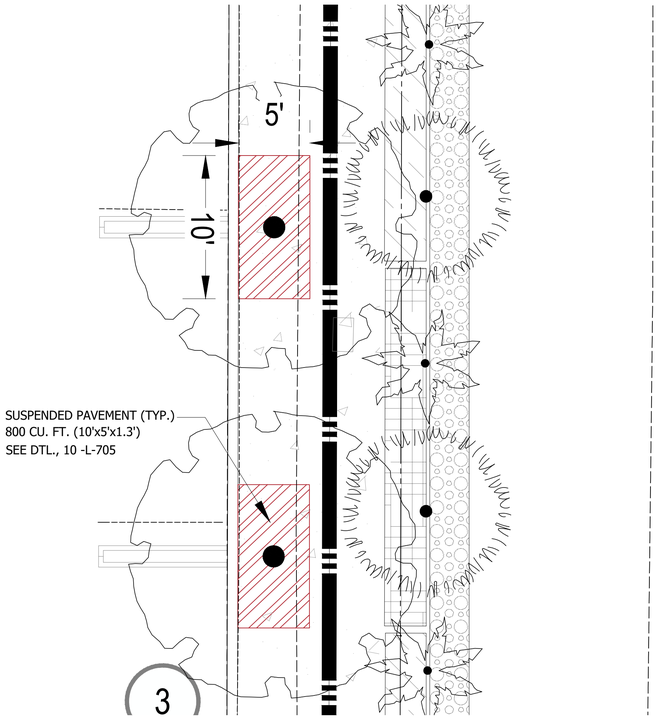


11 SILVA CELL TYP. DETAIL

PLAN

1" = 5'-0"

This detail shall be used in conjunction with Silva Cells for Trees Details and Specifications.

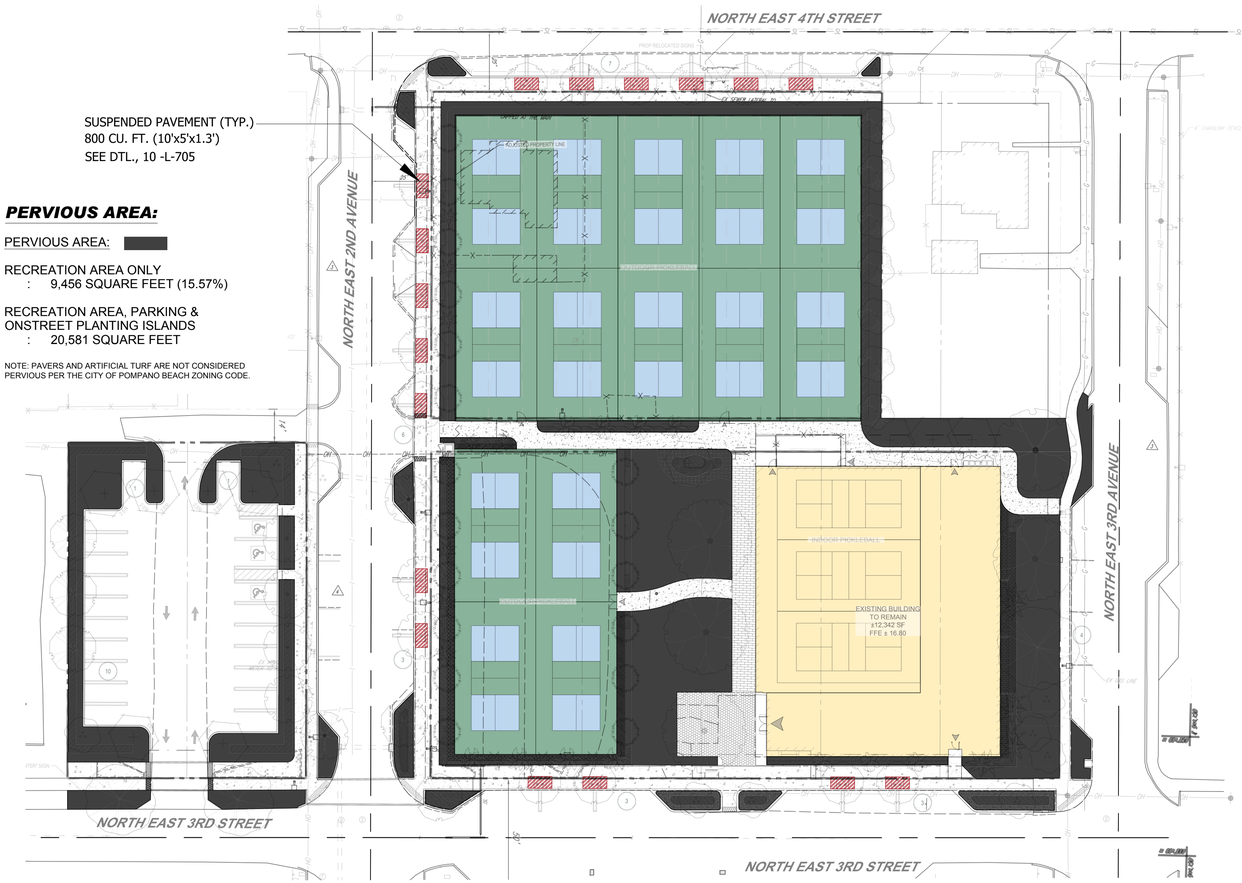
The above information contained in this standard detail is not to scale.

The standard detail is provided for general education and informational purposes only and does not constitute an endorsement, approval or recommendation of any kind. The actual suitability and applicability of this information for a given use depends upon a wide variety of considerations, including specific project specifications, over which DeepRoot® has no information or control. This standard detail should NOT be used as a basis for volume calculations that are site specific and vary greatly depending on cell and deck spacing, soil conditions and soil compaction. All DeepRoot® Silva Cell products are sold with the understanding that the purchaser, either individually or in consultation with purchaser's design professionals, has independently determined the suitability of each product for the application for which it is purchased. Except as expressly provided, DeepRoot® disclaims all warranties, express or implied, and strongly encourages the reader to consult with a construction/design professional and/or engineer before applying any of this information to a specific use or purpose.

14 SILVA CELL SUPPLEMENTAL DETAILS

SECTION

NTS



SUSPENDED PAVEMENT (TYP.)
800 CU. FT. (10'x5'x1.3')
SEE DTL., 10 -L-705

PERVIOUS AREA:

PERVIOUS AREA:

RECREATION AREA ONLY
: 9,456 SQUARE FEET (15.57%)

RECREATION AREA, PARKING & ONSTREET PLANTING ISLANDS
: 20,581 SQUARE FEET

NOTE: PAVERS AND ARTIFICIAL TURF ARE NOT CONSIDERED PERVIOUS PER THE CITY OF POMPANO BEACH ZONING CODE.

15 PERVIOUS AREA DIAGRAM

PLAN

NTS

SILVA CELL SUPPLEMENTAL DETAILS

These are a generic supplemental details applications and should be altered to reflect project conditions.

Silva Cell supplemental details shall be used in conjunction with Silva Cell standard details for streetscape, plaza, and/or parking lot applications

Silva Cell supplemental details can be used with any standard pavement profile (concrete, pavers, asphalt or porous pavements) and with a 1, 2, or 3-layer system.

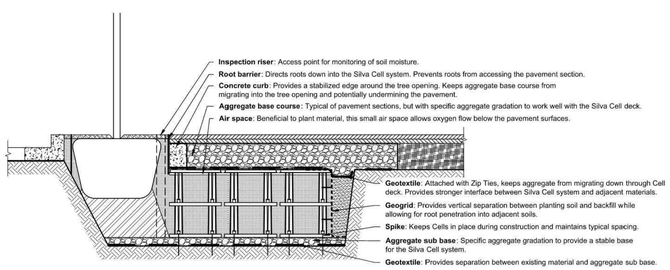
SUPPLEMENTAL DETAILS

- ☐ Construction Depths
- ☐ Minor Gap Bridging
- ☐ Bridging with Slab-Section 1
- ☐ Bridging with Slab-Section 2
- ☐ Bridging with Aggregate-Section 1
- ☐ Bridging with Aggregate-Section 2
- ☐ Bridging with Aggregate-Footing
- ☐ Stepping
- ☐ Stepping with Geogrid

UNIQUE APPLICATIONS

- ☐ Breakout Zone
- ☐ On-Structure
- ☐ Green Wall
- ☐ Parking Bay-Section 1
- ☐ Parking Bay-Section 2
- ☐ Tree Grate
- ☐ Inspection Riser
- ☐ Arbor Tie

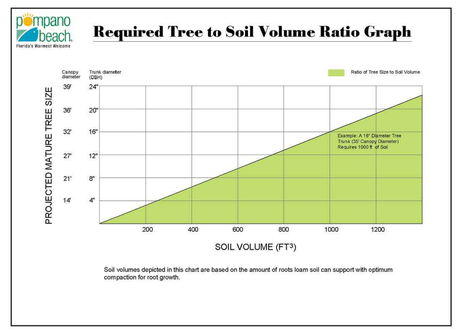
SILVA CELL SYSTEM COMPONENTS



16 SILVA CELL DETAILS & SOIL VOLUME

SECTION

NTS



Soil volumes depicted in this chart are based on the amount of roots loam soil can support with optimum compaction for root growth.

CODE	QTY	BOTANICAL NAME	COMMON NAME	SOIL VOLUME (SQ. FT.3)
CANOPY TREES				
BA	8	BULNESIA ARBOREA	MARACAIBO LIGNUM VITAE	580 CUBIC SQ. FT.
QV	7	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	1250 CUBIC SQ. FT.
UNDERSTORY TREES				
LI	10	LAGERSTROEMIA INDICA X FAURIEI 'NATCHEZ'	NATCHEZ CRAPE MYRTLE MULTI-TRUNK	500 CUBIC SQ. FT.
LJ	12	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	500 CUBIC SQ. FT.

SOIL VOLUME PER TREE SPECIES:

NOTE PER THE CITY OF POMPANO BEACH:

REQUIRED SOIL VOLUMES PER TREE SPECIES LOCATED WITHIN SUSPENDED PAVEMENT SYSTEM SHALL ADHERE TO SOIL VOLUME MINIMUMS AS DESCRIBED PER THE GRAPH ABOVE. BASED ON THE DEPTH OF THE WATER TABLE 3 STACK AS OPPOSED TO THE 2 STACK SYSTEM SHALL BE CONSIDERED AS A VIABLE OPTION TO REACH REQUIRED SOIL VOLUMES. CONTRACTOR SHALL VERIFY WATER TABLE DEPTH TO AVOID STRUCTURAL ISSUES. ALL PRODUCTS SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS. REFER TO CIVIL PLANS FOR CONSTRUCTION. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND ENGINEER OF RECORD.

DRC

PZ-24-12000019

08/06/2025

Jan 10, 2025
BOHLER (FL)
J:\2024\FLB240130.00-0A\...\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\P-CIVIL-LAND-FLB240130.00-0A-----LAYOUT: L-705 LANDSCAPE DETAILS

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
INDUSTRIAL ENGINEERING
PERMITTING SERVICES
TRANSPORTATION SERVICES
THE WORKING IDEAS AND CONCEPTS OF THIS PLANS (DRAWING) ARE ORIGINAL AND SHALL NOT BE USED FOR ANY PURPOSE, WHICH THEY WERE NOT PREPARED, WITHOUT THE EXPRESS WRITTEN AUTHORIZATION FROM BOHLER. ONLY APPROVED, SEALED PLANS SHALL BE UTILIZED FOR CONSTRUCTION PURPOSES
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REVISIONS

REV	DATE	COMMENT	DRAWN BY / CHECKED BY

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Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.
Check positive response codes before you dig!

ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: FLB240130.00-0A
DRAWN BY: GD
CHECKED BY: BW
DATE: 09/11/2024
CAD I.D.: P-CIVL-LAND

PROJECT:

PROP. SITE PLAN DOCUMENTS

FOR

POMPANO PICKLE, LLC

PROPOSED DEVELOPMENT

210-217 NE 3RD STREET
POMPANO BEACH, FL
BROWARD COUNTY

BOHLER
1900 NW CORPORATE BOULEVARD
SUITE 101E
BOCA RATON, FLORIDA 33431
Phone: (561) 571-0280
Fax: (561) 571-0281
FLORIDA BUSINESS CERT. OF AUTH. No. 30780

BRETT MICHAEL WALDMAN LICENSED LANDSCAPE ARCHITECT LA 6667549 STATE OF FLORIDA

Digitally signed by Brett Waldman
DN: E=bwaldman@bohlerengr.com, CN=Brett Waldman, O="BOHLER ENGINEERING FL, LLC", L=Boca Raton, C=US
SERIALNUMBER=MAS20501140406D11, C=US
Date: 2025.04.15 12:01:10-04'00'

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BRETT MICHAEL WALDMAN, PLA, ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

SHEET TITLE:

LANDSCAPE DETAILS

SHEET NUMBER:

L-705

ORG. DATE - 09/11/2024