

SECTION No(s): 86180000
S.R. No.: A1A
PERMIT No: 2022-L-491-00003
COUNTY: BROWARD

**AMENDMENT NUMBER EIGHTEEN (18) TO
DISTRICT FOUR (4) STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
LANDSCAPE INCLUSIVE MAINTENANCE MEMORANDUM OF AGREEMENT
FOR STATE ROAD A1A**

THIS AMENDMENT Number Eighteen (18) to the Agreement dated January 31, 2008, made and entered into this 8th day of January 2023 by and between the State of Florida Department of Transportation hereinafter called the **DEPARTMENT** and the **CITY OF FORT LAUDERDALE**, a municipal corporation of the State of Florida, hereinafter called the **AGENCY**.

W I T N E S S E T H

WHEREAS, the parties entered into the Landscape Inclusive Maintenance of Agreement dated, January 31, 2008 for the purpose of maintaining the landscape and hardscape improvements by the AGENCY on State Road A1A; and,

WHEREAS, the DEPARTMENT and the AGENCY have agreed to add additional landscape and hardscape improvements, including pedestrian lighting, to be installed by permit on State Road A1A in accordance with the above referenced Agreement; and,

WHEREAS, the AGENCY by Resolution No. 22-287 dated December 20, 2022, attached hereto as **Exhibit D** and by this reference made a part hereof, desires to enter into this Agreement and authorized its officers to do so; and,

NOW THEREFORE, for and in consideration of mutual benefits that flow each to the other, the parties covenant and agree as follows:

1. Pursuant to Paragraph Number Thirteen (13) in the Agreement dated January 31, 2008, the AGENCY has agreed to construct additional landscape improvements or to modify an improvement located as indicated in **Exhibit "A"**,

State Road A1A (Seabreeze Boulevard) from MP 2.396 to MP 2.487
in accordance with the plans attached as **Exhibit "B"**.

2. The AGENCY shall agree to maintain the additional landscape improvements, including pedestrian lighting, described above, in accordance with the Maintenance Plan, **Exhibit "C"** attached hereto;

Except as modified by this Amendment, all terms and conditions of the original Agreement and all Amendments thereto shall remain in full force and effect.

LIST OF EXHIBITS

- Exhibit A - Improvements Maintenance Boundaries
- Exhibit B - Landscape Improvement Plans and Lighting Plans
- Exhibit C - Maintenance Plan for Landscape and Hardscape Improvements
- Exhibit D - Resolution

SECTION No(s): 86180000
S.R. No.: A1A
PERMIT No: 2022-L-491-00003
COUNTY: BROWARD

EXHIBIT A

IMPROVEMENTS MAINTENANCE BOUNDARIES

I. PERMIT PROJECT MAINTENANCE LIMITS:

Section Number 86180000

State Road A1A (Seabreeze Boulevard) from MP 2.396 to MP 2.487

II. INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT LIMITS FOR STATE ROAD A1A:

From State Road 5 (US 1) M.P. 0.000 (Section 86180000) to Flamingo Avenue (M.P. 6.410) (Section 86050000)

By Individual Sections:

Southbound One Way (Section 86050100)

M.P. 0.0000 (Seville Street) to M.P. 0.926 (Bahia Mar Hotel Entrance)

Northbound One Way / Seabreeze Blvd / 17th Street Causeway (Section 86180000):

M.P. 0.000 (State Road 5) (US 1) to M.P. 2.964 (State Road 842) (Las Olas Boulevard)

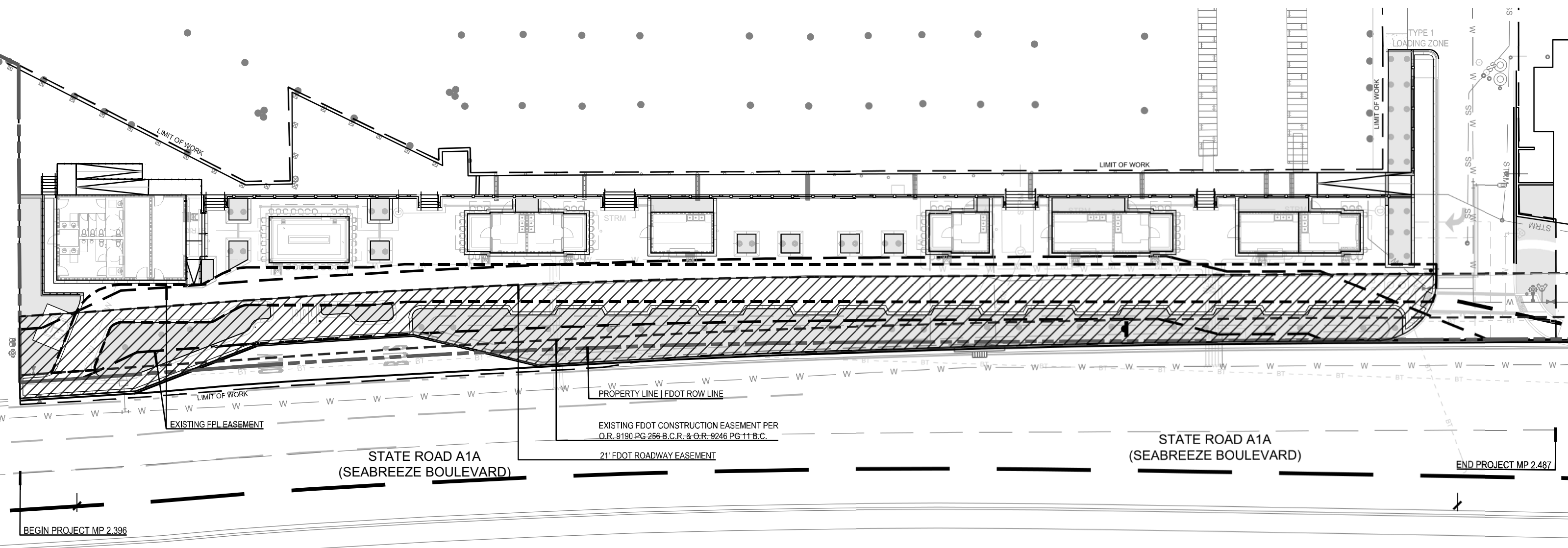
North Fort Lauderdale Beach Area (Section 86050000):

M.P. 2.039 (south of Poinsettia Street) to M.P. 6.410 (Flamingo Avenue)

III. PERMIT PROJECT MAINTENANCE BOUNDARY LIMITS MAP:

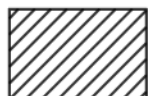

Please See Attached

*All limits of the original agreement and amendments shall apply



LANDSCAPE IMPROVEMENTS MAINTENANCE BOUNDARY MAP

CITY OF FORT LAUDERDALE
 STATE ROAD A1A (SEABREEZE BLVD)
 FDOT PERMIT 2022-L-491-00003
 OCTOBER 11, 2022


 LIMITS OF MAINTENANCE BY CITY OF FORT LAUDERDALE
 
 NORTH

SECTION No(s): 86180000
S.R. No.: A1A
PERMIT No: 2022-L-491-00003
COUNTY: BROWARD

EXHIBIT B

LANDSCAPE IMPROVEMENT PLANS AND LIGHTING PLANS

The AGENCY agrees to install the landscape improvements in accordance with the plans and specifications attached hereto and incorporated herein.

Please see attached plans prepared by: Jeff Suiter, RLA
EDSA
September 23, 2022

And

Edward J. Kranz, PE
Feller Engineering
February 15, 2021

BAHIA MAR MARINA VILLAGE

801 SEABREEZE BLVD.

LANDSCAPE ARCHITECTURE CONSTRUCTION DOCUMENTS

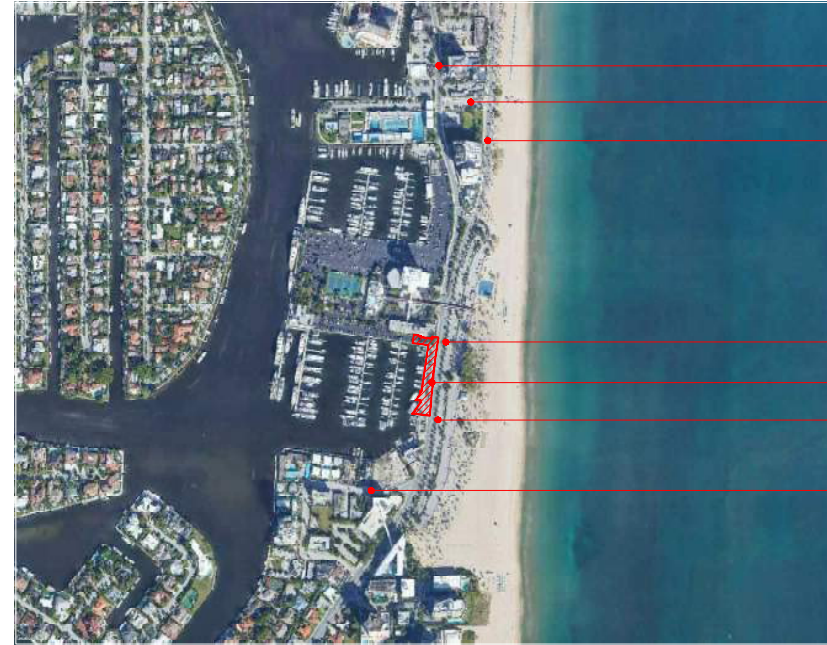
ISSUE FOR PERMIT

JANUARY 7, 2021

PREPARED FOR:

TRR BAHIA MAR LLC

1175 NE 125 STREET, SUITE 102
NORTH MIAMI, FL 33161



SEABREEZE BLVD.
SE 5 ST. (LEAVITT DR. / HALL OF FAME DR.)
SR A1A (S. FORT LAUDERDALE BEACH BLVD.)

END PROJECT
MP 2.487
SR A1A (SEABREEZE BLVD.)
BEGIN PROJECT
MP 2.396

HARBOR DRIVE

NOTE:
DESIGN SPEED FOR SR A1A = 35 MPH

LOCATION MAP



SHEET INDEX

Sheet Number	Sheet Title
L0-0-00	COVER SHEET
L0-1-01	OVERALL PLAN
L1-1-01	TREE DISPOSITION PLAN
L3-1-01	HARDSCAPE PLAN
L3-1-02	HARDSCAPE PLAN
L3-4-01	HARDSCAPE DETAILS-PAVING
L3-4-02	HARDSCAPE DETAILS-WALLS AND STAIRS
L3-4-03	HARDSCAPE DETAILS-RAILS AND GATE
L3-4-04	HARDSCAPE DETAILS - FURNISHINGS
L3-4-05	HARDSCAPE DETAILS - SECTIONS
L3-5-01	HARDSCAPE SCHEDULE
L5-0-01	LANDSCAPE NOTES
L5-1-01	TREE PLAN AND SCHEDULE
L6-1-01	SHRUB PLAN AND SCHEDULE
L6-4-01	LANDSCAPE DETAILS
L7-2-01	IRRIGATION PLAN
L7-3-01	IRRIGATION LEGEND, NOTES & DETAILS
L9-1-01	FURNITURE PLAN

CONSULTANTS

ENVIRONMENTAL CONSULTANT
THE CHAPPELL GROUP INC.
714 EAST MCNAB ROAD
POMPANO BEACH, FL 33060

MEP
FELLER ENGINEERING
500 NE THIRD AVENUE
FORT LAUDERDALE, FLORIDA 33301

CIVIL ENGINEER
KIMLEY HORN ASSOCIATES
615 SOUTH CONGRESS AVENUE
DELRAY BEACH, FL 33445



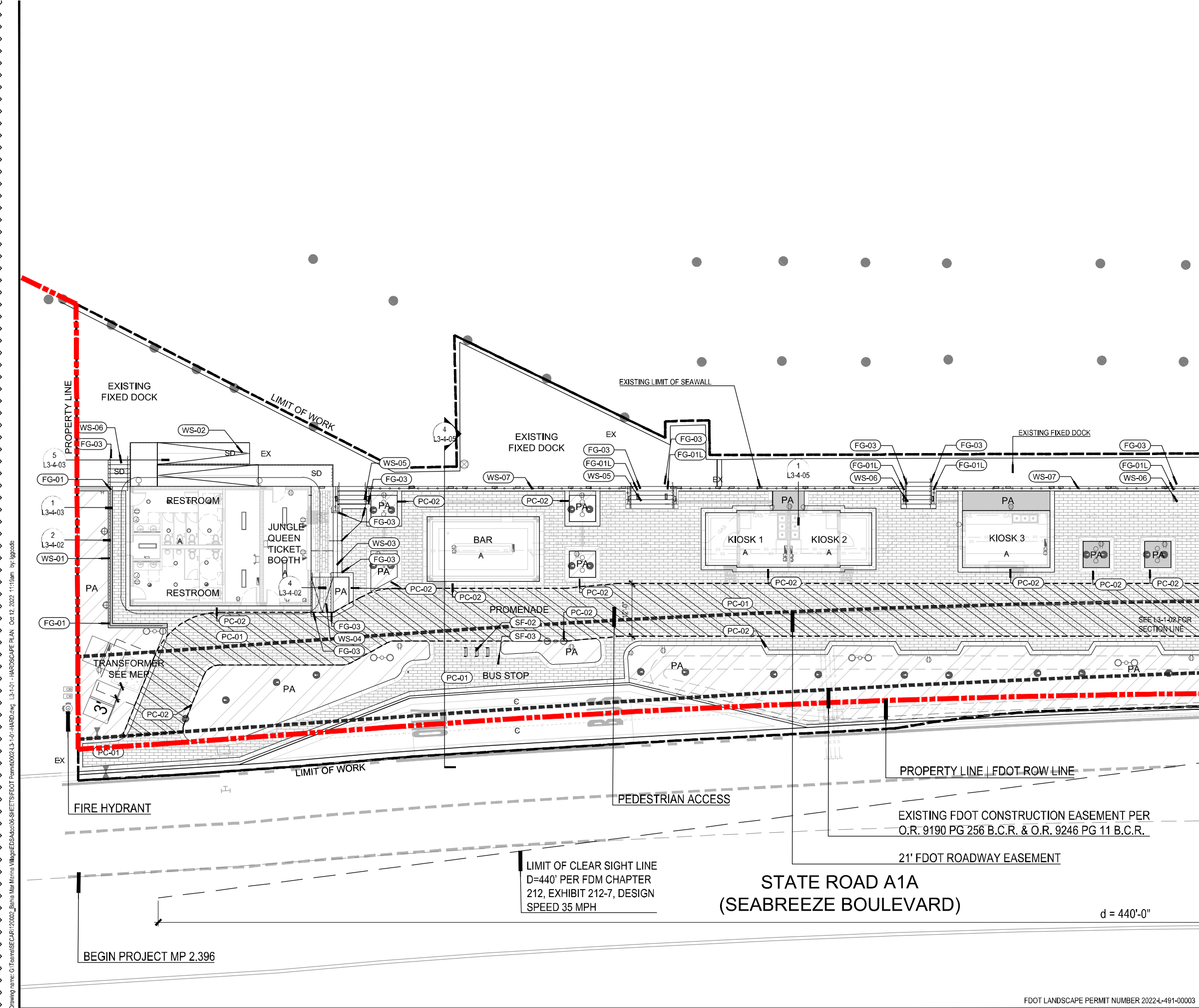
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

1512 E. BROWARD BOULEVARD, SUITE 110
FORT LAUDERDALE, FLORIDA 33301 USA
TEL: 954.524.3330 LCC000001

STRUCTURAL ENGINEER
CSW STRUCTURAL GROUP
5397 ORANGE DRIVE
SUITE 203
DAVIE, FLORIDA 33314

ARCHITECT
KOBİ KARP ARCHITECTURE /
INTERIOR DESIGN
2915 Biscayne Boulevard
Suite 200
Miami, FL 33137

INTERIOR DESIGN
IDDI
5100 NORTH DIXIE HIGHWAY
FORT LAUDERDALE, FL 33334



LEGEND

SYMBOL	DESCRIPTION
PC-01	CONCRETE PAVER
PC-02	CONCRETE BANDING
PC-03	INTEGRAL COLOR CONCRETE
WS-01	RETAINING WALL TYPE I
WS-02	ADA SOUTH RAMP
WS-03	ADA NORTH RAMP
WS-04	CONCRETE AND PAVER RAMP
WS-05	DOCK ACCESS STAIR TYPE 1
WS-06	DOCK ACCESS STAIR TYPE 2
WS-07	CMU WALL
FG-01	ALUMINUM RAIL
FG-01L	ALUMINUM RAIL WITH DRINK LEDGE
FG-02	RAMP RAIL
FG-03	STAIR RAIL
SF-01	SECURITY BOLLARD
SF-02	BIKE RACK
SF-03	BIKE PUMP
SF-05	MANHOLE COVER
A	SEE ARCHITECTURE
C	SEE CIVIL, ASPHALTIC CONCRETE PAVEMENT
SD	SEE SEAWALL DRAWINGS
EX	EXISTING TO REMAIN
PA	PLANTING AREA
[Hatched Pattern]	SEABREEZE PROMENADE

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine 811.com

NORTH

Scale: 1" = 10'-0"

Project Name
BAHIA MAR MARINA VILLAGE

Client
TRR BAHIA MAR LLC

Consultants

edsa
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN
1512 E. BROWARD BOULEVARD, SUITE 110
FORT LAUDERDALE, FLORIDA 33301 USA
TEL: 954.524.3330 LCC000001

THE CHAPPELL GROUP INC.
ENVIRONMENTAL CONSULTANT
714 EAST MCNAB ROAD
POMPANO BEACH, FL 33060

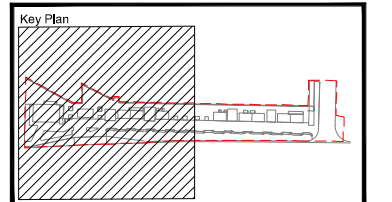
KIMLEY HORN ASSOCIATES
CIVIL ENGINEER
615 SOUTH CONGRESS AVENUE
SUITE 201
DELRAY BEACH, FL 33445

KOBI KARP ARCHITECTURE / INTERIOR DESIGN
CONSULTANT 3 DISCIPLINE
2915 Biscayne Boulevard
Suite 200
Miami, FL 33137

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CONSULTANT 1 DISCIPLINE
5100 NORTH DIXIE HIGHWAY
FORT LAUDERDALE, FL 33334

FELLER ENGINEERING
MEP
500 NE THIRD AVENUE
FORT LAUDERDALE, FLORIDA 33301

CSW STRUCTURAL GROUP
STRUCTURAL ENGINEER
5397 ORANGE DRIVE
SUITE 203
DAVE, FLORIDA 33314



Rev	Date	Issued for
1	04.11.2022	PERMIT REVISION
2	05.12.2022	ADDENDUM
3	09.23.2022	PERMIT REVISION

Date	09/26/2022
Designed By	DB
Drawn By	LG
Approved / Checked By	BSL
Project Number	120002

Seal

SEPTEMBER 23, 2022

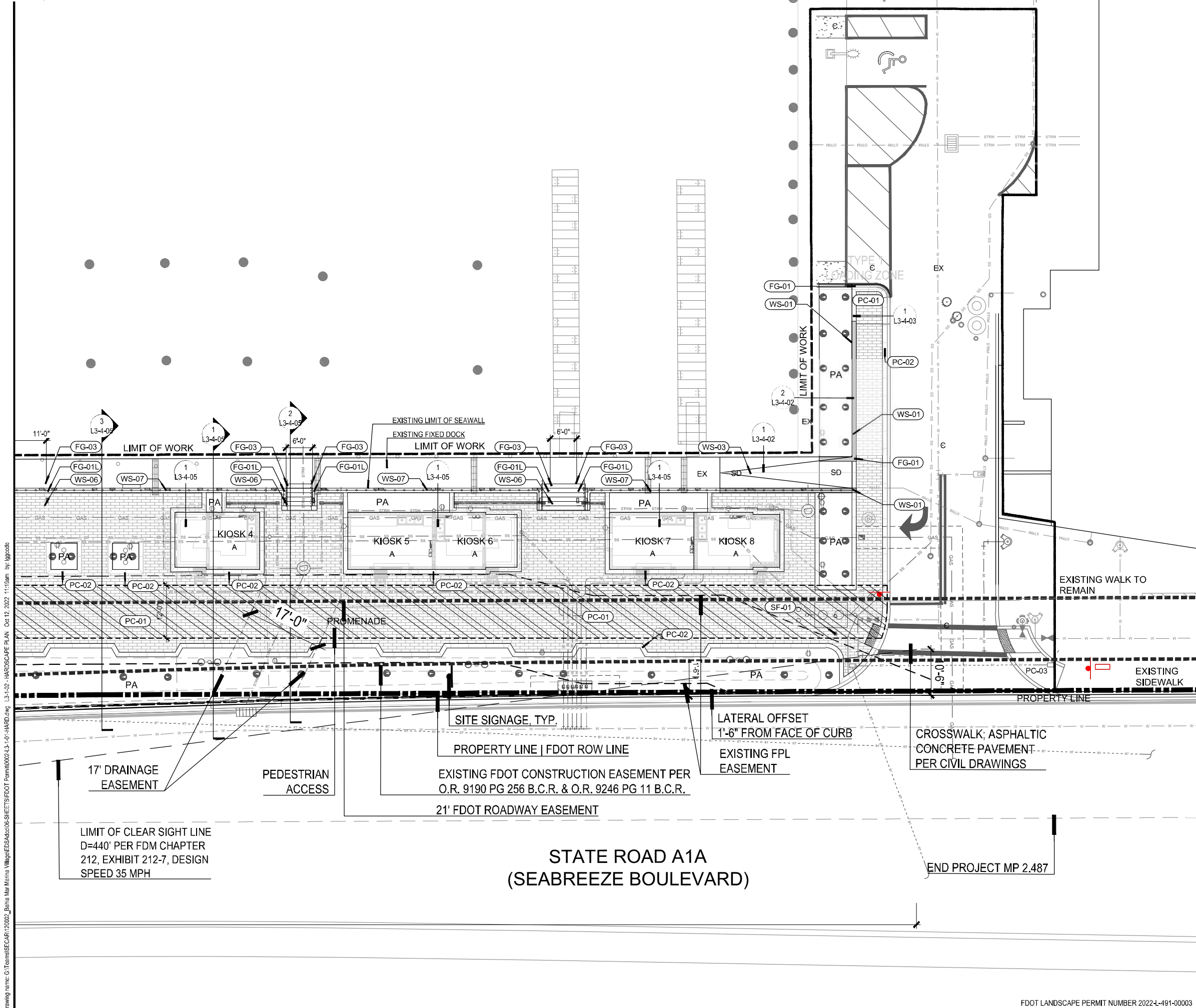
Project Phase
ISSUE FOR PERMIT

Sheet Title
HARDSCAPE PLAN

Revision Number	Sheet Number
4	L3-1-01

Page 9 of 34

Drawing name: C:\Users\SECUR\120002_Bahia Mar Marina Village\EDS\Sub\03-SHEETS\FDOT Permits\L3-1-01-HARDSCAPE PLAN Oct 12, 2022 11:09am by:lgcabre



LEGEND	
SYMBOL	DESCRIPTION
PC-01	CONCRETE PAVER
PC-02	CONCRETE BANDING
PC-03	INTEGRAL COLOR CONCRETE
WS-01	RETAINING WALL TYPE I
WS-02	ADA SOUTH RAMP
WS-03	ADA NORTH RAMP
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WS-06	DOCK ACCESS STAIR TYPE 2
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FG-01	ALUMINUM RAIL
FG-01L	ALUMINUM RAIL WITH DRINK LEDGE
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A	SEE ARCHITECTURE
C	SEE CIVIL, ASPHALTIC CONCRETE PAVEMENT
SD	SEE SEAWALL DRAWINGS
EX	EXISTING TO REMAIN
PA	PLANTING AREA
[Hatched Pattern]	SEABREEZE PROMENADE

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Date	09/26/2022
Designed By	DB
Drawn By	LG
Approved / Checked By	BSL
Project Number	120002

Project Phase	ISSUE FOR PERMIT
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Sheet Title	HARDSCAPE PLAN
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Revision Number	4	Sheet Number	L3-1-02
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Project Name
BAHIA MAR MARINA VILLAGE

Client
TRR BAHIA MAR LLC

Consultants
 edsa
 PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN
 1512 E. BROWARD BOULEVARD, SUITE 110
 FORT LAUDERDALE, FLORIDA 33301 USA
 TEL: 954.524.3330 LCC000001

Consultants
THE CHAPPELL GROUP INC.
 ENVIRONMENTAL CONSULTANT
 714 EAST MCNAB ROAD
 POMPANO BEACH, FL 33060
KIMLEY HORN ASSOCIATES
 CIVIL ENGINEER
 615 SOUTH CONGRESS AVENUE
 SUITE 201
 DELRAY BEACH, FL 33446
KOBI KARP ARCHITECTURE / INTERIOR DESIGN
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 Suite 200
 Miami, FL 33137
IDDI
 CONSULTANT 1 DISCIPLINE
 5100 NORTH DIXIE HIGHWAY
 FORT LAUDERDALE, FL 33334
FELLER ENGINEERING
 MEP
 500 NE THIRD AVENUE
 FORT LAUDERDALE, FLORIDA 33301
CSW STRUCTURAL GROUP
 STRUCTURAL ENGINEER
 5397 ORANGE DRIVE
 SUITE 203
 DAVIE, FLORIDA 33314

Key Plan

Seal

Project Phase
ISSUE FOR PERMIT

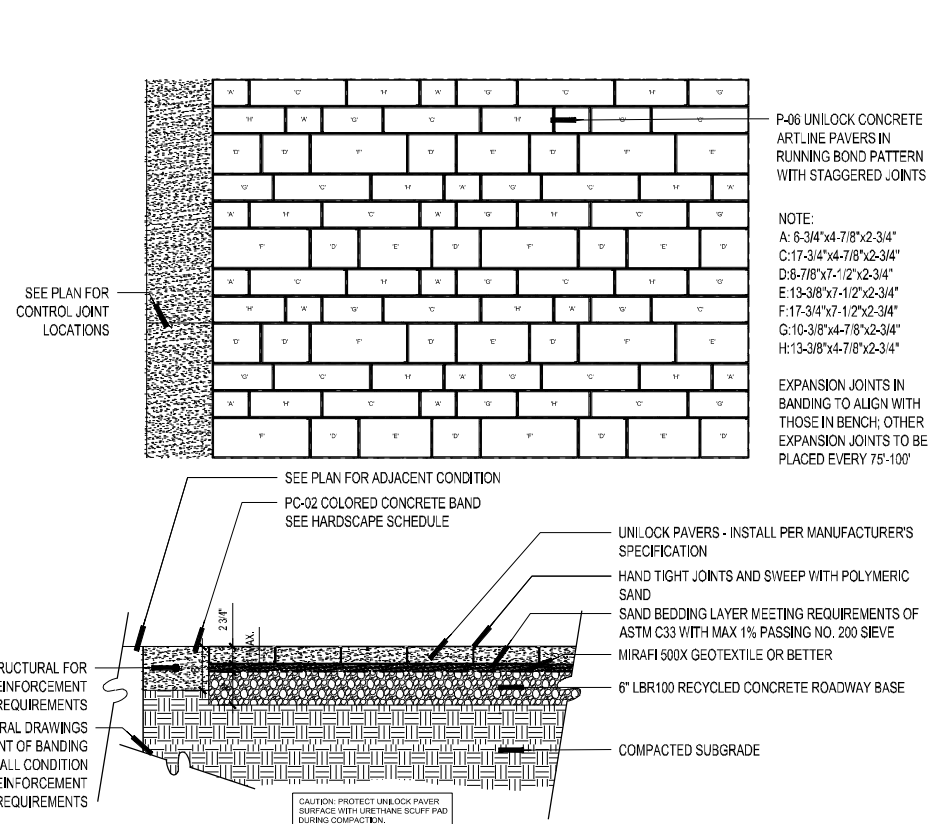
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HARDSCAPE PLAN

Revision Number
4

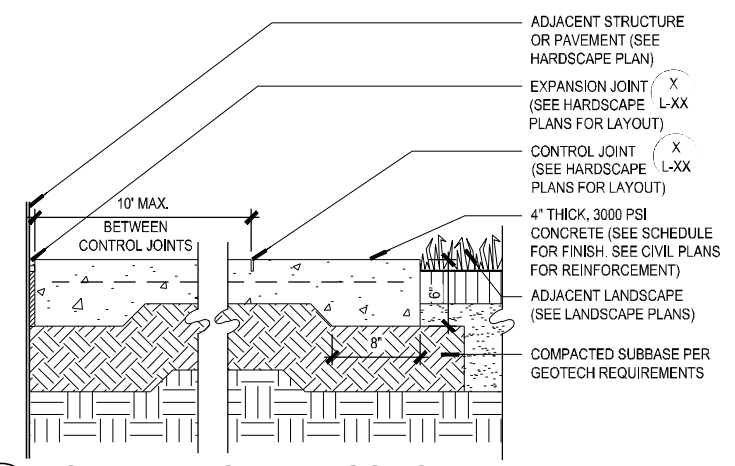
Sheet Number
L3-1-02

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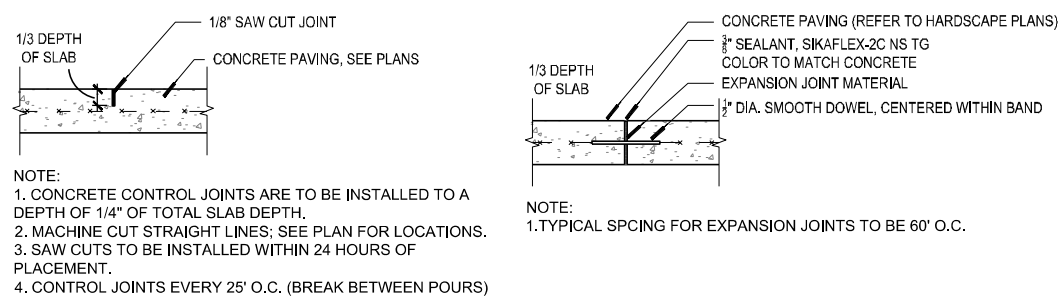
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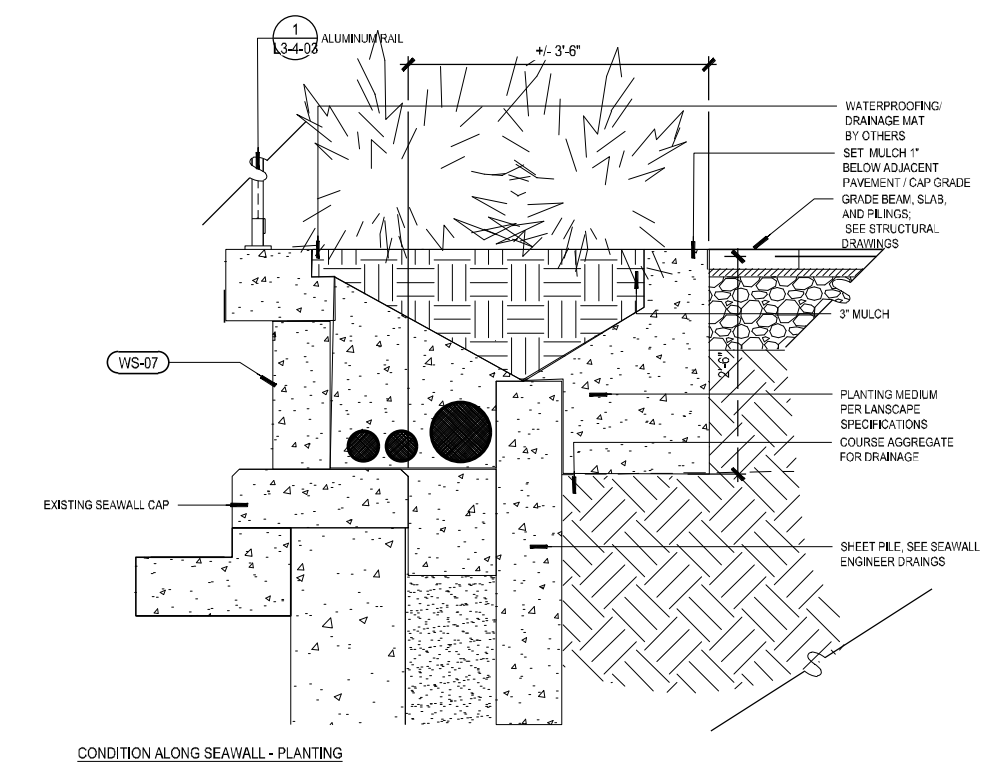
1 PC-01 PAVERS ON AGGREGATE BASE
SCALE - 3/4" = 1'-0"



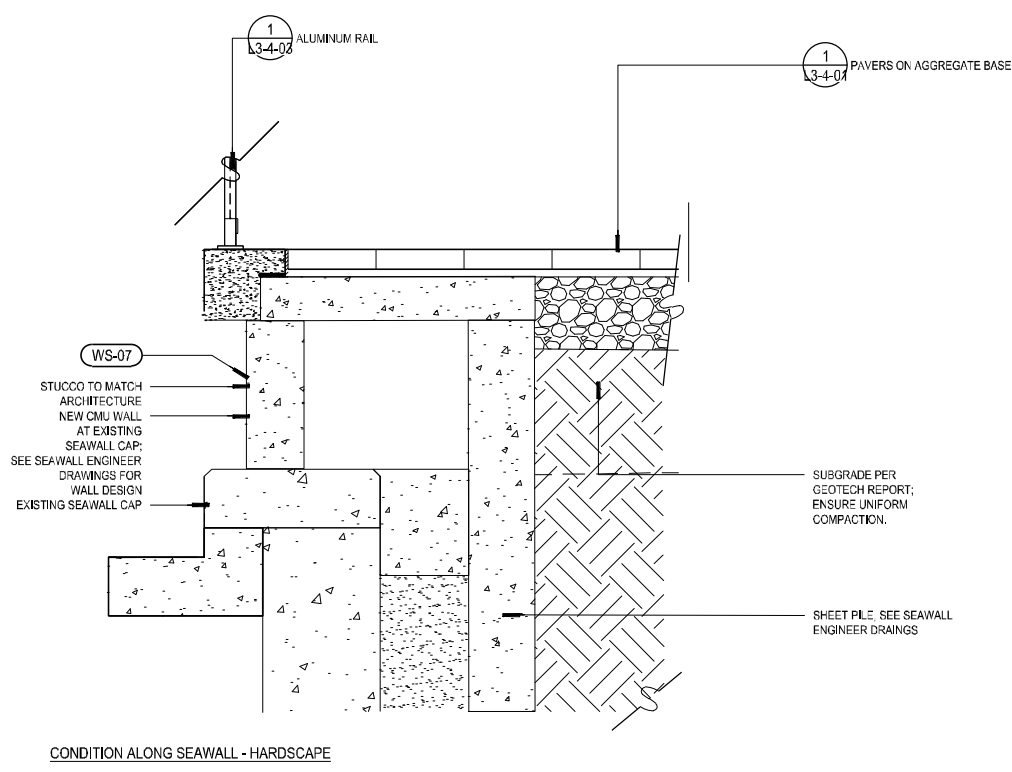
2 PC-03 PEDESTRIAN CONCRETE
SCALE - 1 1/2" = 1'-0"



3 EXPANSION/CONTROL JOINT
SCALE - 3/4" = 1'-0"



4 WS-07 NEW CMU WALL AT EXISTING SEAWALL CAP
SCALE - 1" = 1'-0"



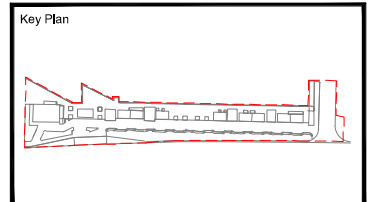
CONDITION ALONG SEAWALL - HARDSCAPE

Project Name
BAHIA MAR MARINA VILLAGE

Client
TRR BAHIA MAR LLC

Consultants
edsa PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN
1512 E. BROWARD BOULEVARD, SUITE 110 FORT LAUDERDALE, FLORIDA 33301 USA
TEL: 954.524.3330 LCC000001

Consultants
THE CHAPPELL GROUP INC. ENVIRONMENTAL CONSULTANT
714 EAST MCNAB ROAD POMPANO BEACH, FL 33060
KIMLEY HORN ASSOCIATES CIVIL ENGINEER
615 SOUTH CONGRESS AVENUE SUITE 201 DELRAY BEACH, FL 33446
KOBI KARP ARCHITECTURE / INTERIOR DESIGN CONSULTANT 3 DISCIPLINE
2915 Biscayne Boulevard Suite 200 Miami, FL 33137
IDDI CONSULTANT 1 DISCIPLINE
5100 NORTH DIXIE HIGHWAY FORT LAUDERDALE, FL 33334
FELLER ENGINEERING MEP
500 NE THIRD AVENUE FORT LAUDERDALE, FLORIDA 33301
CSW STRUCTURAL GROUP STRUCTURAL ENGINEER
5397 ORANGE DRIVE SUITE 203 DAVIE, FLORIDA 33314



Rev	Date	Issued for
1	04.11.2022	PERMIT REVISION
2	05.12.2022	ADDENDUM
3	09.23.2022	PERMIT REVISION

Date 09/26/2022
Designed By DB
Drawn By LG
Approved / Checked By BSL
Project Number 120002

Seal

Project Phase
ISSUE FOR PERMIT

Sheet Title
HARDSCAPE DETAILS - PAVING

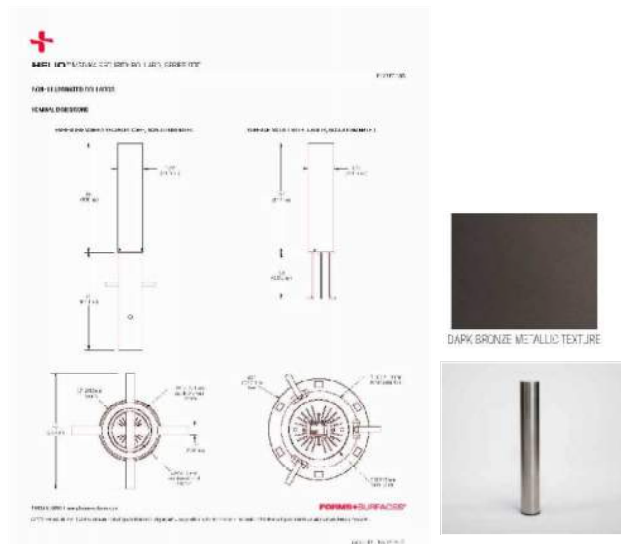
Revision Number
4

Sheet Number
L3-4-01

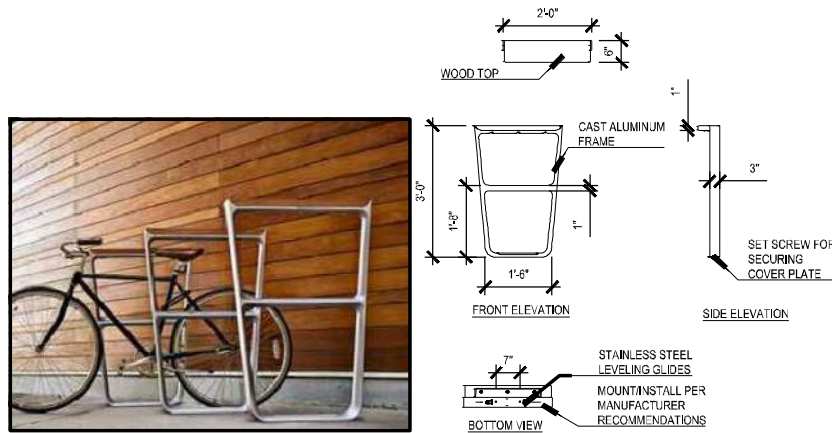
Page 11 of 34

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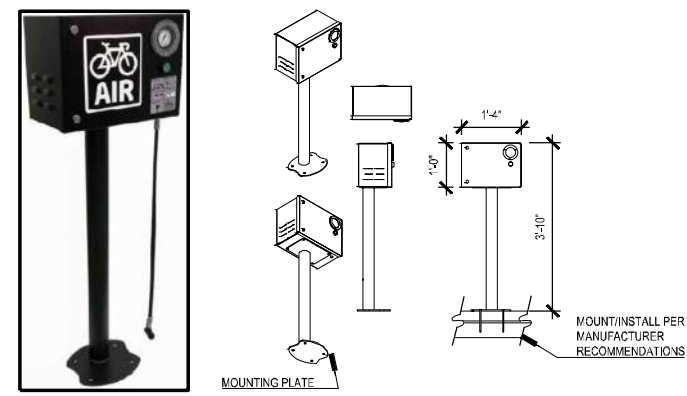


1 SF-01 SECURITY BOLLARD
SCALE - NTS



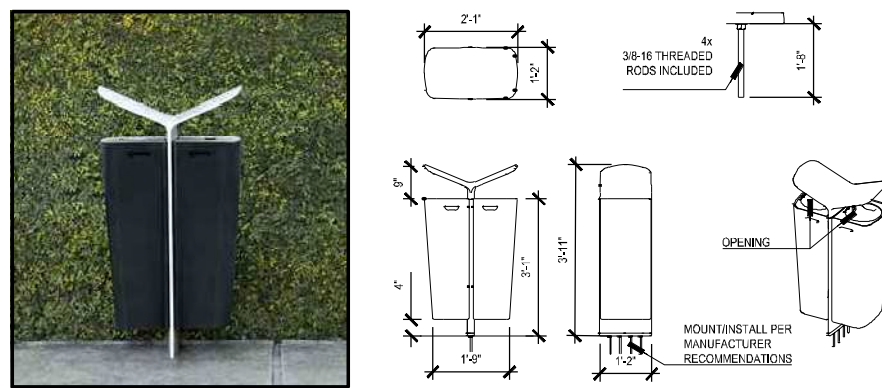
2 SF-02 BIKE RACK
SCALE - 1/2" = 1'-0"

NOTES:
1. BIKE RACK USE TO BE SUPPORTED WITH INFORMATIONAL SIGNAGE.
2. MANUFACTURER'S INFORMATION: LANDSCAPE FORMS, 4311 LAWDALE AVE, KALAMAZOO, MI 49048
3. STYLE: MULTIPLICITY BIKE RACK, 24" W X 6" D X 36" H, 34LB
4. MEETS APBP GUIDELINES
5. EACH RACK SUPPORTS 2 BICYCLES (PURSUANT TO APBP GUIDELINES)



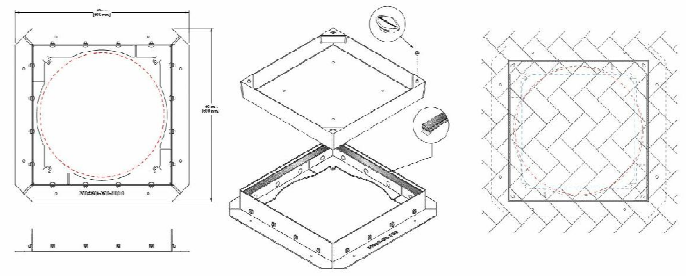
NOTES:
PUMPS ON SITE TO PROVIDE FREE AIR
MANUFACTURER: BIKE FIXATION LLC 2647 37th AVE S, UNIT 1 MINNEAPOLIS, MN 55406 USA
STYLE: LAG BOLT DEPTHS TO REACH SUB-SLAB

3 SF-03 ELECTRIC BIKE PUMP
SCALE - 1/2" = 1'-0"



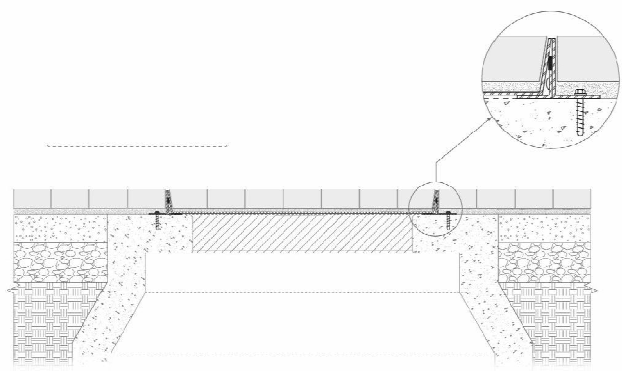
NOTES:
MANUFACTURER: LANDSCAPE FORMS, 4311 LAWDALE AVENUE, KALAMAZOO, MI 49048
PHONE: 800-521-2546 www.landscapeforms.com
STYLE: MULTIPLICITY DOUBLE LITTER, EMBED MOUNT

4 SF-04 TRASH RECEPTACLE - DETAIL REMOVED
SCALE - NTS



NOTES:
DECORATIVE COVER INTENDED FOR ANY UTILITY COVER WITHIN HARDSCAPE AREAS (DECKING OR PAVERS). FILL MATERIAL SHALL MATCH THE SURROUNDING HARDSCAPE MATERIAL.
MANUFACTURER: WUNDERCOVER 3432 DENMARK AVE, STE 214 EAGAN, MN 55123 USA
STYLE: PAVER

5 SF-05 DECORATIVE MANHOLE COVER
SCALE - NTS

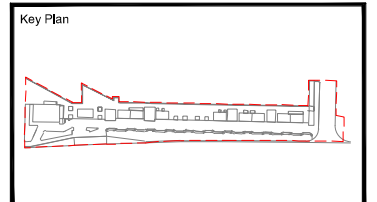


Project Name
BAHIA MAR MARINA VILLAGE

Client
TRR BAHIA MAR LLC

PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN
edsa
1512 E. BROWARD BOULEVARD, SUITE 110
FORT LAUDERDALE, FLORIDA 33301 USA
TEL: 954.524.3330 LCC000001

Consultants
THE CHAPPELL GROUP INC.
ENVIRONMENTAL CONSULTANT
714 EAST MCNAB ROAD
POMPANO BEACH, FL 33060
KIMLEY HORN ASSOCIATES
CIVIL ENGINEER
615 SOUTH CONGRESS AVENUE
SUITE 201
DELRAY BEACH, FL 33446
KOBI KARP ARCHITECTURE / INTERIOR DESIGN
CONSULTANT 3 DISCIPLINE
2915 Biscayne Boulevard
Suite 200
Miami, FL 33137
IDDI
CONSULTANT 1 DISCIPLINE
5100 NORTH DIXIE HIGHWAY
FORT LAUDERDALE, FL 33334
FELLER ENGINEERING
MEP
500 NE THIRD AVENUE
FORT LAUDERDALE, FLORIDA 33301
CSW STRUCTURAL GROUP
STRUCTURAL ENGINEER
5397 ORANGE DRIVE
SUITE 203
DAVE, FLORIDA 33314



Rev	Date	Issued for
1	04.11.2022	PERMIT REVISION
2	05.12.2022	ADDENDUM
3	09.23.2022	PERMIT REVISION

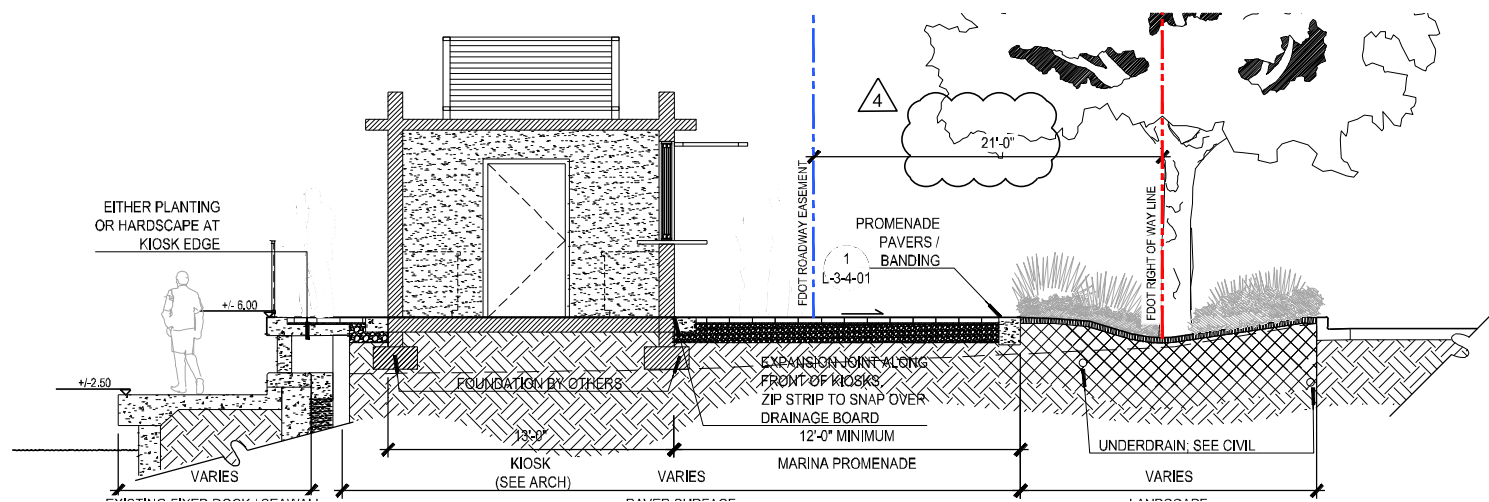
Date	09/26/2022
Designed By	DB
Drawn By	LG
Approved / Checked By	BSL
Project Number	120002

Project Phase
ISSUE FOR PERMIT

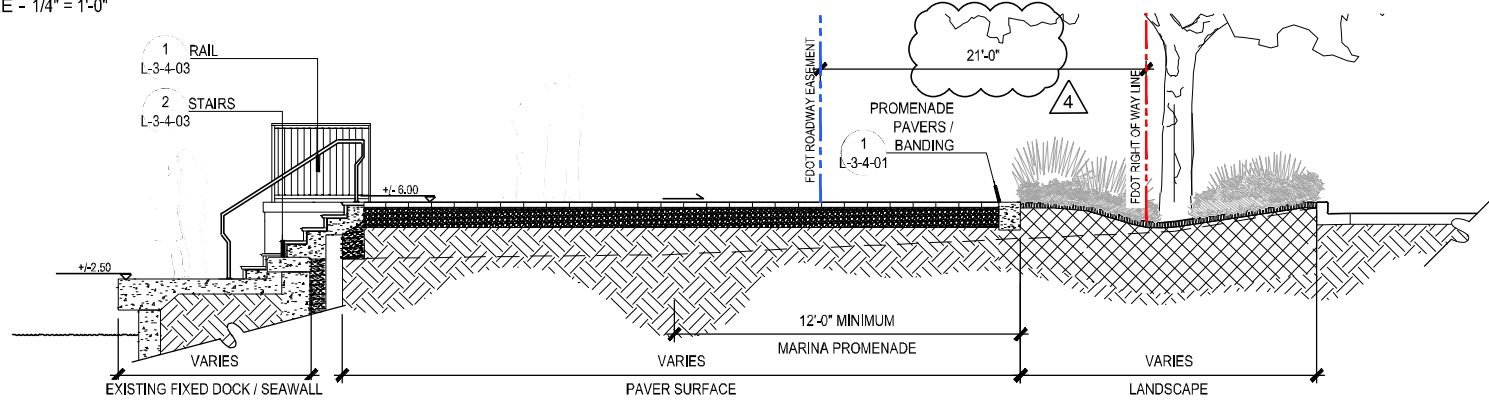
Sheet Title
HARDSCAPE DETAILS - FURNISHING AND SECTION

Revision Number	Sheet Number
4	L3-4-04

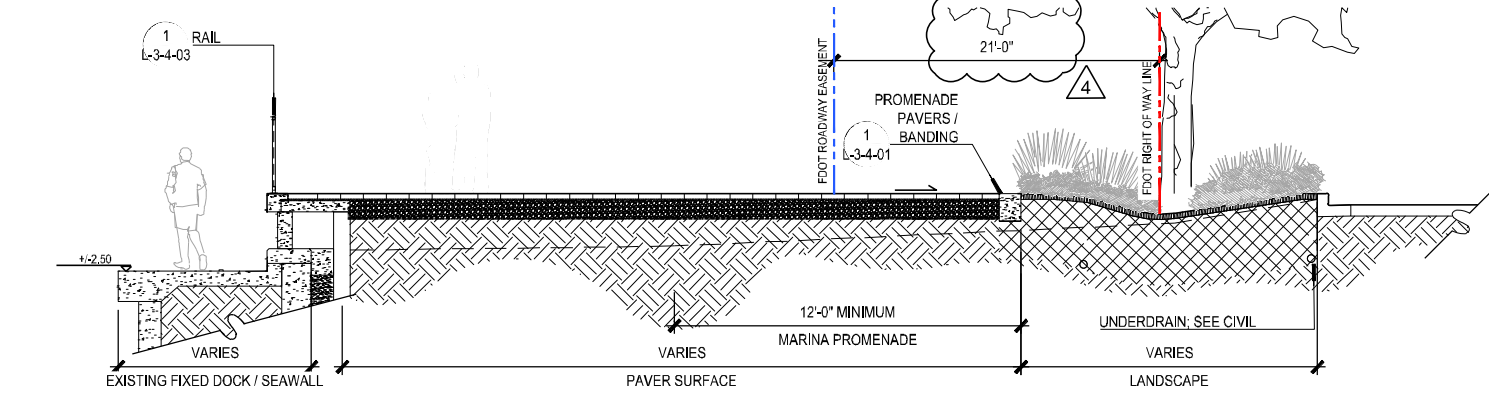
Page 12 of 34



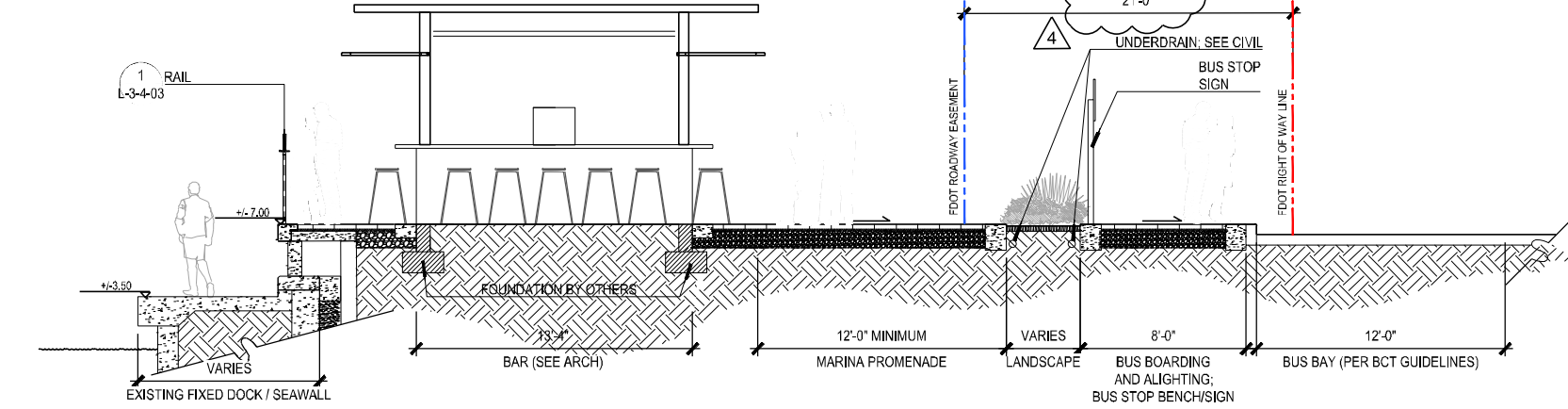
1 SECTION - MARINA PROMENADE AT FIXED DOCK AND KIOSK
SCALE - 1/4" = 1'-0"



2 SECTION - MARINA PROMENADE AT FIXED DOCK WITH STAIRS, TYP.
SCALE - 1/4" = 1'-0"



3 SECTION - MARINA PROMENADE AND FIXED DOCK (NO KIOSK)
SCALE - 1/4" = 1'-0"



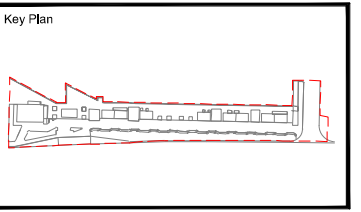
4 SECTION - MARINA PROMENADE AND FIXED DOCK AT BUS STOP
SCALE - 1/4" = 1'-0"

Project Name
BAHIA MAR MARINA VILLAGE

Client
TRR BAHIA MAR LLC

PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN
edsa
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FORT LAUDERDALE, FLORIDA 33301 USA
TEL: 954.524.3330 LCC000001

Consultants
THE CHAPPELL GROUP INC.
ENVIRONMENTAL CONSULTANT
714 EAST MCNAB ROAD
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MEP
500 NE THIRD AVENUE
FORT LAUDERDALE, FLORIDA 33301
CSW STRUCTURAL GROUP
STRUCTURAL ENGINEER
5397 ORANGE DRIVE
SUITE 203
DAVIE, FLORIDA 33314



Rev	Date	Issued for
1	04.11.2022	PERMIT REVISION
2	05.12.2022	ADDENDUM
3	09.23.2022	PERMIT REVISION

Date	09/26/2022
Designed By	DB
Drawn By	LG
Approved / Checked By	BSL
Project Number	120002

Seal

 SEPTEMBER 23, 2022

Project Phase
ISSUE FOR PERMIT

Sheet Title
HARDSCAPE DETAILS - SECTIONS

Revision Number
4
 Sheet Number
L3-4-05
 Page 13 of 34

Drawing name: C:\Users\SECUR1\2022\Bahia Mar Marina Village\EDS\Sub\05-SHEETS\FDOT Permits\02-L3-4-05-HARDSCAPE DETAILS - SECTIONS Oct 12, 2022 11:27am by: lgosob

PC - PAVING / CURBS

SYMBOL	ITEM	DETAIL	DESCRIPTION	SOURCE	NOTES
PC-01	CONCRETE PAVEN	1 / L3-4-01	CONCRETE PLANK PAVERS IN ARTLINE PATTERN. - 33% WINTER MARVEL - 33% FRENCH GRAY - 33% MIDNIGHT SKY	UNLOCK WWW.UNLOCK.COM PH: LAUSTIN PHONE: (412) 551-7884 12500 SHEETS ROAD, RITTMAN, OH 44270	RUNNING BOND. REFER TO PLAN. CONTRACTOR TO INSTALL PER MANUFACTURER'S SPECIFICATIONS. CONTRACTOR TO PROVIDE MOCKUPS FOR LANDSCAPE ARCHITECTS APPROVAL PRIOR TO LAYING PAVERS. 5X5' MIN. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
PC-02	CONCRETE BANDING / COLOR CONCRETE	1 / L3-4-01	CONCRETE PAVING: GRAY CONCRETE WITH INTEGRAL COLOR. COLOR: FRENCH GRAY FINISH: SANDBLAST	LM SCOFIELD SCOTT TRAVIS PHONE: (689) 215-9909 TRAVIS.SCOTT@US.SIKA.COM WWW.SCOFIELD.COM	CONTRACTOR TO PROVIDE MOCKUP OF 1' X 5' SEGMENT WITH PC-01 MOCKUP. CONTRACTOR TO PROVIDE MOCKUP OF 5' X 5' SEGMENT WITH FINISH IN ADDITION TO BANDING MOCKUP.
PC-03	STANDARD GRAY CONCRETE	2 / L3-4-01	STANDARD GRAY CONCRETE FINISH: SPONGE		CONTRACTOR TO PROVIDE MOCKUP OF 5' X 5'

WS - WALLS / STAIRS None w/i FDOT right-of-way

SYMBOL	ITEM	DETAIL	DESCRIPTION	SOURCE	NOTES
WS-01	REINFORCING WALL TYPE 1	2 / L3-4-02	INTEGRAL COLOR CONCRETE STEPS COLOR: FRENCH GRAY FINISH: SANDBLAST	LM SCOFIELD SCOTT TRAVIS PHONE: (689) 215-9909 TRAVIS.SCOTT@US.SIKA.COM WWW.SCOFIELD.COM	
WS-02	SOUTH ADA RAMP	5 / L3-4-03	CAST IN PLACE CONCRETE RAMP. COLOR AND FINISH: - STANDARD GRAY CONCRETE - FINISH: SPONGE		
WS-03	NORTH ADA RAMP	1 / L3-4-02	CAST IN PLACE CONCRETE RAMP. COLOR AND FINISH: - STANDARD GRAY CONCRETE - FINISH: SPONGE		
WS-04	CONCRETE AND PAVEN RAMP	4 / L3-4-02	CAST IN PLACE CONCRETE RAMP WITH CONCRETE PLANK PAVERS AND BANDING. COLOR AND FINISH: CONCRETE PLANK PAVERS IN ARTLINE PATTERN. - 33% WINTER MARVEL - 33% FRENCH GRAY - 33% MIDNIGHT SKY		
WS-05	DOCK ACCESS STAIR TYPE 1	3 / L3-4-03	CONCRETE STEPS WITH PRECAST TREAD PAVEN AND RISERS FINISH: PRE-CAST CONCRETE TO MATCH FINISH OF WS-03 STAIRS COLOR: PRE-CAST CONCRETE TO MATCH COLOR OF WS-03 STAIRS SIZE: - TREAD: 13.5" L x 24" W x 1.5" D - RISER: 5.5" L x 24" W x 1.5" D		
WS-06	DOCK ACCESS STAIR TYPE 2	2 / L3-4-03	CONCRETE STEPS WITH PRECAST TREAD PAVEN AND RISERS FINISH: PRE-CAST CONCRETE TO MATCH FINISH OF WS-03 STAIRS COLOR: PRE-CAST CONCRETE TO MATCH COLOR OF WS-03 STAIRS SIZE: - TREAD: 13.5" L x 24" W x 1.5" D - RISER: 4.2" L x 24" W x 1.5" D	DOCK OFF LEONARDO UZCATEGUI PHONE: (239) 597-7216 LEO@KEROKHOFFSTONE.COM WWW.KEROKHOFFSTONE.COM	
WS-07	CMU WALL	4 / L3-4-01	CMU WALL WITH PRE-CAST CONCRETE CAP FINISH: STUCCO TO MATCH ARCHITECTURE COLOR: STUCCO TO MATCH ARCHITECTURE CAP: PRE-CAST CONCRETE TO MATCH COLOR/FINISH OF PC-02 BANDING		

FG - FENCES / GATES / RAILINGS None w/i FDOT right-of-way

SYMBOL	ITEM	DETAIL	DESCRIPTION	SOURCE	NOTES
FG-01	ALUMINUM RAIL	1 / L3-4-03	CAST ALUMINUM WITH 3/16" SS CABLES. COLOR: DARK BRONZE OR BRONZE TO MATCH ARCHITECTURE FINISH: POWDER COAT		MANUFACTURER TO SUBMIT SHOP DRAWINGS FOR APPROVAL.
FG-01L	ALUMINUM RAIL WITH DRINK LEDGE	1 / L3-4-03	CAST ALUMINUM WITH 3/16" SS CABLES. COLOR: DARK BRONZE OR BRONZE TO MATCH ARCHITECTURE FINISH: POWDER COAT WOOD LEDGE: FINISH TO MATCH ARCHITECTURE		MANUFACTURER TO SUBMIT SHOP DRAWINGS FOR APPROVAL.
FG-02	RAMP RAIL				
FG-03	STAR RAIL	3 / L3-4-03	CAST ALUMINUM. COLOR: DARK BRONZE OR BRONZE TO MATCH ARCHITECTURE POWDER COAT FINISH		MANUFACTURER TO SUBMIT SHOP DRAWINGS FOR APPROVAL.

SF - SITE FURNISHINGS

SYMBOL	ITEM	DETAIL	DESCRIPTION	SOURCE	NOTES
SF-01	SECURITY BOLLARD	1 / L3-4-04	STYLE: HELIX 10304 SECURITY BOLLARD, SERIES 900 FINISH: POWDER COAT COLOR: DARK BRONZE METALLIC TEXTURE TO MATCH ARCHITECTURE.	FORMS AND SURFACES WWW.FORMS-SURFACES.COM	SUBMIT SHOP SAMPLE FOR COLOR APPROVAL.
SF-02	BIKE RACK	2 / L3-4-04	STYLE: MULTIPLICITY 24" W x 6" D x 36" H, 34 LB EACH RACK SUPPORTS (2) BICYCLES	LANDSCAPE FORMS 4311 LAMDALE AVE. KALAMAZOO, MI 49048 WWW.LANDSCAPEFORMS.COM	
SF-03	BIKE PUMP	3 / L3-4-04	ELECTRIC PUBLIC BIKE PUMP. PEDESTAL MOUNTED 120V. COLOR: BROWN RAL 8019 FINISH: POWDER COATED	SARIS INFRASTRUCTURE 2547 37TH AVE S, UNIT 1 MINNEAPOLIS, MN 55406	
SF-04	WASTE RECEPTACLE	4 / L3-4-04	STYLE: MULTIPLICITY DOUBLE LETTER. EMBED MOUNT	LANDSCAPE FORMS 4311 LAMDALE AVE. KALAMAZOO, MI 49048 WWW.LANDSCAPEFORMS.COM	CONTRACTOR TO SUBMIT PLAN LOCATIONS FOR LA & OWNER APPROVAL PRIOR TO INSTALLATION. QTY 10.
SF-05	MANHOLE COVER	5 / L3-4-04	STYLE: PAVEN OR DECKING INLAY	WUNDERCOVERS 3432 DENMARK AVE, STE 214 EAGAN, MN 55123	TO BE COORDINATED WITH UTILITY COMPANIES FOR LABELS NEEDED.

Project Name

BAHIA MAR MARINA VILLAGE

Client

TRR BAHIA MAR LLC

PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN

edsa

1512 E. BROWARD BOULEVARD, SUITE 110
FORT LAUDERDALE, FLORIDA 33301 USA
TEL: 954.524.3330 LCC000001

Consultants

THE CHAPPELL GROUP INC.
ENVIRONMENTAL CONSULTANT
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POMPANO BEACH, FL 33060

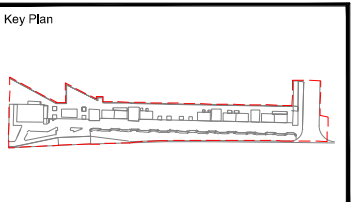
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SEPTEMBER 23, 2022

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Sheet Title

HARDSCAPE SCHEDULE

Revision Number

4

Sheet Number

L3-5-01

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Drawing name: C:\Users\SECARI\Documents\Bahia Mar Marina Village\EDS\Submittals\SCHEDULE\FDOT Permits\L3-5-01-HARDSCAPE SCHEDULE.dwg L3-5-01 - HARDSCAPE SCHEDULE Oct 12, 2022 11:27am by: jlgoods

GENERAL NOTES:

- 1. PRIOR TO PLANTING INSTALLATION, THE CONTRACTOR SHALL CONFIRM THE AVAILABILITY OF ALL THE SPECIFIED PLANT MATERIALS...
2. THE PLANT MATERIAL QUANTITIES SHOWN IN THE CONTRACT DOCUMENTS ARE FOR THE CONVENIENCE OF THE CONTRACTOR...
3. THE OWNERS REPRESENTATIVE SHALL HAVE THE RIGHT AT ANY STAGE OF THE OPERATION TO REJECT ANY PLANT MATERIALS...

SOIL PREPARATION AND SOIL MIX NOTES: (cont.)

- C. SHRUBS/GROUNDCOVERS.....8-10-10 PLUS MINOR ELEMENTS-SLOW RELEASE, 1/2 LB. FERTILIZER PER 100 SQ. FT.
D. LAWNS.....16-4-8 PLUS MINOR ELEMENTS-SLOW RELEASE, 1L3, FERTILIZER PER 1,000 SQ. FT.
E. ENDO AND ECTOMYCORRIZAL INOCULANTS.....DIE HARD OR OWNERS REPRESENTATIVE APPROVED EQUAL.

PLANTING NOTES: (cont.)

- 12. ALL PLANT PITS SHALL BE EXCAVATED TO A WIDTH AND DEPTH AS INDICATED ON THE DRAWINGS.
13. PLANT MATERIALS SHALL BE CENTERED IN THEIR PITS, FACED FOR BEST EFFECT AND SET PLUMB FOR BACKFILLING.
14. SHRUB/GROUNDCOVER PLANTINGS SHOWN IN MASS PLANTING BEDS SHALL BE PLACED ON A TRIANGULAR SPACING CONFIGURATION...

ROADWAY (F.D.O.T.) DESIGN SPEED

- 1. DESIGN SPEED = 35 MPH.

SOIL PREPARATION AND SOIL MIX NOTES:

- 1. PREPARED PLANTING MIX SHALL CONSIST OF THE FOLLOWING:
A. TREES/SHRUBS/GROUNDCOVER.....70% CLEAN BUILDERS SAND, 30% TOPSOIL/PEAT MIX.
B. PALMS.....30% CLEAN BUILDERS SAND, 10% TOPSOIL/PEAT MIX.
C. ANNUALS.....50% CLEAN BUILDERS SAND, 25% PEAT, 25% VERMICULITE.

PLANTING NOTES:

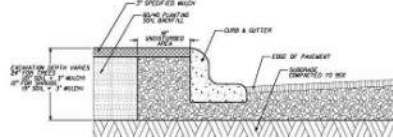
- 1. PRIOR TO THE INSTALLATION OF PLANT MATERIALS, THE CONTRACTOR SHALL CONFIRM IN WRITING TO THE OWNERS REPRESENTATIVE THAT THE FINISHED GRADES IN ALL AREAS WHERE PLANT MATERIALS ARE TO BE INSTALLED CONFORM TO THE PROPOSED GRADES NOTED ON THE GRADING PLANS.
2. PLANTING SHALL NOT COMMENCE UNTIL IRRIGATION HAS BEEN INSTALLED AND IS OPERATIONAL, TREES MAY BE INSTALLED PRIOR TO THE INSTALLATION OF IRRIGATION PROVIDED THAT A HAND WATERING SCHEDULE IS SUBMITTED TO AND APPROVED BY THE OWNERS REPRESENTATIVE.

POST PLANTING NOTES :

- 1. MAINTENANCE:
A. DURING THE PROJECT WORK PERIOD PRIOR TO SUBSTANTIAL COMPLETION ACCEPTANCE, THE CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL.
B. MAINTENANCE DURING THE WORK PERIOD PRIOR TO THE SUBSTANTIAL COMPLETION ACCEPTANCE SHALL CONSIST OF WATERING, CULTIVATING, WEEDING, MULCHING, REMOVAL OF DEAD MATERIAL, REPAIRING/TIGHTENING OF STAKES AND GUYS, RESETTING PLANTS TO PROPER GRADES AND UPRIGHT POSITION AND FURNISHING AND APPLYING SUCH SPRAYS AS NECESSARY TO KEEP PLANT MATERIAL REASONABLY FREE OF DAMAGING INSECTS AND DISEASE.

FDOT PLANTING NOTES, CONT.:

- 1. FOR THE PORTION OF LANDSCAPE PLANT MATERIAL THAT WILL BE INSTALLED WITHIN THE FOOT RIGHT OF WAY REFER TO THE FDOT STANDARD PLANS INDEX 380-001 LANDSCAPE INSTALLATION.
2. ONLINE REFERENCE:
HTTPS://FDOTWWW.BLOB.CORE.WINDOWS.NET/SITEFINITY/DOCS/DEFAULT-SOURCE/DESIGN/STANDARDPLANS/2023/0X/380-001.PDF/IA
3. IT IS RECOMMENDED THAT YOU VERIFY THE EXISTING SOIL CONDITIONS OF MEDIANS TO BE PLANTED PRIOR TO FINALIZING YOUR CONSTRUCTION DOCUMENTS...



FDOT GENERAL NOTES:

- 1. GOVERNING STANDARD PLANS:
FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2021-22 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND APPLICABLE INTERIM REVISIONS (IR) ARE AVAILABLE AT THE FOLLOWING WEBSITE:
HTTPS://WWW.FDOT.GOV/DESIGNSTANDARDPLANS
2. GOVERNING STANDARD SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION, JANUARY 2022 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE:
HTTPS://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS

FDOT GENERAL NOTES, CONT.:

- 5. ARCHITECTURAL PAVERS INSTALLATION FOR SIDEWALKS, MEDIANS, DRIVEWAYS, OR ROADWAYS WITHIN THE FDOT RIGHT OF WAY SHALL COMPLY WITH CURRENT FDOT STANDARD SPECIFICATION 526.
ONLINE REFERENCE:
HTTPS://FDOTWWW.BLOB.CORE.WINDOWS.NET/SITEFINITY/DOCS/DEFAULT-SOURCE/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS/JANUARY-2022/JANUARY2022-EBOOK.PDF?SVRSN=752D1333_4
6. 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...

FDOT PLANTING NOTES:

- 1. FOR THE PORTION OF LANDSCAPE PLANT MATERIAL THAT WILL BE INSTALLED WITHIN THE FOOT RIGHT OF WAY LANDSCAPE INSTALLATION SHALL COMPLY WITH CURRENT APPLICABLE FDOT MAINTENANCE SPECIFICATION 360.
ONLINE REFERENCE:
HTTPS://FDOTWWW.BLOB.CORE.WINDOWS.NET/SITEFINITY/DOCS/DEFAULT-SOURCE/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS/JANUARY2022/SMS60000WD-122.PDF?SVRSN=414B7013_2

Project Name
BAHIA MAR MARINA VILLAGE

Client
TRR BAHIA MAR LLC

edsa
PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN
1512 E. BROWARD BOULEVARD, SUITE 110 FORT LAUDERDALE, FLORIDA 33301 USA TEL: 954.524.3330 LCC000001

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THE CHAPPELL GROUP INC. ENVIRONMENTAL CONSULTANT
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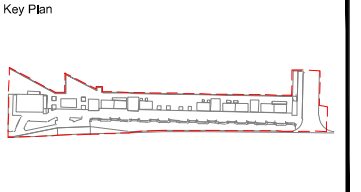


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Seal
FLORIDA LANDSCAPE ARCHITECTURE BOARD
SEPTEMBER 23, 2022

Project Phase
ISSUE FOR PERMIT

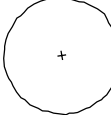
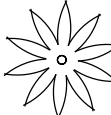





LANDSCAPE NOTES

Revision Number 4
Sheet Number L5-0-01
Page 15 of 34

Drawing Name: C:\Users\SECARI\120002_Bahia Mar Marina Village\EDS\468-06-SHEETS\FDOT Permits\0024-L5-01-LANDSCAPE DETAIL.dwg L5-01 - LANDSCAPE NOTES Oct 12, 2022 11:22am by jggoode

BAHIA MAR MARINA VILLAGE - PLANT LIST								
QTY	CODE	BOTANICAL NAME	COMMON NAME	CONTAINER	SIZE	CALIPER	NATIVE	SPECIFICATIONS
12	CANOPY/SHADE TREES CE	Conocarpus erectus	Green Buttonwood	B&B PPG	10.5 CT, 18" HGT. x 10" SPD.	8" Cal Min.	YES	PG - LA to approve source
45	CNX-9	Cocos nucifera "Green Malaysian"	Green Malaysian Coconut	B&B	10" CT	9" Cal	YES	9" Cal/ 12 Fronds min./ Heavy/ C.W. per plants/ FG
9	CNX-14	Cocos nucifera "Green Malaysian"	Green Malaysian Coconut	B&B	14.5 CT	9" Cal	YES	9" Cal/ 12 Fronds min./ Heavy/ C.T. per plants/ FG

LEGEND

-  CANOPY / SHADE TREES
-  LARGE PALMS
-  ACCENT UP LIGHTS
-  TREE MOUNTED DOWN LIGHTS
-  A1A STREET LIGHTS
-  PEDESTRIAN POST LIGHT
-  RECEPTACLE DUPLEX GFI

Project Name
BAHIA MAR MARINA VILLAGE

Client
TRR BAHIA MAR LLC

Consultants
 edsa
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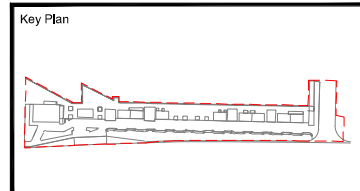
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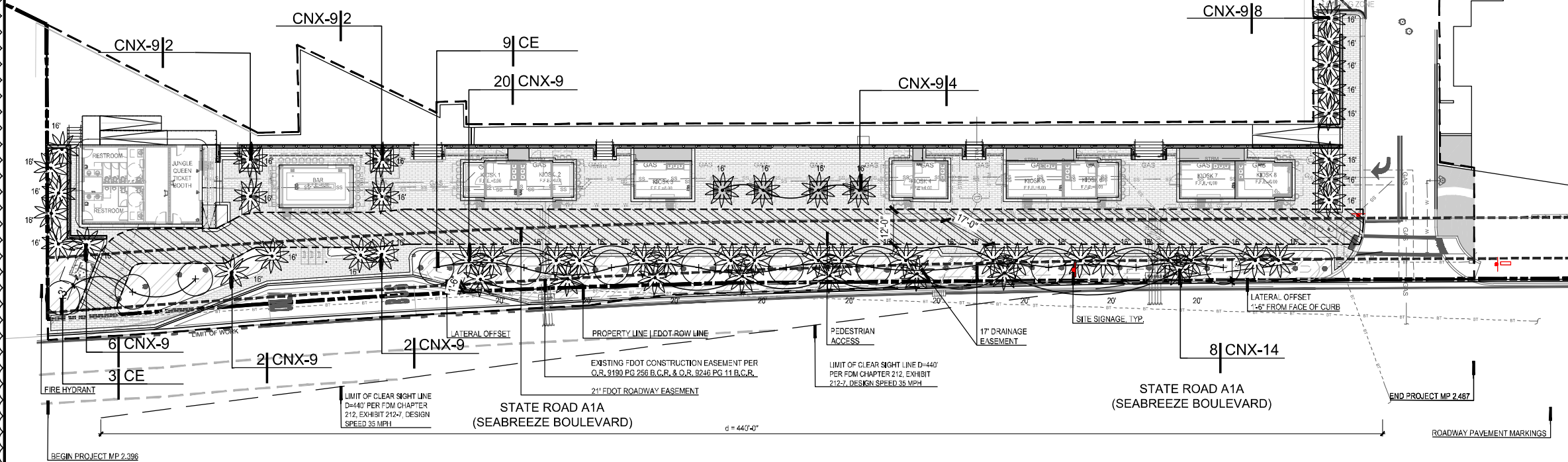
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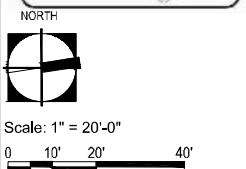
Project Phase: ISSUE FOR PERMIT

Sheet Title: TREE PLAN AND SCHEDULE

Revision Number: 4
 Sheet Number: L5-1-01
 Page 16 of 34

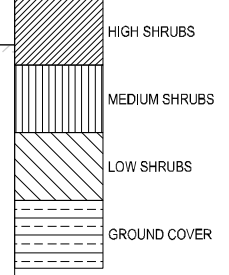


NOTE: PALMS PREVIOUSLY PROPOSED IN DRC APPROVED PLAN ALONG WEST SIDE OF KIOSKS HAVE BEEN ELIMINATED DUE TO CONFLICT WITH RETAINING WALL FOUNDATION. PROPOSED LANDSCAPE STILL MEETS AND EXCEEDS MINIMUM LANDSCAPE REQUIREMENTS.



BAHIA MAR MARINA VILLAGE - CD PLANT LIST					
QTY	CODE	BOTANICAL NAME	COMMON NAME	NATIVE	SPECIFICATIONS
SHRUBS-HIGH					
170	LHR	<i>Chrysocarpus coccineus</i>	Red Tip Coccoloba	YES	18" O.A./ 3 Gal/ 24" O.C./ Full
258	CLR	<i>Clusia rosea 'Nana'</i>	Dwarf Patch Apple	YES	18" O.A./ 3 Gal/ 24" O.C./ Full
16	CLG	<i>Clusia guineensis</i>	Small Leaf Clusia	NO	18" O.A./ 3 Gal/ 24" O.C./ Full
SHRUBS MEDIUM					
184	COE	<i>Coccoloba erectus 'sericeus'</i>	Silver Bullfinch	YES	24" H. x 18" Sp. / 3 Gal/ 24" O.C./ Full
485	ZAM	<i>Zamia floridana</i>	Coccoloba	YES	18" H. / 3 Gal/ 24" O.C.
SHRUBS-LOW					
353	LIR	<i>Liriodendron laetifolium</i>	Spider Lily	YES	12" H. / 1 Gal/ 18" O.C.
445	MUH	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	YES	18" H. / 3 Gal/ 24" O.C.
210	TRF	<i>Tripsacum dactyloides</i>	Pinkhalchae Grass	YES	30" H. / 3 Gal/ 36" O.C.
267	LIR	<i>Liriodendron laetifolium</i>	Nickel Lilyturf	NO	12" H. / 1 Gal/ 12" O.C.

LEGEND



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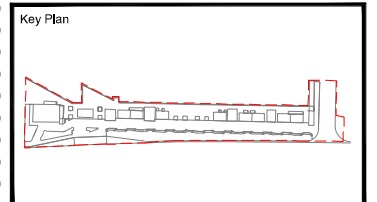
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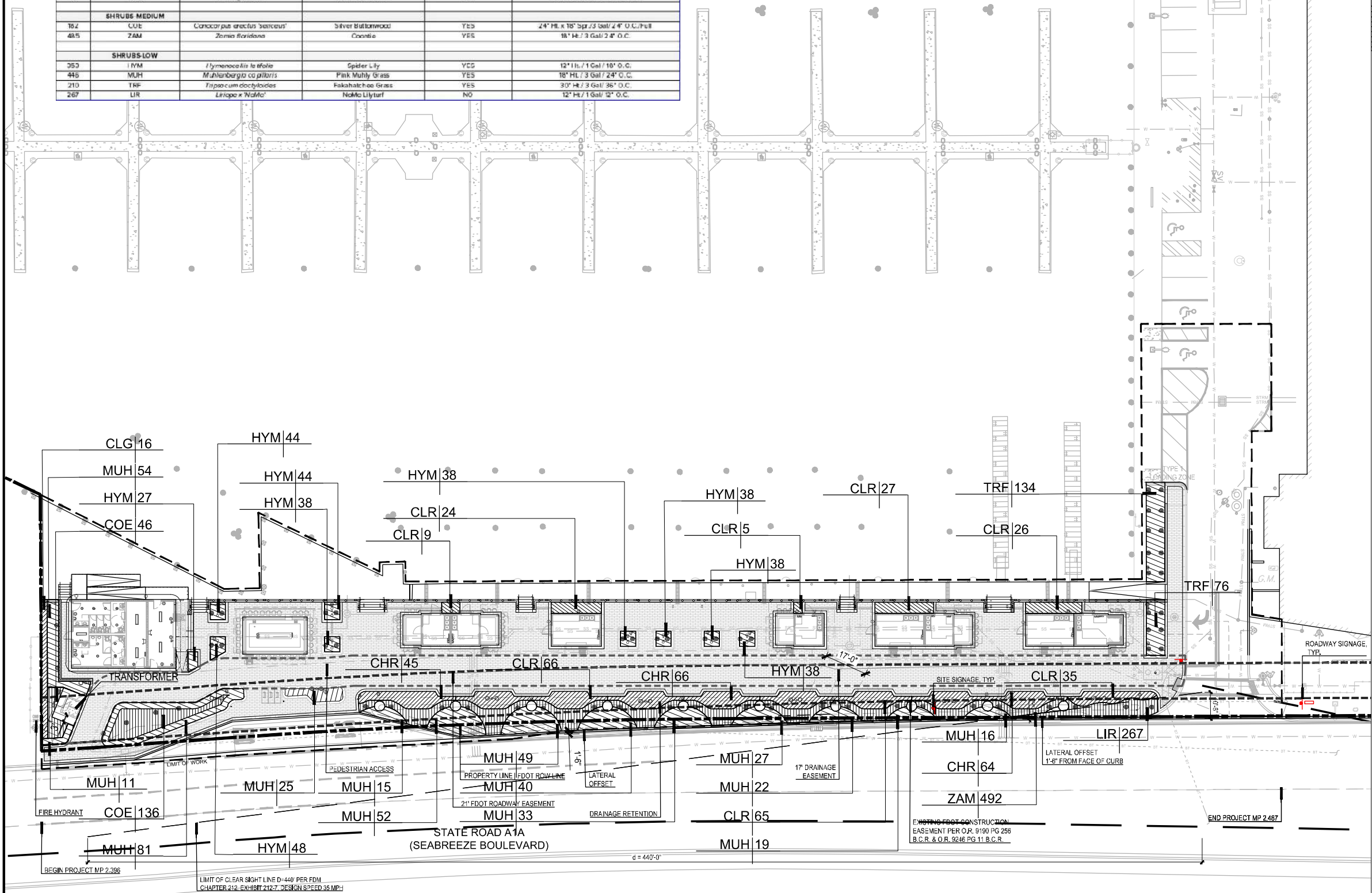
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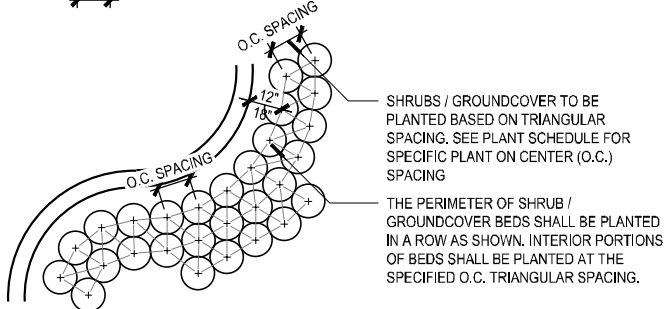
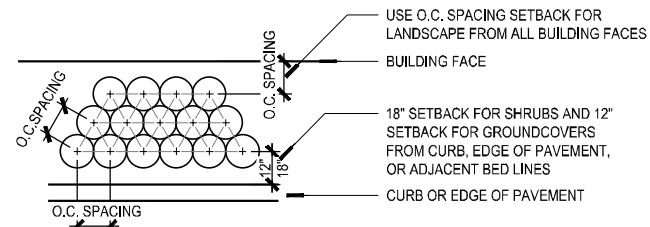
Project Phase
 ISSUE FOR PERMIT

Sheet Title
SHRUB PLAN AND SCHEDULE

Revision Number: 4
 Sheet Number: L6-1-01
 Page 17 of 34

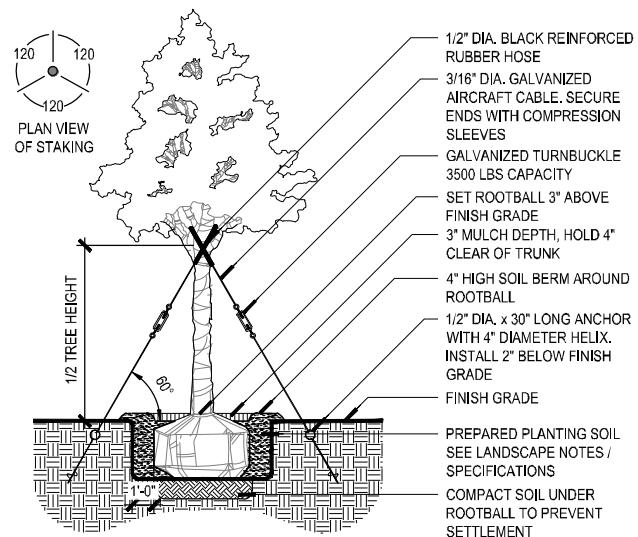


Drawing name: C:\Users\SECAR\120002_Bahia Mar Marina Village\EDS\Submittals\PERMITS\DOT\Permit\092622\16-1-01-SHRUB PLAN AND SCHEDULE - 04.12.2022 - 11:22am by:lgpado



1 SHRUB OR GROUNDCOVER SPACING
SCALE - 3/4" = 1'-0"

2 SHRUB OR GROUNDCOVER PLANTING
SCALE - 3/4" = 1'-0"

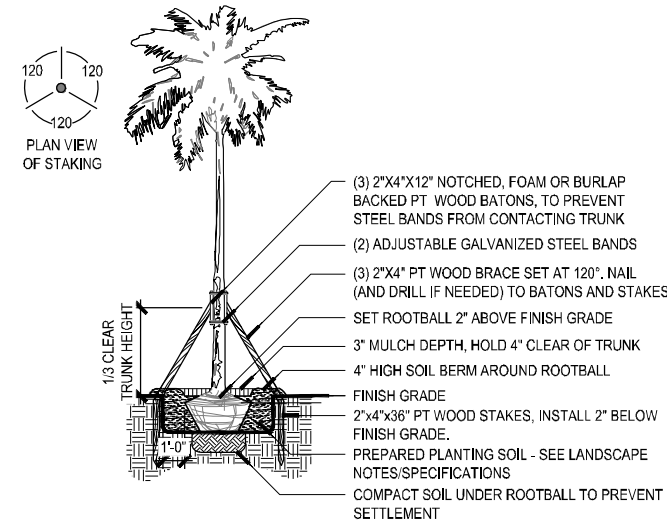


3 CANOPY/SHADE TREE STAKING 3-7 CALIPER
SCALE - 3/4" = 1'-0"

NOTE:
- CONTRACTOR TO DELINEATE OUTLINE OF PLANTING BEDS FOR REVIEW AND APPROVAL BY OWNER'S REPRESENTATIVE.
- CONTRACTOR TO ASSURE PERCOLATION IN ALL PLANTING BEDS PRIOR TO INSTALLATION (SEE LANDSCAPE NOTES / SPECIFICATIONS)

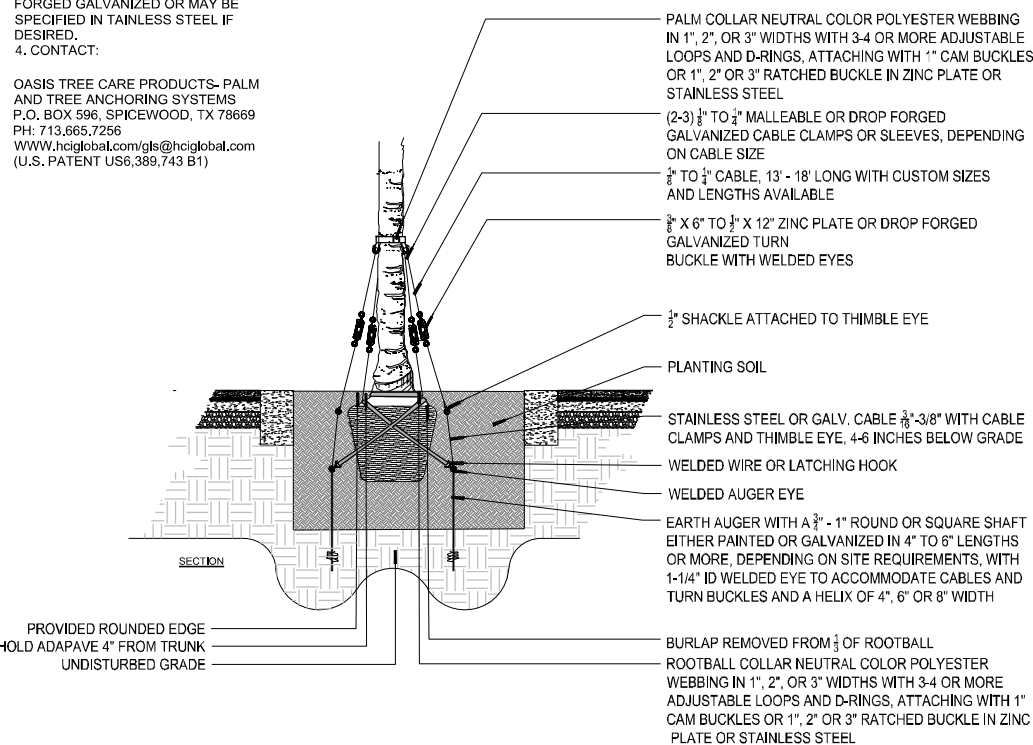
NOTE:
- CONTRACTOR TO DELINEATE OUTLINE OF PLANTING BEDS FOR REVIEW AND APPROVAL BY OWNER'S REPRESENTATIVE.
- CONTRACTOR TO ASSURE PERCOLATION IN ALL PLANTING BEDS PRIOR TO INSTALLATION (SEE LANDSCAPE NOTES / SPECIFICATIONS)

NOTE:
- CONTRACTOR TO STAKE LOCATION OF TREES FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION
- CONTRACTOR TO ASSURE PERCOLATION IN ALL PLANTING BEDS PRIOR TO INSTALLATION (SEE LANDSCAPE NOTES / SPECIFICATIONS)
- ALL TREES TO BE SET PLUMB IN PLANTING PIT



4 SMALL PALM STAKING
SCALE - 3/4" = 1'-0"

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 3/4" 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 SPECIFIC 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/gls@hciglobal.com
(U.S. PATENT US6,389,743 B1)



5 LARGE PALM STAKING
SCALE - 3/8" = 1'-0"

NOTE:
- CONTRACTOR TO STAKE LOCATION OF PALMS FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION
- CONTRACTOR TO ASSURE PERCOLATION IN ALL PLANTING BEDS PRIOR TO INSTALLATION (SEE LANDSCAPE NOTES / SPECIFICATIONS)
- ALL PALMS TO BE SET PLUMB IN PLANTING PIT

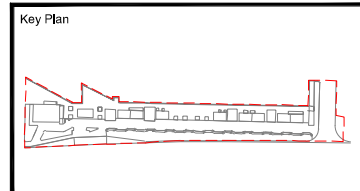
ROOTBALL COLLAR NEUTRAL COLOR POLYESTER WEBBING IN 1", 2", OR 3" WIDTHS WITH 3-4 OR MORE ADJUSTABLE LOOPS AND D-RINGS, ATTACHING WITH 1" CAM BUCKLES OR 1", 2" OR 3" RATCHET BUCKLE IN ZINC PLATE OR STAINLESS STEEL
BURLAP REMOVED FROM 1/3 OF ROOTBALL
WELDED WIRE OR LATCHING HOOK
WELDED AUGER EYE
EARTH AUGER WITH A 3/4" - 1" ROUND OR SQUARE SHAFT EITHER PAINTED OR GALVANIZED IN 4" TO 6" LENGTHS OR MORE, DEPENDING ON SITE REQUIREMENTS, WITH 1-1/4" ID WELDED EYE TO ACCOMMODATE CABLES AND TURN BUCKLES AND A HELIX OF 4", 6" OR 8" WIDTH
PALM COLLAR NEUTRAL COLOR POLYESTER WEBBING IN 1", 2", OR 3" WIDTHS WITH 3-4 OR MORE ADJUSTABLE LOOPS AND D-RINGS, ATTACHING WITH 1" CAM BUCKLES OR 1", 2" OR 3" RATCHET BUCKLE IN ZINC PLATE OR STAINLESS STEEL
(2-3) 1/2" TO 3/4" MALLEABLE OR DROP FORGED GALVANIZED CABLE CLAMPS OR SLEEVES, DEPENDING ON CABLE SIZE
3/4" TO 1" CABLE, 13' - 18' LONG WITH CUSTOM SIZES AND LENGTHS AVAILABLE
3/8" X 6" TO 1/2" X 12" ZINC PLATE OR DROP FORGED GALVANIZED TURN BUCKLE WITH WELDED EYES
1/2" SHACKLE ATTACHED TO THIMBLE EYE
PLANTING SOIL
STAINLESS STEEL OR GALV. CABLE 3/8"-3/8" WITH CABLE CLAMPS AND THIMBLE EYE, 4-6 INCHES BELOW GRADE
WELDED WIRE OR LATCHING HOOK
WELDED AUGER EYE
EARTH AUGER WITH A 3/4" - 1" ROUND OR SQUARE SHAFT EITHER PAINTED OR GALVANIZED IN 4" TO 6" LENGTHS OR MORE, DEPENDING ON SITE REQUIREMENTS, WITH 1-1/4" ID WELDED EYE TO ACCOMMODATE CABLES AND TURN BUCKLES AND A HELIX OF 4", 6" OR 8" WIDTH
BURLAP REMOVED FROM 1/3 OF ROOTBALL
ROOTBALL COLLAR NEUTRAL COLOR POLYESTER WEBBING IN 1", 2", OR 3" WIDTHS WITH 3-4 OR MORE ADJUSTABLE LOOPS AND D-RINGS, ATTACHING WITH 1" CAM BUCKLES OR 1", 2" OR 3" RATCHET BUCKLE IN ZINC PLATE OR STAINLESS STEEL

Project Name
BAHIA MAR MARINA VILLAGE

Client
TRR BAHIA MAR LLC

PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN
edsa
1512 E. BROWARD BOULEVARD, SUITE 110 FORT LAUDERDALE, FLORIDA 33301 USA
TEL: 954.524.3330 LCC000001

Consultants
THE CHAPPELL GROUP INC. ENVIRONMENTAL CONSULTANT 714 EAST MCNAB ROAD POMPANO BEACH, FL 33060
KIMLEY HORN ASSOCIATES CIVIL ENGINEER 615 SOUTH CONGRESS AVENUE SUITE 201 DELRAY BEACH, FL 33446
KOBI KARP ARCHITECTURE / INTERIOR DESIGN CONSULTANT 3 DISCIPLINE 2915 Biscayne Boulevard Suite 200 Miami, FL 33137
IDDI CONSULTANT 1 DISCIPLINE 5100 NORTH DIXIE HIGHWAY FORT LAUDERDALE, FL 33334
FELLER ENGINEERING MEP 500 NE THIRD AVENUE FORT LAUDERDALE, FLORIDA 33301
CSW STRUCTURAL GROUP STRUCTURAL ENGINEER 5397 ORANGE DRIVE SUITE 203 DAVIE, FLORIDA 33314



Rev	Date	Issued for
△		
△		
△		

Date	09/26/2022
Designed By	DB
Drawn By	LG
Approved / Checked By	BSL
Project Number	120002

Seal
SEPTEMBER 23, 2022

Project Phase
ISSUE FOR PERMIT

Sheet Title
LANDSCAPE DETAILS

Revision Number
4

Sheet Number
L6-4-01
Page 18 of 34

Drawing name: C:\Users\SECAR\120002_Bahia Mar Marina Village\EDS\Sub\05-SHEETS\FDOT Permits\002-L6-4-01-SCAPE.dwg L6-4-01 LANDSCAPE DET.MS Oct 12, 2022 11:23am by:lgpooole

1175 NE 125 STREET, SUITE 102
NORTH MIAMI, FL 33161



EDSA
LAND PLANNER / LANDSCAPE ARCHITECT
1512 E. BROWARD BOULEVARD, SUITE 110
FORT LAUDERDALE, FLORIDA 33301 USA
TEL: 954.524.3330
www.edsaplan.com
LCC000001
PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN

ARCHITECT
KOBİ KARP ARCHITECTURE
AND INTERIOR DESIGN, INC.
2915 BISCAYNE BLVD #200
MIAMI, FL 33137

CIVIL ENGINEER
FLYNN ENGINEERING SERVICES
241 COMMERCIAL BLVD.
LAUDERDALE-BY-THE-SEA
FL 33308

TRAFFIC ENGINEER
TRAF TECH ENGINEERING INC
8400 N UNIVERSITY DR # 307
POMPANO BEACH, FL 33321

ISSUED FOR PERMIT 02-15-21

Date:	FEBRUARY 15th 2021
Project Manager:	G.B.
Drawn By:	I.K.
Principal in Charge:	E.K.
Project No:	116102



Scale: 1"=30'

Seal:

NOTES:
1. POLE LIGHTS PROVIDED WITH 2 SETS OF LEDS - AMBER AND WHITE - TO BE CONTROLLED BY ASTRONOMICAL TIME CLOCK TO CHANGE COLOR ACCORDING TO SEA TURTLES NESTING PERIOD. EACH LED DRIVER REQUIRES SEPARATE CIRCUIT.

RECEPTACLES MOUNTED IN PLANTER. ALL OUTDOOR RECEPTACLES TO BE OF WEATHER RESISTANT CONSTRUCTION, GFCI PROTECTED AND EQUIPPED WITH WEATHERPROOF "WHILE IN USE" COVER.

TERMINATE WIRING FOR FUTURE CANOPY LIGHTING AT J-BOX W/BLANK COVER PLATE @6" BELOW TOP (TYPICAL)

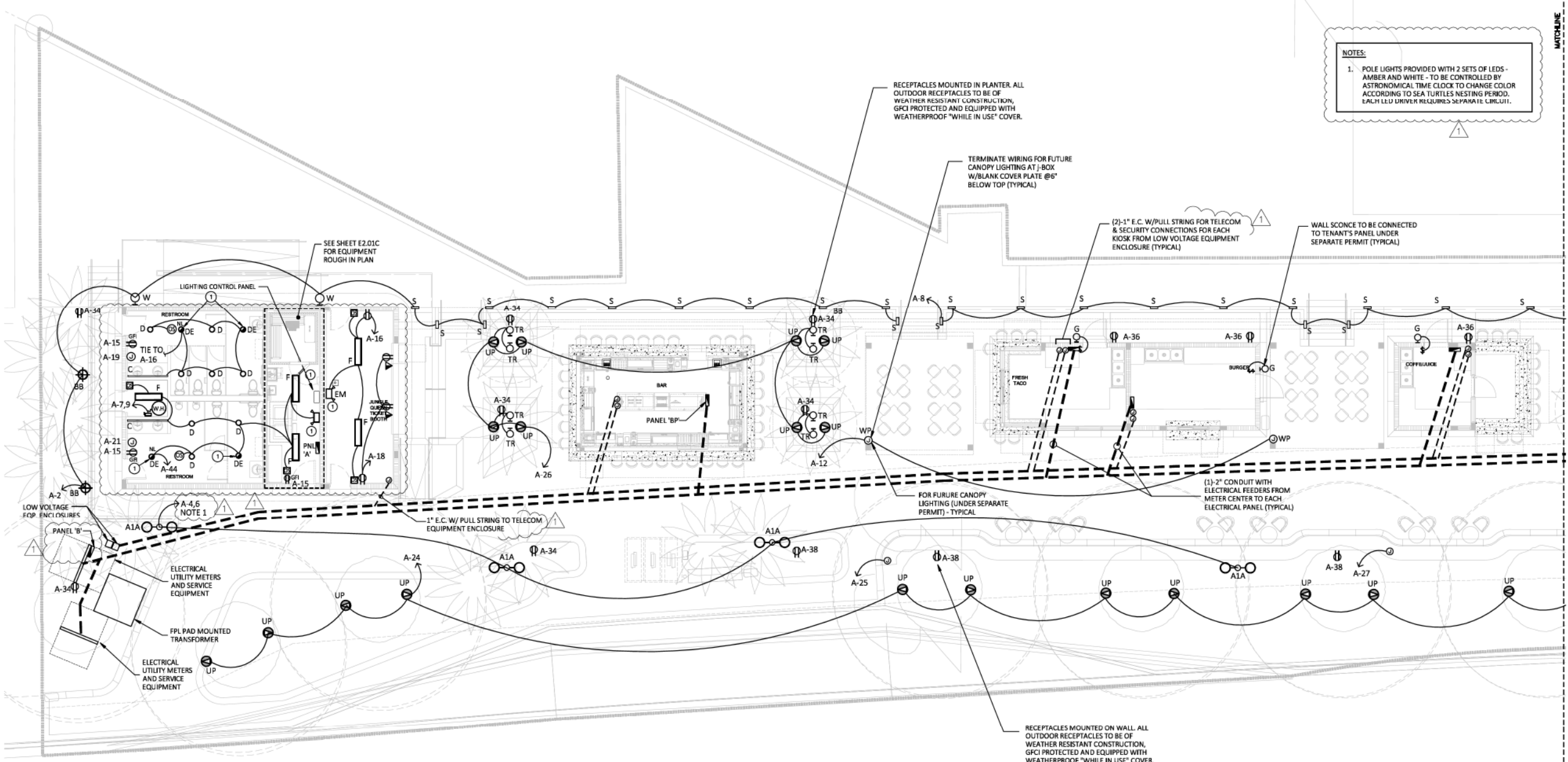
(2)-1" E.C. W/PULL STRING FOR TELECOM & SECURITY CONNECTIONS FOR EACH KIOSK FROM LOW VOLTAGE EQUIPMENT ENCLOSURE (TYPICAL)

WALL SCONCE TO BE CONNECTED TO TENANT'S PANEL UNDER SEPARATE PERMIT (TYPICAL)

FOR FUTURE CANOPY LIGHTING (UNDER SEPARATE PERMIT) - TYPICAL

(1)-2" CONDUIT WITH ELECTRICAL FEEDERS FROM METER CENTER TO EACH ELECTRICAL PANEL (TYPICAL)

RECEPTACLES MOUNTED ON WALL. ALL OUTDOOR RECEPTACLES TO BE OF WEATHER RESISTANT CONSTRUCTION, GFCI PROTECTED AND EQUIPPED WITH WEATHERPROOF "WHILE IN USE" COVER.

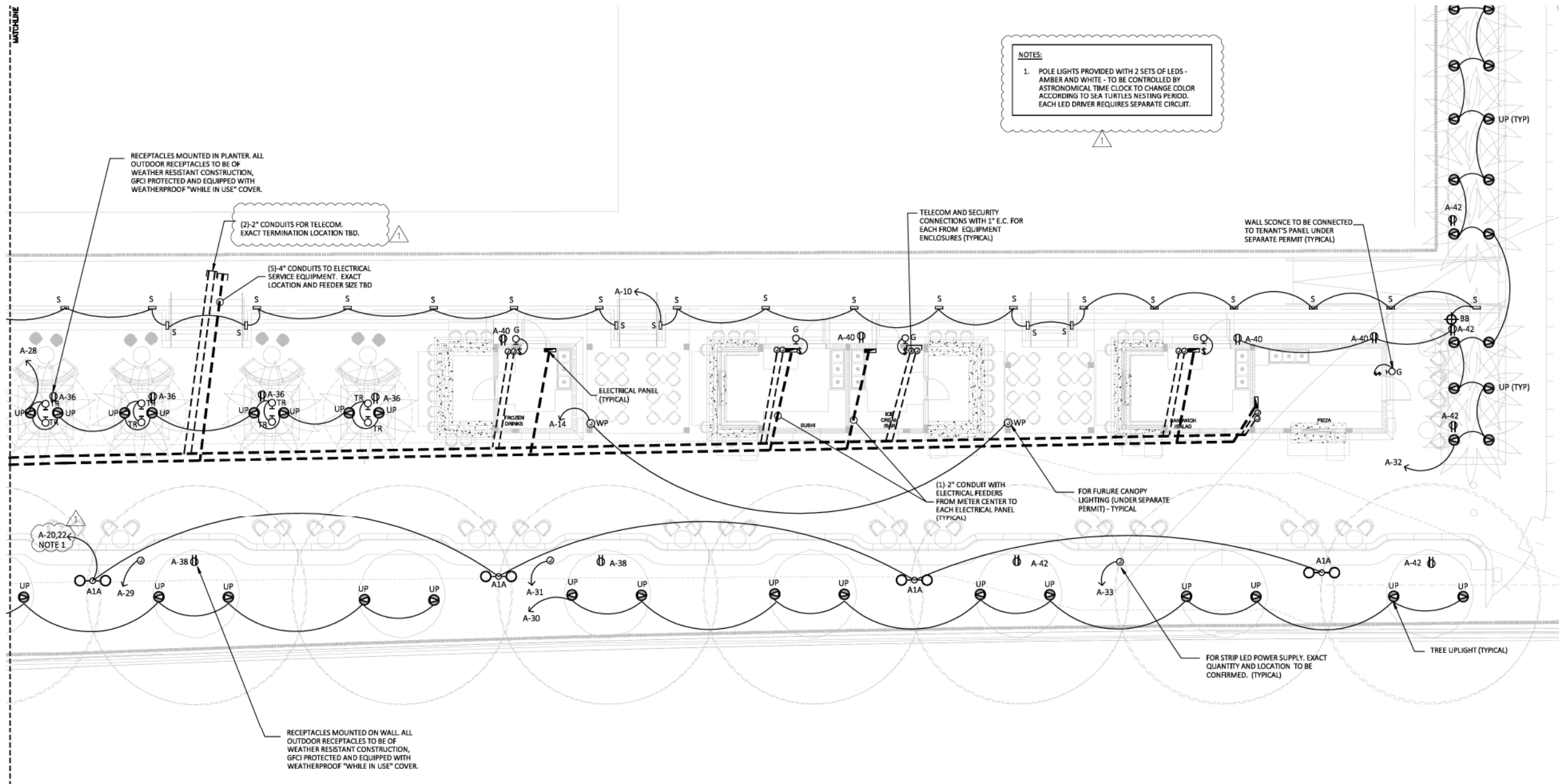


SITE PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"

KEY NOTES:
1. CONNECT BATTERY PACK TO CIRCUIT AHEAD OF LIGHTING CONTROLS (TYPICAL)

FELLER ENGINEERING
Edward J. Krantz P.E. Reg. # 49453
Certificate of Authorization # 00003427
500 N.E. THIRD AVENUE
FORT LAUDERDALE, FLORIDA 33301
PH: 954-467-1402 FAX: 954-467-5752
e-mail: feller@fellerpe.com
JOB #20035

E2.01A



SITE PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"

1175 NE 125 STREET, SUITE 102
NORTH MIAMI, FL 33161



LAND PLANNER / LANDSCAPE ARCHITECT
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FL 33308

TRAFFIC ENGINEER
TRAF TECH ENGINEERING INC
8400 N UNIVERSITY DR # 307
POMPANO BEACH, FL 33321

ISSUED FOR PERMIT 02-15-21

Date: FEBRUARY 15th 2021
Project Manager: G.B.
Drawn By: I.K.
Principal in Charge: E.K.
Project No: 116102



Scale: 1"=30'

Seal:

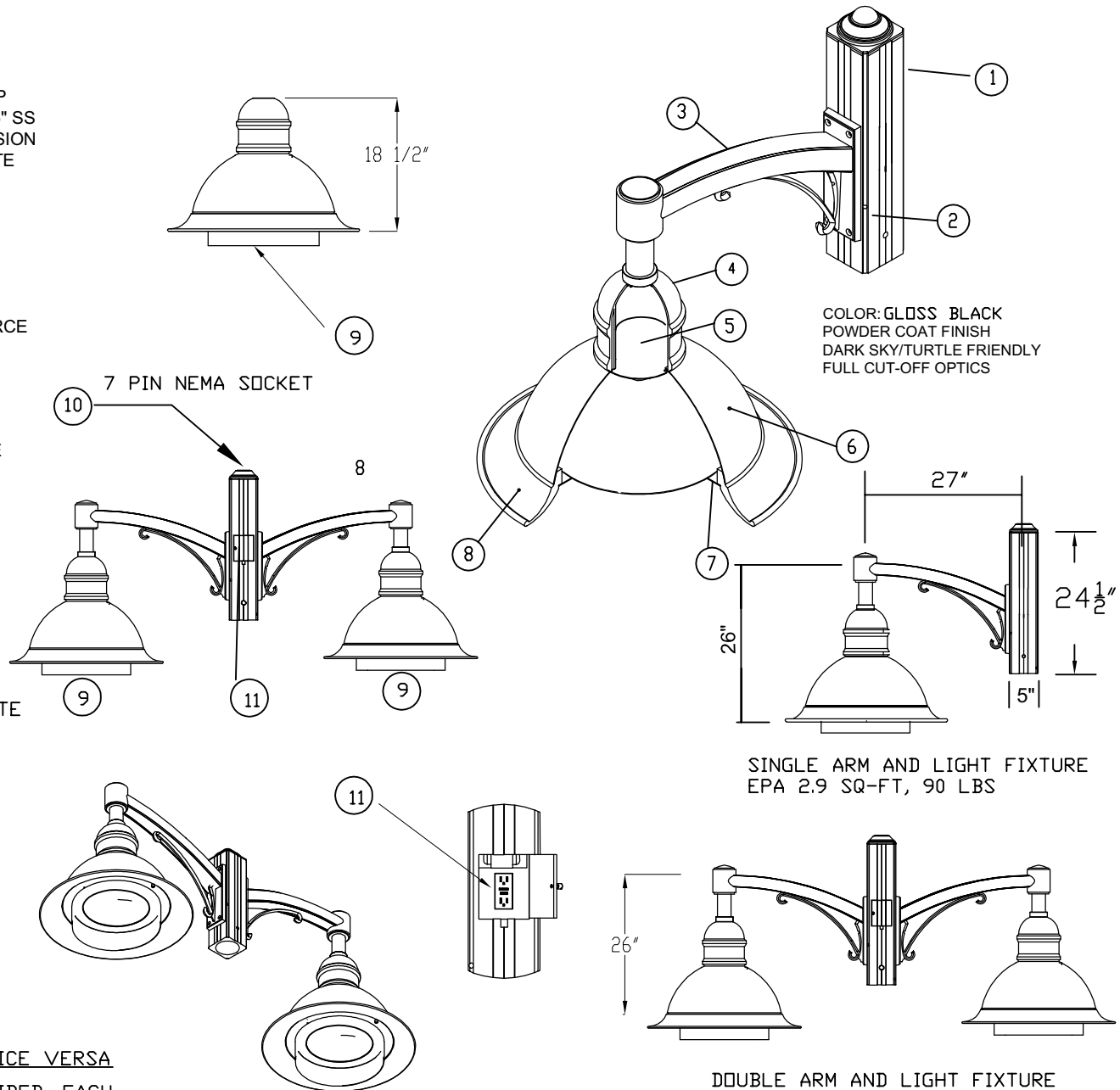
FELLER ENGINEERING
Edward J. Kratz P.E. Reg. # 49453
Certificate of Authorization # 00003427
500 N.E. THIRD AVENUE
FORT LAUDERDALE, FLORIDA 33301
PH: 954.467.1402 FAX: 954.467.5752
e-mail: ed@fellerpe.com
JOB #20035

E2.01B

Date: 02/15/2021 10:57:00 AM
 User: E:\Users\ed@fellerpe.com\Documents\116102\116102.dwg
 Plot: 116102.dwg
 Plot Date: 02/15/2021 10:57:00 AM
 Plot Time: 10:57:00 AM
 Plot User: ed@fellerpe.com
 Plot Device: HP DesignJet T1100e

NOTES:

- 1 CENTRAL TUBING TOP COVER CAST ALUMINUM WITH (2) 1/4" X 20 SS SET SCREWS
- 2 CAST ALUMINUM SQUARE CENTRAL TUBING TO FIT POLE TOP TENON 4" DIA. X 8", (4) 3/8-16-SS SET SCREWS & (1) 1/2"-13 X 5" SS MACHINE SCREW THREADED TO CENTRAL TUBING FOR TORSION ROTATION- CONTRACTOR SHALL DRILL TENON PER TEMPLATE PROVIDED BY ARTEC MANUFACTURING, LLC
- 3 CAST ALUMINUM ARM WITH DECORATIVE SCROLL BOLTED TO CAST CENTRAL TUBING & 1-1/4" SS NIPPLE THREADED INTO ARM AND SECURED WITH LOCKNUT INSIDE FIXTURE HOUSING
- 4 CAST ALUMINUM DRIVER HOUSING- LED DRIVER MOUNTS INSIDE ELECTRICAL COMPARTMENT AWAY FROM HEAT SOURCE
- 5 LED DRIVERS. MOUNT INSIDE ELECTRICAL COMPARTMENT AWAY FROM HEAT SOURCE. INDEPENDENT FROM LED LIGHT ENGINE CAN BE REPLACED OR UPGRADED VOLTAGE 120-277 V, 72 WATTS. ONE SET OF DRIVERS FOR THE AMBER LEDS AND ONE SET OF DRIVERS FOR THE WHITE LEDS.
- 6 FORMED ALUMINUM HOUSING- HOUSES TWO TIER LED ARRAYS, VERTICAL AND HORIZONTAL AIMING ANGLES, ASSYMMETRICAL DISTRIBUTION WITH NO LIGHT DIRECTED TOWARDS THE HOUSE SIDE-
OPTION OF HAVING A DUAL SET OF LEDS, AMBER FOR TURTLE NESTING SEASON AND 3000K WHITE FOR NON TURTLE NESTING SEASON.
LEDs USED - AMBER COLOR - CREE X LAMP XP-E AMBER WAVELENGTH RANGE 585-595 nm FOR WHITE OPTION - CREE XPE, 3000K WARM WHITE
- 7 TEMPERED FLAT FROSTED OR CLEAR GLASS LENS
- 8 CAST ALUMINUM LOWER FRAME
- 9 EXTERNAL SHIELD, 180 DEG. x 4" HEIGHT BACK SIDE OF FIXTURE
- 10 7 PIN NEMA SOCKET
- 11 CAST ALUMINUM IN-USE DOOR FOR GFCI, DUPLEX GFCI RECEPTACLE



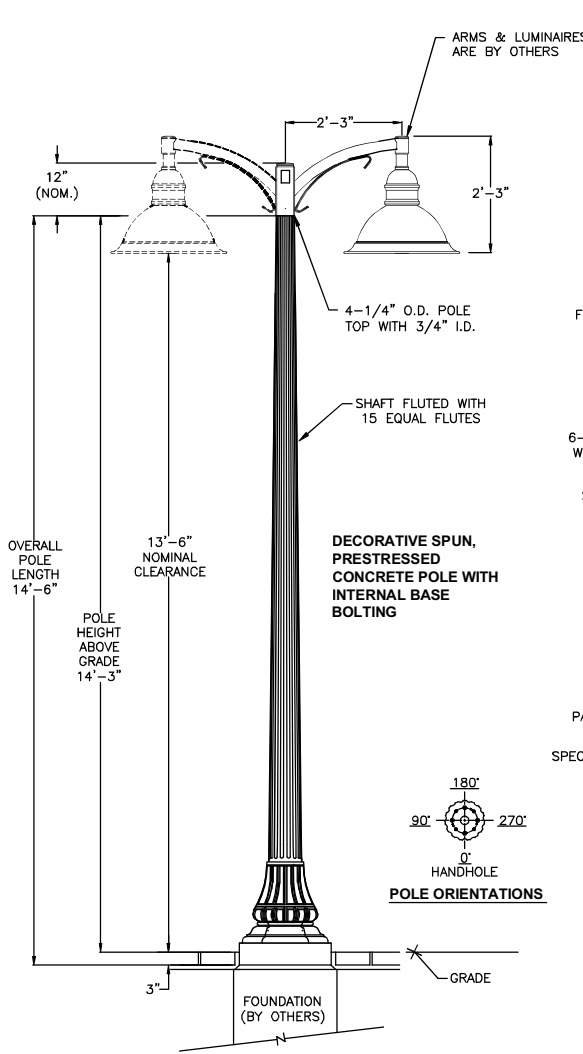
OPTIONS FOR SWITCHING FROM AMBER TO WHITE AND VICE VERSA

TWO SEPARATE POWER SUPPLY CONNECTIONS ARE PROVIDED, EACH CONNECTION, ONE FOR THE AMBER LEDS AND ONE FOR THE WHITE LEDS IS ATTACHED TO THEIR RESPECTIVE DRIVERS.

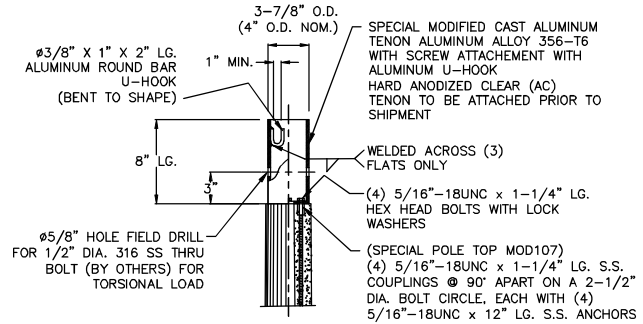
REMOTE CONTROL OPERATION: USING AN INTELLIGENT CONTROL SYSTEM, MUST COORDINATE BETWEEN CONTROL SYSTEM MANUFACTURER AND ARTEC

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ARTEC MANUFACTURING, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ARTEC MANUFACTURING, LLC IS PROHIBITED.

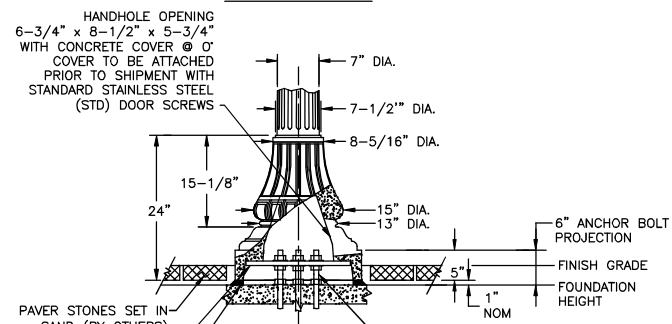
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: MACH ±1/2° BEND ±1° TWO PLACE DECIMAL ± 0.02 THREE PLACE DECIMAL ± 0.005		DATE	ARTEC MANUFACTURING, LLC 699 West 17 Street Hialeah FL 33010 Tef: 305-888-4345; Fax: 305-888-4374
MATERIAL	DRAWN: RB	5-5-2020	TITLE: AMBER AND WHITE LED ASSEMBLY CITTA-FLL-72WLED AMBER/WHITE-TRLE-120/277V WITH 180 DEG. BACK SHIELD
FINISH	ENG APPR.		DWG. NO. AMF-1000150-01-AMB/WHT
	MFG APPR.		SCALE: NTS
	Q.A.		Page 22 of 54



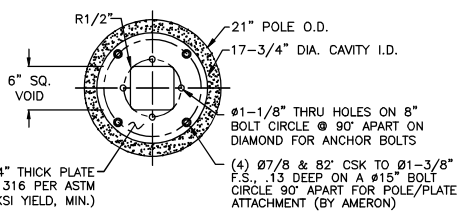
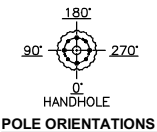
****TENON IS TO BE COMPLETELY COVERED BY THE LUMINAIRE, THUS, THERE IS NO NEED TO ADD PAINT TO THE CASTING****



TOP MOUNT DETAIL



BASE DETAIL



BOTTOM VIEW WITH SPECIAL ADJUSTER PLATE

COMPLIANCE TO ANY CODE NOT EXPLICITLY LISTED ON THIS DRAWING IS NOT GUARANTEED. PLEASE CONTACT NATIONAL OILWELL VARCO IF YOU HAVE SPECIFIC CODE REQUIREMENTS.

REV.	DATE	DESCRIPTION	DRN.	APPR.

"F" LEVEL CONFIG CODES		
OPTION CLASS	ENTRY	INFO
COATING	I	
HH COVER	43476M12	
DOOR SCRS	STD	

"P" LEVEL CONFIG CODES		
OPTION CLASS	ENTRY	INFO
MIX	12	
FINISH	3	
BASE PLATE	45382Z	
POLE TOP CON.	MOD107	SPECIAL
STRUC. MOD	T.B.D.	NOTE 9

TRADITIONAL INTERNAL BOLTING WASHINGTON POLE

POLE DESIGNATION	OVERALL POLE LENGTH	INTERNAL ADJUSTER BOLT CIRCLE	BASE O.D.	ULTIMATE G.D. MOMENT (FT-LBS)	POLE WEIGHT (LBS)
26ST14SPL	14'-6"	8"	21"	12,000	480

() POLES REQUIRED, EACH WITH SPECIAL CAST ALUMINUM TENON, 3-7/8" O.D. x 8" LG. (P/N: 53013MH00KACA); SPECIAL S.STL. ADJUSTER PLATE (P/N: 45425A)

NOTES:

- MIX (123); BLACK, EXPOSED AGGREGATE FINISH, WITH AMERSHIELD ANTI-GRAFFITI COATING.
- ASTM C-150 TYPE III GRAY CEMENT.
- F_y @ 28 DAYS = 6,000 PSI, USING SPUN CYLINDER TEST.
- F_c @ 28 DAYS = 5,000 PSI, USING ASTM C-31 CYLINDER TEST.
- POLES MANUFACTURED PER ASTM C-1089-13 SPECIFICATIONS.
- PROTECTIVE COAT EXPOSED P.C. WIRES AT POLE ENDS.
- BASEPLATE FULLY PRESTRESSED WITH (4) 5/16" DIA. ASTM A-416 PRESTRESSING CABLES.
- INTERNAL BOLT CONNECTION PER AMERON U.S. PATENT NO. 5,918,487.
- MOD10K: CORROSION INHIBITOR MIX MODIFICATION.
- THE POLE (& IMPLIED TENON ASSEMBLY) DEPICTED ON THIS DRAWING IS DESIGNED TO WITHSTAND THE LOADS IMPARTED BY A SLIP-FITTER MOUNTED CENTRAL BRACKET CAN (NOT TO EXCEED 18.5" TALL, 1.1 SQ. FT. EPA, 15 LBS.), WITH OPPOSING DOUBLE MAST ARMS (WITH EACH ARM NOT TO EXCEED 27" IN LENGTH, 0.55 SQ. FT. EPA, & 15 LBS., PER SIDE), WITH EACH ARM HOLDING A SINGLE PENDANT TYPE LUMINAIRE (NOT TO EXCEED 1.52 SQ. FT. EPA, 57 LBS.) PER THE 2017 FLORIDA BUILDING CODE & ASCE 7-10 USING 170 MPH WIND ZONE (3-SECOND GUSTS) RISK CATEGORY II, NON-BUILDING STRUCTURE, EXPOSURE C, SITE CLASS D, SURFACE ROUGHNESS CATEGORY C, NO HILL NOR ESCARPMENT. NOTE THAT THE TOTAL EPA OF BRACKET, (2) ARMS, & (2) LUMINAIRES DOES NOT EXCEED 5.25 SQ. FT. & THEIR TOTAL WEIGHT DOESN'T EXCEED 164 LBS. PLEASE CONTACT & ADVISE MANUFACTURER IF THE INTENDED LOADING EXCEEDS THESE VALUES.

APPROVED BY

DATE

FPID #424027-2-52-01
CITY OF FORT LAUDERDALE
26ST14 POLE WITH TENON ASSEMBLY

THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO NATIONAL OILWELL VARCO. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT THE PRIOR WRITTEN PERMISSION OF NATIONAL OILWELL VARCO.

	DRAWN: J.M.	DATE: 04/19/18	REV -
	SCALE: N.T.S.	DWG NO. 1804-060	

SECTION No(s): 86180000
S.R. No.: A1A
PERMIT No: 2022-L-491-00003
COUNTY: BROWARD

EXHIBIT C
MAINTENANCE PLAN FOR
LANDSCAPE AND HARDSCAPE IMPROVEMENTS

This Exhibit forms an integral part of the DISTRICT FOUR (4) LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT between the State of Florida Department of Transportation and the AGENCY.

Please see attached

MAINTENANCE PLAN

Landscape and Hardscape Improvements

Project State Road No(s): AIA (Seabreeze Boulevard) from MP 2.396 to MP 2.487
Permit or FM No(s): 2022-L-491-00003
RLA of Record: Jeff Suiter, RLA
Maintaining Agency: City of Fort Lauderdale
Date: October 28, 2022

All landscape, hardscape, and lighting improvements within FDOT right of way shall be maintained to avoid potential roadway hazards and to provide required clear visibility, accessibility, clearance, and setbacks as set forth by Florida Department of Transportation (FDOT) governing standards and specifications: FDOT Standard Plans, FDOT Plans Design Manual and FDOT Standard Specifications for Road and Bridge Construction, as amended by contract documents, and all other requirements set forth by the District 4 Operations Maintenance Engineer.

The initial portion of the Maintenance Plan (Part I) describes general maintenance requirements and recommendations. The concluding section (Part II) provides recommendations prepared by the Registered Landscape Architect of Record specific to the attached approved plans.

PART I. GENERAL MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS:

A. GENERAL REQUIREMENTS:

As part of the maintenance responsibility, the Agency shall keep in good repair and replace defective or worn-out parts of all the improvements. The Agency responsibility to keep the improvements in good repair shall include all necessary inspection, maintenance, repair and replacement of any type or nature, including, but not limited to, inspection, maintenance, repair, and replacement due to normal wear and tear, named storm event, acts of God, vandalism, and accidents. The Agency shall take all necessary steps to maintain the improvements in a manner to protect against injury to any person or property.

The Agency shall be solely responsible for any damages to surrounding property, real estate, vehicles, pedestrians, or other assets occurring as a result of maintenance and operation of the improvements and shall repair such damage to the satisfaction of the Department at no expense to the Department.

AMERICANS WITH DISABILITIES ACT (“ADA”)

The Agency agrees to maintain, at its sole cost and expense, all improvements in compliance with any and all applicable laws which shall include, but not be limited to, laws and regulations relating to the Americans with Disabilities Act (“ADA”) of 1990, as currently enacted or as may be amended from time to time. Sidewalk areas shall be always accessible. If sidewalk closures are needed, alternate routes shall be clearly identified, and missing sidewalk shall be restored either with permanent or temporary materials at the end of each workday.

MAINTENANCE OF TRAFFIC CONTROL

Reference the FDOT website regarding the selection of the proper traffic control requirements to be provided during routine maintenance and / or new installations of this DOT roadway.

LITTER, GRAFFITI AND PEST CONTROL

The project site shall remain as litter free as practicable. It is recommended to recycle this litter to avoid unnecessary waste by its reuse. Litter removal efforts must meet *FDOT Maintenance Rating Program* (MRP) standards.

The Improvements to be constructed with this project shall not contain advertising. Nor shall advertising be placed upon them by any party in the future. The improvements shall be kept free of graffiti. The improvements shall be free of pests such as stinging insects, rodents, and vermin, including removal of nests as needed.

VEGETATION MANAGEMENT AT OUTDOOR ADVERTISING (ODA) (IF APPLICABLE)

To avoid conflicts with permitted outdoor advertising, please reference the State of Florida website regarding the vegetation management of outdoor advertising. This website provides a portal to search the FDOT Outdoor Advertising Inventory Management System Database. The database contains an inventory of outdoor advertising structures, permits and other related information maintained by the Department.

Also, reference the *Florida Highway Beautification Program* website link for *Vegetation Management at ODA signs* Florida Statutes and Florida Administrative Code related to vegetation management at outdoor advertising sign, permit applications for vegetation management and determining mitigation value of roadside vegetation.

B. LANDSCAPE REQUIREMENTS AND RECOMMENDATIONS:

WATERING REQUIREMENTS

Watering is a critical concern for not only the maintenance of healthy plant material but also for observing water conservation practices. The amount of water to apply at any one time varies with the weather, drainage conditions and water holding capacity of the soil. For plant materials that have been established, it is imperative that any mandated water restrictions be fully conformed to on FDOT roadways.

Proper watering techniques should provide even and thorough water dispersal to wet the entire root zone, but not saturate the soil or over-spray onto travel lanes.

IRRIGATION SYSTEM

The Agency shall ensure there are no roadway overspray or irrigation activities during daytime hours (most notably "rush hour" traffic periods). It is imperative the irrigation controller is properly set to run early enough that the watering process will be entirely completed before high traffic periods, while adhering to mandated water restrictions. To ensure water conservation, the Agency shall monitor the system for water leaks and the rain sensors to ensure they are functioning properly so that the system shuts down when there is sufficient rainfall.

MULCHING

Mulch planting beds to prevent weed growth, retain moisture to the plants, protect against soil erosion and nutrient loss, maintain a more uniform soil temperature, and improve the appearance of the planting beds. Do not mound mulch against the trunks of trees, palms, and the base of shrubs to allow air movement which aids in lowering disease susceptibility. Cypress mulch is prohibited on state right of way.

INTEGRATED PLANT MANAGEMENT

An assessment of each planting area's soil is recommended to periodically determine the nutrient levels needed to sustain healthy, vigorous plant growth.

Palms, shrubs, trees, and turf areas shall be fertilized in such a manner and frequency to ensure that the plant material remains healthy and vigorously growing. Please be alert to changes in fertilization types per University of Florida, Institute of Food and Agricultural Services (I.F.A.S.) recommendations. Establishment of an integrated pest management program is encouraged to ensure healthy plants, which are free of disease and pests.

PRUNING

All pruning, and the associated safety criteria, shall be performed according to American National Standard Institute (ANSI) A300 standards and shall be supervised by an International Society of Arboriculture (ISA) Certified Arborist. Pruning shall be carried out with the health and natural growth of plant materials in mind, to achieve the FDOT requirements for maintaining clear visibility for motorists, and provide vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions, and all trees and palms must be maintained to prevent potential roadway and pedestrian hazards. All palms are to be kept fruit free. The understory plant materials selected for use within the

restricted planting areas (Limits of Clear Sight) are to be mature height in compliance with the *FDM Window Detail*. Vertical clear zones for vegetation heights over roadways and sidewalks must meet the requirements of the *FDOT Maintenance Rating Program* (MRP) standards. See Reference pages. The R.L.A. of Record will provide the specific pruning heights for mature or maintained height and spread of all plant material to achieve the design intent shall be noted in Part II., Specific Project Site Maintenance Requirements and Recommendations.

STAKING AND GUYING

All staking materials are to be removed after one year or as directed by the RLA of Record.). Any subsequent staking and guying activities by the Agency must adhere to *FDOT Standard Plans* guidelines (See Index 580-001). The Agency shall closely monitor staking and guying attachment materials so that they are securely fastened to avoid potential roadway hazards.

TURF MOWING

All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a deep, healthy root system while providing a neat and clean appearance to the urban landscape. All turf efforts, mowing, curb/sidewalk edging and turf condition, must at a minimum, meet *FDOT Maintenance Rating Program* (MRP).

WEEDING/HERBICIDE

All planting areas shall be maintained as weed free as practicable by enlisting integrated pest management practices in areas specified on the plans and maintaining proper mulch levels. Extreme care is recommended when using a chemical herbicide to avoid overspray onto plant materials. It is the applicator's responsibility to restore any damage resulting from overspray to the plantings, per the approved plans.

PLANT REPLACEMENT

Plant replacement shall be the same species and specification as the approved plan. Move and replace all plant materials that may conflict with utility relocations and service. Only plants graded Florida #1 or better, per the *Florida Department of Agriculture and Consumer Services, Grades and Standards for Nursery Plants* are permitted on FDOT roadways. Should it become necessary to change the species, a permit is required from FDOT for approval by the FDOT District Landscape Architect.

C. HARDSCAPE REQUIREMENTS AND RECOMMENDATIONS:

LIGHTING

The AGENCY shall perform all activities necessary to keep the Lighting improvements fully operating, properly functioning, with a minimum of 90% of the lights burning for any lighting type or roadway system, at all times, in accordance with the original design thereof, whether necessitated by normal wear and tear, accidental or intentional damage, or acts of nature. Said maintenance shall include, but shall not be limited to, providing electrical power, and paying all charges associated therewith, routine inspection and testing, preventative maintenance, emergency maintenance, replacement of any component parts of the lighting and electrical components, as may be necessary.

A notification sign shall be posted at all times with the name and phone number of the department within the AGENCY responsible for maintenance of the Lighting so that members of the public may contact the Agency regarding any problems. The Agency shall promptly respond and correct all complaints regarding maintenance.

LANDSCAPE ACCENT LIGHTING

Landscape accent lighting shall be maintained in such a manner as to prolong the life of the lighting fixture and prevent potential safety hazards. If the lighting fixtures and their system become damaged, they shall be replaced with the same type and specification as the approved plan. Landscape lighting shall meet requirements for the sea turtle nesting and hatching.

TREE CELL STRUCTURES

Underground tree cells shall be maintained in such a manner as to prolong the life of the structure and prevent potential safety hazards. If the structures fail or become damaged, they shall be replaced with the same type and specification as the approved plan.

SITE FURNISHINGS

Site furnishing such as Trash Receptacles, Benches, Bollards and Bicycle Racks shall be maintained in such a manner as to prolong the life of the fixture and prevent potential safety hazards. If the fixtures and their overall function and mounting systems become damaged, they shall be replaced with the same type and specification as the approved plan.

HARDSCAPE (SPECIALTY SURFACING)

All tree grates and specialty surfacing (if applicable) shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the surfacing and tree grates. Final surface tolerance from grade elevations shall, at a minimum, meet the most current FDOT Maintenance Rating Program Handbook for a sidewalk; ADA accessible sidewalk; and FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on The State Highway System. If the specialty surfacing or tree grates become damaged, they shall be replaced with the same type and specification as the approved plan.

HARDSCAPE (CONCRETE PAVERS)

All concrete pavers (if applicable) shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the pavers. Final surface tolerance from grade elevations shall, at a minimum, meet the most current *Interlocking Concrete Pavement Institute (ICPI), Guide Specifications for Pavers on an Aggregate Base, Section 23 14 13 Interlocking Concrete Pavers, Part 3.05*. If the concrete pavers become damaged, they shall be replaced with the same type and specification as the approved plan.

It shall be the responsibility of the AGENCY to maintain all signs located within a non-standard surfacing area. Such maintenance to be provided by the AGENCY shall include repair and replacement of the sign panel, post, and base.

HARDSCAPE (NON-STANDARD TRAVELWAY SURFACING)

It shall be the responsibility of the AGENCY to restore an unacceptable ride condition of the roadway, including asphalt pavement (if applicable), caused, or contributed by the installation or failure of non-standard surfacing, and/or the header curb, on the Department of Transportation right of way within the limits of this Agreement. Pavement restoration areas or "patches" will have a minimum length of 10-ft, measured from the edge of the header curb, and a width to cover full lanes for each lane affected by the restoration.

Pavement restoration will be performed in accordance with the most current edition of the *FDOT Standard Specifications for Road and Bridge Construction*, and the *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System*.

PART II. PROJECT SPECIFIC SITE MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS:

1. The design intent of the project is to provide activation at the Marina and create a safe, comfortable, shaded pedestrian environment along A1A. The design provides a 12' accessible walking surface separated from A1A by planting. Bus drop-off and bicycle parking are provided to offer access from the site without the use of a car.
2. Canopy Trees (*Conocarpus erectus* / Green Buttonwood) are intended to be maintained at mature height and spread. Refer to Part I Pruning, for clear sight window and vertical clear zone pruning requirements.
3. Remove suckering growth from base and clear trunk areas for single-trunked trees, Green Buttonwood and Coconut Palms on a as needed to maintain clear site.
4. To maintain the intended appearance of all palms (*Cocos nucifera* / Green Malayan Coconut), apply the latest palm fertilizer recommended by the University of Florida IFAS Extension per the manufacturer's specifications.
5. To maintain the intended appearance of all shrubs or turf grass, apply the latest fertilizer recommended by the University of Florida IFAS Extension per the manufacturer's specifications.
6. Do not remove fronds from self-cleaning palms, unless damaged. Palms with persistent fronds shall only have dead fronds removed, do not remove any green fronds. If it is deemed necessary to prune a palm's fronds, no fronds shall be trimmed above 3 o'clock and 9 o'clock on the horizontal plain.
7. Groundcover and shrub horizontal growth shall be maintained to prevent foliage from growing beyond the limits of the planting areas shown on the plan. Maintain a clean edge 1– 2" offset at the edge of curb, pavement, sidewalk and/or other hardscape improvements.
8. Maintain the vertical height of:
 - *Chrysobalanus icaco* 'Red Tip' to its natural form full to ground. Height not to exceed 42". Design intent is not to hedge.
 - *Clusia rosea* 'Nana' to its natural form full to ground. Height not to exceed 36".
 - *Clusia guttifera* to a hedgerow form full to ground. Height not to exceed 54".
 - *Conocarpus erectus* 'sericeus' trimmed to maintain visibility. Height not to exceed 36".
 - *Zamia floridana* to its natural form and growth pattern.
 - *Muhlenbergia capillaris* to its natural form. Prune annually or as needed after blooming.
 - *Liriope x 'NoMo'* Height to be maintained between 4"- 6". Naturally grows to 6" maximum height.
9. Inspect groundcovers and shrubs on a bi-annual basis for maintaining full ground coverage.
10. Evaluate plant material on a monthly basis for pests, diseases, drought stress or general decline. If required, follow the integrated pest management program established by the Agency to ensure healthy plants.
11. Concrete pavers shall be inspected on a biannual basis for the aesthetic appearance and safety conditions. Address any issues identified by repairing or replacing those specific locations. To maintain the overall aesthetic appearance and safety of the concrete pavers they shall be cleaned on a twice a yearly basis to prevent mold, dirt, oil, and gum build up. Joints and cracks in concrete, patterned concrete or asphalt, concrete pavers, concrete curbs, expansion joints, catch basins, gutter areas, etc. shall be inspected on a quarterly basis to keep those areas free of weeds.

12. Inspect the irrigation system performance on a quarterly basis to ensure the system is providing 100% coverage, does not have sections of low pressure, heads and valves are clean and clear of debris and any damaged irrigation components (i.e., spray nozzles, spray heads, valve box etc.) are repaired or replaced.
13. The Bicycle air pump shall be inspected monthly to prolong the life of the fixture and prevent potential safety hazards. It will be maintained and repaired in a commercially reasonable manner or replaced as necessary.
14. Site lighting, including the A1A pole, post top and tree mounted lighting shall be maintained in such a manner as to prolong the life of the fixture and prevent potential safety hazards. Fixture illumination shall be inspected monthly and replaced with fixtures specified in the drawings as needed. Pole and bollard posts shall be inspected for damage bimonthly and repaired in a commercially reasonable manner or replaced as necessary. Site receptacles will be inspected monthly to prolong the life of the fixture and prevent potential safety hazards.

REFERENCES (4-27-20)

This reference list is provided as a courtesy. The list may not contain the most current websites. The most current references must be accessed for up-to-date information.

Accessible Sidewalk (ADA) <http://www.access-board.gov/guidelines-and-standards/streets-sidewalks>

Americans with Disabilities Act (ADA) (ADAAG) http://www.ada.gov/2010ADASTandards_index.htm

American National Standard Institute, ANSI A300, (Part 1) for Tree Care Operations – Trees, Shrub, and Other Woody Plant Maintenance – Standard Practices (Pruning), available for purchase <http://webstore.ansi.org>

Florida Department of Agriculture and Consumer Services, Division of Plant Industry, *Florida Grades and Standards for Nursery Plants 2015* <http://www.freshfromflorida.com/Divisions-Offices/Plant-Industry/Bureaus-and-Services/Bureau-of-Plant-and-Apiary-Inspection>

Florida Department of Community Affairs (DCA), Florida Board of Building Codes & Standards, 2017 Florida Building Code, Chapter 11 Florida Accessibility Code for Building Construction Part A http://www.floridabuilding.org/fbc/workgroups/Accessibility_Code_Workgroup/Documentation/CHAPTER_11_w_fl_a_specifics.htm

Florida Department of Transportation, *Program Management, Maintenance Specifications Workbook Supplemental Specifications, Section 580 Landscape Installation*
<http://www.fdot.gov/programmanagement/Maintenance/2019Jan/default.shtm>

Florida Department of Transportation, *FDOT Standard Plans for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 580-001 Landscape Installation*
<http://www.fdot.gov/design/standardplans/current/IDX/580-001.pdf>

Florida Department of Transportation, *FDOT Design Manual for Design, Construction, Maintenance and Utility Operations on the State Highway System, Chapter 212.11 Clear Sight Triangles*
<http://www.fdot.gov/roadway/FDM/current/2018FDM212Intersections.pdf>

Florida Department of Transportation, *FDOT Design Manual for Design, Construction, Maintenance and Utility Operations on the State Highway System, Chapter 215.2.3 Clear Zone Criteria and 215.2.4 Lateral Offset, Table 215.2.1 Clear Zone Width Requirements, Table 215.2.2 Lateral Offset Criteria (for Trees)*
<http://www.fdot.gov/roadway/FDM/current/2018FDM215RoadsideSafety.pdf>

Florida Department of Transportation, *FDOT Standard Plans for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index Series 102-600 Traffic Control through Work Zones*
<http://www.fdot.gov/design/standardplans/current/IDX/102-600.pdf>

Department of Transportation, Landscape Architecture Website www.MyFloridaBeautiful.com

Florida Department of Transportation, *Maintenance Rating Program Handbook*
<http://www.dot.state.fl.us/statemaintenanceoffice/MaintRatingProgram.shtm>

Florida Department of Transportation Outdoor Advertising Database <http://www2.dot.state.fl.us/rightofway/>

Florida Exotic Pest Plant Council Invasive Plant Lists <http://www.fleppc.org/list/list.htm>

Florida Irrigation Society <http://www.fisstate.org>

Florida Power and Light (FPL), *Plant the Right Tree in the Right Place*
http://www.fpl.com/residential/trees/right_tree_right_place.shtml

SECTION No(s): 86180000
S.R. No.: A1A
PERMIT No: 2022-L-491-00003
COUNTY: BROWARD

EXHIBIT D
RESOLUTION

This Exhibit forms an integral part of the DISTRICT FOUR (4) LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT between the State of Florida, Department of Transportation and the AGENCY.

Please see attached

RESOLUTION NO. 22-287

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA, APPROVING AND AUTHORIZING EXECUTION OF AMENDMENT NUMBER EIGHTEEN (18) TO THE DISTRICT FOUR (4) STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION LANDSCAPE INCLUSIVE MAINTENANCE MEMORANDUM OF AGREEMENT FOR STATE ROAD A1A, FOR INSTALLATION AND MAINTENANCE OF LANDSCAPE AND HARDSCAPE IMPROVEMENTS WITHIN THE RIGHT-OF-WAY OF STATE ROAD A1A, AND AN ASSUMPTION OF LIABILITY AND HOLD HARMLESS AGREEMENT WITH TRR BAHIA MAR MARINA VILLAGE, LLC, AND RAHN BAHIA MAR, L.L.C., AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the City of Fort Lauderdale, Florida ("City") and Rahn Bahia Mar L.L.C. ("Rahn") are parties to a Master Lease Agreement for the real property known as the Bahia Mar, dated April 13, 2022; and

WHEREAS, TRR Bahia Mar Marina Village, LLC ("TRR") is a sublessee of Rahn; and

WHEREAS, TRR and Rahn wish to install landscape and hardscape improvements, including pedestrian lighting improvements ("improvements") to the Bahia Mar within the right-of-way of State Road A1A; and

WHEREAS, authorization for these improvements within the right-of-way of State Road A1A, must be permitted by the Florida Department of Transportation ("FDOT"); and

WHEREAS, FDOT requires the City to enter into Amendment Number Eighteen (18) to the District Four (4) State of Florida Department of Transportation Landscape Inclusive Maintenance Memorandum of Agreement for State Road A1A ("MMOA"), for the maintenance of the improvements; and

WHEREAS, the City, TRR and Rahn have agreed to enter into an Assumption of Liability and Hold Harmless Agreement, which passes the maintenance responsibility and costs associated with the MMOA to TRR and Rahn and wherein TRR and Rahn agree to assume and hold the City harmless from any obligations under the proposed MMOA pertaining to any improvements installed in the right-of-way by TRR and Rahn.

RESOLUTION NO. 22-287

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NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA:

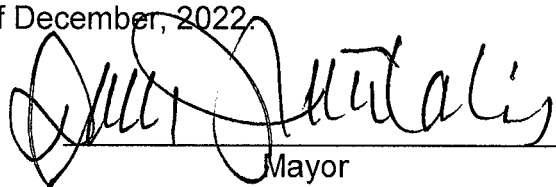
SECTION 1. That the City Commission of the City of Fort Lauderdale, Florida, hereby approves and authorizes the execution of Amendment Number Eighteen (18) to the District Four (4) State of Florida Department of Transportation Landscape Inclusive Maintenance Memorandum of Agreement for State Road A1A.

SECTION 2. That the City Commission of the City of Fort Lauderdale, Florida, hereby approves and authorizes the execution of the Assumption of Liability and Hold Harmless Agreement between the City of Fort Lauderdale, Florida, TRR Bahia Mar Marina Village LLC and Rahn Bahia Mar L.L.C.

SECTION 3. That the Office of the City Attorney shall review and approve as to form all documents prior to their execution.

SECTION 4. That this Resolution shall be in full force and effect upon final adoption.

ADOPTED this 20th day of December, 2022.



Mayor
DEAN J. TRANTALIS

ATTEST:



City Clerk
DAVID R. SOLOMAN

Dean J. Trantalis Yea

John C. Herbst Yea

Steven Glassman Yea

APPROVED AS TO FORM:



City Attorney
ALAIN E. BOILEAU

Pamela Beasley-Pittman Yea

Warren Sturman Yea