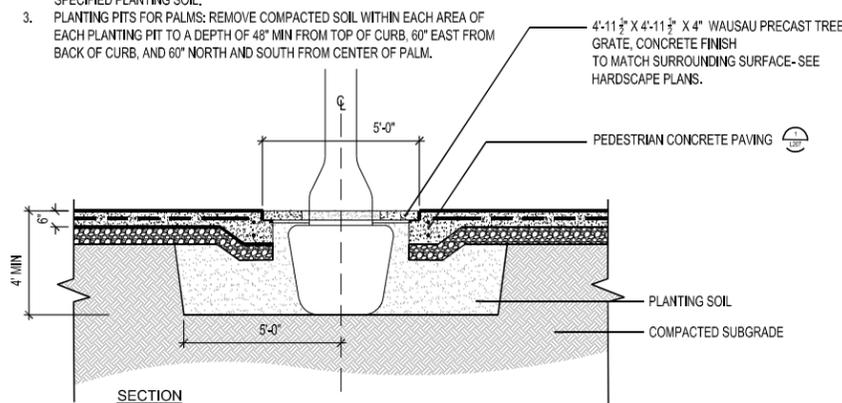


- NOTE:
- WHERE NOT CONFLICTING WITH THE ROOTBALL OF PROPOSED LANDSCAPE MATERIAL, CONTRACTOR SHALL PRESERVE A CONTINUOUS BAND OF UNDISTURBED COMPACTED SUB-BASE 18" FROM THE BACK OF CURB.
 - CONTRACTOR SHALL INSURE THAT ALL UNSUITABLE SOIL INCLUDING CONCRETE, PAVEMENT, ROAD BASE, STONES OVER 3" DIAMETER AND ALL CONSTRUCTION DEBRIS, IS REMOVED FROM THE AREA TO BE PLANTED AND REPLACED WITH SPECIFIED PLANTING SOIL.
 - PLANTING PITS FOR PALMS: REMOVE COMPACTED SOIL WITHIN EACH AREA OF EACH PLANTING PIT TO A DEPTH OF 48" MIN FROM TOP OF CURB, 60" EAST FROM BACK OF CURB, AND 60" NORTH AND SOUTH FROM CENTER OF PALM.



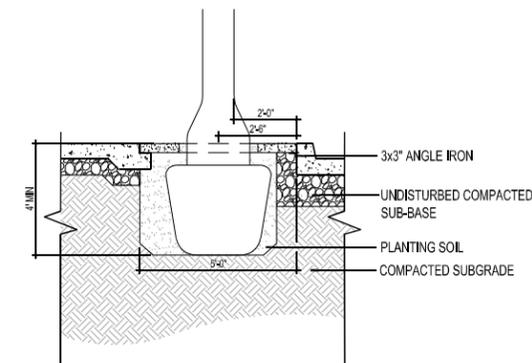
3 PRECAST GRATE - CONCRETE

D. GRATE-PrecastConcrete
 SCALE: 1-1/2"=1'-0"



4 SAND PLANTER BASE

SECTION



SCALE: 3/8"=1'-0"

CITY OF FORT LAUDERDALE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING & ARCHITECTURE
 100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION
NO.	DATE	BY / CHK'D

PROJECT # P11681
 A1A STREETSCAPE IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019.L-491-00003
 HARDSCAPE DETAILS

SHEET NO.	1 OF 00
DATE	06/27/2019

Kimley-Horn
1800 S CONGRESS AVE, SUITE 100
FORT LAUDERDALE, FL 33301
PHONE: 954-330-2345 FAX: 954-330-2245
WWW.KIMLEY-HORN.COM CA 0000099

EDSA, Inc.
1512 E. Broward Blvd. Suite 110
Fort Lauderdale, FL 33301
954-524-3330

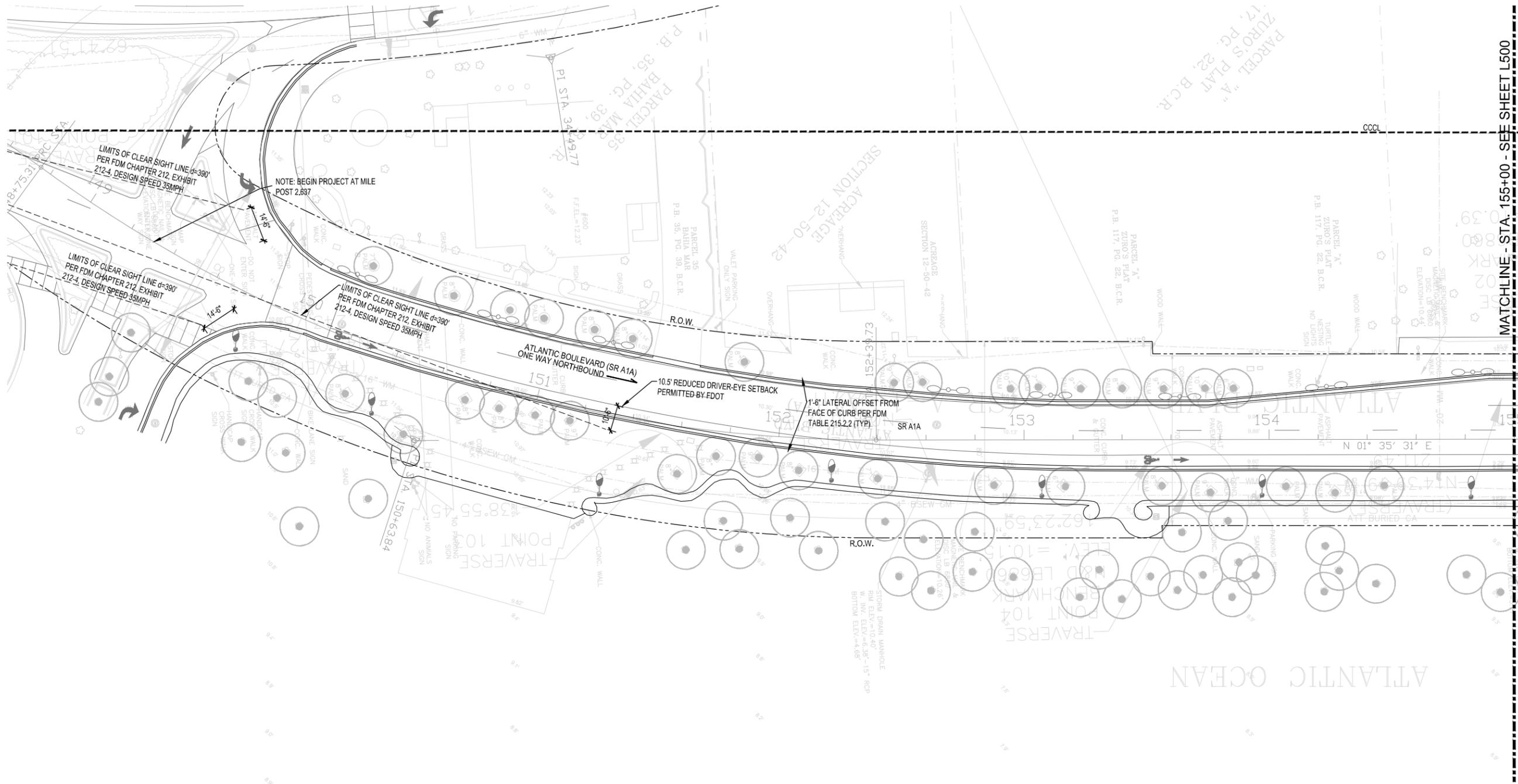
DATE:	08/27/2019
SCALE:	AS SHOWN
DESIGNED BY:	EDSA
CHECKED BY:	EDSA
FIELD BOOK:	

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

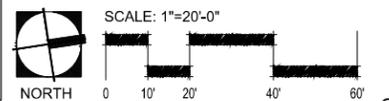
NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL
FDOT LANDSCAPE PERMIT # 2019-L-491-0003
LANDSCAPE PLAN

SHEET NO.	1 OF 00
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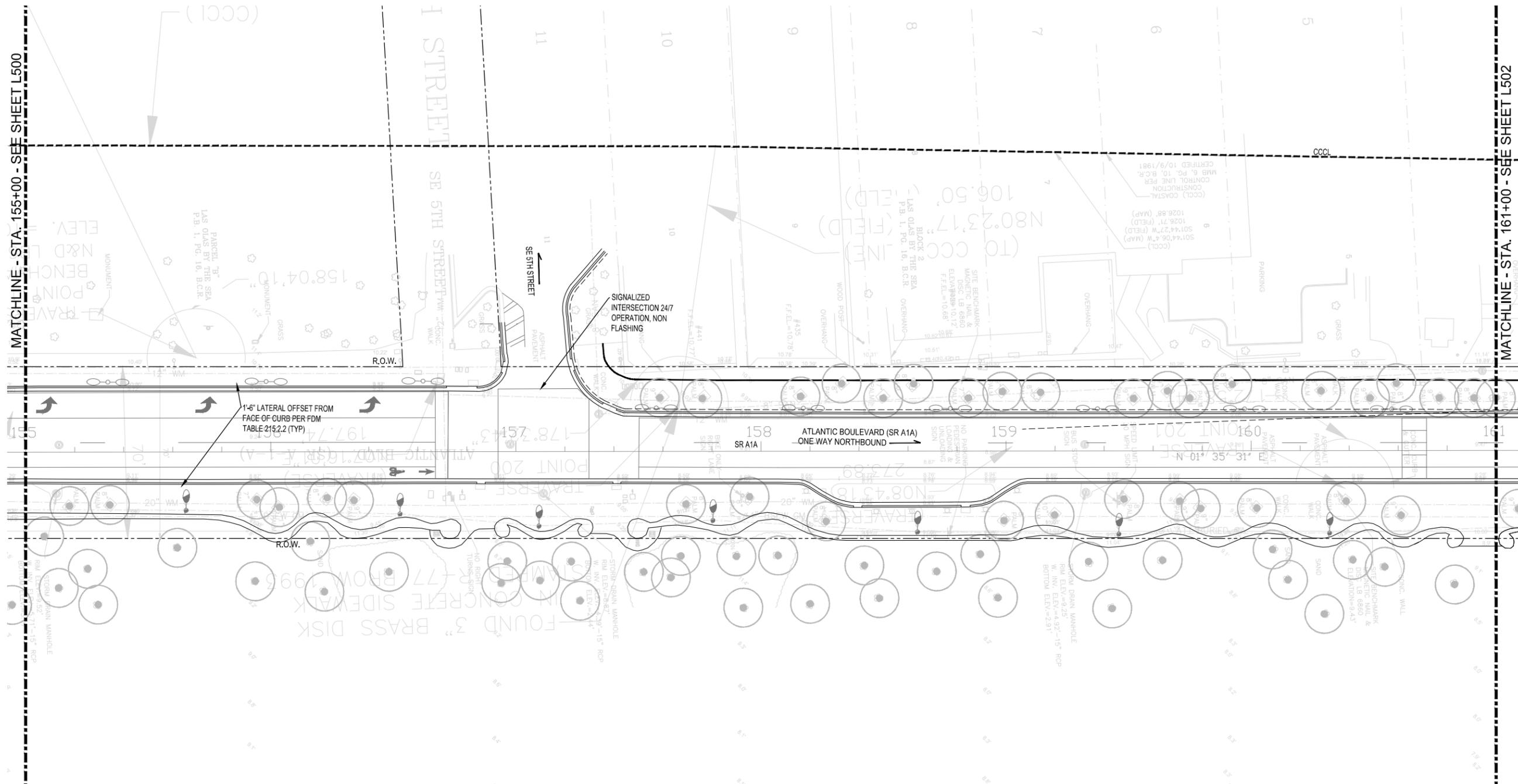
TREE SCHEDULE							
PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	REMARKS
	COC MAY	See Plan	Cocos nucifera 'Maypan'	Mypan Coconut Palm	FG	16'-18' C.T.	Straight, Heavy. Contractor to ensure selected palms fit within precast tree grate. Green Malayan to be alternate.
	PHX	See Plan	Phoenix dactylifera 'Medjool'	Date Palm	FG	16' C.T.	Diamond Cut



FDOT PERMIT NUMBER: 2019-L-491-00006

Kimley-Horn
 1800 S CONGRESS AVE, SUITE 100
 FORT LAUDERDALE, FL 33301
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 WWW.KIMLEY-HORN.COM CA 00000696

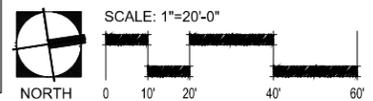
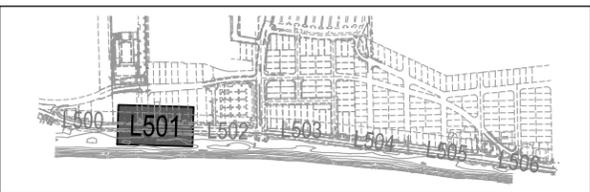
EDSA, Inc.
 1512 E. Broward Blvd. Suite 110
 Fort Lauderdale, FL 33301
 954-524-3330



MATCHLINE - STA. 155+00 - SEE SHEET L500

MATCHLINE - STA. 161+00 - SEE SHEET L502

TREE SCHEDULE							
PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	REMARKS
	COC MAY	See Plan	Cocos nucifera 'Maypan'	Mypan Coconut Palm	FG	16'-18' C.T.	Straight, Heavy. Contractor to ensure selected palms fit within precast tree grate. Green Malayan to be alternate.
	PHX	See Plan	Phoenix dactylifera 'Medjool'	Date Palm	FG	16' C.T.	Diamond Cut



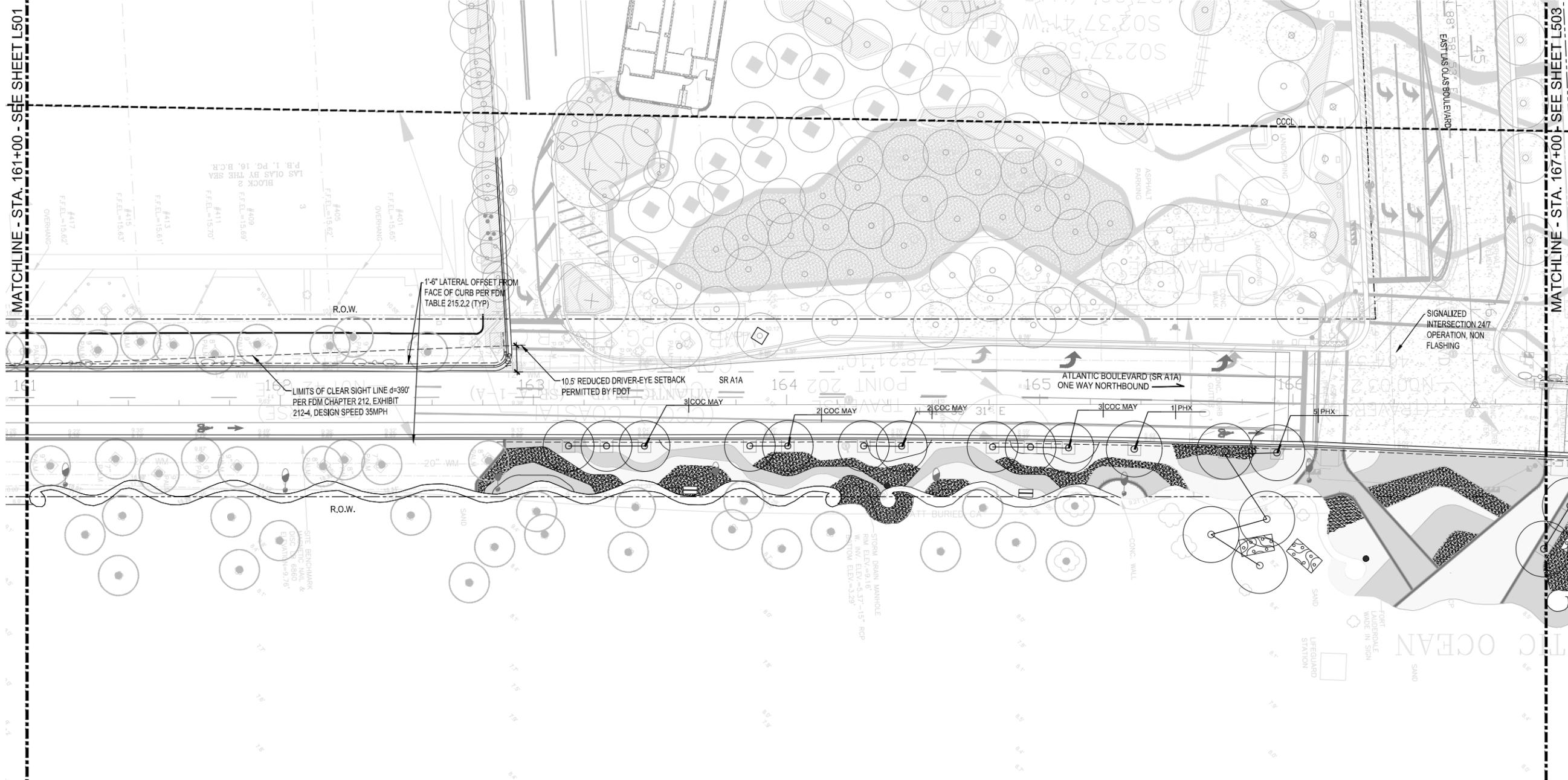
DATE:	08/27/2019
SCALE:	AS SHOWN
DESIGNED BY:	EDSA
CHECKED BY:	EDSA
FIELD BOOK:	

CITY OF FORT LAUDERDALE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING & ARCHITECTURE
 100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS	
NO.	DESCRIPTION

PROJECT # 11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019-L-491-0003
LANDSCAPE PLAN

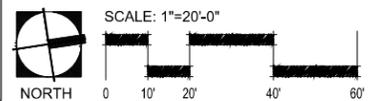
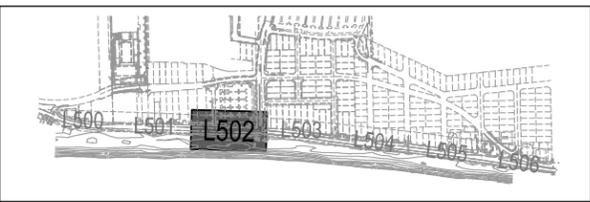
SHEET NO.
L501
 1 OF 00



MATCHLINE - STA. 161+00 - SEE SHEET L501

MATCHLINE - STA. 167+00 - SEE SHEET L503

TREE SCHEDULE							
PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	REMARKS
	COC MAY	See Plan	Cocos nucifera 'Maypan'	Mypan Coconut Palm	FG	16'-18' C.T.	Straight, Heavy. Contractor to ensure selected palms fit within precast tree grate. Green Malayan to be alternate.
	PHX	See Plan	Phoenix dactylifera 'Medjool'	Date Palm	FG	16' C.T.	Diamond Cut



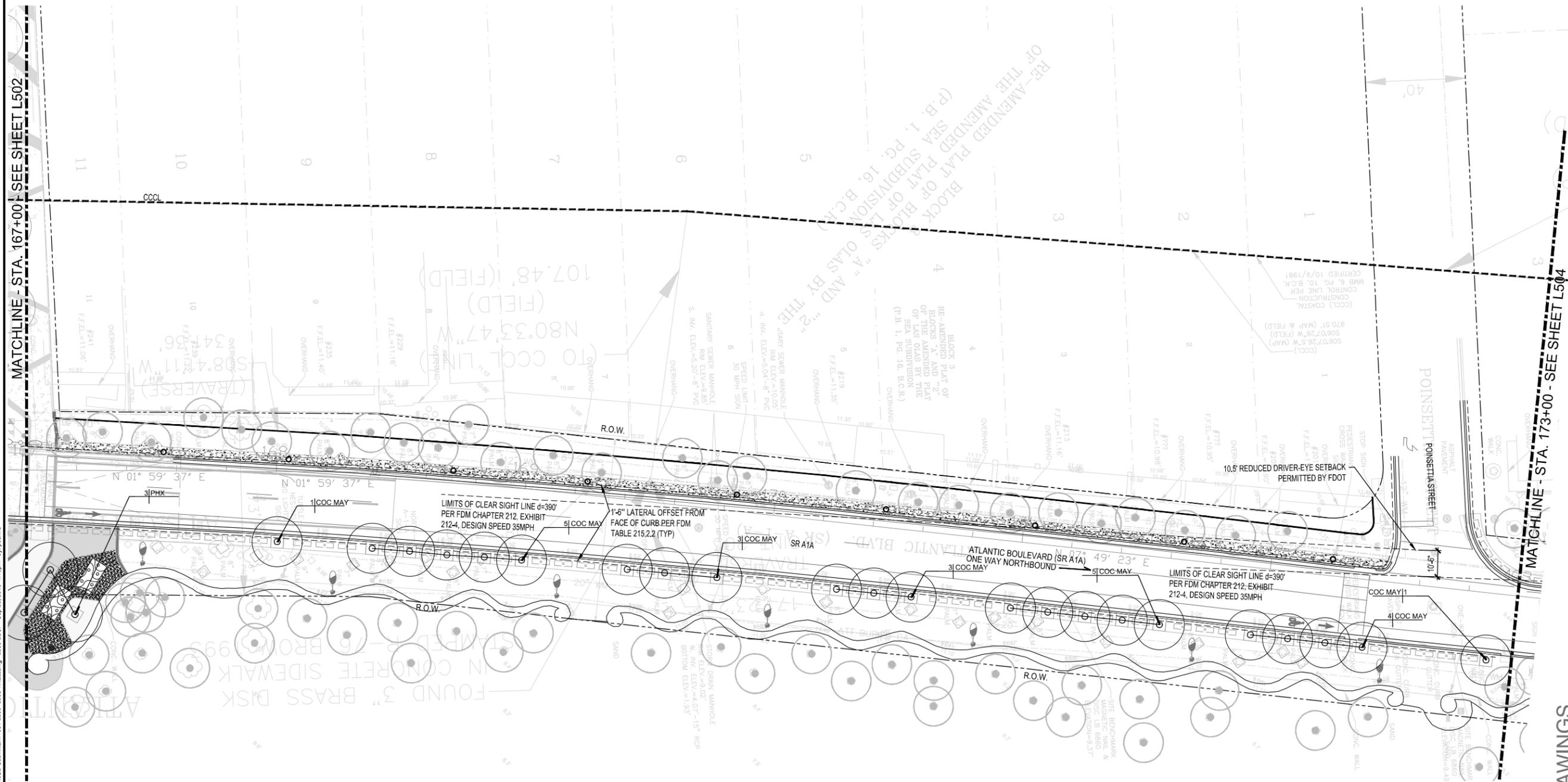
DATE:	08.27.2019
DRAWN BY:	EDSA
DESIGNED BY:	EDSA
CHECKED BY:	EDSA
FIELD BOOK:	

CITY OF FORT LAUDERDALE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING & ARCHITECTURE
 100 North Andrews Avenue, Fort Lauderdale, Florida 33301

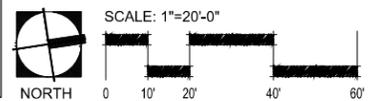
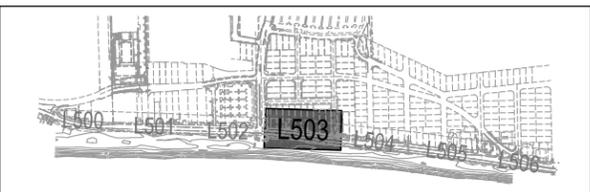
REVISIONS	
NO.	DESCRIPTION

PROJECT # 11681
 A1A STREETSCAPE IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019-L-491-0003
 LANDSCAPE PLAN

SHEET NO.
L502
 1 OF 00



TREE SCHEDULE							
PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	REMARKS
	COC MAY	See Plan	Cocos nucifera 'Maypan'	Mypan Coconut Palm	FG	16'-18' C.T.	Straight, Heavy. Contractor to ensure selected palms fit within precast tree grate. Green Malayan to be alternate.
	PHX	See Plan	Phoenix dactylifera 'Medjool'	Date Palm	FG	16' C.T.	Diamond Cut



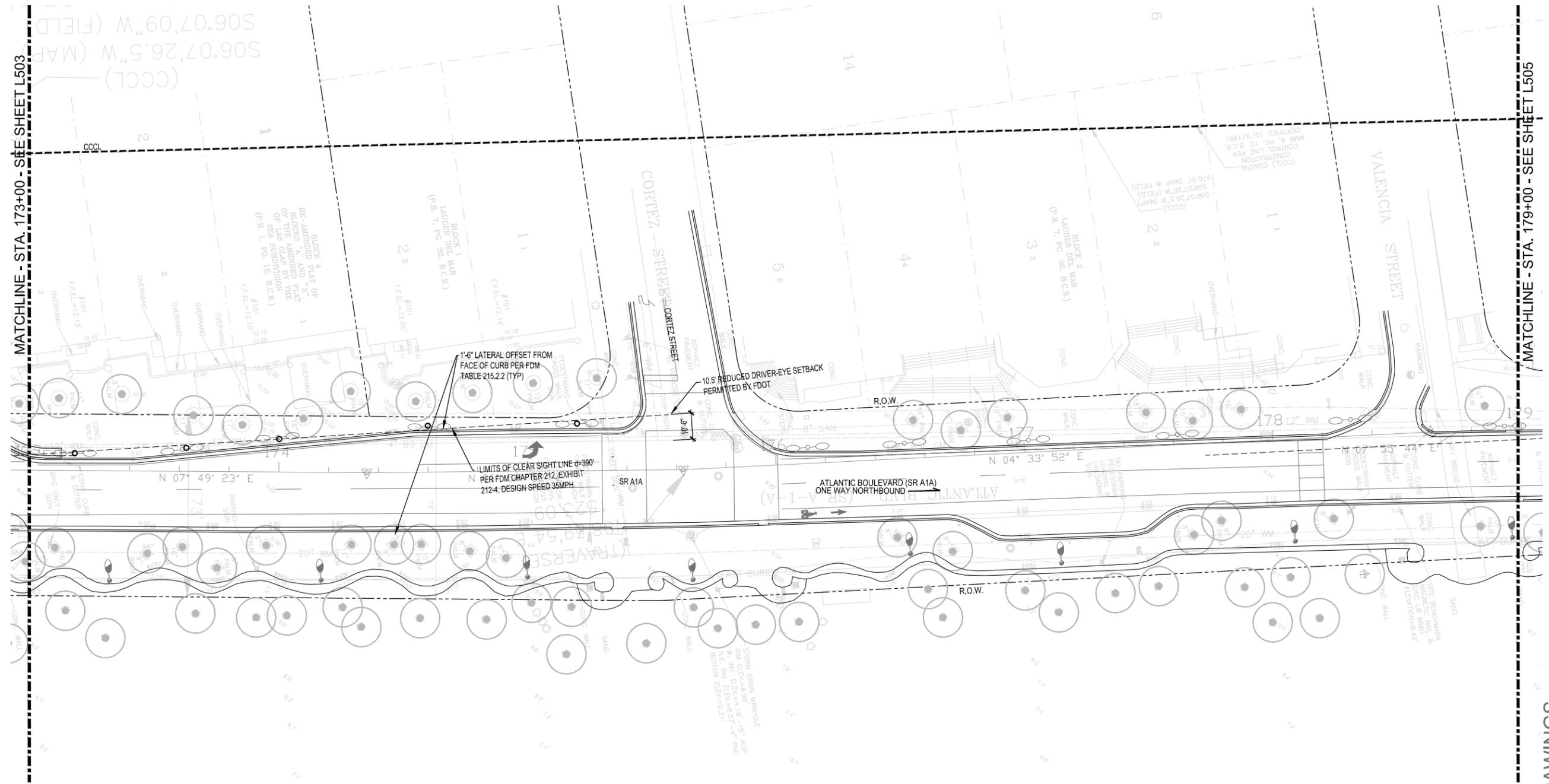
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DESIGNED BY:	EDSA
CHECKED BY:	EDSA
SCALE:	AS SHOWN
FIELD BOOK:	

CITY OF FORT LAUDERDALE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING & ARCHITECTURE
 100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS	
NO.	DESCRIPTION

PROJECT # 11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019-L-491-0003
LANDSCAPE PLAN

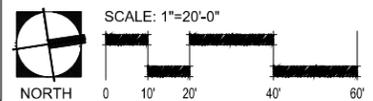
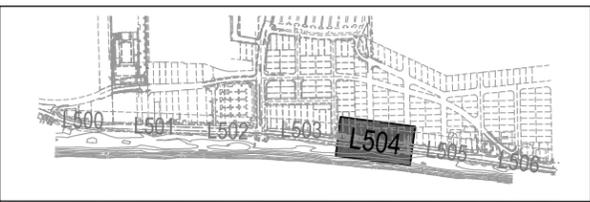
SHEET NO.
L503
 1 OF 00



MATCHLINE - STA. 173+00 - SEE SHEET L503

MATCHLINE - STA. 179+00 - SEE SHEET L505

TREE SCHEDULE							
PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	REMARKS
	COC MAY	See Plan	Cocos nucifera 'Maypan'	Mypan Coconut Palm	FG	16'-18' C.T.	Straight, Heavy. Contractor to ensure selected palms fit within precast tree grate. Green Malayan to be alternate.
	PHX	See Plan	Phoenix dactylifera 'Medjool'	Date Palm	FG	16' C.T.	Diamond Cut



REVISIONS	
NO.	DESCRIPTION

100% CONSTRUCTION DRAWINGS

PROJECT # 11681
 A1A STREETSCAPE IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019-L-491-0003
 LANDSCAPE PLAN

SHEET NO.
L504
 1 OF 00

DATE:	08/27/2019
DESIGNED BY:	EDSA
CHECKED BY:	EDSA
SCALE:	AS SHOWN
FIELD BOOK:	

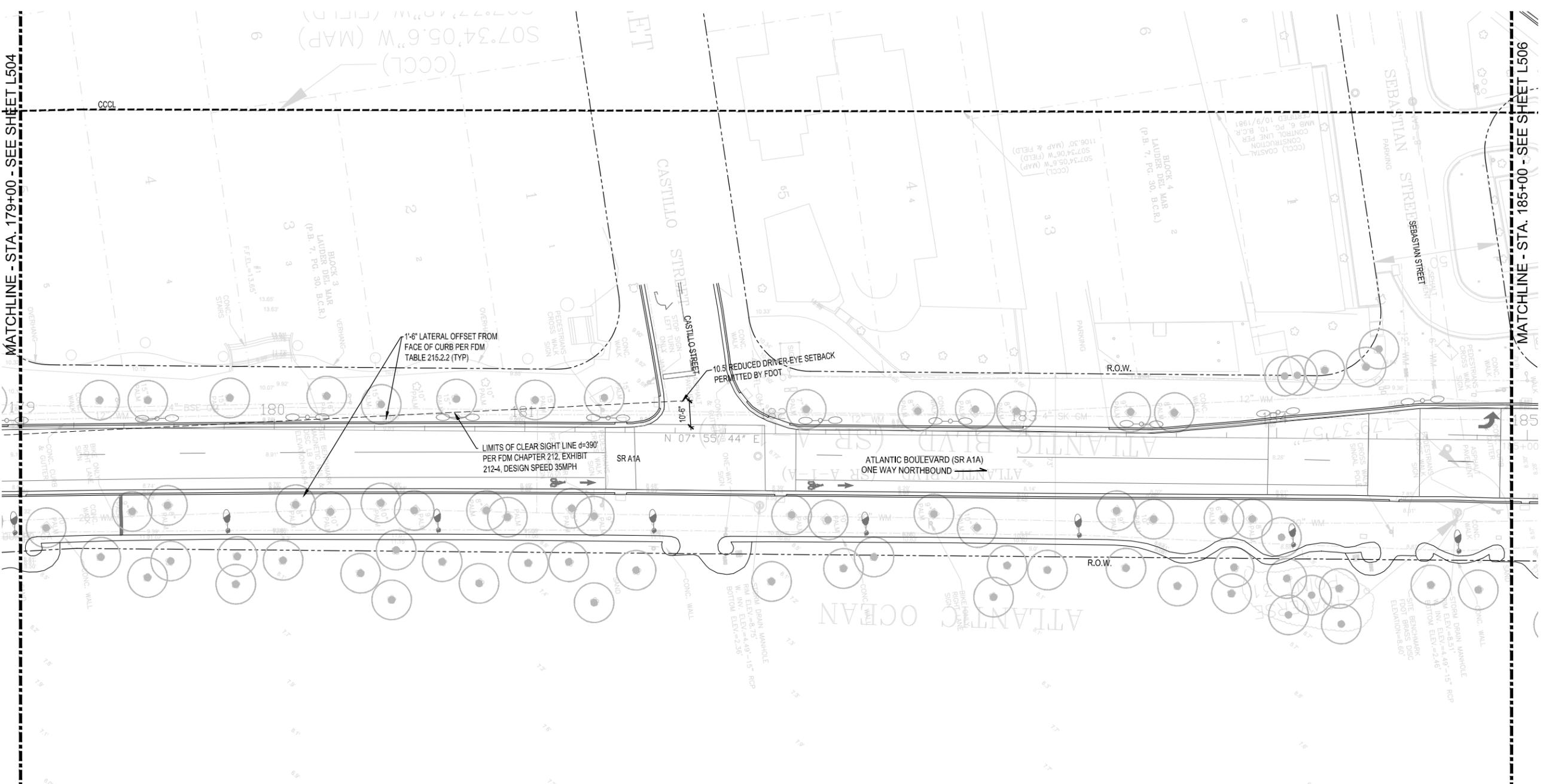
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

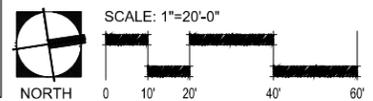
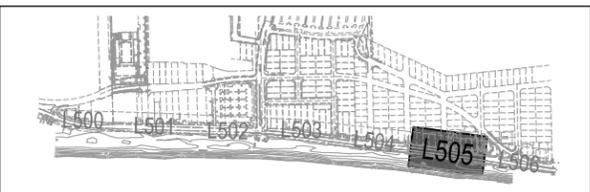
100% CONSTRUCTION DRAWINGS

PROJECT # 11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL
FDOT LANDSCAPE PERMIT # 2019-L-491-0003
LANDSCAPE PLAN

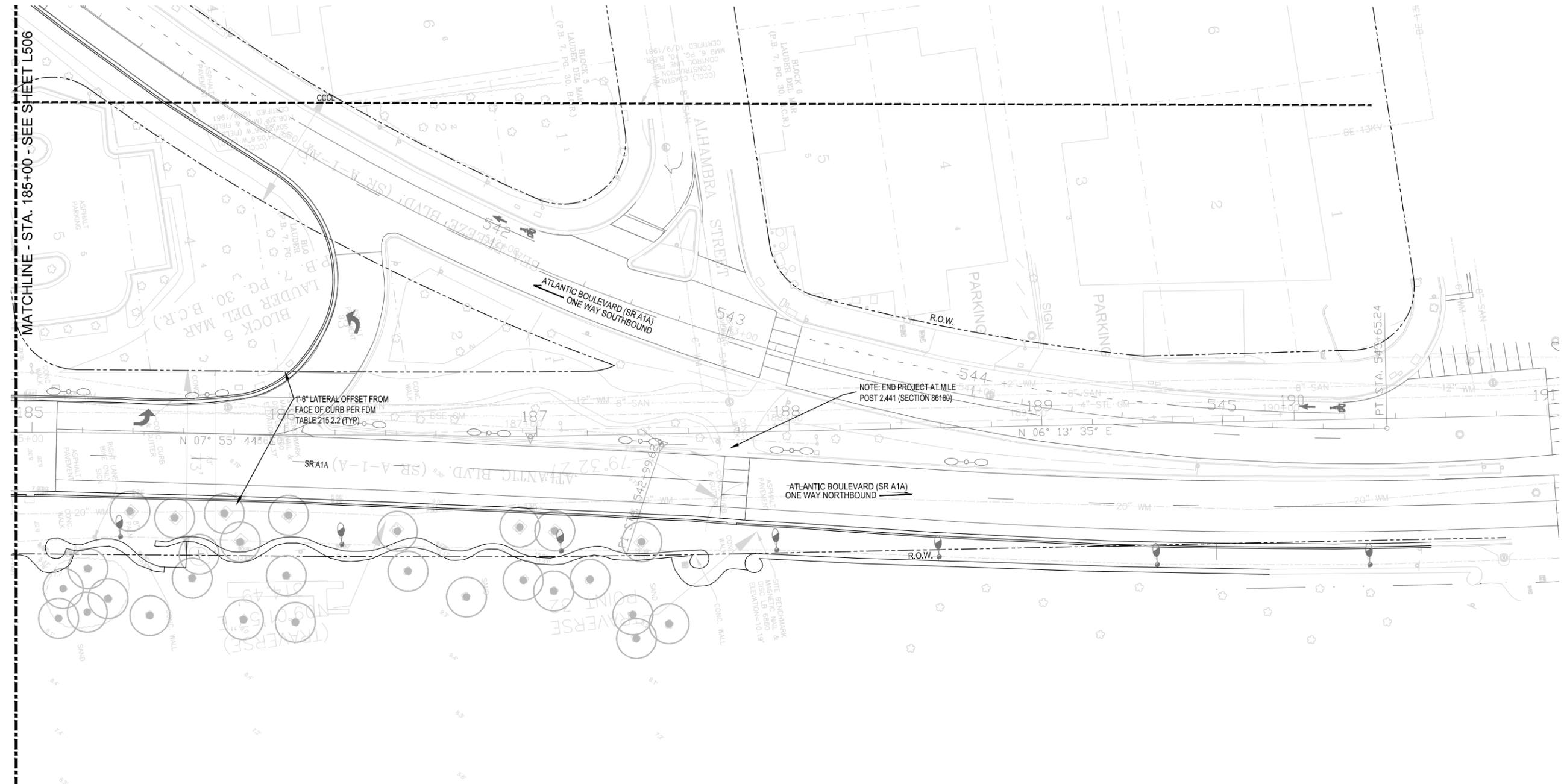
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L505
1 OF 00



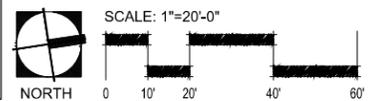
TREE SCHEDULE							
PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	REMARKS
	COC MAY	See Plan	Cocos nucifera 'Maypan'	Mypan Coconut Palm	FG	16'-18' C.T.	Straight, Heavy. Contractor to ensure selected palms fit within precast tree grate. Green Malayan to be alternate.
	PHX	See Plan	Phoenix dactylifera 'Medjool'	Date Palm	FG	16' C.T.	Diamond Cut



FDOT PERMIT NUMBER: 2019-L-491-00006



TREE SCHEDULE							
PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	REMARKS
	COC MAY	See Plan	Cocos nucifera 'Maypan'	Mypan Coconut Palm	FG	16'-18' C.T.	Straight, Heavy. Contractor to ensure selected palms fit within precast tree grate. Green Malayan to be alternate.
	PHX	See Plan	Phoenix dactylifera 'Medjool'	Date Palm	FG	16' C.T.	Diamond Cut



DATE:	08/27/2019
SCALE:	AS SHOWN
DESIGNED BY:	EDSA
CHECKED BY:	EDSA
FIELD BOOK:	

CITY OF FORT LAUDERDALE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING & ARCHITECTURE
 100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS	
NO.	DESCRIPTION

100% CONSTRUCTION DRAWINGS

PROJECT # 11681
 A1A STREETSCAPE IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019-491-00003
 LANDSCAPE PLAN

SHEET NO. **L506** 1 OF 00

PLANTING NOTES:

- 1. LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH RELATED CONTRACTORS AND WITH THE GENERAL CONSTRUCTION OF THE PROJECT IN ORDER NOT TO IMPEDE THE PROGRESS OF THE WORK OF OTHERS OR THE CONTRACTOR'S OWN WORK. LANDSCAPE CONTRACTOR SHALL PROVIDE SCHEDULE OF HIS/HER WORKS AT A MINIMUM OF TWO WEEKS IN ADVANCE, BEGINNING TWO WEEKS PRIOR TO COMMENCING LANDSCAPE TRADE CONSTRUCTION.
2. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE EXISTING GROUND COVER FOR ALL PLANTING BEDS AS SPECIFIED PRIOR TO PLANTING MATERIAL. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL PORTIONS OF EXISTING LANDSCAPE AND HARDSCAPE AREAS DAMAGED TO THE SATISFACTION OF THE OWNER, IT'S REPRESENTATIVE, OR LANDSCAPE ARCHITECT.
3. THE LOCATIONS OF PLANTS, AS SHOWN IN THESE PLANS, ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS TO COMPLY WITH SAFETY CRITERIA, TO AVOID CREATING UNSAFE SIGHT CONDITIONS, OR AS OTHERWISE DIRECTED BY OR APPROVED BY THE LANDSCAPE ARCHITECT.
4. CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF ALL PLANT MATERIALS, INCLUDING TEMPORARY IRRIGATION AND FERTILIZATION IF NECESSARY DURING CONSTRUCTION AND/OR WHILE BEING HELD IN LANDSCAPE HOLDING AREAS.
5. THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS. PRIOR TO COMMENCEMENT OF THE LANDSCAPE PLANTING WORK THE CONTRACTOR SHALL PROVIDE COMPLETE SOIL TESTS INCLUDING CONTENT ANALYSIS WITH RECOMMENDATIONS FOR THE INSTALLATION AREA.
6. ALL PLANT MATERIAL THAT MAY NEED TO BE REPLACED SHALL BE IN FULL AND STRICT ACCORDANCE TO FLORIDA NO. 1 GRADE, ACCORDING TO THE "GRADES AND STANDARDS FOR NURSERY PLANTS", PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL REPLACEMENT MATERIAL SHALL MATCH THE SIZE AND QUALITY OF THE MATERIAL BEING REPLACED.
7. LANDSCAPE CONTRACTOR SHALL FIELD STAKE THE LOCATION OF TREES AND ALL SHRUB BEDS PRIOR TO INITIATING INSTALLATION FOR THE REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT. LANDSCAPE CONTRACTOR TO NOTIFY THE LANDSCAPE ARCHITECT AT LEAST 5 DAYS PRIOR TO REQUESTED REVIEW OF STAKED MATERIALS. EXCAVATION SHALL NOT BEGIN UNTIL LOCATIONS OF INDIVIDUAL PLANT AND PLANT BEDS ARE ACCEPTABLE TO THE LANDSCAPE ARCHITECT.
8. LANDSCAPE CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY DUE TO EXISTING SITE CONDITIONS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT.
9. ANY SUBSTITUTIONS IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO MODIFICATION OF THE CONTRACT, PURCHASING AND DELIVERY OF PLANTS. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT BEFORE PLANTING CAN BEGIN. ALL PLANT MATERIALS WILL NOT INCLUDE ANY PLANTS CONSIDERED TO BE INVASIVE. CONTRACTOR PROVIDE SOURCE LIST OF PLANT MATERIAL.
10. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, GENERAL NOTES AND /OR SPECIFICATIONS FOR FURTHER AND COMPLETE LANDSCAPE PLANTING INSTRUCTIONS.
11. LANDSCAPE CONTRACTOR SHALL COORDINATE ALL PLANTING WORK WITH PERMANENT OR TEMPORARY IRRIGATION WORK. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HAND WATERING AS REQUIRED TO SUPPLEMENT IRRIGATION WATERING AND RAINFALL. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR HAND WATERING IN ALL PLANTING AREAS, REGARDLESS OF THE STATUS OF EXISTING OR PROPOSED IRRIGATION UNTIL FINAL ACCEPTANCE OF THE PROJECT.
12. LANDSCAPE CONTRACTOR SHALL CLEAN THE WORK AREAS AT THE END OF EACH WORKING DAY. RUBBISH AND DEBRIS SHALL BE COLLECTED AND DEPOSITED OFF-SITE DAILY. ALL MATERIALS, PRODUCTS AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION AS DIRECTED BY THE OWNER, IT'S REPRESENTATIVE, OR LANDSCAPE ARCHITECT.
13. GUYING / STAKING PRACTICES SHALL NOT PERMIT NAILS, SCREWS, WIRES ETC., TO PENETRATE OUTER SURFACE OF TREE OR PALM. TREES OR PALMS REJECTED DUE TO THIS PRACTICE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
14. BURLAP MATERIAL, WIRE CAGES, PLASTIC STRAPS, ETC., MUST BE CUT AND REMOVED FROM TOP ONE - THIRD (1/3) OF ROOT BALL.
15. TREES GROWN IN GROW BAGS OR GROW BAG TYPE MATERIAL ARE NOT ALLOWED.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GUARANTEE OF ALL PLANT MATERIAL FOR A PERIOD OF TWELVE (12) MONTHS FROM THE CONCLUSION OF THE 1 YEAR MAINTENANCE PERIOD. THE MAINTENANCE PERIOD STARTS AT SUBSTANTIAL COMPLETION OF THE ENTIRE JOB.
17. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED BY INSTALLING PROTECTIVE BARRIERS AROUND THE DRIP LINE OF TREES. THE PROTECTIVE BARRIERS SHALL BE SEEN EASILY BY OPERATORS OF TRUCKS AND OTHER EQUIPMENT. PROTECTIVE BARRIERS SHALL BE CONSTRUCTED AS DETAILED ON THE DRAWINGS AND SHALL BE INSTALLED PRIOR TO AND MAINTAINED THROUGHOUT CONSTRUCTION AND/OR LAND DEVELOPMENT:
a. DO NOT STORE OR USE MATERIALS OR EQUIPMENT WITHIN THE DRIP LINE OF ANY TREE TO BE RELOCATED ON SITE UNLESS THE ACTIVITY IS BEING DONE TO PROTECT TREES.
b. DO NOT DISCHARGE OR CONTAMINATE THE SOIL WITHIN THE DRIP LINE OF ANY TREE TO BE RELOCATED ON SITE WITH ANY CONSTRUCTION MATERIALS SUCH AS PAINT, OIL, SOLVENTS, PETROLEUM PRODUCTS, ASPHALT, CONCRETE, MORTAR, OR OTHER MATERIALS THAT MAY CAUSE ADVERSE IMPACTS.
c. CLEARING OF VEGETATION WITHIN THE DRIP LINE OF TREES DESIGNATED FOR PRESERVATION SHALL ONLY BE BY HAND OR LIGHT RUBBER WHEELED EQUIPMENT THAT WILL NOT DAMAGE TREE ROOTS.
d. MAKE NO ATTACHMENTS, OTHER THAN THOSE OF A PROTECTIVE AND NON-DAMAGING NATURE, TO ANY TREE TO BE RETAINED ON THE SITE. DO NOT CHANGE THE NATURAL GRADE ABOVE THE ROOT SYSTEM WITHIN THE DRIP LINE OF ANY TREE TO BE RETAINED ON SITE UNLESS IT CAN BE DEMONSTRATED TO THE CITY THAT IT WILL NOT DAMAGE THE TREE.
e. AVOID ANY ENCROACHMENTS, EXCAVATIONS OR SEVERE GRADE CHANGES WITHIN THE DRIP LINE OF PRESERVED TREES THAT WILL IMPACT ANY TREE SCHEDULE TO REMAIN.
18. PLANT SIZE SPECIFICATIONS TAKE PRECEDENCE OVER CONTAINER SIZE.
19. CONTRACTOR TO VERIFY QUANTITIES AND REPORT ANY DISCREPANCIES TO THE OWNER, IT'S REPRESENTATIVE, OR LANDSCAPE ARCHITECT.
20. ALL GROUND COVER SHALL HAVE A MINIMUM 50% COVERAGE AT INSTALLATION AND 100% COVERAGE IN 6 MONTHS.
21. EXCAVATE ALL PLANTING ISLANDS TO A MINIMUM OF 12" AND BACKFILL WITH SPECIFIED PLANTING MIX.
22. ALL ROOT BALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH IN "AMERICAN STANDARDS FOR NURSERY STOCK".
23. ALL PLANT MATERIAL SHALL BE PROTECTED DURING TRANSPORT AND DELIVERY TO FINAL LOCATION WITH SHADE CLOTH OR OTHER ACCEPTABLE MEANS OF WINDBURN PREVENTION. ALL PLANT MATERIAL TO BE PLANTED ON THE SAME DAY IT ARRIVES ON SITE.
24. ALL PLANT MATERIAL SHALL BE INSTALLED IN A SOUND, WORKMAN-LIKE MANNER AND ACCORDING TO ACCEPTED GOOD PLANTING AND TREE RELOCATION PROCEDURES WITH THE QUALITY OF PLANT MATERIALS AS HEREINAFTER DESCRIBED. ALL ELEMENTS OF LANDSCAPING SHALL BE INSTALLED SO AS TO MEET ALL APPLICABLE ORDINANCES AND CODE REQUIREMENTS.
25. THERE SHALL BE NO CHAINS OR CABLES USED ON TREES OR PALMS. HANDLE WITH TWO INCH (2") MINIMUM WIDTH NYLON STRAPS OR EQUAL.
26. CONTRACTOR TO REPLACE REJECTED PLANT MATERIAL WITHIN TWO (2) WEEKS OF WRITTEN NOTICE AND GUARANTEE FOR TWELVE (12) MONTHS FROM DATE OF INSTALLATION.
27. CONTRACTOR SHALL MULCH ALL PLANT MATERIAL THROUGHOUT AND COMPLETELY TO A THREE INCH (3") DEPTH OF LOOSE, WEED FREE STERILIZED MELALEUCA MULCH.
28. CONTRACTOR TO REQUEST INSPECTION OF PROJECT IN WRITING. IF ALL WORK IS SATISFACTORY AND COMPLETE IN ACCORDANCE WITH CONDITIONS OF CONTRACT DOCUMENTS, THEN THE OWNER, ITS REPRESENTATIVE, AND LANDSCAPE ARCHITECT SHALL DECLARE THE PROJECT SUBSTANTIALLY COMPLETE.
29. ALL PLANT MATERIAL IS TO BE TAGGED AT THE NURSERY BY CONTRACTOR. THE LANDSCAPE ARCHITECT MAY BE PRESENT DURING SELECTION AND TAGGING ACTIVITIES WITH NOTIFICATION AT LEAST 2 WEEKS IN ADVANCE.
30. PROTECT PLANTS DURING DELIVERY TO PREVENT DAMAGE TO ROOT BALL OR DESICCATION OF LEAVES AND FRONDS.
31. NOTIFY THE LANDSCAPE ARCHITECT OF DELIVERY SCHEDULE IN ADVANCE SO PLANT MATERIAL MAY BE INSPECTED UPON ARRIVAL AT JOB SITE.
32. REMOVE UNACCEPTABLE PLANT MATERIAL IMMEDIATELY FROM JOB SITE.
33. DELIVER FERTILIZER TO SITE IN ORIGINAL UNOPENED CONTAINERS BEARING MANUFACTURER'S GUARANTEED CHEMICAL ANALYSIS, NAME, TRADE NAME, TRADEMARK, AND CONFORMANCE TO FLORIDA STATE LAW.
34. PROTECT ROOTS OF PLANT MATERIAL FROM DRYING OR OTHER POSSIBLE INJURY. KEEP PLANT BALL MOIST AT ALL TIMES.
35. REPAIR DAMAGE TO OTHER PLANTS OR CONSTRUCTION WORK DURING PLANT PLACEMENT AND/OR REPLACEMENT INCLUDING, BUT NOT LIMITED TO, DAMAGE TO EXISTING TREES, WALKS, STRUCTURES, SITE FURNISHINGS, ETC.
36. NURSERY GROWN STOCK SHALL BE GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT.
37. TEST FILL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE AND PERCOLATION IS AVAILABLE. PITS THAT ARE FOUND TO NOT BE ADEQUATELY DRAINING SHALL BE EXCAVATED TO A DEPTH SUFFICIENT FOR DRAINAGE AND BACKFILLING WITH COARSE SAND, AND 6 INCHES OF PLANTING SOIL ADDED BELOW THE ROOT BALL AND COMPACTED BY FLOODING PRIOR TO PLANTING. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. REPLACE WITH SAME SPECIES SIZE AND SPECIFICATION.
38. PLANTING
A. GENERAL
1. IRRIGATION SHALL BE 100% OPERATIONAL PRIOR TO PLANT MATERIAL INSTALLATION, IF APPLICABLE.
2. THE LANDSCAPE ARCHITECT SHALL RESERVE THE RIGHT TO REJECT ANY AND ALL PLANT MATERIAL NOT MEETING SPECIFICATIONS AT THE JOB SITE
3. REMOVE BURLAP FROM TOP 1/2 OF ROOT BALL.
4. CENTER PLANT IN PIT OR TRENCH.
5. FACE FOR BEST EFFECT, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.
6. SET PLANT PLUMB AND HOLD RIGIDLY IN POSITION UNTIL SOIL HAS BEEN TAMPED FIRMLY AROUND PLANTING BALL.
7. USE ONLY PLANTING SOIL BACKFILL AS SPECIFIED ON THIS SHEET
- SOIL PREPARATION AND MIXES.
8. PLACE SUFFICIENT PLANTING SOIL UNDER PLANT TO BRING TOP OF PLANTING BALL TO FINISH GRADE.
9. BACKFILL PIT OR TRENCH WITH PLANTING SOIL IN 9-INCH LAYERS AND WATER EACH LAYER THOROUGHLY TO SETTLE SOIL AND WORK SOIL COMPLETELY AROUND ROOTS AND PLANTING BALL.
10. AFTER SOIL SETTLES FILL PIT WITH PLANTING SOIL, WATER, AND LEAVE PIT SURFACE EVEN WITH FINISH GRADE.
11. TOPSOIL BERM:
a. CONSTRUCT A TOPSOIL BERM 6-INCHES ABOVE FINISH GRADE FORMING A WATERING BASIN WITH A LEVEL BOTTOM AROUND EACH PALM OR TREE.
b. THE TOPSOIL BERM SHALL FORM A WATERING BASIN 1 FOOT GREATER THAN DIAMETER OF PLANTING BALL.
c. COMPLETELY MULCH WATERING BASIN AND BERM TO AVOID ANY EXPOSED DIRT.
12. BRACES SHALL BE INSTALLED, AS SPECIFIED HEREIN, WHILE THE TREE IS SUPPORTED BY MACHINERY.
B. BALLED AND BURLAPPED PLANTS (B & B):
1. PLACE IN PIT ON PLANTING SOIL BACKFILL MATERIAL THAT HAS BEEN HAND-TAMPED PRIOR TO PLACING PLANT.
2. PLACE WITH BURLAP INTACT SO LOCATION OF GROUND LINE AT TOP OF BALL IS SAME AS AT NURSERY WHERE GROWN.
3. REMOVE BINDING AT TOP HALF OF THE PLANTING BALL AND CUT OFF EXPOSED BURLAP.
4. DO NOT PULL WRAPPING FROM UNDER PLANTING BALL.
5. DO NOT PLANT IF PLANTING BALL IS CRACKED, BROKEN, OR SHOWING EVIDENCE OF VOIDS BEFORE OR DURING PLANTING PROCESS. REPLACE WITH PLANT OF SAME SPECIES, SIZE, AND SPECIFICATION.

SOIL PREPARATION AND SOIL MIX

- 1. ALL PLANTS NOTED FOR REMOVAL SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE AT CONTRACTOR'S EXPENSE UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO SUBMIT WEED CONTROL PRODUCTS THAT DO NOT INCLUDE GLYPHOSATE. PROTECT EXISTING PLANTS TO REMAIN FROM OVER SPRAY OR SPRAY WITHIN ROOT ZONE. CONTRACTOR TO ENSURE TOTAL WEED ERADICATION. CONTRACTOR TO PROVIDE MANUFACTURER'S SPECIFICATIONS FOR APPROVAL.
3. BEFORE REPLACING TOPSOIL, RAKE SUBSOIL SURFACE CLEAR OF STONES (1" DIAMETER AND LARGER), DEBRIS, RUBBISH, AND REMAINING ROOTS FROM REMOVED PLANT MATERIAL.
4. SCARIFY SUBSOIL TO A DEPTH OF THREE INCHES (3").
5. CONTRACTOR TO APPLY "SURFLAN" OR APPROVED PRE-EMERGENT HERBICIDE IN ACCORDANCE WITH MANUFACTURER'S RATE AND SPECIFICATIONS. CONTRACTOR TO PROVIDE MANUFACTURER'S SPECIFICATIONS FOR APPROVAL.
6. PLANTING SOIL MIX FOR TREES, PALMS, SHRUBS, AND GROUND COVER SHALL CONSIST OF A THOROUGHLY BLENDED MIXTURE OF:
SOIL-TYPE 1
90% CLEAN SAND, 10% APPROVED TOPSOIL AND FLORIDA PEAT MIXTURE
7. FLORIDA PEAT SHALL BE FREE OF DELETERIOUS MATERIALS THAT WOULD BE HARMFUL TO PLANT GROWTH, SHALL BE FREE OF NEMATODES, SHALL BE OF UNIFORM QUALITY, AND SHALL BE STERILIZED TO MAKE FREE OF ALL VIABLE NUT GRASS AND OTHER UNDESIRABLE WEEDS. FLORIDA PEAT SHALL HAVE A PH VALUE BETWEEN 6.5 AND 7.5 (AS DETERMINED IN ACCORDANCE WITH ASTM E70). 6.5. IF NECESSARY, THE CONTRACTOR SHALL APPLY THE APPROPRIATE SOIL AMENDMENTS ADJUSTING SOIL PH TO ASSURE A PH RANGE OF 5.5 TO 6.5.
8. TOPSOIL SHALL BE NATURAL, FERTILE, AGRICULTURAL SOIL CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT SHALL BE OF UNIFORM COMPOSITION THROUGHOUT, WITH ADMIXTURE OF SUBSOIL. IT SHALL BE FREE OF STONES, LUMPS, LIVE PLANTS AND THEIR ROOTS, STICKS, AND OTHER EXTRANEOUS MATTER. SPREAD TOPSOIL MIXTURE TO MINIMUM DEPTH OF 12" IN ALL LANDSCAPE AREAS AND 4" THROUGH-OUT ALL LAWN AREAS. REMOVE ALL ROCKS AND OTHER OBJECTS OVER 1" IN DIAMETER.
9. SMOOTH ALL SOIL MIXTURE TO FIVE INCHES (5") BELOW TOP OF SURROUNDING PAVEMENT EDGES.
10. CONTRACTOR TO PROVIDE MINIMUM DRESSING OF THREE INCHES (3") OF MULCH TO ALL LANDSCAPE AREAS, TYP.
11. FINISH GRADE ALL TOPSOIL AREAS TO A SMOOTH, EVEN SURFACE, ASSURING POSITIVE DRAINAGE AWAY FROM THE STRUCTURES AND ELIMINATE ANY LOW AREAS WHICH MAY COLLECT WATER.
12. CONTRACTOR TO REMOVE DEBRIS AND EXCESS MATERIAL IMMEDIATELY FROM JOB SITE.
13. TEST FILL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE AND PERCOLATION IS AVAILABLE. THE RELATIVE PERMEABILITY OF THE SOIL SHALL BE 20IN./HR. MIN. PITS THAT ARE FOUND TO NOT BE ADEQUATELY DRAINING SHALL BE EXCAVATED TO A DEPTH SUFFICIENT FOR DRAINAGE AND BACKFILLING WITH COARSE SAND, AND 6 INCHES OF PLANTING SOIL ADDED BELOW THE ROOT BALL AND COMPACTED BY FLOODING PRIOR TO PLANTING. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. REPLACE WITH SAME SPECIES SIZE AND SPECIFICATION.
14. SUBMITTALS:
A. TEST REPORTS
1. RESULTS OF TOPSOIL ANALYSIS
2. RESULTS OF WATER ANALYSIS
3. RESULTS OF PLANTING SOIL MIX ANALYSIS, INCLUDING CONTENT ANALYSIS
B. CERTIFICATES
1. MANUFACTURERS CERTIFICATION AND/OR TESTING LABORATORY

- CERTIFICATION THAT CONTENT OF SOIL CONDITIONERS MEET SPECIFIED REQUIREMENTS
2. LITERATURE AND PROPOSED APPLICATION RATES OF SOIL AMENDMENTS
3. LITERATURE AND PROPOSED APPLICATION RATES FOR ALL HERBICIDES AND STERILIZERS

Table with 2 columns: SIEVE SIZE, PERCENTAGE PASSING BY DRY WEIGHT. Rows include 1/4 IN., NO. 10, NO. 40, NO. 100, NO. 200.

- 15. MECHANICAL ANALYSIS FOR WELL-GRADED TOPSOIL SHALL BE AS FOLLOWS:
16. CONTRACTOR SHALL REMOVE ALL STAKING OF PALMS AFTER TWELVE (12) MONTHS OF SUBSTANTIAL COMPLETION.
17. SOIL AMENDMENTS:
A. FERTILIZER
1. ALL FERTILIZERS SHALL BE MANUFACTURED FROM QUALITY MATERIALS, BE FREE FROM IMPURITIES, UNIFORM IN COMPOSITION, MEET RECOGNIZED STANDARDS FOR EFFECTIVENESS, AND BE FREE FLOWING AND SUITABLE FOR APPLICATION WITH APPROVED EQUIPMENT.
2. ALL FERTILIZER SHALL BE DELIVERED TO THE SITE IN BAGS OR OTHER CONVENIENT CONTAINERS, EACH FULLY LABELED, CONFORMING TO THE APPLICABLE STATE FERTILIZER LAWS, AND BEARING THE GRADE AND THE TRADE NAME OF THE PRODUCER.
3. DIE HARD ROOT REVIVER - ENDO AND ECTOMYCORRIZAL INOCULANT, AS MANUFACTURED BY DIE HARD, 1-(800)628.6373 OR APPROVED EQUAL.
4. DIE HARD TRANSPLANT - ONE STEP - ENDO AND ECTOMYCORRIZAL INOCULANT, AS MANUFACTURED BY DIE HARD, 1-(800)628.6373 OR APPROVED EQUAL.
5. DIE HARD PALM TRANSPLANT - ENDOMYCORRIZAL INOCULANT, AS MANUFACTURED BY DIE HARD, 1-(800)628.6373 OR APPROVED EQUAL.
6. TIME RELEASE, PALM MIX FERTILIZER WITH MINOR ELEMENTS OR APPROVED EQUAL.
7. TIME RELEASE, TREE AND SHRUB MIX FERTILIZER, 6-6-6, WITH MINOR ELEMENTS OR APPROVED EQUAL.
8. AGRIFORM PLANTING TABLETS, 8-8-8 PLUS MINORS, AS MANUFACTURED BY GRACE SIERRA, 1-(408) 263.8080 OR APPROVED EQUAL.
9. WETTING AGENT TO BE TERRA SORB OR APPROVED EQUAL.
10. SOIL CONDITIONER TO BE "SUPER LESCO WET", AS MANUFACTURED BY LESCO, INC. OR APPROVED EQUAL.
B. WATER: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE NECESSARY CLEAN AND POTABLE WATER TO THE SITE FOR USE IN WATERING.
C. SAND: E.R. JAHNA SAND OR EQUAL BEACH COMPATIBLE SAND, FREE DRAINING AND FREE OF SUBSTANCES HARMFUL TO GROWTH OF PLANTS.
D. PEAT: FLORIDA PEAT FROM APPROVED SOURCE.
E. COMPOST: FROM APPROVED SOURCE.

GENERAL NOTES:

- 1. CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE SITE CONDITIONS PRIOR TO INITIATING CONSTRUCTION. ALL EXISTING STRUCTURES, PAVING, LANDSCAPE AND OTHER ELEMENTS TO REMAIN SHALL BE PROTECTED FROM ANY DAMAGE UNLESS OTHERWISE NOTED.
2. DEMOLITION AND CONSTRUCTION ACTIVITIES, INCLUDING THE STAGING AND STORAGE OF EQUIPMENT, LANDSCAPE AND CONSTRUCTION MATERIALS, ARE TO BE CONFINED TO THE WORK AREA IDENTIFIED BY THE LIMITS OF CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE TO OBTAIN ANY AND ALL NECESSARY PERMITS REQUIRED FOR DEMOLITION PRIOR TO THE BEGINNING OF WORK.
4. CONTRACTOR IS RESPONSIBLE TO CONTACT THE OWNER AND/OR THE LANDSCAPE ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND INFORMATION PROVIDED IN THESE DRAWINGS.
5. CONTRACTOR SHALL ENSURE APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES.
6. CONTRACTOR TO PROVIDE LANDSCAPE, IRRIGATION, AND HARDSCAPE MAINTENANCE OF THE ENTIRE PROJECT THROUGH THE WARRANTY PERIOD OF THE FINAL PHASE.

GENERAL FDOT NOTES:

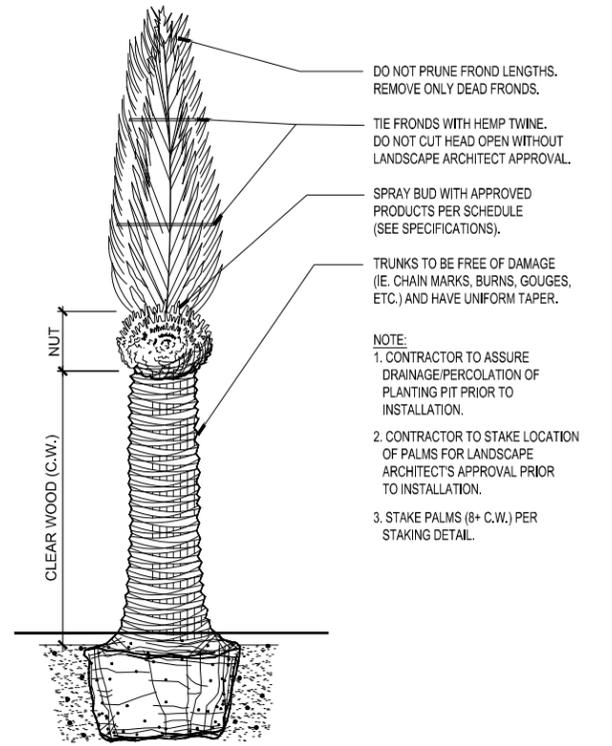
- 1. FOR THE PORTION OF LANDSCAPE PLANT MATERIAL THAT WILL BE INSTALLED WITHIN THE FDOT RIGHT OF WAY LANDSCAPE INSTALLATION SHALL COMPLY WITH CURRENT APPLICABLE FDOT MAINTENANCE SPECIFICATION 580.
2. FOR THE PORTION OF LANDSCAPE PLANT MATERIAL THAT WILL BE INSTALLED WITHIN THE FDOT RIGHT OF WAY REFER TO THE FDOT STANDARD PLANS INDEX 580-001 LANDSCAPE INSTALLATION.
3. CYPRESS MULCH IS NOT PERMITTED ON THE FDOT RIGHT OF WAY. MULCH PERMITTED TO BE USED ARE HARDWOOD MULCH (CONTAINING NO CYPRESS PRODUCTS), RECYCLED MULCH OR APPROVED EQUAL, CERTIFIED BY THE MULCH AND SOIL COUNCIL (MSC). SUBMIT PROOF OF CERTIFICATION TO THE FDOT DISTRICT OPERATIONS PERMIT LANDSCAPE INSPECTOR UPON INSPECTION.
4. ANY PLANT MATERIAL SUBSTITUTION WITHIN OR IMPACTING THE FDOT RIGHT OF WAY WEATHER REQUESTED BY THE CONTRACTOR, OWNERS, LANDSCAPE ARCHITECT OR OTHER WILL NEED TO GET APPROVAL FROM THE FDOT DISTRICT OPERATIONS MANAGER.

Project information including Bid 12662-223, Kimley-Horn logo, EDSA, Inc. contact info, and City of Fort Lauderdale Public Works Department Engineering & Architecture logo.

Table with 2 columns: REVISIONS, DESCRIPTION. Includes columns for NO., DATE, BY, CHK'D.

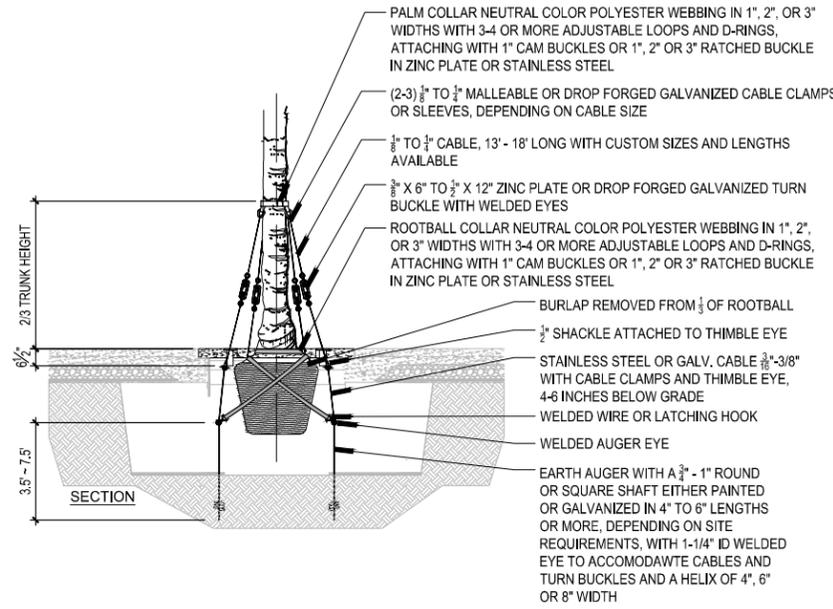
Project # 11681, A1A STREETSCAPE IMPROVEMENTS, FORT LAUDERDALE, FL, FDOT LANDSCAPE PERMIT # 2019.L-491-00003, LANDSCAPE NOTES.

SHEET NO. L507, 1 OF 00, CAM DRAWING FILE.

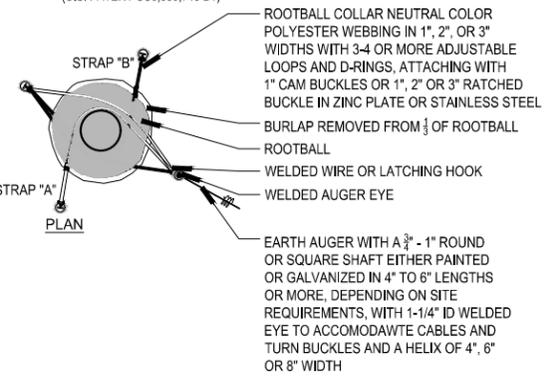


NOTE:
1. CONTRACTOR TO ASSURE DRAINAGE/PERCOLATION OF PLANTING PIT PRIOR TO INSTALLATION.
2. CONTRACTOR TO STAKE LOCATION OF PALMS FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION.
3. STAKE PALMS (8+ C.W.) PER STAKING DETAIL.

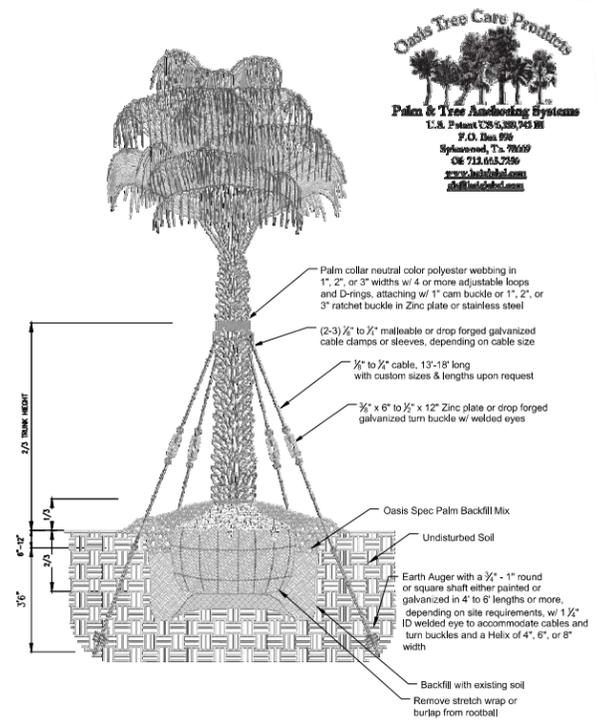
1 DATE PALM IN LANDSCAPE
SECTION
SCALE: 1/2"=1'-0"
d-date.dwg



NOTE:
1. ALL QUALITY TREE CARE PRODUCTS ARE SUPERIOR QUALITY MULTIPART SYSTEMS WHICH INCLUDE EVERYTHING FOR THE SECURE ANCHORING OF PALMS AND OTHER TREES. THE SYSTEMS CONSISTS OF NEUTRAL COLOR HIGH STRENGTH POLYESTER WEBBING IN 1", 2", AND 3" WIDTHS. ATTACHED ARE 3-4 OR MORE ADJUSTABLE LOOPS AND D-RINGS IN COMPATIBLE SIZES TO THE WEBBING WITH A 1" CAM BUCKLE OR A 1", 2", OR 3" RATCHET BUCKLE. CABLING IS 7 X 19 GALVANIZED AIRCRAFT CABLE FROM 1/2" TO 3/4" OR LARGER, IF NEEDED, INCLUDING A 3/8" X 6" TO 1/2" X 12" TURNBUCKLES. COMPLETING THE SYSTEMS ARE 1/2" TO 3/4" CABLE CLAMPS.
2. ALL HARDWARE SIZES ON DETAILS CAN BE SPECIFIED BASED ON THE TREE SIZE AND SP4CIFIC LOAD REQUIREMENTS.
3. ALL STEEL COMPONENTS ARE EITHER ZINC PLATE, MALLEABLE DROP FORGED GALVANIZED OR MAY BE SPECIFIED IN TAINLESS STEEL IF DESIRED.
4. CONTACT:
OASIS TREE CARE PRODUCTS- PALM AND TREE ANCHORING SYSTEMS
P.O. BOX 596, SPICEWOOD, TX 78669
PH: 713.665.7256
WWW.hciglobal.com / gis@hciglobal.com
(U.S. PATENT US6,389,743 B1)



2 TREE AND PALM GRATE BRACE
PLAN / SECTION
SCALE: 3/8"=1'-0"
D_TREE BRACING GRATE



3 PALM BRACING
SECTION
SCALE: NTS
d-palm stake.dwg

DATE: 08/27/2019
SCALE: AS SHOWN

DESIGNED BY: EDSA	CHECKED BY: EDSA
DRAWN BY: EDSA	FILED BOOK:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS	
NO.	DESCRIPTION

100% CONSTRUCTION DRAWINGS

PROJECT # 11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL
FDOT LANDSCAPE PERMIT # 2019.L-491-00003
LANDSCAPE DETAILS

SHEET NO.	1 OF 00
L508	

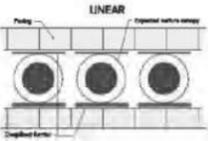
UB 18-2 TECH SHEET

This 18" high by 24" wide barrier is for linear, surround, and root pruning applications. It is suitable for use on sidewalks, paths, and patios, as well as other tree planting situations.

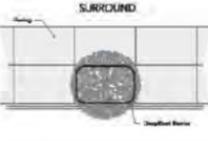
UB 18-2	SPECIFICATIONS + FEATURES	
	USES	FEATURES
	MATERIALS	
	SIZES & PACKAGING	

APPLICATIONS

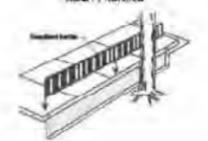
LINEAR



SURROUND



ROOT PRUNING



LINEAR

SURROUND

ROOT PRUNING

DeepRoot Green Infrastructure, LLC
 Corporate Office: 550 Washington Street, San Francisco, CA 94111
 415.435.4545 FAX: 415.435.4546 www.deeproot.com
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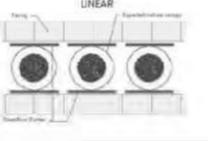
UB 24-2 TECH SHEET

This 24" high by 24" wide barrier is for linear, surround, and root pruning applications. It is ideal for protection from aggressive, invasive roots in sidewalks, curbs and gutters, driveways, and patios, as well as many other planting situations.

UB 24-2	SPECIFICATIONS + FEATURES	
	USES	FEATURES
	MATERIALS	
	SIZES & PACKAGING	

APPLICATIONS

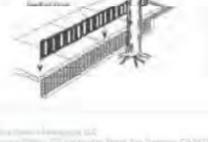
LINEAR



SURROUND



ROOT PRUNING



LINEAR

SURROUND

ROOT PRUNING

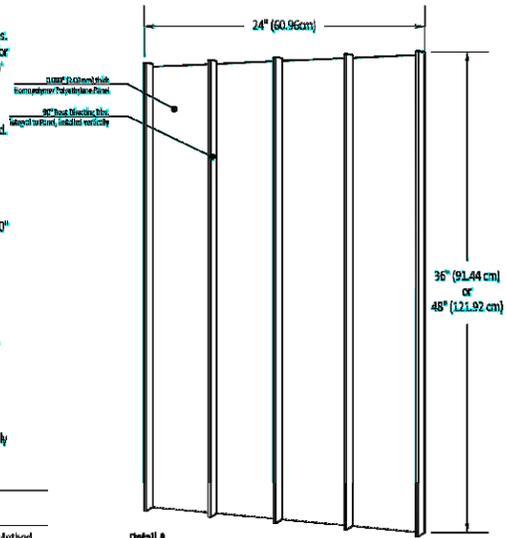
DeepRoot Green Infrastructure, LLC
 Corporate Office: 550 Washington Street, San Francisco, CA 94111
 415.435.4545 FAX: 415.435.4546 www.deeproot.com
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UB 36-2/UB 48-2 Specifications
 36" and 48" DeepRoot® Tree Root Barrier

Specified tree root barrier is a mechanical barrier and root deflector used to prevent tree roots from damaging hardscapes and landscapes. Assembled in 24" (609 mm) long modules to create varying lengths for linear applications, or perimeter surround applications at minimum 8" (203mm) diameter.

- A. Materials**
- The contractor shall furnish and install tree root barrier as specified. The root barrier shall be either product #UB 36-2 or UB 48-2 as manufactured by DeepRoot® Green Infrastructure, LLC, 530 Washington Street, San Francisco, CA, www.deeproot.com (800.458.7658).
 - Root barrier shall be recyclable, black, extruded panels with 0.80" (20.3 mm) wall thickness in modules 24" (609 mm) long and either 36" (914 mm) or 48" (1219 mm) deep.
 - Root barrier shall be manufactured with 100% reprocessed homopolymer polyethylene with added ultraviolet inhibitors.
 - Root barrier shall be comprised of 24" (609 mm) modules. Each panel shall have no less than four (4) molded integral vertical Root Directing Ribs of a minimum 0.080" (2.03 mm) thickness, protruding 1/2" (12.7 mm) at 90° from interior of the barrier panel, spaced 6" (152.4 mm) apart. (See Detail A)
 - Root barrier shall have an integrated Joining System for assembly by sliding one panel into another.

Material and Thickness	Homopolymer Polyethylene 0.080 Inch Extruded	
Properties	Typical Value	ASTM Test Method
Tensile stress @ yield	3800 PSI	D638
Elongation @ break %	10%	D638
Tensile Modulus	155,000 PSI	D638
Notched Izod Impact	0.4 - 4.0	D256A
Flexural Modulus 73 1/2 PSI	145,000	D790
Hardness Shore	P66	D2240

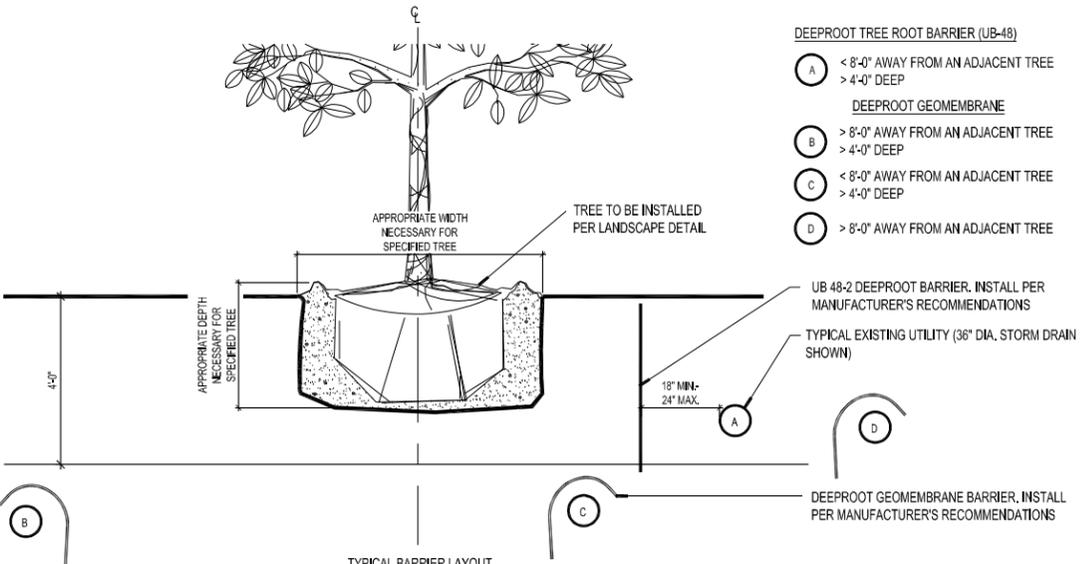


Detail A
TREE ROOT BARRIER PANEL

1 ROOT BARRIER_UB18
 PRODUCT SHEET
 dH-products_deeproot.dwg
 N.T.S.

2 ROOT BARRIER_UB24
 PRODUCT SHEET
 dH-products_deeproot.dwg
 N.T.S.

3 ROOT BARRIER_UB48
 PRODUCT SHEET
 dH-products_deeproot.dwg
 N.T.S.



- DEEPROOT TREE ROOT BARRIER (UB-48)**
- A < 8'-0" AWAY FROM AN ADJACENT TREE
> 4'-0" DEEP
 - DEEPROOT GEOMEMBRANE**
 - B > 8'-0" AWAY FROM AN ADJACENT TREE
> 4'-0" DEEP
 - C < 8'-0" AWAY FROM AN ADJACENT TREE
> 4'-0" DEEP
 - D > 8'-0" AWAY FROM AN ADJACENT TREE

- NOTES:**
- CONTRACTOR SHALL SUBMIT ROOT BARRIER PRODUCT SHOP DRAWINGS FOR CITY AND ENGINEER/LANDSCAPE ARCHITECT REVIEW.
 - CONTRACTOR SHALL MAINTAIN EXTREME CAUTION WHEN WORKING IN THE VICINITY OF THE EXISTING UTILITIES.
 - CONTRACTOR IS RESPONSIBLE TO SOFT DIG UTILITIES TO LOCATE ACCURATE UTILITY DEPTH AND LIMIT RISK OF DAMAGE TO EXISTING UTILITY LINES.
 - FOR ANY UTILITY BARRIER METHOD, INSTALL BARRIER AS CLOSE TO UTILITY AS FEASIBLE
 - WHEN ADJACENT TO PAVEMENT, INSTALL ROOT BARRIER AS CLOSE TO PAVEMENT EDGE AS FEASIBLE

4 DEEPROOT OVER UTILITIES
 SECTION
 dP-rootbarrier_utilities.dwg
 SCALE: 1/2"=1'-0"

Bid 12662-23
Kimley-Horn
 CONSULTING ENGINEERS
 1515 N.W. 11th Street, Suite 100
 Fort Lauderdale, FL 33304
 (954) 524-3300

EDSA, Inc.
 1512 E. Broward Blvd, Suite 110
 Fort Lauderdale, FL 33301
 (954) 524-3300

DATE: 08.27.2019
 DRAWN BY: EDSA
 CHECKED BY: EDSA
 SCALE: AS SHOWN
 FIELD BOOK:

CITY OF FORT LAUDERDALE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING & ARCHITECTURE
 100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 11681
 A1A STREETSCAPE IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019-L-491-00003
 LANDSCAPE DETAILS

SHEET NO. 1 OF 00
L509

GENERAL FDOT NOTES

1. CONTRACTOR SHALL ENSURE COMPLIANCE WITH THE CURRENT VERSION OF FDOT STANDARD SPECIFICATIONS AND STANDARD PLANS, GOVERNING STANDARDS AND SPECIFICATIONS: 2019-20 FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND 2019 FDOT DESIGN MANUAL.
2. CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE DONE TO FDOT PROPERTY DURING DEMOLITION, RELOCATION AND/OR INSTALLATION ACTIVITIES AT THEIR SOLE EXPENSE.
3. PATTERNED PAVEMENT INSTALLATION SHALL COMPLY WITH CURRENT FDOT STANDARD SPECIFICATION 523.
4. OWNERSHIP OF ALL SUITABLE EXCAVATED MATERIALS, AS DETERMINED BY THE DEPARTMENT, SHALL REMAIN IN THE DEPARTMENT UNTIL A FINAL ACCEPTANCE OF THE PERMITTED PROJECT IS FULFILLED. EXCAVATED MATERIALS SHALL BE HAULED BY THE PERMITTEE, AT THEIR COST & EXPENSE FROM THE SITE TO THE BROWARD OPERATIONS CENTER OR STOCKPILED IN THOSE AREAS AS DIRECTED BY THE DEPARTMENT, INCLUDING ASPHALT MILLINGS.
5. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE BROWARD OPERATIONS PERMITS DEPARTMENT. COORDINATION WILL INCLUDE A PRE-CONSTRUCTION MEETING.
6. ALL MAINTENANCE OF TRAFFIC M.O.T. FOR THIS PROJECT WILL BE IN COMPLIANCE WITH THE DEPARTMENT'S CURRENT EDITION OF THE STANDARD PLANS, (102 SERIES) AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE OPERATIONS ENGINEER OR THEIR DESIGN EE RESERVES THE RIGHT TO DIRECT THE REMOVAL/RELOCATION/MODIFICATION OF ANY TRAFFIC DEVICES AT THE PERMITTEE'S SOLE EXPENSE.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN FINAL ACCEPTANCE OF PERMITTED WORK (COMPLETED) AND THE RESTORATION OF THE RIGHT-OF-WAY FROM THE FDOT PRIOR TO USAGE.
8. CONTRACTOR SHALL RESTORE THE RIGHT OF WAY AS A MINIMUM, TO ITS ORIGINAL CONDITION OR BETTER IN ACCORDANCE WITH FDOT'S LATEST STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION OR AS DIRECTED BY THE RESIDENT OPERATIONS ENGINEER. (THIS SET OF NOTES ONLY APPLIES TO THOSE PLANTS, PAVERS, AND IRRIGATION INSTALLED WITHIN THE FDOT RW)
9. REMOVAL/INSTALLATION OF SIDEWALK WILL BE IN ACCORDANCE WITH FDOT STANDARD PLAN 522.
10. RESTRICTED HOURS OF OPERATION FOR LANE CLOSURES WILL BE FROM 9:00AM TO 3:30 PM, (MONDAY-FRIDAY), UNLESS OTHERWISE APPROVED BY THE OPERATIONS ENGINEER, OR DESIGNEE.
11. PERMIT IS VALID FOR ONE YEAR FROM DATE OF ISSUE
12. PERMITTEE WILL PROVIDE THE FDOT WITH CERTIFIED 'AS-BUILT' PLANS PRIOR TO FINAL ACCEPTANCE OF THE PERMITTED WORK.

TREE PROTECTION AND RELOCATION NOTES:

- 1.1 WORK TO BE PERFORMED AND WORK INCLUDED
 - A. PROVIDE THE FOLLOWING:

FOR ANY PLANT MATERIAL STORED ON SITE PRIOR TO RELOCATION, CONTRACTOR TO INCLUDE ALL ASPECTS OF PREPARATION, ACCLIMATIZATION, HOLDING, RELOCATION, PROTECTION, AND MAINTENANCE, PROTECTION AND CARE OF EXISTING TREES AND PALMS TO REMAIN WITHIN THE PROJECT BOUNDARIES.

 1. INSTALLATION AND OPERATION OF TEMPORARY IRRIGATION SYSTEM AND HAND WATERING AS REQUIRED BY THESE SPECIFICATIONS.
 2. ESTABLISHMENT OF HOLDING AREAS AS NECESSARY TO SUPPORT THE PHASING OF THE PROJECT.
 3. FOLLOW-UP MAINTENANCE AS REQUIRED BY THESE SPECIFICATIONS.
 4. LABOR, MATERIALS, EQUIPMENT AND SERVICES TO COMPLETE ALL PREPARATION, RELOCATIONS AND PROTECTION WORK AS INDICATED ON THE DRAWINGS, AS SPECIFIED HEREIN, OR BOTH.
 - 2.1 PREPARATION FOR RELOCATION OF TREES AND PALMS
 - A. CROWN PRUNING
 1. ALL PRUNING ON SITE SHALL CONFORM TO ANSI STANDARD A-300, 2001.
 - B. FERTILIZATION AND WATERING
 1. PREPARATION
 - A. ALL PALMS TO BE RELOCATED SHALL BE TREATED WITH WETTING AGENTS, FERTILIZERS, ROOT STIMULANTS, AND SOIL CONDITIONERS AT THE TIME OF RELOCATION. SEE SPECIFICATIONS.
 - B. FORM AND MAINTAIN AN EARTH BERM 6" HIGH OUTSIDE THE PROPOSED ROOT BALL PRIOR TO WATERING AND APPLY 3" APPROVED MULCH WITHIN SAUCER. WATER APPLICATION SHALL SATURATE THE ROOT BALL TO ITS ENTIRE DEPTH.
 2. BARRICADES

BARRICADE ALL EXISTING TREES AND PALMS WITH SIX FOOT (6') CHAIN LINK FENCE OR OTHER BARRICADE APPROVED BY OWNER.

ROOT PRUNING TECHNIQUE - ALL PALMS SHALL BE EXCAVATED BY DIGGING A TRENCH 36" DEEP, EITHER BY HAND OR WITH A TRENCHING MACHINE DESIGNED FOR THIS PURPOSE. HAND CUT BROADLEAF TREE ROOTS AFTER TRENCHING TO PRODUCE CLEAN CUTS WITH NO SPLITS OR TEARS. PALMS TO BE ROOT PRUNED SHALL HAVE A MINIMUM ROOT BALL SIZE OF 42" FOR COCONUT PALMS AND 42" FOR DATE PALMS. SABAL PALMS SHALL NOT REQUIRE ROOT PRUNING.

TIMING - ALL PALMS EXCEPT SABAL PALMS, SHALL BE MAINTAINED A MINIMUM OF FOUR (4) WEEKS PRIOR TO RELOCATION.
 - C. ROOT PRUNING
 1. WATERING

ALL PALMS TO BE RELOCATED ARE TO BE PROVIDED WITH AN AUTOMATIC IRRIGATION SYSTEM WHICH PROVIDES 2 BUBBLER HEADS TO EACH PALM, PRIOR TO ROOT PRUNING.

PROVIDE IRRIGATION TIMER, OR BATTERY POWERED VALVE TO WATER PALMS TO BE RELOCATED. HAND WATERING IN LIEU OF AUTOMATIC SYSTEM SHALL NOT BE ALLOWED, HOWEVER HAND WATERING SHALL BE PERFORMED TO AVOID LAPSES SHOULD THE AUTOMATIC SYSTEM BE INOPERABLE FOR MORE THAN 24 HOURS AND DURING THE INITIAL PLANTING PERIOD AS SPECIFIED.
 - 2.2 RELOCATION OF PALMS
 - A. PREPARATION - PALMS SHALL BE THOROUGHLY SOAKED TO THE FULL DEPTH OF THE ROOT BALL DAILY FOR SEVEN CONSECUTIVE DAYS PRIOR TO RELOCATION. ACCURATELY LOCATE POSITION AND ELEVATION WHERE ALL PALMS ARE INTENDED TO BE PLANTED, FOR VERIFICATION BY LANDSCAPE ARCHITECT. VERIFY THAT NO OVERHEAD OR UNDERGROUND UTILITIES, EXISTING OR PROPOSED, CONFLICT WITH PROPOSED LOCATIONS.
 - B. DIGGING AND HANDLING

DETERMINE LINE OF PREVIOUS ROOT PRUNING AND EXCAVATE AROUND ROOT MASS TO LEAVE AREA OUTSIDE LINE OF ROOT PRUNING UNDISTURBED. DIGGING SHALL BE ACCOMPLISHED SO AS TO PRODUCE CLEAN CUTS ON ALL ROOTS WITHOUT TEARING OR SPLITTING. TRENCHING SHALL BE A MINIMUM OF 48" DEEP.

PALMS SHALL BE HANDLED IN SUCH A WAY AS TO AVOID DAMAGE TO BARK AND LIMBS SUBJECT TO SUPPORT CABLES OR CHAINS. ATTACH PADDED SUPPORT CABLES OR CHAINS AT MULTIPLE POINTS WHERE POSSIBLE.

ROOT BALLS SHALL BE UNDERCUT PRIOR TO LIFTING. DO NOT FORCE PALM FROM GROUND PRIOR TO UNDERCUTTING. BALL DEPTH TO BE DETERMINED UPON ASSESSING CONDITIONS AT TIME OF TRENCHING, TO KEEP INTACT THE ENTIRE ROOT BALL.

PALMS SHALL BE PROPERLY WRAPPED DURING MOVING SO TRUNKS WILL NOT BE SCARRED AND DAMAGED. SCARRED TRUNKS SHALL CAUSE PALM TO BE UNACCEPTABLE AND REJECTED AT THE OWNER'S OPTION. ROOT BALLS AND FOLIAGE SHALL BE KEPT MOIST DURING ALL PHASES OF RELOCATION.

PARTIALLY BACKFILL TREE PITS WITH 12" OF APPROVED PLANTING SOIL PRIOR TO SETTING TREE. THIS LAYER OF SOIL TO BE THOROUGHLY DRENCHED PRIOR TO RELOCATION TO ACHIEVE A STABLE PLATFORM AT THE CORRECT ELEVATION SO THAT THE TOP OF ROOT BALL IS 1" ABOVE PROPOSED GRADE.

BACKFILLING - FLOOD BOTTOM FOIL LAYER TO SETTLE TREE INTO BEST POSITION AND TO REMOVE AIR POCKETS. CONTINUE TO FLOOD ROOT BALL AS PLANTING SOIL IS DEPOSITED TO INSURE REMOVAL OF ALL AIR POCKETS. PRODUCE SAUCER TO RETAIN WATER PER DRAWINGS.

BRACING - SUPPORT PALM WITH MACHINERY UNTIL BRACING IS COMPLETE. BUTTRESSES MAY SUPPORT SEPARATE TRUNKS ON MULTIPLE TRUNK TREES, MAINTAIN BRACES UNTIL COMPLETION OF PROJECT.

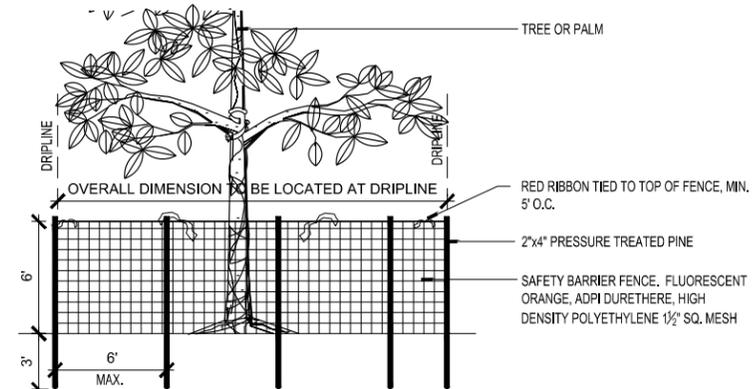
IRRIGATION - INSTALL BUBBLER HEADS ON ALL PALMS. CONNECT EACH PALM'S SYSTEM IMMEDIATELY TO WATER SOURCE. ADDITIONALLY, ALL TRANSPLANTED PALMS SHALL BE HAND WATERED DAILY FOR A PERIOD OF SIX (6) WEEKS AFTER TRANSPLANTING. THE IRRIGATION SYSTEM IS DESIGNED FOR MAINTAINING PLANT MATERIAL ONLY, AND DOES NOT PROVIDE THE VOLUME OF WATER REQUIRED IMMEDIATELY AFTER TRANSPLANTING. SET TIME TO RUN DAILY, TO PROVIDE AN EQUIVALENT OF 6" OF RAIN PER WEEK FOR 30 DAYS, THEN REDUCE TO EQUIVALENT OF 3" PER WEEK. CONTRACTOR TO COORDINATE LOCATIONS OF RELOCATED PLANT MATERIAL WITH THE CITY (PARKS & RECREATION AND CITY FORESTER.)
 - 2.3 PROTECTION AND CARE OF EXISTING PALMS TO REMAIN

WATERING - EXISTING IRRIGATION SHALL REMAIN OPERABLE TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. ALL ON SITE PALMS TO REMAIN SHALL BE SUPPLIED WITH TEMPORARY IRRIGATION TO REMAIN OPERABLE UNTIL PERMANENT IRRIGATION IS OPERABLE. EXISTING IRRIGATION SYSTEM TO BE DEMOLISHED MAY BE UTILIZED AS THE TEMPORARY IRRIGATION SYSTEM.

BARRICADE - BARRICADE ALL EXISTING PALMS WITH SIX FOOT (6') CHAIN LINK FENCE OR OTHER BARRICADE APPROVED BY OWNER. BARRICADES SHALL BE INSTALLED AT AN OFFSET DISTANCE TWO FEET (2') OUTSIDE THE TREE DRIP LINE/EDGE OF TREE CANOPY TO THE EXTENT PRACTICAL, PRIOR TO ANY CONSTRUCTION ACTIVITY.

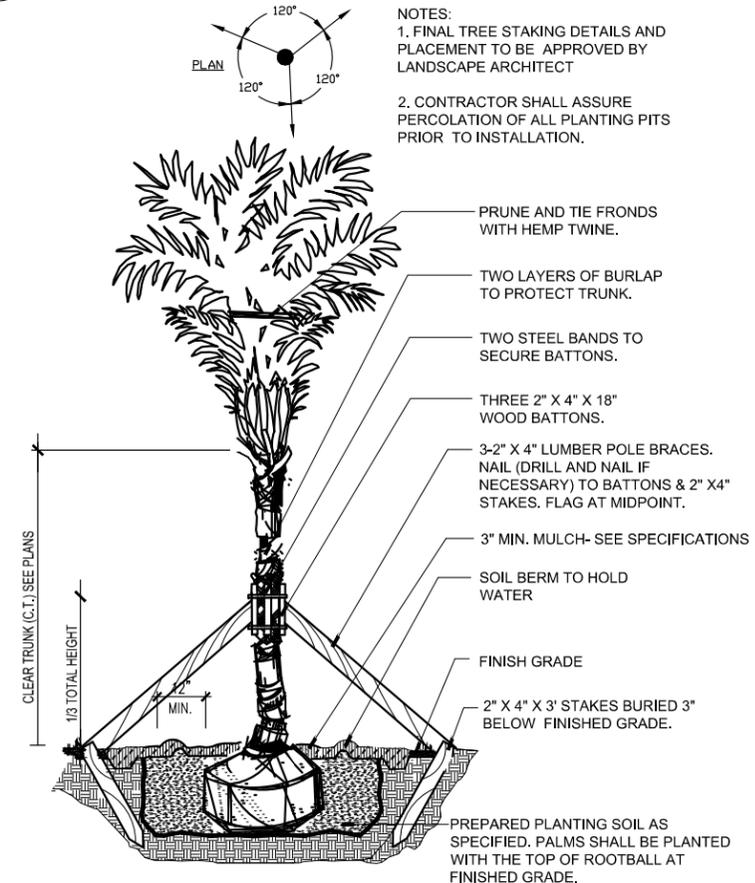
GENERAL NOTES:

1. ALL PALMS WILL BE EVALUATED FOR PROTECTION AND RELOCATION. RELOCATED TREES WILL BE HANDLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS. TREES TO BE REMOVED WILL BE MITIGATED AS REQUIRED BY THE CITY OF FORT LAUDERDALE.



- NOTE:
1. BARRIER TO BE CONTINUOUS AROUND THE TREE OR GROUP OF TREES. SEE LANDSCAPE PLAN FOR LOCATION OF TREES TO REMAIN.
 2. FOR THE TREE PROTECTION BARRICADE THAT WILL BE INSTALLED WITHIN FDOT RIGHT OF WAY REFER TO STANDARD PLANS INDEX 110-100 TREE PROTECTION AND PRESERVATION.

1 TREE / PALM PROTECTION DETAIL TYP.
ELEVATION SCALE: N.T.S.



2 PALM RELOCATED
SECTION SCALE: N.T.S.

Bid 12662-223
Kimley-Horn
1890 S CONGRESS AVE, SUITE 100,
DEALY BEACH, FL 33447
PHONE: 561-330-2345 FAX: 561-330-2245
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EDSA, Inc.
1512 E. Broward Blvd, Suite 110
Fort Lauderdale, FL 33301
954-524-3330

DATE:	08/27/2019
SCALE:	AS SHOWN
DESIGNED BY:	EDSA
CHECKED BY:	EDSA
FIELD BOOK:	

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

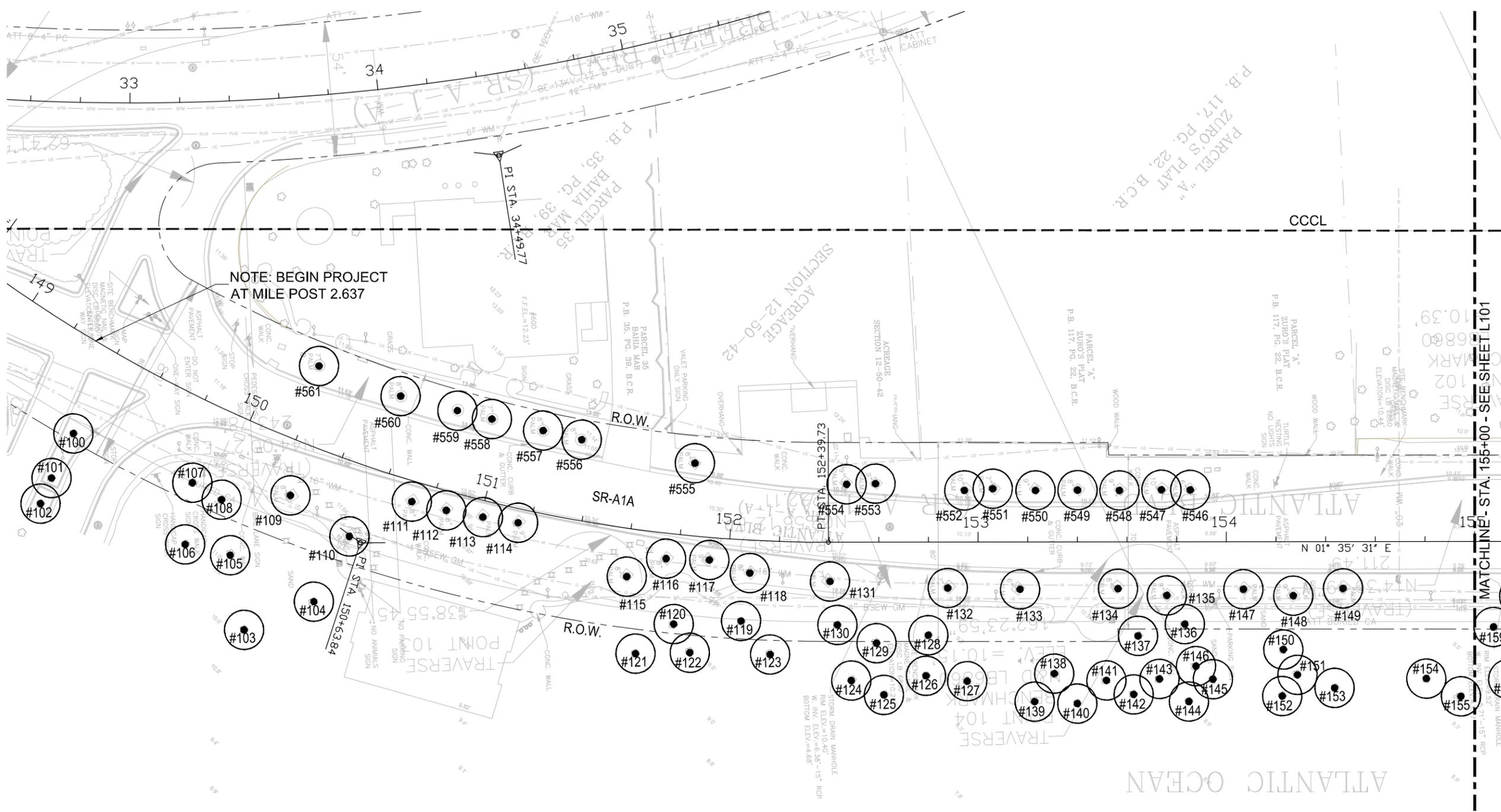
100% CONSTRUCTION DRAWINGS

PROJECT # 11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL

TREE DISPOSITION NOTES

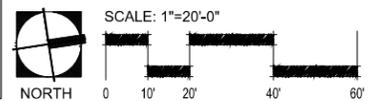
SHEET NO.	1
OF	00

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LEGEND

	FENCE: DETAIL 1 / L000 (DEDUCT ALTERNATE)						
	RELOCATE REMAIN REMOVE						
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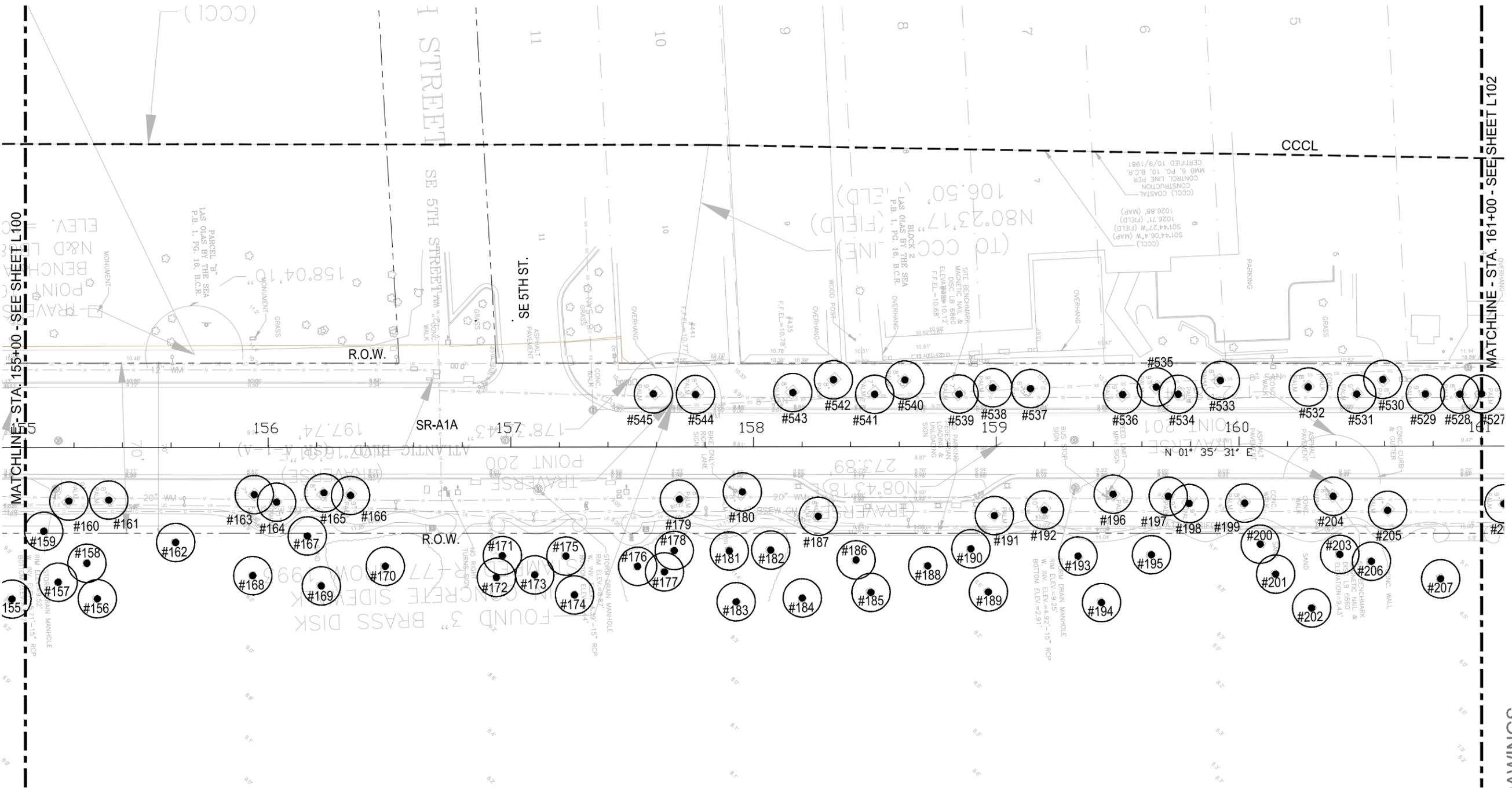
100% CONSTRUCTION DRAWINGS

PROJECT # 11681
 A1A STREETSCAPE IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019-L-491-00003
 TREE DISPOSITION PLAN

REVISIONS	
NO.	DESCRIPTION

CITY OF FORT LAUDERDALE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING & ARCHITECTURE
 100 North Andrews Avenue, Fort Lauderdale, Florida 33301

DATE:	08/27/2019
SCALE:	AS SHOWN
DESIGNED BY:	EDSA
CHECKED BY:	EDSA
FIELD BOOK:	

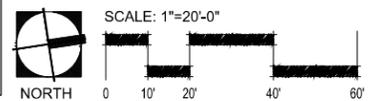


MATCHLINE - STA. 155+00 - SEE SHEET L100

MATCHLINE - STA. 161+00 - SEE SHEET L102

LEGEND

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PALMS	#111	#111	#111

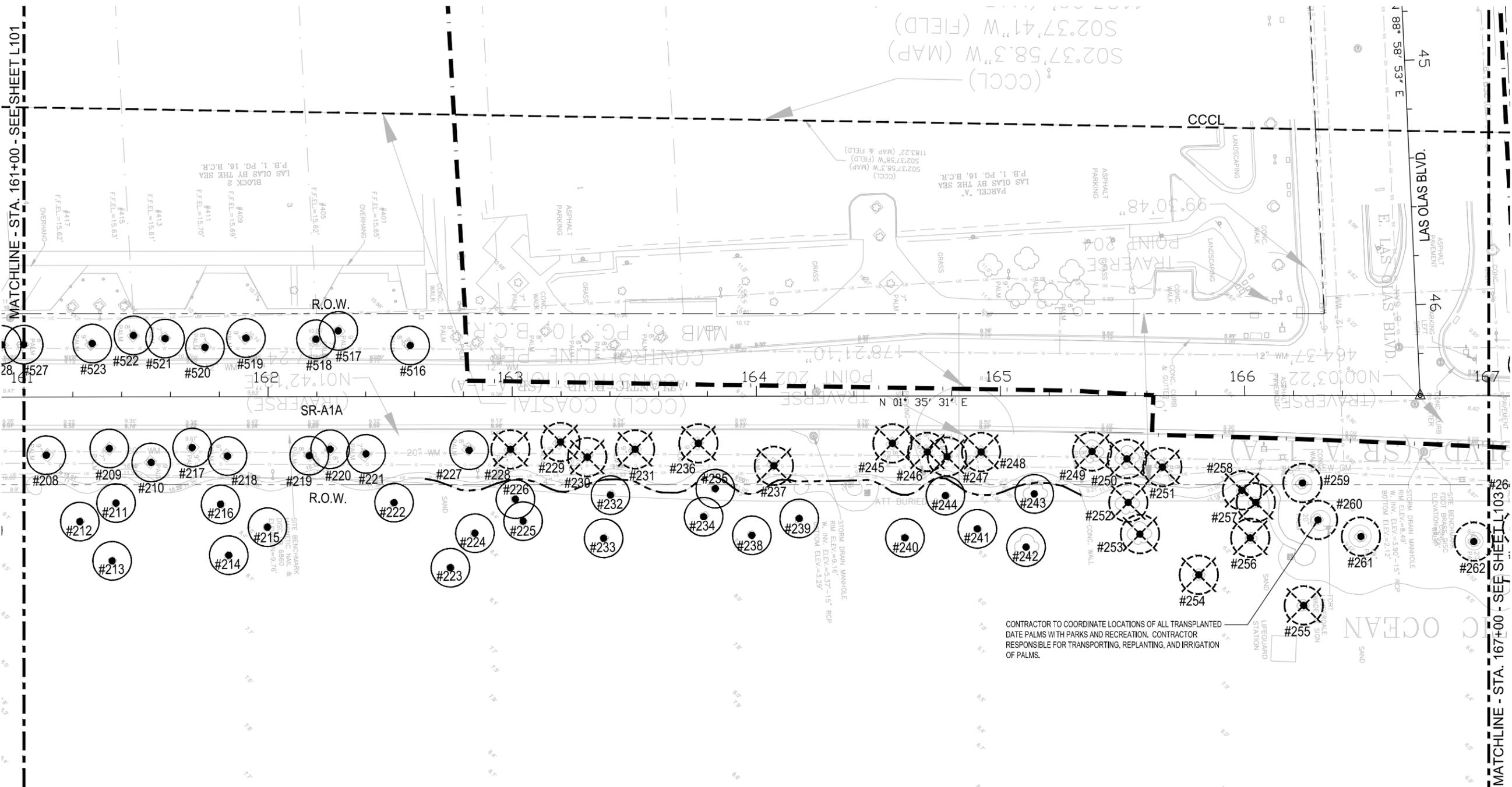


FDOT PERMIT NUMBER: 2019-L-491-00006

REVISIONS	
NO.	DESCRIPTION

PROJECT # 11681
 A1A STREETSCAPE IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019-L-491-00003
 TREE DISPOSITION PLAN

SHEET NO.
L101 1 OF 00



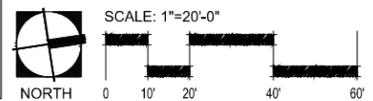
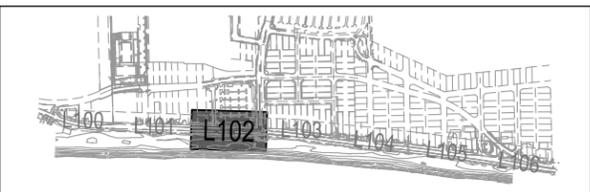
MATCHLINE - STA. 161+00 - SEE SHEET L101

MATCHLINE - STA. 167+00 - SEE SHEET L103

LEGEND

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		REMAIN	
		REMOVE	
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PALMS	#111	#111	#111

CONTRACTOR TO COORDINATE LOCATIONS OF ALL TRANSPLANTED DATE PALMS WITH PARKS AND RECREATION. CONTRACTOR RESPONSIBLE FOR TRANSPORTING, REPLANTING, AND IRRIGATION OF PALMS.



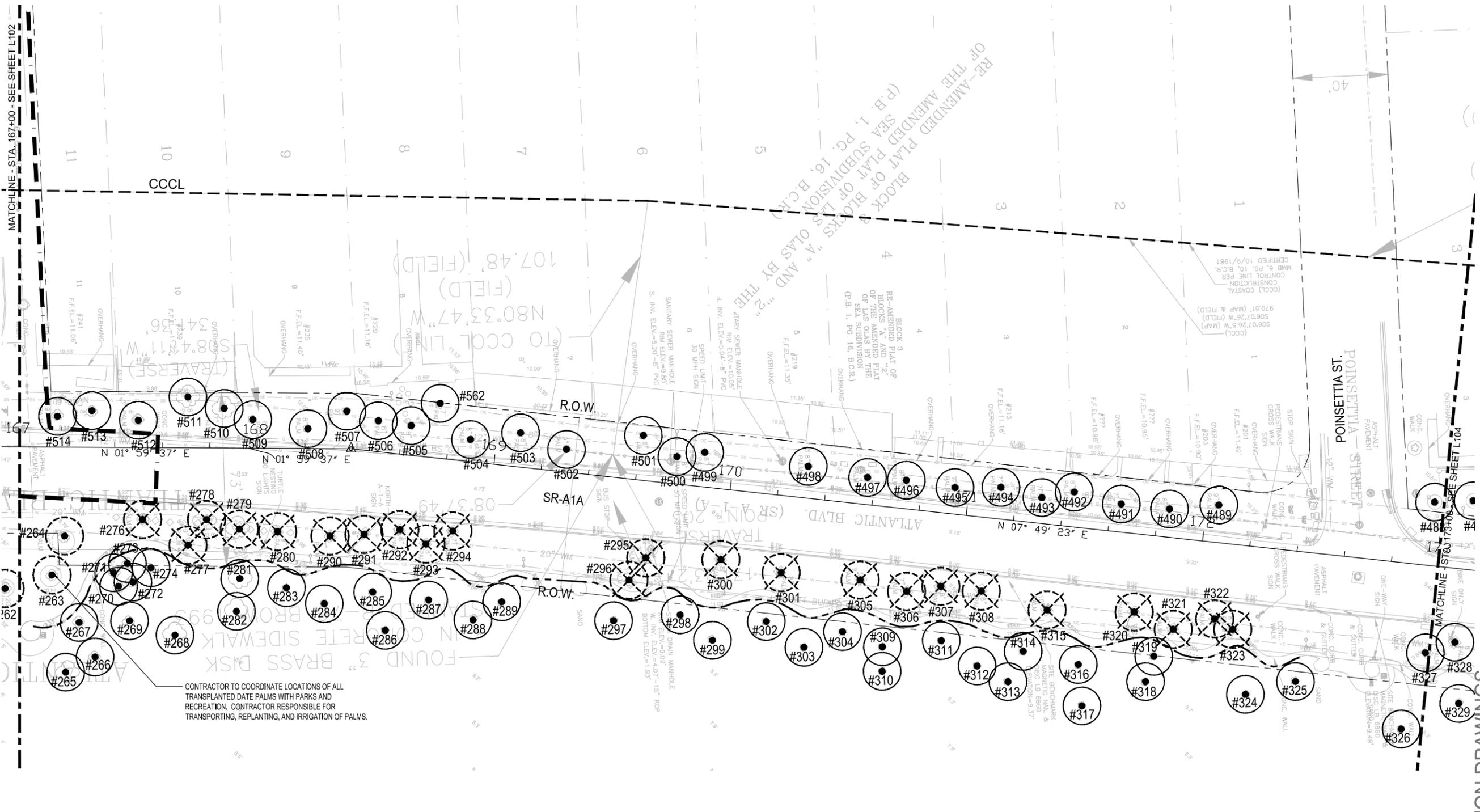
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REVISIONS

NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 11681
 A1A STREETSCAPE IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019-L-491-00003
 TREE DISPOSITION PLAN

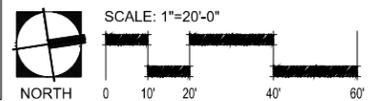
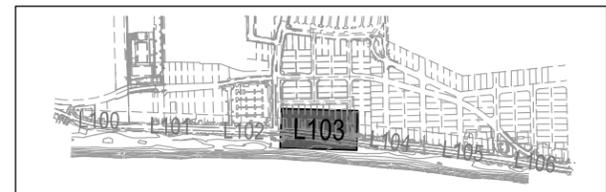
SHEET NO.
L102
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CONTRACTOR TO COORDINATE LOCATIONS OF ALL TRANSPLANTED DATE PALMS WITH PARKS AND RECREATION. CONTRACTOR RESPONSIBLE FOR TRANSPORTING, REPLANTING, AND IRRIGATION OF PALMS.

LEGEND

	RELOCATE	REMAIN	REMOVE
TREES	#111	#111	#111
PALMS	#111	#111	#111



REVISIONS

NO.	DATE	BY	CHK'D	DESCRIPTION

100% CONSTRUCTION DRAWINGS

PROJECT # 11681
 A1A STREETSCAPE IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019-L-491-00003
 TREE DISPOSITION PLAN

SHEET NO.
L103
 1 OF 00

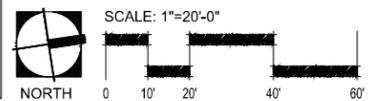


MATCHLINE - STA. 173+00 - SEE SHEET L103

MATCHLINE - STA. 179+00 - SEE SHEET L105

LEGEND

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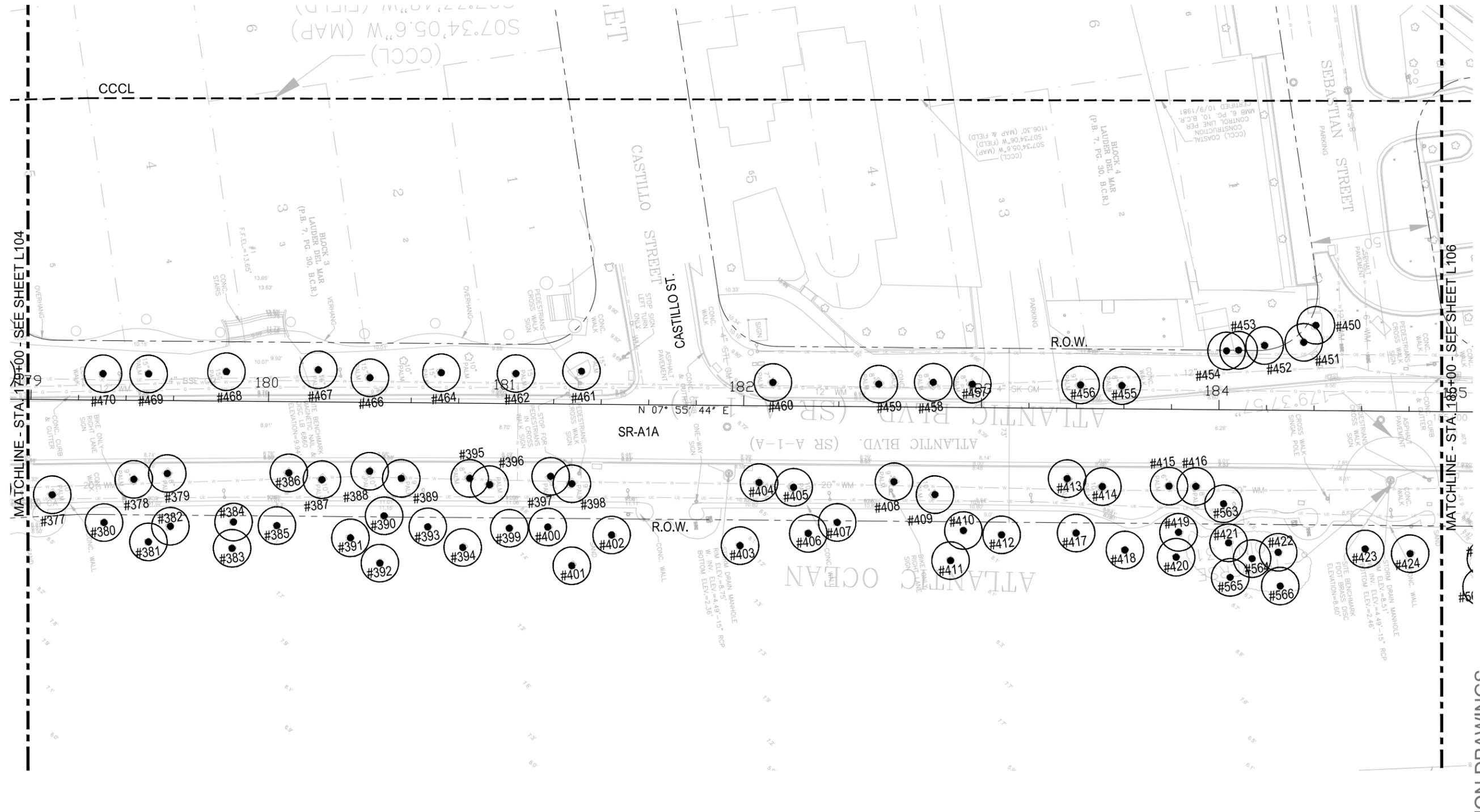
DATE:	08/27/2019
DESIGNED BY:	EDSA
CHECKED BY:	EDSA
SCALE:	AS SHOWN
FIELD BOOK:	

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PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL
FDOT LANDSCAPE PERMIT # 2019.L-491-00003
TREE DISPOSITION PLAN

SHEET NO.
L104
1 OF 00

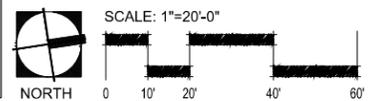


MATCHLINE - STA. 1+79+00 - SEE SHEET L104

MATCHLINE - STA. 1+85+00 - SEE SHEET L106

LEGEND

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	RELOCATE REMAIN REMOVE						
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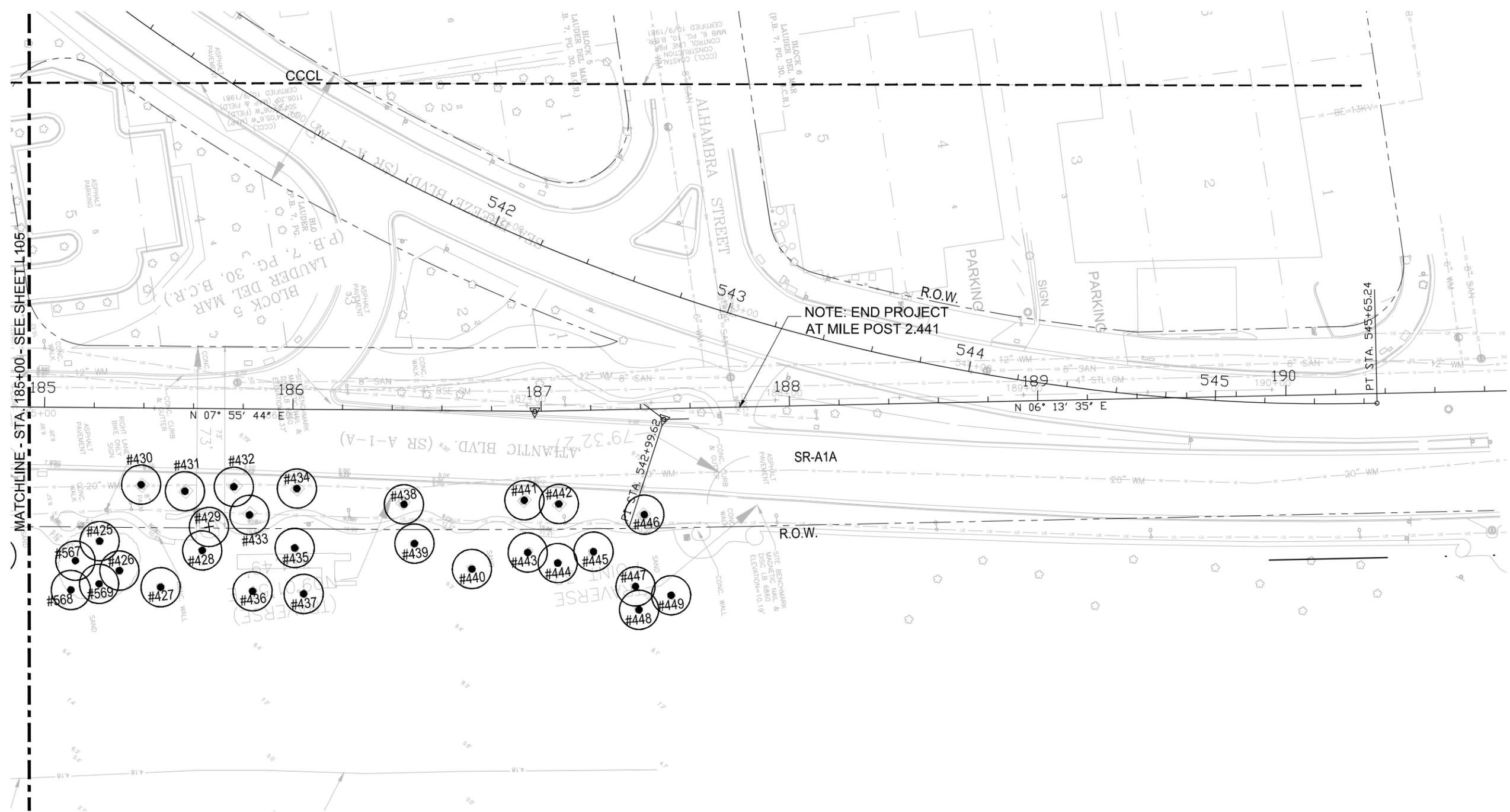
FDOT PERMIT NUMBER: 2019-L-491-00006

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL
FDOT LANDSCAPE PERMIT # 2019-L-491-00003
TREE DISPOSITION PLAN

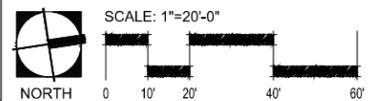
SHEET NO.
L105
1 OF 00



LEGEND

----- FENCE: DETAIL 1 / L000 (DEDUCT ALTERNATE)

	RELOCATE	REMAIN	REMOVE
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PALMS	#111	#111	#111



REVISIONS

NO.	DATE	BY	CHK'D	DESCRIPTION

100% CONSTRUCTION DRAWINGS

PROJECT # 11681
 A1A STREETSCAPE IMPROVEMENTS
 FORT LAUDERDALE, FL
 FDOT LANDSCAPE PERMIT # 2019.L-491-00003
 TREE DISPOSITION PLAN

SHEET NO.
L106 1 OF 00

DATE:	08/27/2019
SCALE:	AS SHOWN
DESIGNED BY:	EDSA
CHECKED BY:	EDSA
FIELD BOOK:	

CITY OF FORT LAUDERDALE
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ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

100% CONSTRUCTION DRAWINGS

PROJECT # P11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL
FDOT LANDSCAPE PERMIT # 2019.L-491-00003
HARDSCAPE PLAN

SHEET NO. **L200** 1 OF 00



NOTE: BEGIN PROJECT AT MILE POST 2.637

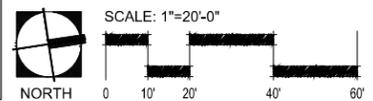
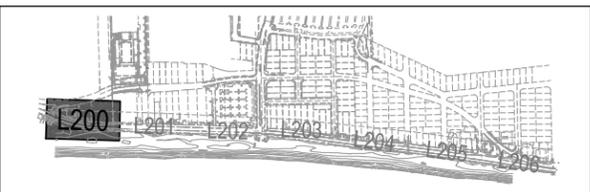
MATCHLINE - STA. 155+00 - SEE SHEET L201

NOTES:

- CONTRACTOR TO REPLACE ANY CONCRETE REQUIRED TO BE REMOVED FOR INSTALLATION OF LIGHT POLES. REPLACED CONCRETE TO MATCH SURROUNDING HARDSCAPE.
- EXISTING PAVERS THAT ARE REMOVED FOR NEW CIP HARDSCAPE FLATWORK, TREE PITS AND BOLLARDS TO BE STOCKPILED AND PROTECTED. THESE PAVERS ARE TO BE RE-USED NORTH OF LAS OLAS BOULEVARD TO FILL Voids IN THE PAVER FIELDS FROM RELOCATED PALMS AND NEW BOLLARDS.
- RE-USED PAVERS INSTALLED NORTH OF LAS OLAS BOULEVARD TO MATCH EXISTING PATTERN IN COLOR AND LAYOUT.
- SIGNED AND SEALED SHOP DRAWINGS FROM LICENSED STRUCTURAL ENGINEER TO BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR REVIEW / APPROVAL FOR ANY DESIGN MODIFICATIONS REQUIRED TO BOLLARD FOOTERS DUE TO UTILITY CONFLICTS IN ORDER TO ACHIEVE AN S20 RATING.
- BOLLARDS TO BE EQUALLY SPACED AT 9' O.C., CENTERED BE BETWEEN TREES OR LIGHT POLES. NO GAP TO EXCEED 9' BETWEEN VERTICAL ELEMENTS.
- P-04B HARDSCAPE TO BE SAWCUT TO MATCH AND BE A CONTINUATION OF THE ADJACENT EXISTING CONCRETE PATTERN.

LEGEND

CONCRETE PAVING	SITE FURNISHINGS
P-01 WHITE PORTLAND CEMENT WITH BLUE GLASS AND SHELL AGGREGATE	BIKE RACK SF-08
P-02 LAS OLAS INTEGRAL GRAY COLORED CONCRETE	GARBAGE/ RECYCLING CONTAINER SF-11
P-03 WHITE PORTLAND CEMENT WITH SHELL AGGREGATE	CONCRETE TREE GRATE SF-01A
P-04A STANDARD GRAY CONCRETE WITH SHELL AGGREGATE	VEHICULAR BOLLARD SF-13
P-04B STANDARD GRAY CONCRETE	ACCENT SEATING TYPE 1 SF-04
P-05 RE-USED CONCRETE PAVERS *SEE NOTES*	



FDOT PERMIT NUMBER: 2019-L-491-00006

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1512 E. Broward Blvd. Suite 110
Fort Lauderdale, FL 33301
954-524-3330

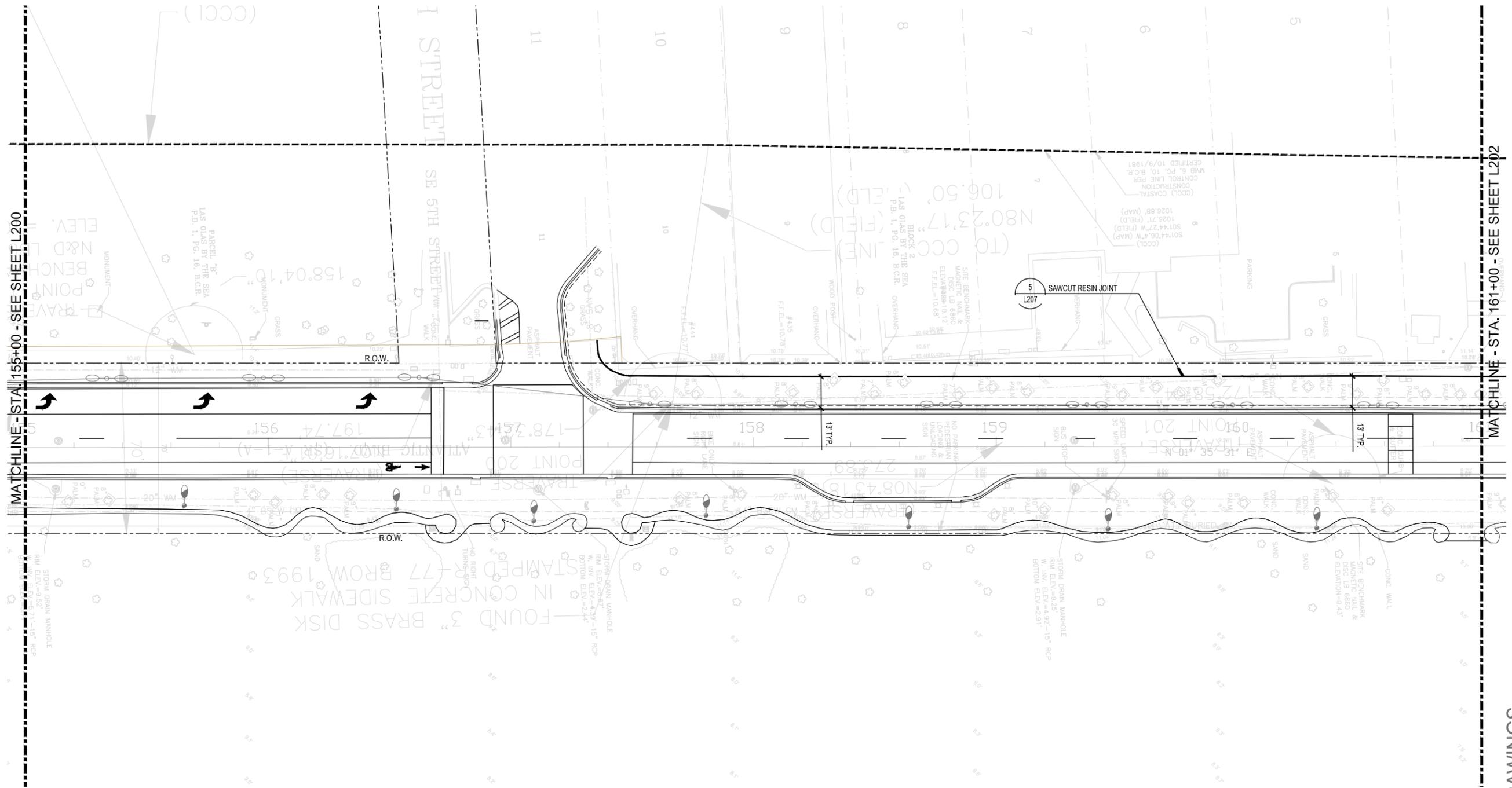
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SCALE:	AS SHOWN
FIELD BOOK:	

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ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS	
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PROJECT # 11681
A1A STREETSCAPE IMPROVEMENTS
FORT LAUDERDALE, FL
FDOT LANDSCAPE PERMIT # 2019.L-491-00003
HARDSCAPE PLAN

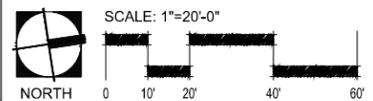
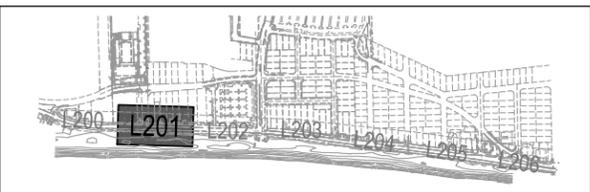
SHEET NO.	1 OF 00
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- NOTES:**
- CONTRACTOR TO REPLACE ANY CONCRETE REQUIRED TO BE REMOVED FOR INSTALLATION OF LIGHT POLES. REPLACED CONCRETE TO MATCH SURROUNDING HARDSCAPE.
 - EXISTING PAVERS THAT ARE REMOVED FOR NEW CIP HARDSCAPE FLATWORK. TREE PITS AND BOLLARDS TO BE STOCKPILED AND PROTECTED. THESE PAVERS ARE TO BE RE-USED NORTH OF LAS OLAS BOULEVARD TO FILL VOIDS IN THE PAVEMENT FROM RELOCATED PALMS AND NEW BOLLARDS.
 - RE-USED PAVERS INSTALLED NORTH OF LAS OLAS BOULEVARD TO MATCH EXISTING PATTERN IN COLOR AND LAYOUT.
 - SIGNED AND SEALED SHOP DRAWINGS FROM LICENSED STRUCTURAL ENGINEER TO BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR REVIEW / APPROVAL FOR ANY DESIGN MODIFICATIONS REQUIRED TO BOLLARD FOOTERS DUE TO UTILITY CONFLICTS IN ORDER TO ACHIEVE AN S20 RATING.
 - BOLLARDS TO BE EQUALLY SPACED AT 9' O.C., CENTERED BETWEEN TREES OR LIGHT POLES. NO GAP TO EXCEED 9' BETWEEN VERTICAL ELEMENTS.
 - P-04B HARDSCAPE TO BE SAWCUT TO MATCH AND BE A CONTINUATION OF THE ADJACENT EXISTING CONCRETE PATTERN.

LEGEND

CONCRETE PAVING	P-01	WHITE PORTLAND CEMENT WITH BLUE GLASS AND SHELL AGGREGATE	SITE FURNISHINGS	SF-08	BIKE RACK
	P-02	LAS OLAS INTEGRAL GRAY COLORED CONCRETE		SF-11	GARBAGE/ RECYCLING CONTAINER
	P-03	WHITE PORTLAND CEMENT WITH SHELL AGGREGATE		SF-01A	CONCRETE TREE GRATE
	P-04A	STANDARD GRAY CONCRETE WITH SHELL AGGREGATE		SF-13	VEHICULAR BOLLARD
	P-04B	STANDARD GRAY CONCRETE		SF-04	ACCENT SEATING TYPE 1
P-05	RE-USED CONCRETE PAVERS 'SEE NOTES'				



FDOT PERMIT NUMBER: 2019-L-491-00006