
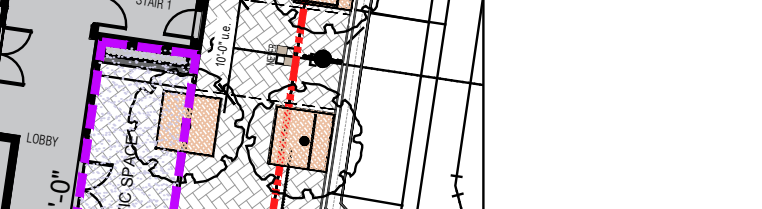
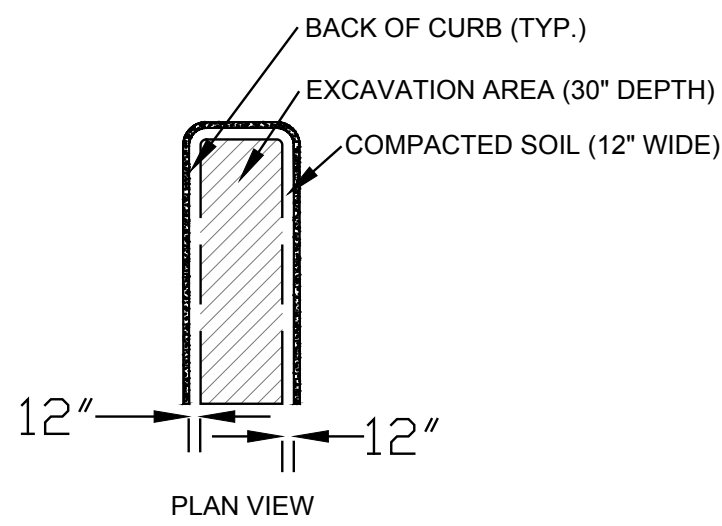
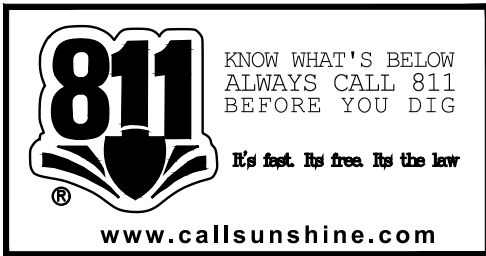


CIVIC SPACE - CIVIL CS: 	
CITY CENTER IN CBD DISTRICT	
CIVIC OPEN SPACE LDR Sec. 4.4.13(E)(4)(i)	ONE SHADE TREE PER 20 L.F. OR PERMETER (80.33 L.F. / 20 = 4 TREES)
4 TREES REQUIRED	3 TREES PROVIDED - WAIVER REQUEST FOR 2 TREES





PER SECTION 4.6.16 (H) (3) (n)  
EXISTING NATIVE SOIL WITHIN ALL LANDSCAPE AREAS ADJACENT TO  
VUA SHALL BE EXCAVATED DOWN TO DEPTH OF 30" BELOW EX GRADE,  
EXCEPT FOR A 12" BUFFER FROM INSIDE OF CURB OR PAVEMENT.



**LBLA, Inc.**  
**Landscape Architecture**

5610 Adair Way  
 Lake Worth, FL 33467  
 Phone: 561-644-3237  
[LbenderLarch@gmail.com](mailto:LbenderLarch@gmail.com)  
 FL-LA6666715

PROJECT ARCHITECTS :  
**ZYSCOVICH**  
ARCHITECTS

---

250 Park Avenue, Suite 510  
Winter Park, FL 32789  
t 407.674.1959

e [info@zyscovich.com](mailto:info@zyscovich.com)  
w [www.zyscovich.com](http://www.zyscovich.com)

PIERRE DELRAY PHASE 2 - SPRAB SITE PLAN PACKAGE  
(aka New MXU Building)

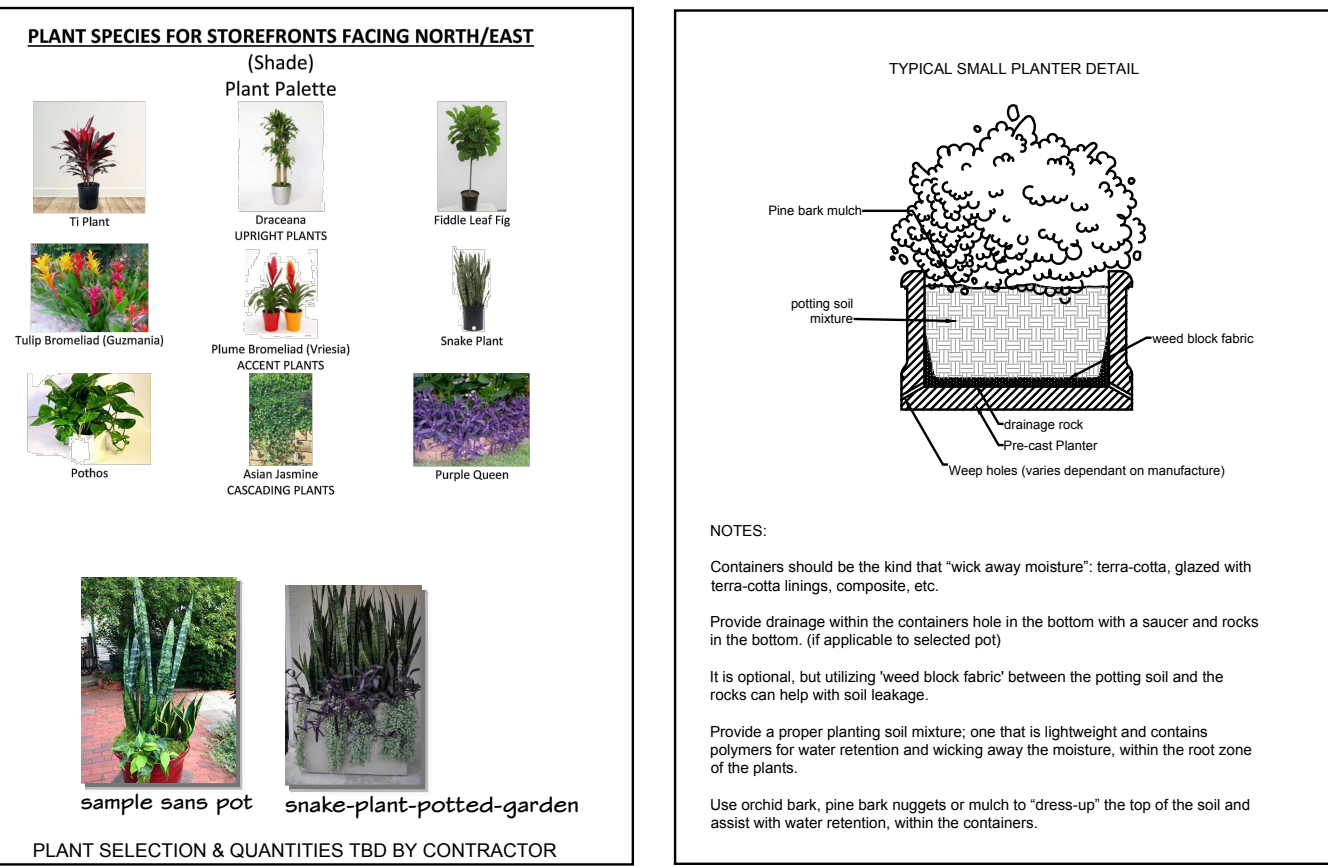
SW corner of Atlantic Ave. & SE 3rd Ave.  
City of Delray Beach, Florida

PROPOSED LANDSCAPE PLAN

LYNN M. BENDER  
LANDSCAPE ARCHITECT  
FLORIDA

REGISTERED LANDSCAPE ARCHITECT  
LYNN M. BENDER  
FLORIDA  
110668716  
JAN 1 1998  
STATE OF FLORIDA  
8/23/22

PROJECT NO. 19-014	CADD I.D. ATLANTIC SITE 2
DRAWN BY : LMB	
CHECKED BY : LMB	
SCALE : 1" = 20'-0"	
DATE : JULY 29, 2021	
SHEET :  LP1  OF 2 SHEETS	

[illegible]City of Delray Beach Standard Details: LD1.1 & LD 1.2"

**IRRIGATION NOTE:**  
An automatic properly functioning underground irrigation system with a rain sensing cutoff device shall be designed and installed in compliance with the SFWMD, Florida Building Code and city Building Code requirements. The rain sensing cutoff device shall be located and installed in such a manner that the building eaves, balconies and similar overhangs do not interfere with the operation of the device. The irrigation system shall be properly maintained in good working order and provide a minimum coverage of 100% with 100% overlap.

Per LDR 4.6.16(F) : Complete Irrigation Design Plans shall be provided at time of Building Permit Applications.

All newly planted trees & palms shall have bubblers.

Provide Drip Line to Planter Pots where feasible.

LANDSCAPE NOTES:  
(CITY NOTES SHALL APPEAR ON ALL PLANS)

MULCH SHALL BE APPLIED TO A MINIMUM DEPTH OF THREE (3) INCHES IN ALL PLANTING BEDS.

ALL LANDSCAPE AREAS SHALL BE PROVIDED WITH AN IRRIGATION SYSTEM, AUTOMATICALLY OPERATED, TO PROVIDE COMPLETE COVERAGE TO ALL PLANT MATERIALS AND GRASS TO BE MAINTAINED..

ROAD AND IRRIGATION SHALL BE PROVIDED WITHIN THE UNPAVED PORTION OF THE RIGHT-OF-WAY ADJACENT TO THE PROPERTY LINE.

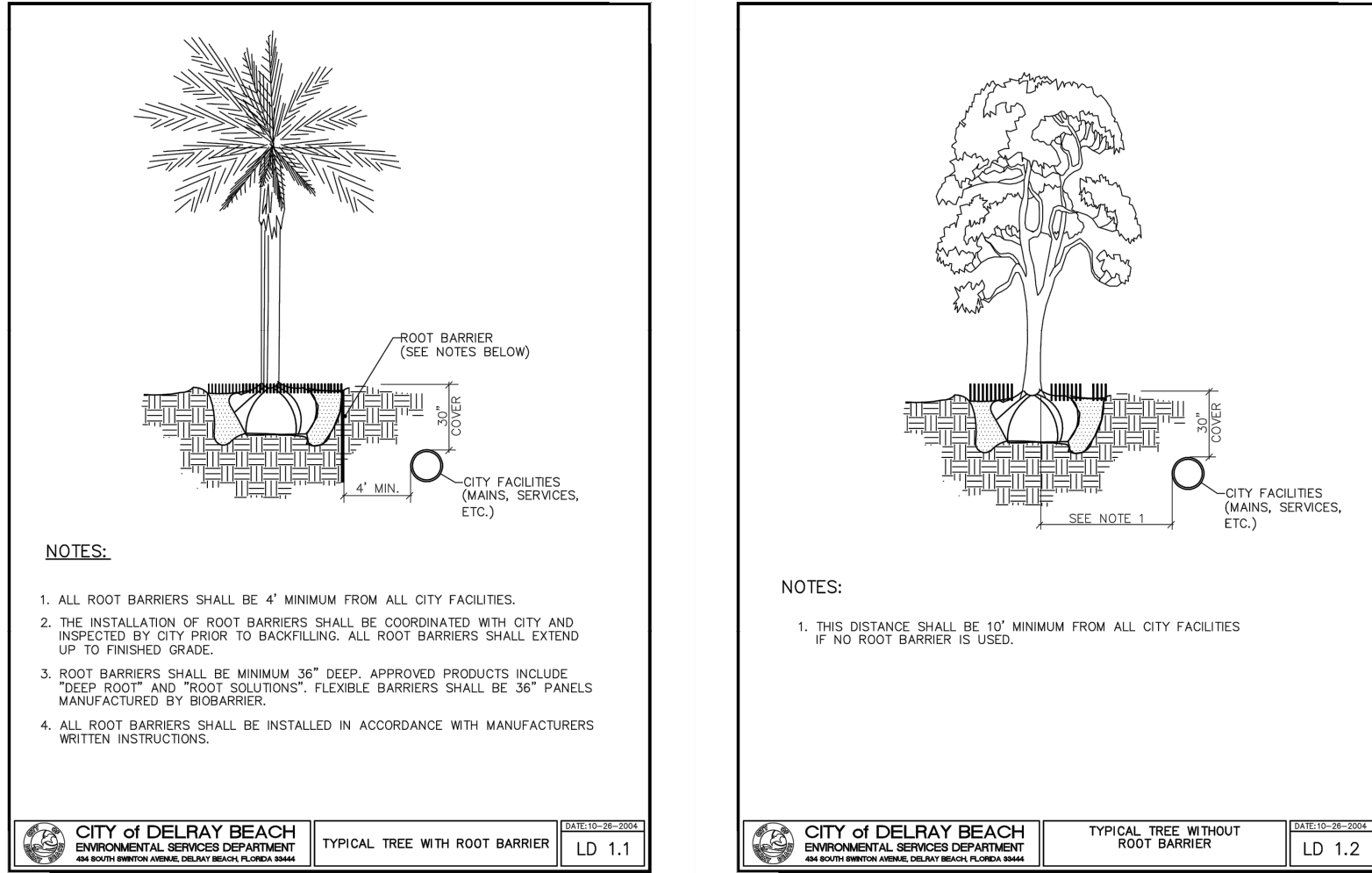
REINFORCED CONCRETE CURBING AT LEAST SIX (6) INCHES IN HEIGHT SHALL BE PROVIDED AROUND ALL LANDSCAPE ISLANDS AND AS A SEPARATOR BETWEEN ALL LANDSCAPED AREAS THAT ARE ADJACENT TO VEHICULAR USE AREAS UNLESS SUCH CURBING WILL INTERFERE WITH THE DRAINAGE.

THREE (3) PALMS ARE EQUIVALENT TO ONE (1) SHADE TREE.

SHRUBS ARE REQUIRED ALONG FOUNDATION VISIBLE TO STREET (where applicable) PLUS ALL EQUIPMENT, A/C, P/E, ETC. SHALL BE SCREENED FROM VIEW.

**NOTE:**  
Per LDR 4.6.16(D)(4)(b) "Trees shall not be planted within ten (10') feet of any underground utility. NOTE: City of Delray Beach Engineering Standards allow trees to be planted to within four (4') feet of utility lines, with proper root barriers installed. Refer to sheet LP2 for Details.

Any Trees or Shrubs placed within water, sewer or drainage easements shall conform to the City of Delray Beach Standard Details: LD1.1 & LD 1.2"



*All invasive exotic plants must be removed from the property. The site shall be maintained "exotic free" in perpetuity.*

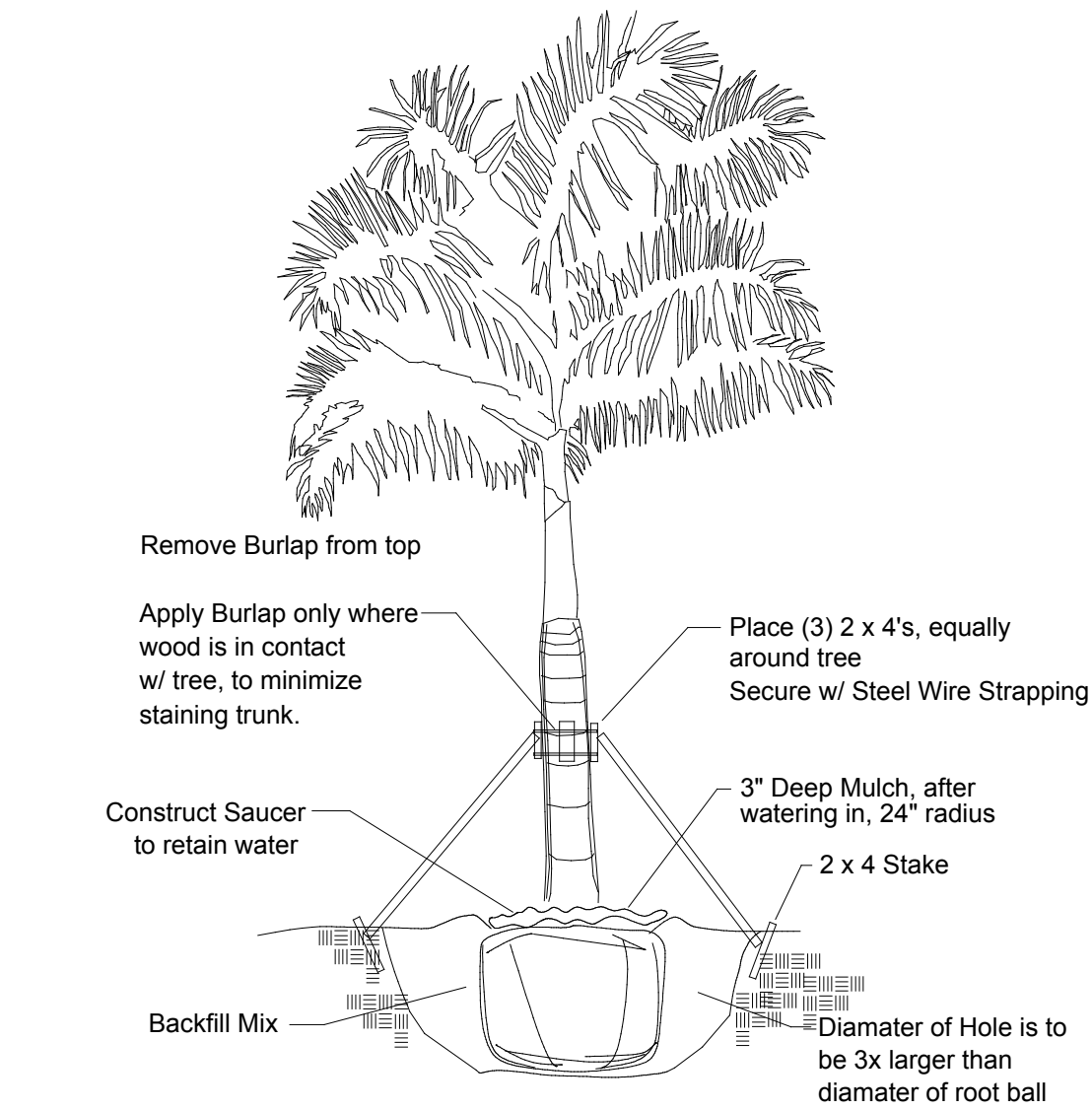
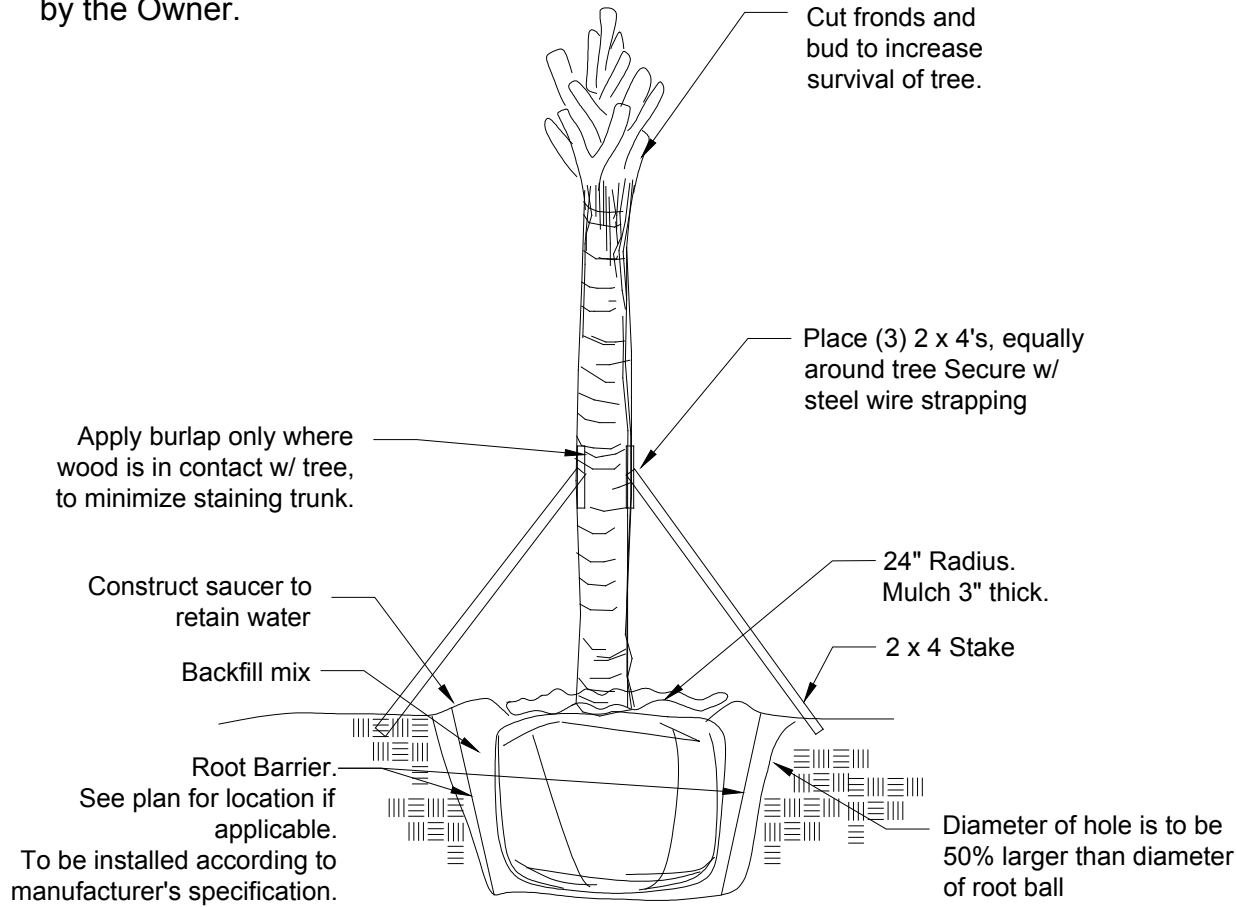
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE LANDSCAPE ARCHITECT &/OR PROJECT TEAM. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE PROJECT TEAMS EXPRESS WRITTEN PERMISSION. All copyrights reserved © 2022 CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY LA, ARCHITECT &/OR ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.



## Palm Planting Detail

Tree Stakes are to be removed between 6-12 months by the Owner.

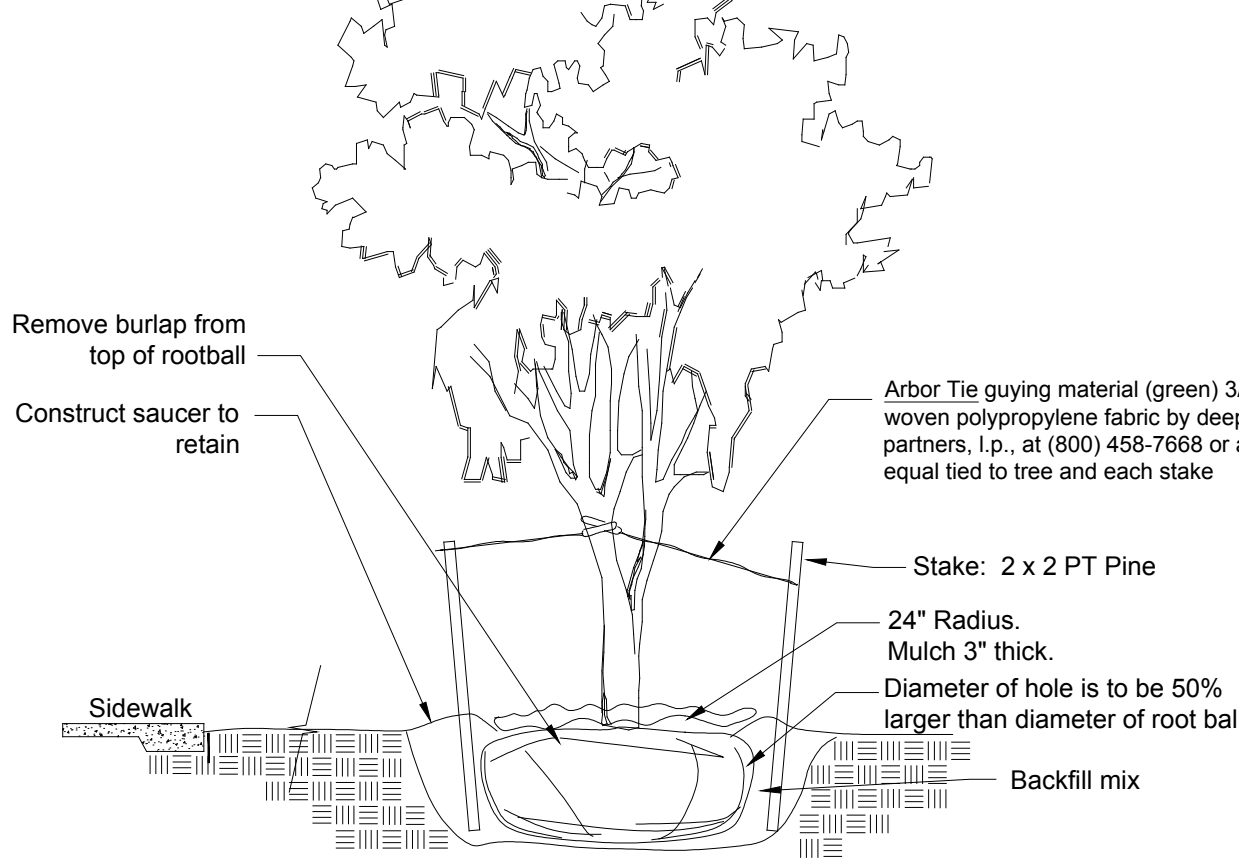
NTS



## Tree Planting Detail

Tree Stakes are to be removed between 6-12 months by the Owner.

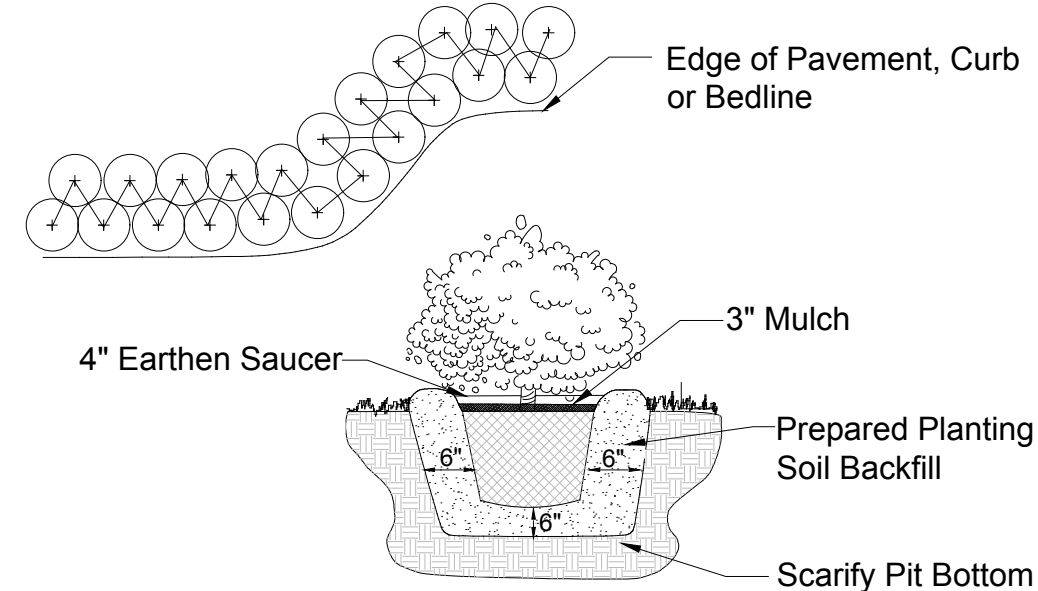
NTS



## Shrub & Groundcover Planting Detail

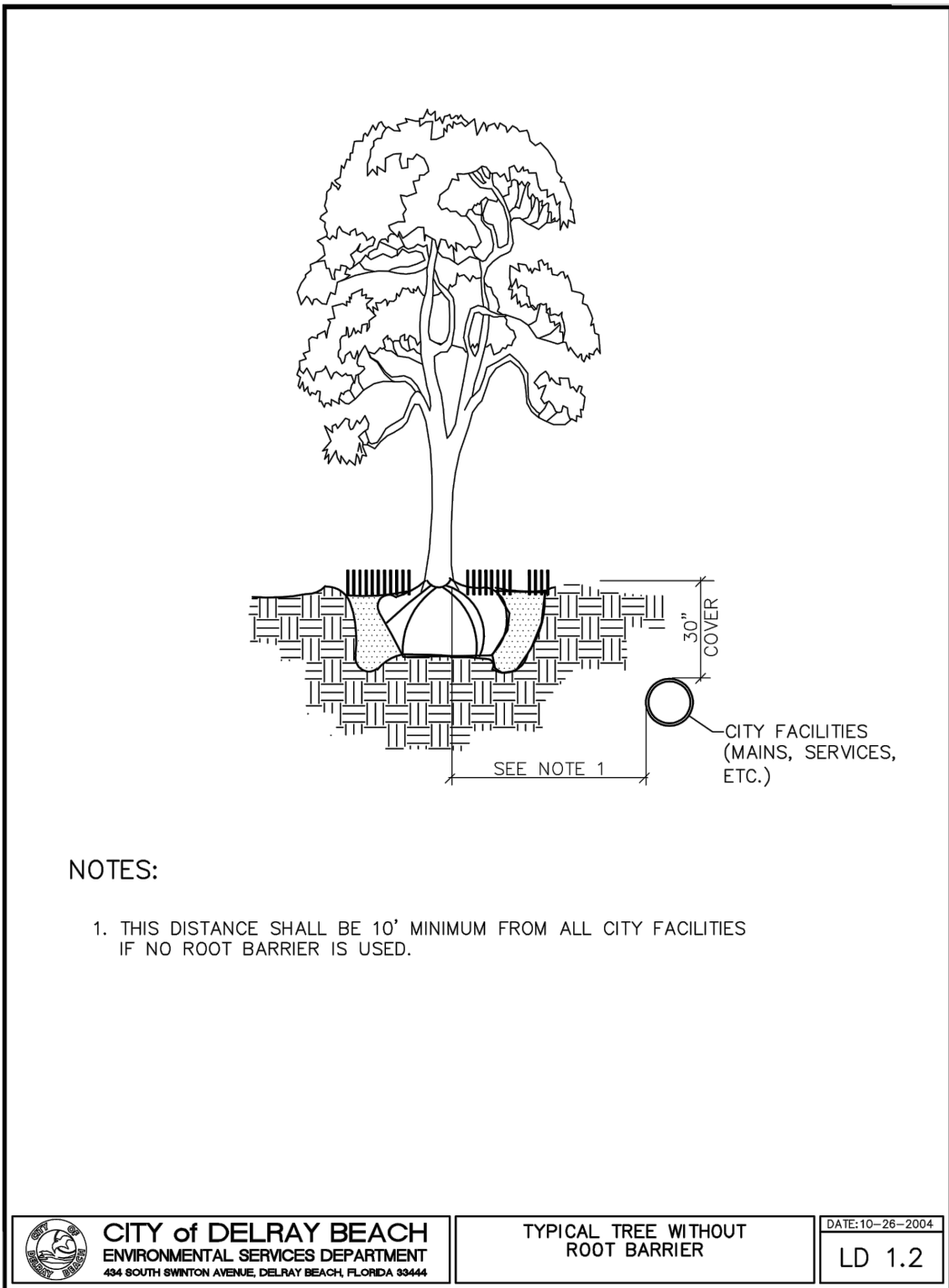
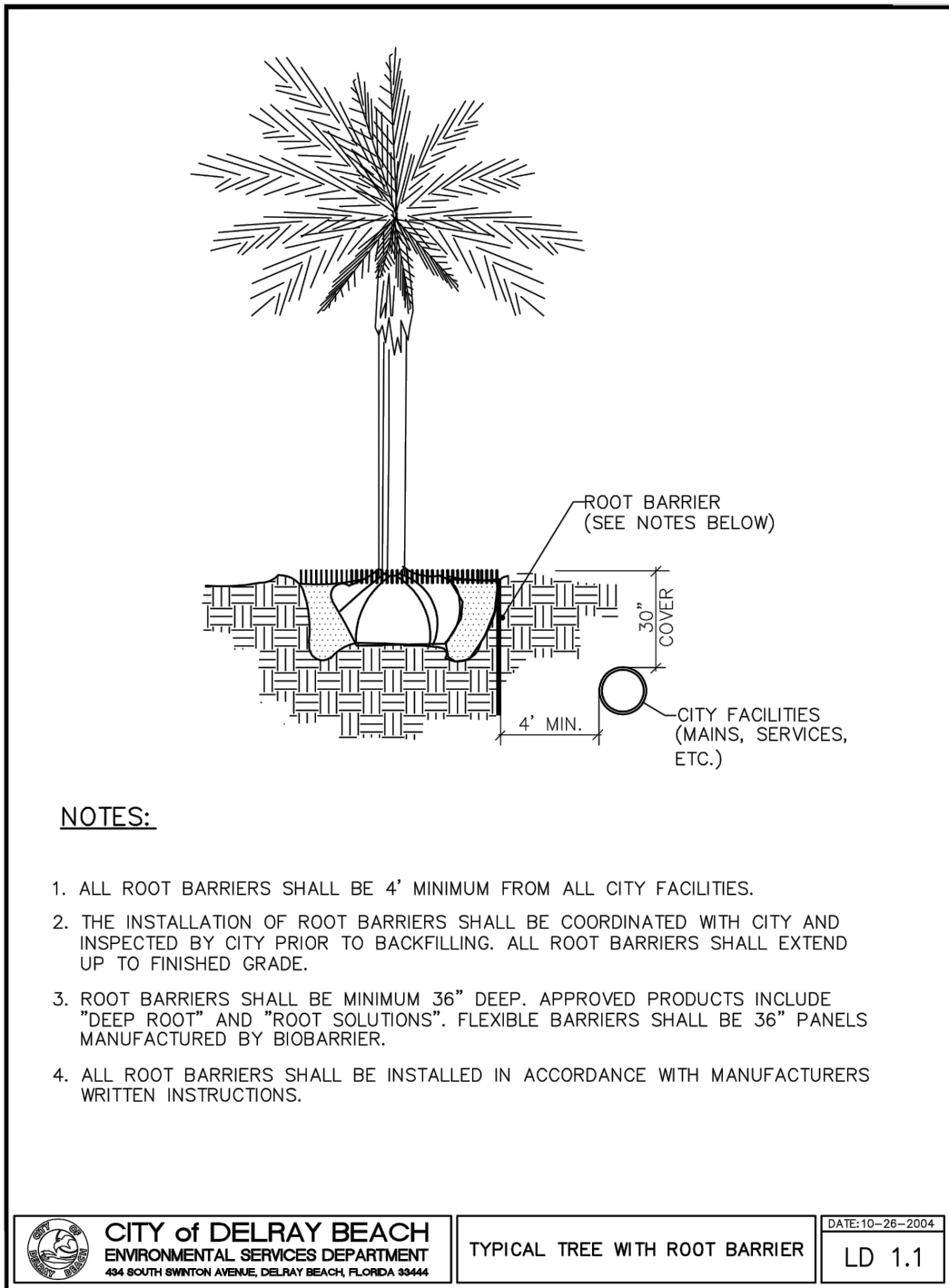
Note: All Shrubs And Groundcover Shall Be Triangular Spaced Along Straight Edges And Will Be Planted In Parallel Rows Along Curved Edges.

NTS



## City of Delray Beach Standard Details: LD1.1 & LD 1.2"

NTS



## Planting Specifications

QUALITY: All plants shall be Florida No.1 or better as given in Grades & Standards for Nursery Plants, Parts I and II, latest edition published by the Florida Department of Consumer Services.

RESEARCH : Contractor shall research plans and site to determine present location of utilities and obstructions before commencing work. Contractor shall ensure that before he commences work that all necessary permits have been obtained.

The contractor shall personally examine the project site and fully acquaint himself with all of the existing conditions in order that no misunderstanding may occur.

No Additional compensation will be granted, after bid has been let for any hardships the contractor may encounter in the performance of his duty. Any discrepancies or errors not addressed at the time of bid.

DRAWINGS : Drawings are part of this contract. Any discrepancies between the drawings and specifications shall be brought to the attention of the owner at time of bid.

SCOPE : Under this contract, the work consists of furnishing all labor, material, equipment, transportation, etc., to complete all landscaping work as shown on the Drawings, as included in the Plant List and as herein specified. Work shall include all construction and maintenance/watering of all planting areas of this Contract until accepted by the Owner.

The contractor shall be responsible for all planting/ maintenance of plants until acceptance by Owner. Contractor shall protect all existing structure, plants etc., from damage during the construction process.

All damage shall be repaired at the contractors expense

WARRANTY: All trees shall be warranted for a period of 1 year. All shrubs and groundcovers shall be warranted for a period of 90 days, and sod shall be warranted for a period of 30 days. Warranty begins at time of acceptance. All warranties shall be provided to the owner.

REPLACEMENT: All plant replacements shall be done with the same size and species of plant that was specified.

SAMPLES: Samples of any landscape material may be required for approval on the site or as otherwise determined by the Owner. Upon approval of samples (i.e. mulch, planting soil, plant varieties, etc.) by the Owner, delivery of material may begin. Approved samples shall be stored on the site and protected until furnishing of materials is completed. Plant samples be planted in permanent positions, but labeled as samples.

SUBSTITUTIONS : Any substitutions made for any reason must be approved by the owner.

WATER : It is the contractors responsibility to obtain and adequately water the plants during the duration of the installation phase. All plants shall be freshly dug, healthy and be well branched, free from disease and insects.

CONTAINER GROWN MATERIAL : All container grown materials shall be healthy vigorous, well rooted plants, and established in the container so that the root mass will retain its shape and hold together when removed from the container.

PALMS : Only a minimum number of fronds shall be removed from the crown of palm trees to facilitate moving and handling. Cabbage palm heads shall be tied with a burlap strip per the following procedure: The first (inside) row of fronds contiguous to bud shall be removed. The next 3-4 rows shall be tied to bud for support. The remaining (lower) fronds shall be removed. Tied fronds and bud tip shall not be clipped. Burlap strip shall be left in place until the tree is well established.

PALMS : Clear trunk (c.t.) shall be measured from the ground at time of installation to the point where the mature aged trunk joins the immature green portion of the tree. Caliper shall be measured at breast height. Overall height (OA) shall be measured from the ground at the time of installation to a point one-quarter the length of the unopened bud below the bud tip.

SHADE TREES : Height shall be measured from the ground to the avg. height of canopy. Spread shall be measured to the average outer edge. Single trunk trees shall be free from low-croches.

SHRUBS: Height shall be measured from the ground to the average point where mature plant growth stops. Spread shall be measured to the end of branching equally across the shrub mass. Measurements are not to include any terminal growth.

SOD: Sod shall be measured on the basis of square footage. Contractor shall be responsible for coverage of the square footage shown on the plans.

SOD: Time delivery so that sod will be placed within 24 hours after.

MULCH: Apply 3" Non-eypress mulch to all planting areas. Keep mulch from piling up along the base of the tree and shrubs. Mulch to be measured after compaction.

FINE GRADING: The landscape contractor shall be responsible for fine grading of the site. This means that the site shall be brought within 1" of final grade so that the landscape contractor will be able to perform final grading. All landscape areas, sod areas, are to be fine graded.

PLANT LAYOUT: All bed areas shall have planting laid out prior to planting. The Landscape Architect shall review all layout prior to planting. If the bed and shrub layout is not inspected prior to planting, the Landscape Architect reserves the right to relocate the plants.

SOIL: Planting beds shall contain good soil, complete with organic sand mix. There shall be no construction debris, rock larger than 1" within bed areas. Soil shall be dark grey-brown in organic color and shall have good drainage characteristics.

Soil within planting beds shall not be compacted.

All compacted sub-base shell is to be removed from all landscape areas.

BACKFILL/ SOIL MIX	ANNUALS
50% decomposed organic matter (muck)	100% Potting Soil
50% existing soil	
pH: 5.5 - 7.0	

FERTILIZER: Two fertilizers shall be used in all types of plantings except palms. Granular fertilizer shall be uniform in composition, dry and free flowing. This fertilizer shall be 6-6-6 Nitrogen-Phosphorous-Potassium. Tablet Fertilizer (Agriform or equal) in 21 gr size, shall meet the following requirements: 20% Nitrogen, 10% Phosphorous, 10% Potassium. The two fertilizers will be applied at the following rates:

1. PLANT SIZE	6-6-6 "AGRIFORM" TABLET (21 GRAM)
1 gal.	1/4 lb.
3 gal.	1/3 lb.
7-15 gal.	1/2 lb.
1"-2" caliper	2 lbs/1" cal.
6" and larger	3 lbs/1" cal.

2. Magnesium sulfate or "Palm Special" will be applied to all palms at installation at a rate of 1/2 lb. per inch of trunk caliper.

PRUNING: Each plant shall be pruned to complement the natural character of the tree. All dead and brown fronds, leaves, branches shall be removed.

TREE GUYING AND BRACING : Firmly stake or guy all trees in accordance with the plans and planting details immediately after planting to prevent wind damage.

WEED CONTROL: All landscape areas shall be free of nut grass, torpedo grass, and other noxious weeds.

PLANT MAINTENANCE: Contractor shall maintain all plants until final acceptance by owner.

CLEAN-UP: Contractor shall clean site area every day. The site shall be devoid of all rubbish, landscape debris, containers.

LANDSCAPE NOTES: (CITY NOTES SHALL APPEAR ON ALL PLANS)

ALL PLANT MATERIAL SHALL BE FLORIDA #1 GRADE OR BETTER.

MULCH SHALL BE APPLIED TO A MINIMUM DEPTH OF THREE (3) INCHES IN ALL PLANTING BEDS.

ALL PROHIBITED PLANT SPECIES SHALL BE ERADICATED FROM THE SITE.

ALL LANDSCAPE AREAS SHALL BE PROVIDED WITH AN IRRIGATION SYSTEM, AUTOMATICALLY OPERATED, TO PROVIDE COMPLETE COVERAGE TO ALL PLANT MATERIALS AND GRASS TO BE MAINTAINED..

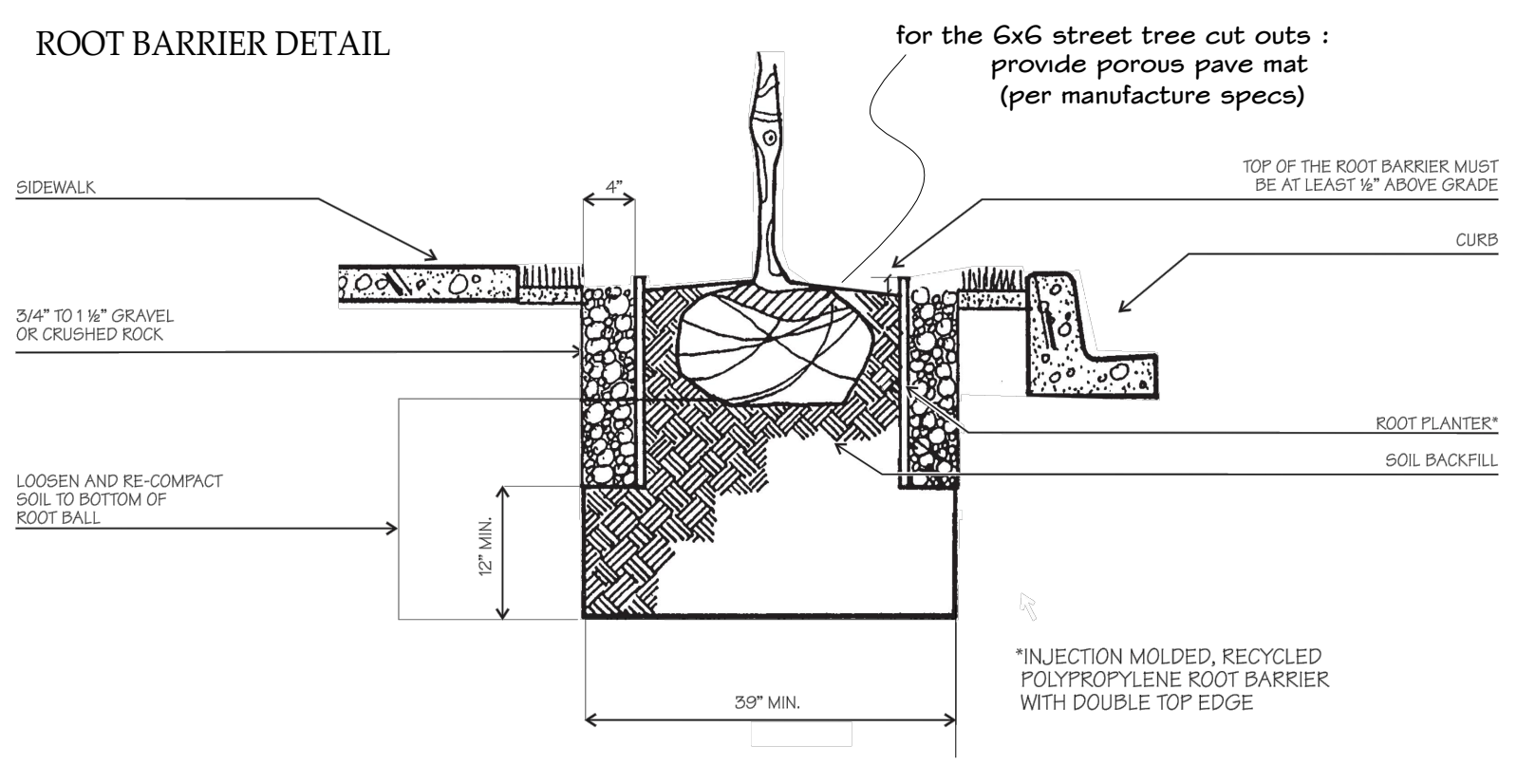
SOD AND IRRIGATION SHALL BE PROVIDED WITHIN THE UNPAVED PORTION OF THE RIGHT-OF-WAY ADJACENT TO THE PROPERTY LINE.

REINFORCED CONCRETE CURBING AT LEAST SIX (6) INCHES IN HEIGHT SHALL BE PROVIDED AROUND ALL LANDSCAPE ISLANDS AND AS A SEPARATOR BETWEEN ALL LANDSCAPED AREAS THAT ARE ADJACENT TO VEHICULAR USE AREAS UNLESS SUCH CURBING WILL INTERFERE WITH THE DRAINAGE.

THREE (3) PALMS ARE EQUIVALENT TO ONE (1) SHADE TREE.

SHRUBS ARE REQUIRED ALONG FOUNDATION VISIBLE TO STREET (where applicable) PLUS ALL EQUIPMENT, A/C, P/E, ETC. SHALL BE SCREENED FROM VIEW.

### ROOT BARRIER DETAIL

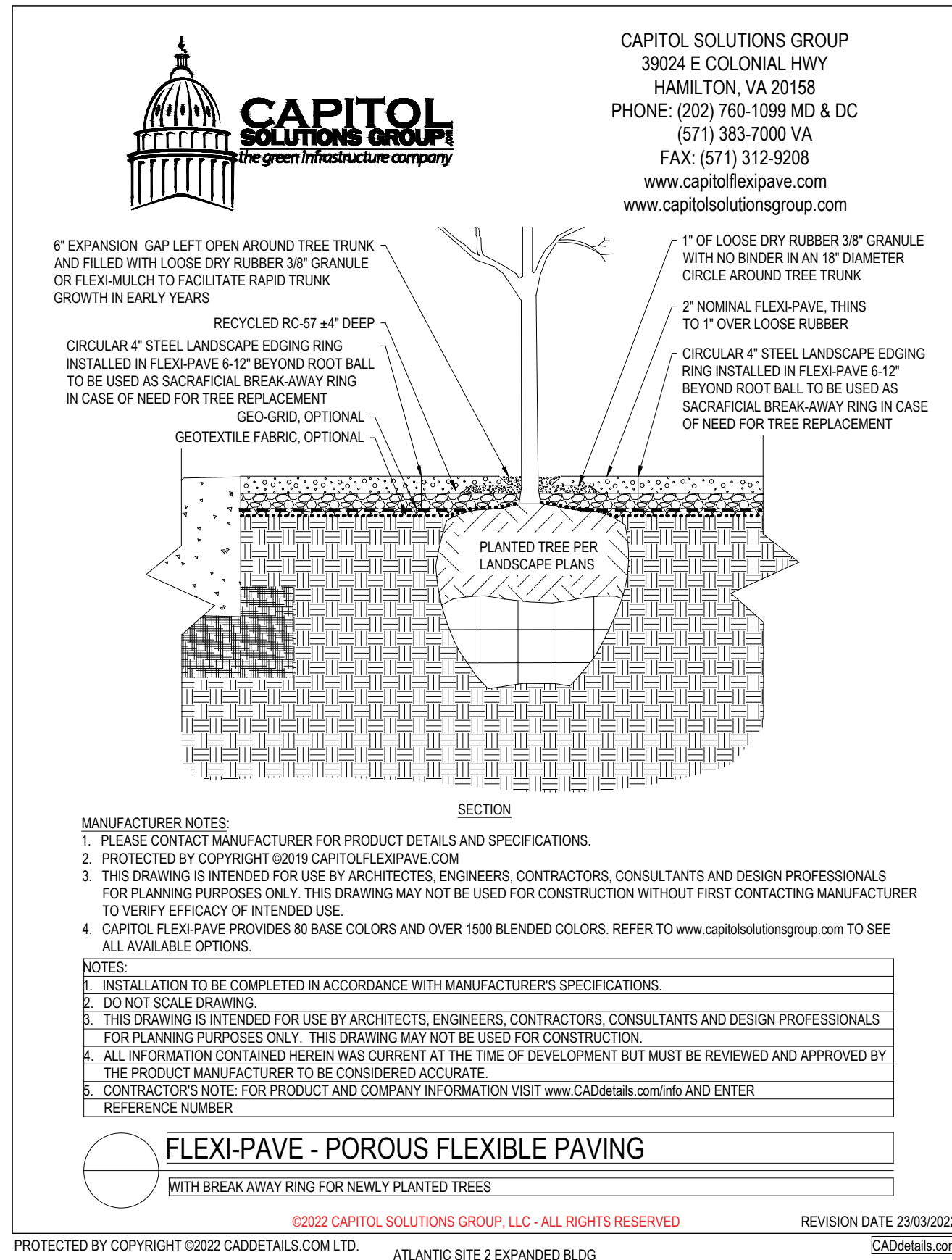


- All Plants shall be Florida No.1 or better
- Contractor Shall be familiar w/ the Landscape code and shall comply with all of its applicable requirements.
- Contractor shall verify all quantities indicated at time of bid.
- Contractor shall provide unit prices at time of bid.
- All contractors working on the project shall be licensed and fully insured as required.
- Tree and palm staking shall be removed between 6 and 12 months after planting.

### STRUCTURAL SOILS

The use of structural soil is required in paved sites to provide adequate soil volumes do for the tree roots under pavement. This is to be provided at a minimum of 8' radii off tree trunks.

### Flexi-Pave installation Detail



IRRIGATION NOTE:  
An automatic properly functioning underground irrigation system with a rain sensing cutoff device shall be designed and installed in compliance with the SFWMD, Florida Building Code and city Building Code requirements. The rain sensing cutoff device shall be located and installed in such a manner that the building eaves, balconies and similar overhangs do not interfere with the operation of the device. The irrigation system shall be properly maintained in good working order and provide a minimum coverage of 100% with 100% overlap.

Per LDR 4.6.16(F) : Complete Irrigation Design Plans shall be provided at time of Building Permit Applications.

All invasive exotic plants must be removed from the property.  
The site shall be maintained "exotic free" in perpetuity.



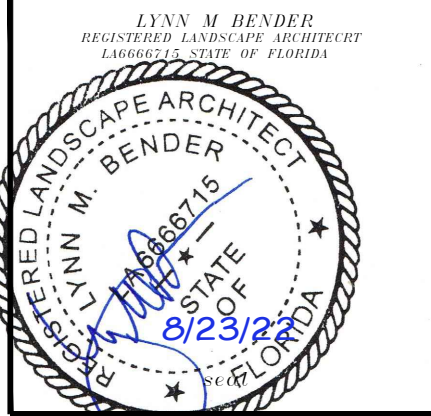
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE LANDSCAPE ARCHITECT &/OR PROJECT TEAM. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE PROJECT TEAMS EXPRESS WRITTEN PERMISSION. All copyrights reserved © 2019 CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY LA, ARCHITECT &/OR ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

REVISION	DATE
1 TAC staff comments	3/30/22
2 TAC staff comments	6/30/22

**LBLA, Inc.**  
Landscape Architecture  
5610 Adair Way  
Lake Worth, FL 33467  
Phone: 561-644-3237  
LbenderLarch@gmail.com  
FL-A6666715

PROJECT ARCHITECTS :  
**ZYSCOVICH**  
ARCHITECTS  
250 Park Avenue, Suite 510  
Winter Park, FL 32789  
t 407.674.1959  
e info@zyscovich.com  
w www.zyscovich.com

PIERRE DELRAY PHASE 2 - SPRAB SITE PLAN PACKAGE  
(aka New MXU Building)  
SW corner of Atlantic Ave. & SE 3rd Ave.  
City of Delray Beach, Florida  
**LANDSCAPE DETAILS & SPECIFICATIONS**



PROJECT NO. 19-014	CADD I.D. ATLANTIC SITE 2
DRAWN BY : LMB	CHECKED BY : LMB
SCALE : DATE :	1" = 20'-0" JULY 29, 2021
SHEET :	LP2 OF 2 SHEETS





REVISION	DATE



**LBLA, Inc.**  
Landscape Architecture  
5610 Adair Way  
Lake Worth, FL 33467  
Phone: 561-644-3237  
lbenderlarch@gmail.com  
FL-LA6666715

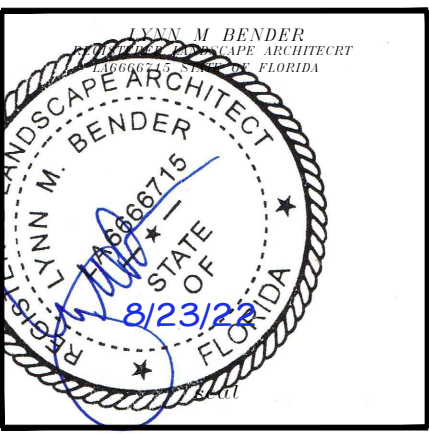
PROJECT ARCHITECTS:

**ZYSCOVICH**  
ARCHITECTS

250 Park Avenue, Suite 510  
Winter Park, FL 32789  
t 407.674.1959  
e info@zyscovich.com  
www.zyscovich.com

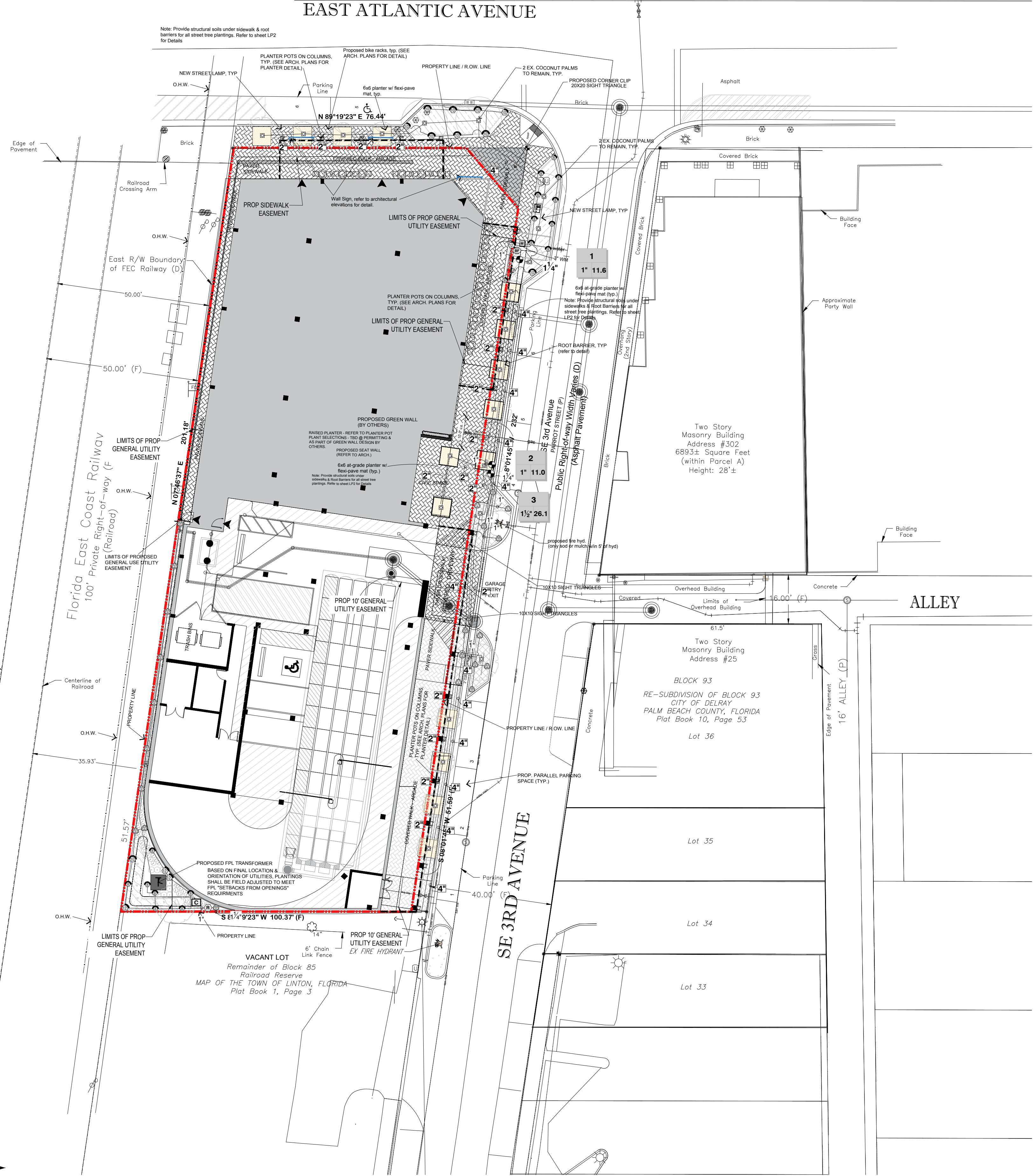
PIERRE DELRAY PHASE 2 - SPRAB SITE PLAN PACKAGE  
(aka New MXU Building)  
SW corner of Atlantic Ave. & SE 3rd Ave.  
City of Delray Beach, Florida

**PROPOSED IRRIGATION PLAN**
















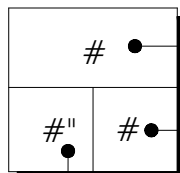


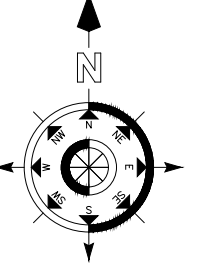
PROJECT NO. 19-014	CADD I.D. ATLANTIC SITE 2
DRAWN BY: JA	CHECKED BY: LMB
SCALE: 1" = 20'-0"	DATE: JULY 01, 2022
SHEET: IR-1	1 OF 2 SHEETS

STATE ROAD 806  
66' Public Right-of-way (P)  
**EAST ATLANTIC AVENUE**



**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	RADIUS
	Hunter PROS-12 5' strip spray	4	LCS	30	5'x15'
	Hunter PROS-12 5' strip spray	6	RCS	30	5'x15'
	Hunter PROS-12 5' strip spray	12	SST	30	5'x30'
	Hunter PROS-12 8' radius	15	180	30	8'
	Hunter PROS-12 8' radius	3	90	30	8'
	Hunter PROS-12 10' radius	8	180	30	10'
	Hunter PROS-12 10' radius	2	90	30	10'
	Hunter PROS-12 12' radius	4	90	30	12'
	Hunter PCB 50	22	360	30	3'
SYMBOL	MANUFACTURER/MODEL	QTY			
	Hunter PGV-101G 1"	2			
	Hunter PGV-151 Globe 1-1/2"	1			
	Febco 765 2"	1			
	Hunter PC-400	1			
	Hunter RAIN-CLIK	1			
	Water Meter 3"	1			
Irrigation Lateral Line: PVC Class 200 SDR 21 1"		810.2 l.f.			
Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4"		219.7 l.f.			
Irrigation Mainline: PVC Class 200 SDR 21 1 1/4"		83.0 l.f.			
Pipe Sleeve: PVC Schedule 40 2"		135.7 l.f.			
Pipe Sleeve: PVC Schedule 40 4"		132.7 l.f.			
Valve Callout					
		Valve Number			
		Valve Flow			
		Valve Size			

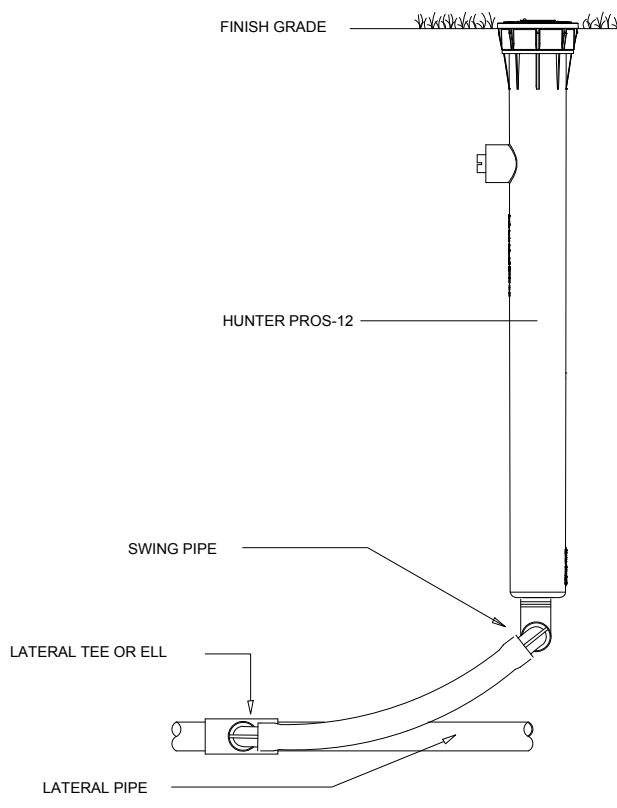


**PROPOSED IRRIGATION PLAN**

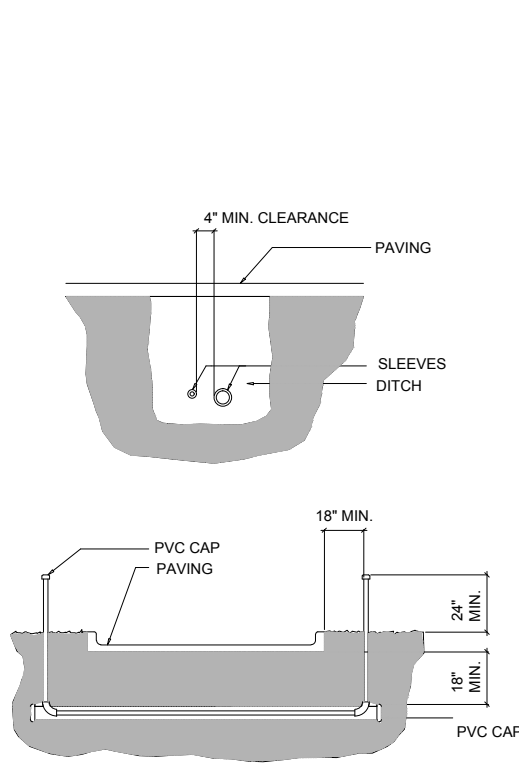
All invasive exotic plants must be removed from the property.  
The site shall be maintained "exotic free" in perpetuity.

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE LANDSCAPE ARCHITECT &/OR PROJECT TEAM. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE PROJECT TEAM'S EXPRESS WRITTEN PERMISSION. All copyrights reserved © 2022. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY LA, ARCHITECT &/OR ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

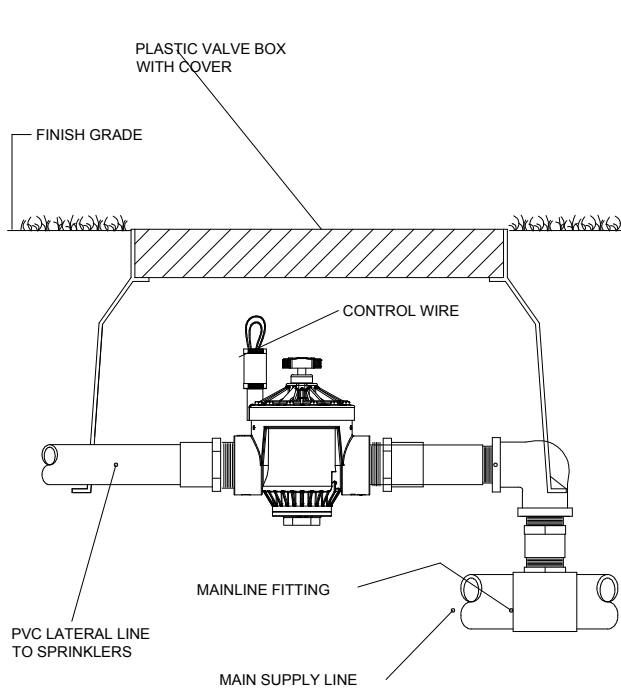




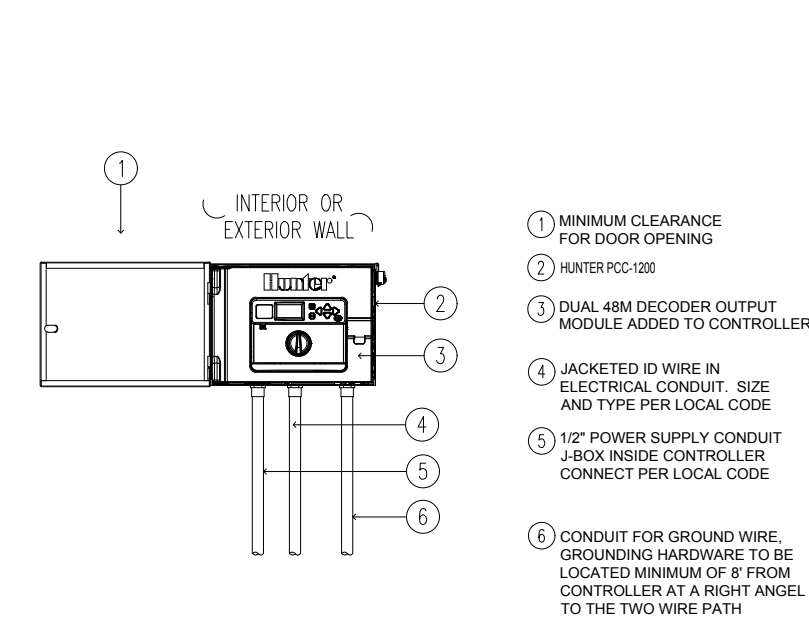
POP-UP SPRAY SPRINKLER



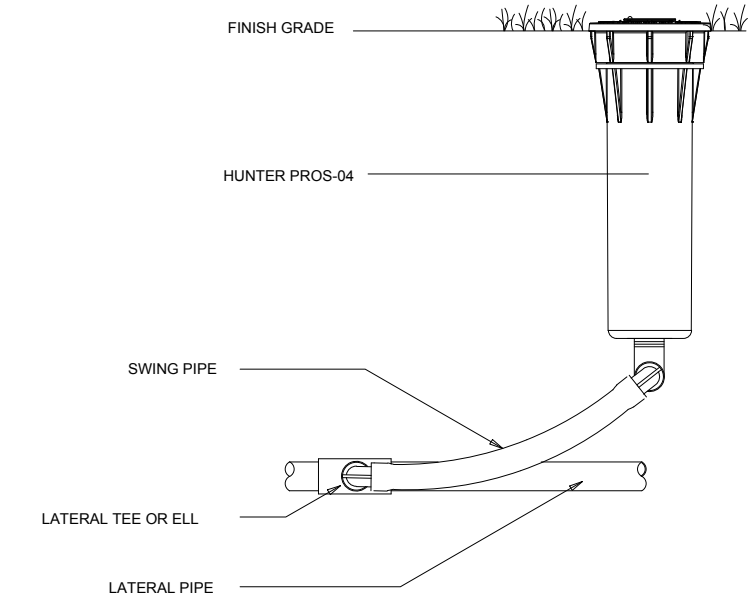
IRRIGATION SLEEVING



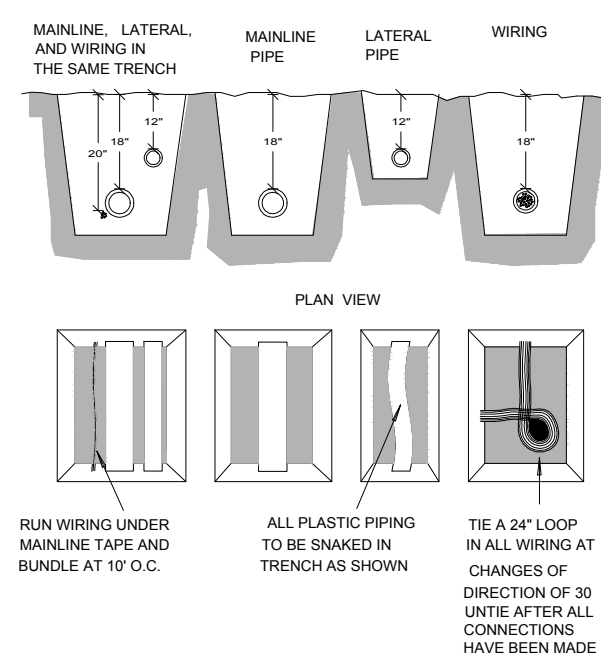
REMOTE CONTROL VALVE



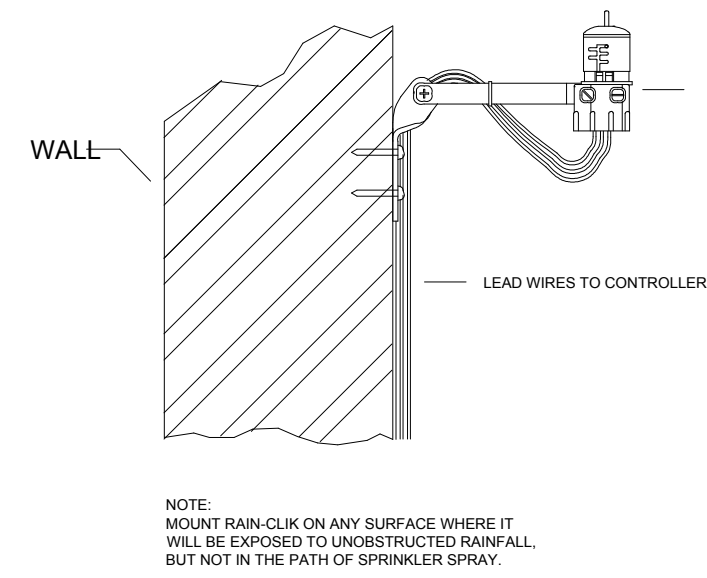
HUNTER PRO-C CONTROLLER



POP-UP SPRAY SPRINKLER



PIPE AND WIRE TRENCH



HUNTER RAIN-CLIK RAIN SENSOR

## IRRIGATION SPECIFICATIONS

1. IRRIGATION POINT OF CONNECTION SHALL BE CAPABLE OF DELIVERING A VARIABLE FLOW RATE OF 30 GPM AT A CONSTANT PRESSURE OF 50 PSI DOWNSTREAM OF BACKFLOW PREVENTION DEVICE.POINT OF CONNECTION SHALL BE ABLE TO MAINTAIN THE MAXIMUM FLOW RATE AND PRESSURE FOR THE DURATION OF AN IRRIGATION CYCLE. CONTRACTOR SHALL VERIFY THESE PARAMETERS PRIOR TO CONSTRUCTION, AND NOTIFY OWNER'S REPRESENTATIVE AND IRRIGATION CONSULTANT IF THEY CANNOT BE MET.
2. IF THE POINT OF CONNECTION EXCEEDS THE ABOVE PRESSURE REQUIREMENTS, A PRESSURE REGULATOR SHALL BE INSTALLED AT THE OWNER'S EXPENSE. PRESSURE REGULATOR SHALL BE SET AT THE PRESSURE RECOMMENED ABOVE.
3. AN PVB TYPE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED IN A MANNER SATISFYING LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS.
4. POWER FOR THE IRRIGATION CONTROLLER, PUMP AND OTHER ELECTRICAL COMPONENTS SHALL BE PROVIDED BY OTHER. CONTRACTOR SHALL VERIFY POWER AVAILABLE MEETS THE REQUIREMENTS OF THE COMPONENT'S MANUFACTURER. IF POWER AVAILABLE IS INADEQUATE, CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
5. IRRIGATION SYSTEM IS DISPLAYED SCHEMATIC IN NATURE. MINOR FIELD ADJUSTMENTS MAY BE NECESSARY TO ACCOMMODATE FOR LANDSCAPING CHANGES, PLANTING BEDS OR OTHER OBSTRUCTIONS. THESE ADJUSTMENTS MAY BE MADE ONLY AFTER NOTIFYING THE OWNER'S REPRESENTATIVE.
- 6.SOME IRRIGATION COMPONENTS AND PIPING ARE SHOWN IN HARDSCAPE AREAS AND OUTSIDE OF PROPERTY LINES TO IMPROVE ON THE READABILITY OF THE IRRIGATION PLAN. ALL COMPONENTS AND PIPING SHALL BE INSTALLED INSIDE OF THE PROPERTY LINES AND OUTSIDE OF HARDSCAPE AREAS.
7. MAINLINE, LATERALS AND CONTROL WIRES SHALL BE INSTALLED INSIDE THE SAME TRENCH WHENEVER POSSIBLE..
8. SYSTEM TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
9. CONTROLLER SHALL BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS.
10. ALL WIRE SHALL BE #18 DIRECT BURIAL U.F. MULTI-CABLE.
11. ALL FIELD WIRE ABOVE GRADE OR WITHIN STRUCTURE TO BE INSTALLED IN CONDUIT PER LOCAL CODE.
12. ALL UNDERGROUND SPLICES TO UTILIZE 3M DBY, OR KING WATER PROOF SPLICE KITS, DEPENDING ON NUMBER AND SIZE OF WIRES. ALL SPLICES SHALL BE MADE INSIDE A VALVE BOX.
13. DEPTH OF IRRIGATION PIPING;18" ON MAINLINE; 12" ON LATERALS.
14. SLEEVING UNDER PAVED AREAS SHALL BE INSTALLED AT A DEPTH OF 24".

## CRITICAL ANALYSIS

P.O.C. NUMBER: 01

Water Source Information:

FLOW AVAILABLE	
Water Meter Size:	3"
Flow Available	225 GPM

PRESSURE AVAILABLE	
Static Pressure at POC:	50.00 PSI
Elevation Change:	5.00 ft
Service Line Size:	4"
Length of Service Line:	20 ft
Pressure Available:	47.00 psi

DESIGN ANALYSIS	
Maximum Station Flow:	26.06 GPM
Flow Available at POC:	225 GPM
Residual Flow Available:	198.94 GPM

Pressure Req. at Critical Station:	38.04 PSI
Loss for Fittings:	0.2 PSI
Loss for Main Line:	2.03 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	3.3 PSI
Loss for Water Meter:	1 PSI
Critical Station Pressure at POC:	44.57 PSI
Pressure Available:	47 PSI
Residual Pressure Available:	2.43 PSI

## VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PIPE	DESIGN PSI	FRICTION LOSS	VALVE LOSS	PSI	PSI @ POC	PRECIP
1	Hunter PGV-101G	1"	Shrub Spray	11.64	182.7	30	0.46	1.8	32.26	36.53	1.33 in/h
2	Hunter PGV-101G	1"	Bubbler	11.00	369.9	30	0.54	1.84	32.38	37.01	1.7 in/h
3	Hunter PGV-151 Globe	1-1/2"	Shrub Spray	26.06	477.3	30	5.04	3	38.04	44.57	1.71 in/h

REVISION	DATE



**LBLA, Inc.**  
Landscape Architecture

5610 Adair Way  
Lake Worth, FL 33467  
Phone: 561-644-3237  
LbenderLarch@gmail.com  
FL-LA6666715

PROJECT ARCHITECTS :

**ZYSCOVICH**  
ARCHITECTS

250 Park Avenue, Suite 510  
Winter Park, FL 32789  
t 407.674.1959

e info@zyscovich.com  
w www.zyscovich.com

PIERRE DELRAY PHASE 2 - SPRAB SITE PLAN PACKAGE  
(aka New MXU Building)

SW corner of Atlantic Ave. & SE 3rd Ave.  
City of Delray Beach, Florida

IRRIGATION DETAILS & SPECIFICATIONS

LYNN M BENDER  
REGISTERED LANDSCAPE ARCHITECT  
ARLINGTON STATE OF FLORIDA

PROFESIONAL SEAL  
LMB  
08/23/22  
FLORIDA

PROJECT NO: 19-014	CADD I.D. ATLANTIC SITE 2
DRAWN BY: JA	
CHECKED BY: LMB	
SCALE: 1" = 20'-0"	
DATE: JULY 01, 2022	
SHEET : IR-2 DETAILS	
2 OF 2 SHEETS	

