

BID SUBMITTAL

To:

Village of Wellington

12300 Forest Hill Blvd.

Wellington, Florida 33414

Duffy's Total Care Lawn Service Inc.

(Vendor)

agrees to provide material for the Palm tree pruning + Root Pruning in accordance with the requirements and specifications of the Bid Documents for the Village of Wellington as specified.

Gentlemen:

The undersigned Bidder has carefully examined the Specification requirements, Bid/Contract Documents and is familiar with the nature and extent of the Work and any local conditions that may in any manner affect the Work to be done.

The undersigned agrees to provide the service called for by the Specifications and Bid Documents, in the manner prescribed therein and to the standards of quality and performance established by the Wellington for the Bid price stated in the spaces herein provided.

The undersigned agrees to the right of the Wellington to hold all Bids and Bid guarantees for a period not to exceed one hundred and twenty (120) days after the date of Bid opening stated in the Invitation to Bid.

The undersigned accepts the invoicing and payment policies specified in the Bid.

Carolyn Medders  
Contractor's Signature

Dated this 26<sup>th</sup> day of May, 2020

(Month)

(Year)

BID COVER PAGE

**SUBMIT BIDS TO:**  
Wellington  
Attn: Clerk's Office  
12300 Forest Hill Blvd  
Wellington, FL 33414

**REFER ALL INQUIRIES TO PRIMARY CONTACT:**  
Purchasing Division  
12300 Forest Hill Blvd  
Wellington, FL 33414  
Phone:561-791-4154

Wellington  
**INVITATION TO BID**  
COMMODITY/SERVICE

**BID TITLE:**  
Palm Tree Pruning and Root Pruning

**BID NO:**  
ITB 202026

**NAME OF FIRM, ENTITY, or ORGANIZATION:**

Duffys Total Care Lawn Service, Inc.

**NAME OF CONTACT PERSON**

Carolyn Geddes

**VENDOR MAILING ADDRESS:**

10190 52nd Place S. Lake Worth

**CITY:**

**ZIP:**

33449 FL

**STATE:**

**TITLE**

President

**VENDOR HEADQUARTERS ADDRESS (IF DIFFERENT):**

Same

**CITY:**

**ZIP:**

**STATE:**

**PHONE NUMBER:**

561-433-0095

**FEDERAL EMPLOYER IDENTIFICATION NUMBER (EIN):**

59-2752441

**EMAIL ADDRESS:**

duffyslandscape@comcast.net

**STATE OF FLORIDA BUSINESS LICENSE NUMBER (IF APPLICABLE)**

**FAX NUMBER:**

561-433-0006

**ORGANIZATIONAL STRUCTURE (Please Check One):**

Corporation

Partnership

Proprietorship

Joint Venture

Other

*If Corporation, please provide the following:*

(A) Date of Incorporation: 2 / 1 / 1985  
Month / Day / Year

(B) State or Country of Incorporation: Florida

**SCHEDULE OF VALUES**

**SECTION A – 12" – 14" ROOT PRUNING AND ROOT BARRIER INSTALLATION**

Item	Unit of Measure	Unit Cost
1. Root Pruning per specifications <del>1</del>	1 LF	\$ 4.95
2. Supply and Install Root Barrier per specifications to a depth of 19.5"	1 LF	\$ 20.25
3. Supply and Install Root Barrier per specifications to a depth of 36"	1 LF	\$ 31.50
4. Supply and Install Root Barrier per specifications to a depth of 48"	1 LF	\$ 42.00
Supply and Install Root Barrier per specifications to a depth of 12"	1 LF	\$ 7.75
<b>Section A Total (Items 1-4)</b>		<b>\$ 106.45</b>

EXCEPTIONS TO BID: Yes  No , if so explain and provide original manufacturer's brochure with bid submittal

At depth of both 36" and 48" Diobarrier is not available.

We recommend, and prices above reflect) Deep Root panels.

Brochure included in this bid.

**SECTION B – PALM TREE PRUNING**

Item	Unit of Measure	Unit Cost
1. Washingtonian palms:	EA	\$ 21.75
2. General palms (Sabal, Ribbon Palm, Queen, Royal, Fan):	EA	\$ 15.75
3. Large Date palms (Canary Island, Medjool):	EA	\$ 29.00
4. Coconut palms:	EA	\$ 21.50
5. Mechanical boot removal:	LF	\$ 5.00
<b>Grand Total: Section B (Items 1-5)</b>		<b>\$ 93.00</b>

**BIDDER/CONTRACTOR** understands that contractor will be paid based upon work actually performed and accepted by Wellington. Per tree price shall include all labor, materials, transportation, equipment, fuel and all other items necessary to complete the work. All items incidental to or necessary for the completion of the project shall be included in the price.

Wellington will evaluate Palm Tree Pruning and Root Pruning independently. Wellington reserves the right to award each area independently. Bidder may submit pricing for one or two areas. When submitting pricing for any area, bidders must bid on all items in that area. Each area shall be awarded to the lowest, responsive and responsible Bidder, taking into consideration pricing, experience, staffing, equipment, materials, references and past performance.

## QUESTIONNAIRE

The following Questionnaire shall be completed and submitted in with the Bid. By submission of this Bid, Bidder guarantees the truth and accuracy of all statements and answers herein contained.

1. How many years has your organization been in business? 35 years
2. What is the last project of this nature that you have completed?  
Palm pruning is completed on a daily basis Monday through Friday.  
Our most recent root pruning with bio barrier installation was on 5/13/2020
3. Have you ever failed to complete work awarded to you? If so, where and why? No

4. Name three individuals or corporations for which you have performed work and to which you refer:

<u>Villa San Remo</u>	<u>c/o Marilyn Gordon</u>	<u>9875 Erica Court, Boca Raton, FL 33496</u>	<u>561-287-1898</u>	<u>spatz2u@aol.com</u>
<small>Name</small>	<small>Address</small>	<small>Phone</small>	<small>Phone</small>	<small>Email</small>
<u>Polo Trace</u>	<u>c/o Ron Jamrek</u>	<u>13481 Polo Trace Dr, Delray Beach, FL 33446</u>	<u>561-499-1992</u>	<u>pthca@comcast.net</u>
<small>Name</small>	<small>Address</small>	<small>Phone</small>	<small>Phone</small>	<small>Email</small>
<u>Delray Beach Club Apts</u>	<u>c/o Heidi Dalton</u>	<u>2000 S. Ocean Blvd, Delray, FL 33483</u>	<u>561-278-8181</u>	<u>heidi.dalton@fsresidential.com</u>
<small>Name</small>	<small>Address</small>	<small>Phone</small>	<small>Phone</small>	<small>Email</small>

5. List the following information concerning all contracts in progress as of the date of submission of this bid. (In case of co-venture, list the information for all co-venturers.)

Name of Project	Owner	Total Contract Value	Contracted Date of Completion	% of Completion to Date
<u>Somerset @ Abacoa</u>	<u>Leslie Susich</u>	<u>19062.00</u>	<u>5/29/2020</u>	<u>65%</u>
<u>Huntington Lakes</u>	<u>Suzi Holmes</u>	<u>21036.00</u>	<u>5/29/2020</u>	<u>60%</u>

6. Has the bidder or his or her representative inspected the proposed project and does the Bidder have a complete plan for its performance? Yes
7. Will you subcontract any part of this work? If so, give details including a list of each subcontractor(s) that will perform work in excess of the percent (10%) of the contract amount and the work that will be performed by each subcontractor(s). No

Subcontractor	Work to be Performed

8. What equipment do you own that is available for the work? Vermeer 5800TX mini skid steer w/ root prune attachment

Equipment Type	Equipment Type
<u>Bucket trucks</u>	<u>5800 Vermeer mini skid steer Root Pruner</u>
<u>Pole cats</u>	<u>chippers.</u>
<u>Dump trucks</u>	

9. What equipment will you purchase for the proposed work? None

10. What equipment will you rent for the proposed work? None
11. State the name of your proposed project manager and give details of his or her qualifications and experience in managing similar jobs.  
Brian Duffy - 35 years tree service Mark Roe - 25+ years tree service + landscape  
Jim Hernandez - 25+ years tree + landscape
12. The address of principal place of business is 10190 52nd Place South, Lake Worth, FL 33449
13. The names of the Corporate Officers, or Partners, or Individuals doing business under a trade name, are as follows: \_\_\_\_\_  
President - Carolyn Geddes Vice President - Brian Duffy  
Treasurer - Mark Roe Secretary - Brianna Duffy
14. List all organizations which were predecessors to Bidder or in which the principals or officers of the Bidder were principals or officers. \_\_\_\_\_  
None
15. List and describe all bankruptcy petitions (Voluntary or Involuntary) which have been filed by or against the Bidder, its parent or subsidiaries or predecessor organizations during the past five (5) years. Include in the description the disposition of each such petition. \_\_\_\_\_  
None
16. List and describe all successful Performance or Payment Bond claims made to your surety(ies) during the last five (5) years. The list and descriptions should include claims against the bond of the Bidder and its predecessor organization(s). \_\_\_\_\_  
None
17. List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Bidder or its predecessor organization(s) during the last five (5) years. The list shall include all case names; case, arbitration, or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute. \_\_\_\_\_  
None
18. List and describe all criminal proceedings or hearings concerning business related offenses in which the Bidder, its principals or officers or predecessor organization (s) were defendants. \_\_\_\_\_  
None
19. Has the Bidder, its principals, officers, or predecessor organization(s) been debarred or suspended from bidding by any government during the last five (5) years? If yes, provide details. no
20. List and disclose any and all business relations with any members of Wellington Council. None

## DRUG FREE WORKPLACE

Preference shall be given to businesses with drug-free workplace programs. In order to have a drug-free workplace program, a business must attest to the following:

1. We publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. We inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. We give each employee engaged in providing the commodities or contractual services that are under Bid a copy of the statement specified in subsection (1).
4. We, in the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under Bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. We impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. We make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

  
\_\_\_\_\_  
Contractor's Signature

SWORN STATEMENT UNDER SECTION 287.133(3)(a),  
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to Village of Wellington  
[print name of the public entity]  
by Duffys Total Care Lawn Service Inc for Carolyn Geddes, President  
[print name of entity submitting sworn statement] [print individual's name and title]

whose business address is 10190 52nd Pl. S. Lw, FL 33449 and (if applicable) its Federal Employer Identification  
Number (FEIN) is 59-2752441 (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn  
statement: \_\_\_\_\_.)

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:  
a. A predecessor or successor of a person convicted of a public entity crime; or  
b. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

4. I understand that a "person" as defined in Paragraph 287.133(1)(c), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. [Please indicate which statement applies.]

Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. [attach a copy of the final order]

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

STATE OF Florida

COUNTY OF Palm Beach

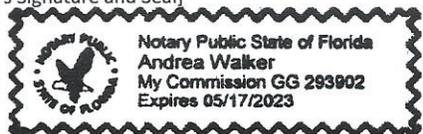
Carolyn Geddes  
[signature]  
5/27/2020  
[date]

Subscribed and Sworn to (or affirmed) before me on 5/27/2020 by Carolyn Geddes  
[date] [name]

He/she is personally known to me or has presented N/A as identification.  
[type of identification]

Andrea Walker  
[Notary's Signature and Seal]

Andrea Walker  
Print Notary Name and Commission No.



**APPLICATION TO BE CONSIDERED A LOCAL BUSINESS IN ACCORDANCE WITH  
VILLAGE OF WELLINGTON FLORIDA'S LOCAL PREFERENCE POLICY**

Wellington gives preference to local businesses in certain purchasing situations as set forth in Chapter 9 of Wellington's Purchasing and Procurement Manual. In order to be considered a local business, entitled to be given preference, the business must make application with Wellington and meet one of the following criteria as such is more fully set forth in Chapter 9, of Wellington's Purchasing and Procurement Manual:

**Chapter 9, LOCAL PREFERENCE**

**Western Communities Local Business** - For the purpose of determining a "Western Communities local business" a vendor must have a principal permanent business location and headquarters within Wellington of Wellington, Florida or west of the Florida Turnpike to the Palm Beach County western boundary line as depicted in Exhibit "A" hereto. This applies to all entity formations, including, but not limited to, limited liability companies, partnerships, limited partnerships and the like or sole proprietors. Further, the entity or sole proprietor must provide that it, he or she has been domiciled and headquartered in the jurisdictional boundaries of the Western Communities for at least six months prior to the solicitation. Post Office boxes will not be considered a permanent business location within the Western Communities. Home business offices shall be considered as a business location if it otherwise meets the requirements herein. In order to be eligible for such local preference the vendor shall have a local business tax receipt pursuant to the County's and/or municipalities' Code of Ordinances, having jurisdiction over the location of the business, unless otherwise exempt therefrom. Further, the vendor must be properly licensed and authorized by law to provide the goods, services or professional services to the extent applicable and the location of the business must be properly zoned in order for the vendor to conduct its business.

**Palm Beach County local business** - For the purpose of determining a "Palm Beach County local business" a vendor must have a principal permanent business location and headquarters within Palm Beach County, Florida. This applies to all entity formations, including, but not limited to, limited liability companies, partnerships, limited partnerships and the like or sole proprietors. Further, the entity or sole proprietor must provide that it, he or she has been headquartered and domiciled in the jurisdictional boundaries of Palm Beach County, Florida for at least six months prior to the solicitation. Post Office boxes will not be considered a permanent business location within Palm Beach County, Florida. Home business offices shall be considered as a business location if it otherwise meets the requirements herein. In order to be eligible for such local preference the vendor shall have a local business tax receipt pursuant to the Palm Beach County Code of Ordinances as amended from time to time, unless otherwise exempt there from. Further, the vendor must be properly licensed and authorized by law to provide the goods, services or professional services to the extent applicable and the location of the business must be properly zoned in order for the vendor to conduct its business.

**Subcontractor utilization** - In competitive bid situations, a business may also qualify as either a Palm Beach County or Western Community local business if they are utilizing subcontractors to perform the work or materialmen to supply the job and more than fifty (50%) percent of their proposed bid price will be paid to subcontractors and/or materialmen who qualify, under the above standards, as Palm Beach County and/or Western Community local businesses.

Please check the box below indicating which preference category your business is applying for:

Western Communities Local Business

Palm Beach County Local Business

Subcontractor Utilization

1. The name of the business is: Duffy's Total Care Lawn Service Inc.
2. The address of the business is: 10190 52nd Place S, LW, FL 33449
3. How long has the business been located at its current address: 25 years
4. If the business has relocated within the last six months, please provide the answers to questions 1-3 for the previous location:
5. The previous name of the business is: \_\_\_\_\_
6. The previous address of the business is: \_\_\_\_\_

7. How long was this business at the previous location: \_\_\_\_\_

8. If the business is attempting to qualify under the subcontractor utilization provision, please provide a breakdown of the subcontractors who would qualify for either the Palm Beach County or Western Community, business classification, the requisite information, provide their responses to the above 1 - 7 questions and for each of the subcontractors, indicate the amount that they are proposed to be compensated at under the bid price.

9. The business as a local business tax receipt from: (1) Palm Beach County  (2) the following municipality: \_\_\_\_\_ (3) located in unincorporated Palm Beach County:

10. Please provide a copy of Local Business Tax Receipts from Palm Beach County and the applicable municipality are attached.

11. Please provide a Certificate of Good Standing indicating the formation or domestication of the entity in and for the State of Florida is attached.

12. Please provide copies of licenses if applicable from the State of Florida authorizing the business to provide the good services or professional services contemplated in the bid documents.

By signing below, I hereby certify that under penalty of perjury I believe my business qualifies as a Palm Beach County, Western Community or subcontractor utilization business in accordance with Wellington's Local Preference Policy and that I have submitted current and accurate information and documents relating to my qualifications. I further acknowledge and agree that any fraudulent or duplicitous information submitted in furtherance of this application will be grounds for disqualification from bidding on this project and doing business with Wellington in the future.

Applicants Federal Tax ID Number - 592752441 Applicants Business Address 10190 52nd Place South  
Lake Worth, FL 33449

Signature of Authorized Representative of Corporation, Partnership, or other business entity:

Sign: Carolyn Geddes

Print Name: Carolyn Geddes

Title: President

Date: 5/27/2020

CITY OF: Lake Worth

COUNTY OF: Palm Beach

SUBSCRIBED AND SWORN TO (or affirmed) before me on this 27<sup>th</sup> day of May, 2020, by Carolyn Geddes. He/She is personally known to me or has presented \_\_\_\_\_ as identification.

Andrea Walker

(Signature of Notary)

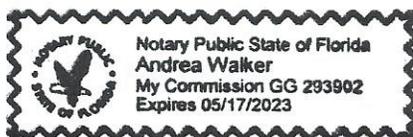
Andrea Walker

(Print or Stamp Name of Notary)

Notary Public Florida

(State)

Notary Seal



**CONFLICT OF INTEREST STATEMENT**

This Proposal/Agreement (whichever is applicable) is subject to the conflict of interest provisions of the policies and Code of Ordinances of WELLINGTON, the Palm Beach County Code of Ethics, and the Florida Statutes. During the term of this Agreement and any renewals or extensions thereof, the VENDOR shall disclose to WELLINGTON any possible conflicts of interests. The VENDOR's duty to disclose is of a continuing nature and any conflict of interest shall be immediately brought to the attention of WELLINGTON. The terms below shall be defined in accordance with the policies and Code of Ordinances of WELLINGTON, the Palm Beach County Code of Ethics, and Ch. 112, Part III, Florida Statutes.

**CHECK ALL THAT APPLY:**

**NO CONFLICT:**

To the best of our knowledge, the undersigned business has no potential conflict of interest for this Agreement due to any other clients, contracts, or property interests.

To the best of our knowledge, the undersigned business has no employment or other contractual relationship with any WELLINGTON employee, elected official or appointed official.

To the best of our knowledge, the undersigned business has no officer, director, partner or proprietor that is a WELLINGTON purchasing agent, other employee, elected official or appointed official. The term "purchasing agent", "elected official" or "appointed official", as used in this paragraph, shall include the respective individual's spouse or child, as defined in Ch. 112, Part III, Florida Statutes.

To the best of our knowledge, no WELLINGTON employee, elected official or appointed official has a material or ownership interest (5% ownership) in our business. The term "employee", "elected official" and "appointed official", as used in this paragraph, shall include such respective individual's relatives and household members as described and defined in the Palm Beach County Code of Ethics.

To the best of our knowledge, the undersigned business has no current clients that are presently subject to the jurisdiction of WELLINGTON's Planning, Zoning and Building Department.

**CONFLICT:**

The undersigned business, by attachment to this form, submits information which may be a potential conflict of interest due to any of the above listed reasons or otherwise.

THE UNDERSIGNED UNDERSTANDS AND AGREES THAT THE FAILURE TO CHECK THE APPROPRIATE BLOCKS ABOVE OR TO ATTACH THE DOCUMENTATION OF ANY POSSIBLE CONFLICTS OF INTEREST MAY RESULT IN DISQUALIFICATION OF YOUR BID/PROPOSAL OR IN THE IMMEDIATE CANCELLATION OF YOUR AGREEMENT, WHICHEVER IS APPLICABLE.

Duffy's Total Care Lawn Service Inc.  
COMPANY NAME  
Carolyn Geddes  
AUTHORIZED SIGNATURE  
Carolyn Geddes  
NAME (PRINT OR TYPE)

NON-COLLUSION AFFIDAVIT

State of Florida

County of Palm Beach

Being duly sworn deposes and says:

That he/she is an officer of the parties making the forgoing bid submittal, that the bid is made without prior understanding, agreement, or connection with any individual, firm, partnership, corporation or other entity submitting a bid for the same materials, services, supplies or equipment, either directly or indirectly, and is in all respects fair and without collusion or fraud. No premiums, rebates, or gratuities are permitted with, prior to, or after any delivery of material or provision of services. Any violation of this provision may result in disqualification, contract cancellation, return of materials or discontinuation of services, and the possible removal of Bidder from the vendor Bid lists

Duffys Total Care Lawn Service Inc .  
Name of Bidder

Carolyn Geddes  
Print name of designated signatory

Carolyn Geddes  
Signature

President  
Title

On this 27<sup>th</sup> day of May, 2020, before me appeared Carolyn Geddes personally known to me to be the person described in and who executed this \_\_\_\_\_ and acknowledged that (she/he) signed the name freely and voluntarily for the uses and purposes therein described.

In witness thereof, I have hereunto set my hand and affixed seal the day and year last written above.

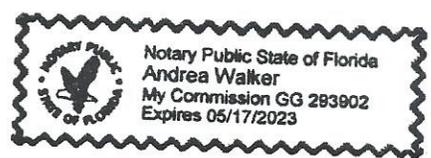
Andrea Walker  
Signature

Notary Public in and for the State of Florida

Andrea Walker  
(Name Printed)

Residing at 2550 NE 11<sup>th</sup> Street 33062  
Pompano Beach, FL

My commission expires 05/17/2023



(Affix Seal Here)



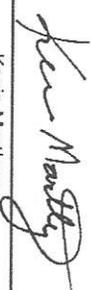
# INTERNATIONAL SOCIETY OF ARBORICULTURE CERTIFIED ARBORIST™

Carolyn Geddes

Having successfully completed the requirements set by the Arborist Certification Board of the International Society of Arboriculture, the above named is hereby recognized as an ISA Certified Arborist®



Jim Skiera, Executive Director  
International Society of Arboriculture



Kevin Marlage  
Director of Professional Development  
International Society of Arboriculture



FL-9266A  
Certification Number

3 May 2017  
Certified Since

30 Jun 2020  
Expiration Date



**Village of Wellington**

12300 Forest Hill Blvd., Wellington, FL 33414  
(561) 791-4000 | BTR@wellingtonfl.gov

**2019-2020**

**LOCAL BUSINESS TAX RECEIPT**

**Business Name:** Duffy's Total Care Lawn Service, Inc.  
DBA: Duffy's Total Care Lawn Service, Inc.

**Business Location:** 10190 52nd Pl S  
Lake Worth, FL 33449

**Owner:** Brian Duffy

**License Number:** BTR-003572-2019

**Issued Date:** 12/11/2019

**Expiration Date:** 9/30/2020

**Sub Classification:** Mobile Lawn and Garden Services

**Business Type(s):** 561730 Landscape care and maintenance services

**Mailing Address:** 10190 52nd Pl S  
Lake Worth, FL 33449

**License Type:** Business Tax Receipt

**Classification:** Landscape Registration

Lynn Barth, Master Business Tax Official

This receipt expires September 30th of each year. It is your responsibility to renew your receipt annually.

**TO BE POSTED IN A CONSPICUOUS PLACE**



**ANNE M. GANNON**  
 CONSTITUTIONAL TAX COLLECTOR  
*Serving Palm Beach County*

P.O. Box 3353, West Palm Beach, FL 33402-3353  
 www.pbctax.com Tel: (561) 355-2264

**\*\*LOCATED AT\*\***  
 10190 52ND PLACE SO  
 LAKE WORTH, FL 33467

*Serving you.*

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
56-0081 TREE SERVICE	DUFFY BRIAN		B19.561978 - 07/29/19	\$33.00	B40108603

This document is valid only when received by the Tax Collector's Office.

B2 - 385

DUFFY'S TOTAL LAWN SERVICE INC  
 DUFFY'S TOTAL LAWN SERVICE INC  
 10190 52ND PL S  
 LAKE WORTH, FL 33449-5418

**STATE OF FLORIDA**  
**PALM BEACH COUNTY**  
**2019/2020 LOCAL BUSINESS TAX RECEIPT**

**LBTR Number: 200302238**  
**EXPIRES: SEPTEMBER 30, 2020**

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and **MUST** be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.



**ANNE M. GANNON**  
 CONSTITUTIONAL TAX COLLECTOR  
*Serving Palm Beach County*

P.O. Box 3353, West Palm Beach, FL 33402-3353  
 www.pbctax.com Tel: (561) 355-2264

**\*\*LOCATED AT\*\***  
 10190 52ND PLACE SO  
 LAKE WORTH, FL 33467-0000

*Serving you.*

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
56-0030 LAWN MAINTENANCE	DUFFY BRIAN		B19.561977 - 07/29/19	\$99.00	B40108604

This document is valid only when received by the Tax Collector's Office.

B1 - 385

DUFFY'S TOTAL CARE LAWN SERVICE INC  
 DUFFY'S TOTAL CARE LAWN SERVICE INC  
 10190 52ND PL S  
 LAKE WORTH, FL 33449-5418

**STATE OF FLORIDA**  
**PALM BEACH COUNTY**  
**2019/2020 LOCAL BUSINESS TAX RECEIPT**

**LBTR Number: 200302236**  
**EXPIRES: SEPTEMBER 30, 2020**

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**ANNE M. GANNON**  
 CONSTITUTIONAL TAX COLLECTOR  
*Serving Palm Beach County*

P.O. Box 3353, West Palm Beach, FL 33402-3353  
 www.pbctax.com Tel: (561) 355-2264

**\*\*LOCATED AT\*\***  
 10190 52ND PLACE SOUTH  
 LAKE WORTH, FL 33467-5418

*Serving you.*

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
42-0047 NURSERY/PLANT PRODUCTS	DUFFY BRIAN		B19.562023 - 07/29/19	\$33.00	B40139353

This document is valid only when received by the Tax Collector's Office.

B1 - 467

DUFFY'S TOTAL CARE LAWN SERVICES INC  
 DUFFY'S TOTAL CARE LAWN SERVICES INC  
 10190 52ND PL S  
 LAKE WORTH, FL 33449-5418

**STATE OF FLORIDA**  
**PALM BEACH COUNTY**  
**2019/2020 LOCAL BUSINESS TAX RECEIPT**

**LBTR Number: 199612891**  
**EXPIRES: SEPTEMBER 30, 2020**

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and **MUST** be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

# *State of Florida*

## *Department of State*

I certify from the records of this office that DUFFY'S TOTAL CARE LAWN SERVICE, INC. is a corporation organized under the laws of the State of Florida, filed on July 14, 1986.

The document number of this corporation is J23883.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 28, 2020, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Twenty-seventh day of May,  
2020*



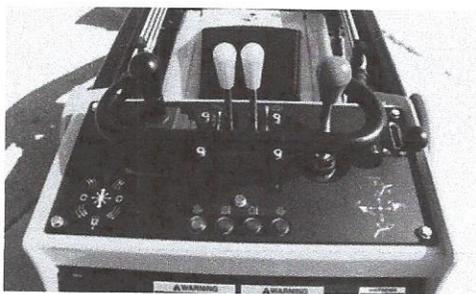
*Randy R. Lee*  
**Secretary of State**

Tracking Number: 7133666644CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

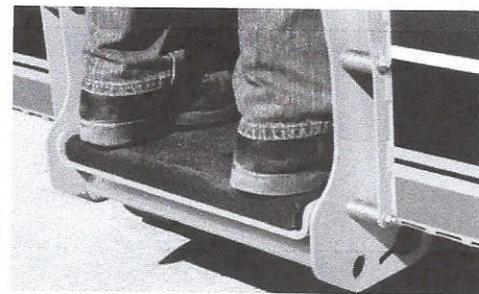
# S800TX MINI SKID STEER



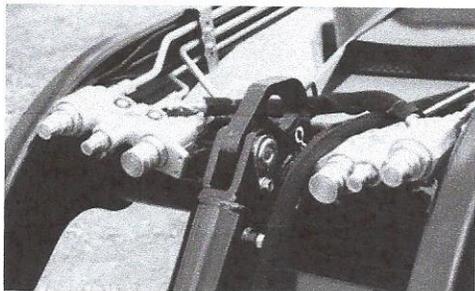
**DRIVABILITY.** Ground drive is controlled by a single, pilot-operated joystick, giving the operator a smooth range of motion, while a single dual-axis joystick controls boom/bucket motion. Warning lights for engine oil pressure, engine temperature and hydraulic oil temperature are located near the controls.



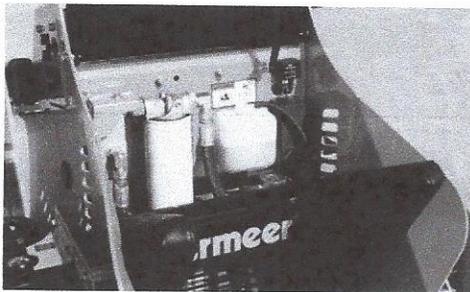
**LOADER ARM WARRANTY.** The 3-year/3000-hour extended limited warranty on the frame and loader arms offers you peace of mind, in addition to the 1-year/1000-hour Vermeer equipment limited warranty.



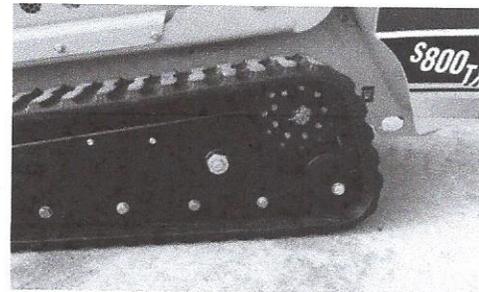
**ABOVE THE FRAY.** A dedicated, spring-cushioned platform keeps the operator out of the mud. The integrated operator presence system suspends ground drive and powered boom/bucket motion when the operator steps off the platform.



**LOW FLOW NEEDED.** An optional dual hydraulic auxiliary adds a low-flow option to the hydraulic circuit for use with dual-function attachments.



**SERVICE MADE EASY.** Pop open a panel for access to the hydraulic filter, radiator fill and electrical control board.



**DON'T WEAR IT OUT.** A high-mounted track sprocket eliminates wear caused by ground contact.

# S800TX MINI SKID STEER

## GENERAL

Length: 84" (213.4 cm)

Width: 40.5" (102.9 cm)

Height: 57" (144.8 cm)

Weight: 2950 lb (1338.1 kg)

Hinge pin height: 84.5" (214.6 cm)

Ground clearance: 6" (15.2 cm)

Track width: 9" (22.9 cm)

Ground pressure: 3.6 psi (24.8 kPa)

## ENGINE OPTION #1 DOMESTIC

Make/Model: Kubota WG1605

Gross horsepower: 40 hp (29.8 kW)

Torque (max): 88.5 ft-lb (120 Nm) @ 2400 RPM

Displacement: 93.8 cu in (1.5 L)

Fuel type: Gasoline

Fuel system capacity: 14.5 gal (54.9 L)

Fuel consumption: 2.8 gal/h (10.6 L/h)

Number of cylinders: 4

Cooling medium: Liquid

Max engine operating angle: 30°\*

\*Engine operating angles do not include safe machine operating angles

## ENGINE OPTION #2 INTERNATIONAL

Make and model: Kubota V1505

Gross horsepower: 35 hp (26.1 kW)

Torque (max): 88.5 ft-lb (120 Nm) @ 2400 RPM

Displacement: 91.4 cu in (1497.8 cu cm)

Fuel type: Diesel

Fuel system capacity: 14.5 gal (54.9 L)

Number of cylinders: 4

Cooling medium: Liquid

Max engine operating angle: 30°\*

\*Engine operating angles do not include safe machine operating angles

## PERFORMANCE

ISO-rated operating capacity: 840 lb (381 kg)

Tipping load (with operator): 2400 lb (1088.6 kg)

Max forward travel speed: 4.5 mph (7.2 km/h)

## HYDRAULIC SYSTEM

Hydraulic tank capacity: 11.5 gal (43.5 L)

Auxiliary pump high flow: 15 gpm (56.8 L/min)

Auxiliary pump low flow: 9 gpm (34.1 L/min)

Auxiliary pump relief: 3045 psi (210 bar)

Ground drive pump flow: 12.3 gpm (46.6 L/min)

Ground drive pump relief: 3625 psi (249.9 bar)

Fittings: Quick coupler

## OPERATIONAL/ELECTRICAL

Steering: Single, pilot operated joystick

Boom lift/ curl: Single, dual-axis joystick

Battery: 12 V (500 CCA)

12 volt auxiliary power port

## SAFETY

Operator presence system

Boom lock-out arm

Hydraulic parking brake

Console cushions

## OPTIONS

Dual auxiliary hydraulics

Special paint

Extended warranty

Planned maintenance

Vermeer Confidence Plus® asset protection program

## NOTES:

Vermeer Corporation reserves the right to make changes in engineering, design and specifications; add improvements; or discontinue manufacturing at any time without notice or obligation. Equipment shown is for illustrative purposes only and may display optional accessories or components. Please contact your local Vermeer dealer for more information on machine specifications. Vermeer, the Vermeer logo, Equipped to Do More and Confidence Plus are trademarks of Vermeer Manufacturing Company in the U.S. and/or other countries.

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Vermeer

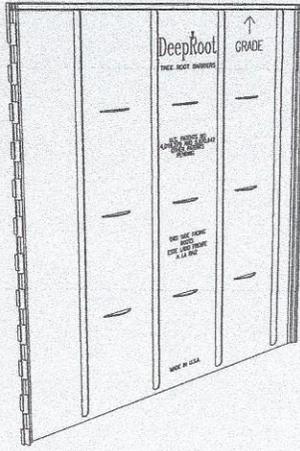


EQUIPPED TO  
DO MORE.

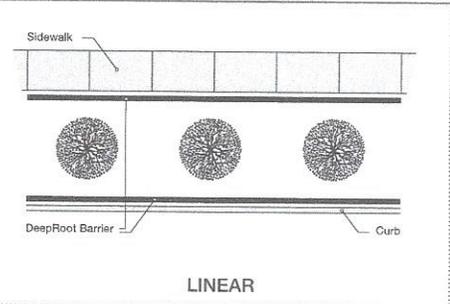
For 36" + 48" since Biobamier is not available in that size from our suppliers.

# Tree Root Guides

Patented mechanical barriers effectively manage root expansion and protect surrounding hardscapes without compromising tree health or growth, and can be used both on new plantings and on existing trees.

Tree Root Guide	SPECIFICATIONS + FEATURES	
	<p><b>APPLICATIONS</b> Redirect tree roots down and away from hardscapes.</p> <p><b>MATERIALS</b> <b>LB 12-2, UB 18-2, and UB 24-2:</b> High-quality 50% post-consumer recycled injection molded co-polymer polypropylene. Manufactured in ISO 9002 certified factories.</p> <p><b>UB 36-2 and UB 48-2:</b> High-quality homopolymer extruded polyethylene.</p> <p><b>SIZES</b>            LB 12-2: 12" (30 cm) x 24" (61 cm)            UB 18-2: 18" (45 cm) x 24" (61 cm)            UB 24-2: 24" (61 cm) x 24" (61 cm)            UB 36-2: 36" (91 cm) x 24" (61 cm)            UB 48-2: 48" (122 cm) x 24" (61 cm)</p>	<p><b>FEATURES</b></p> <p><b>LB 12-2, UB 18-2, and UB 24-2:</b></p> <ul style="list-style-type: none"> <li>• 90° ribs redirect root growth down and underneath the barrier</li> <li>• Patented reinforced double-top edge withstands repeated foot traffic</li> <li>• Added UV inhibitors prevent breakdown from sun exposure</li> <li>• Patented anti-lift ground lock tabs secure the panel in the ground</li> <li>• Made in the USA</li> </ul> <p><b>UB 36-2 and UB 48-2:</b></p> <ul style="list-style-type: none"> <li>• 90° ribs redirect root growth down and underneath the barrier</li> <li>• Sizing adjustable in 1 ft. (.3 m) modules adaptable to any site</li> <li>• Combine with UB 18-2 or UB 24-2 where terrain is of varying depth</li> <li>• Made in the USA</li> </ul>

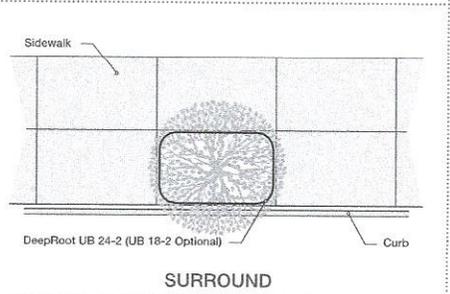
## APPLICATIONS



**LINEAR**  
Provide maximum hardscape protection while utilizing all available rooting space for improved tree health by placing guides in a straight line directly along the hardscape to be protected.

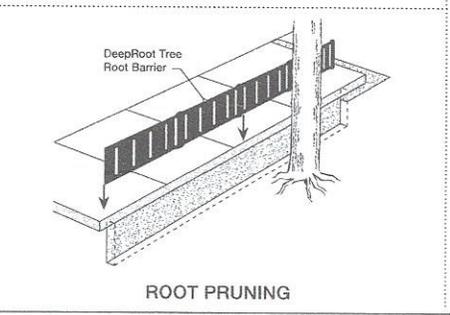
**SURROUND**  
Protect hardscapes that surround a planting on all four sides. Plan to line the perimeter of the planting area with the panels—this provides the maximum available uncompacted soil volume for immediate root growth.

**ROOT PRUNING**  
Root pruning can help save existing trees and prevent future damage to paving. Disruptive roots are cleanly cut and removed; linear Root Barrier is then installed. There are limitations to root pruning and a qualified Certified Arborist should be consulted.



**SPECIALTY APPLICATIONS**  
Help protect sites with unusual requirements—like tennis courts, slopes, cemeteries and retaining walls—from root damage. DeepRoot Tree Root Barriers of different sizes can be used in combination in areas of variable depth.

**ROOT BLOCK**  
In some circumstances it may be more desirable to prevent root intrusion by blocking roots, not redirecting them. Please see our Geomembrane catalog for details.

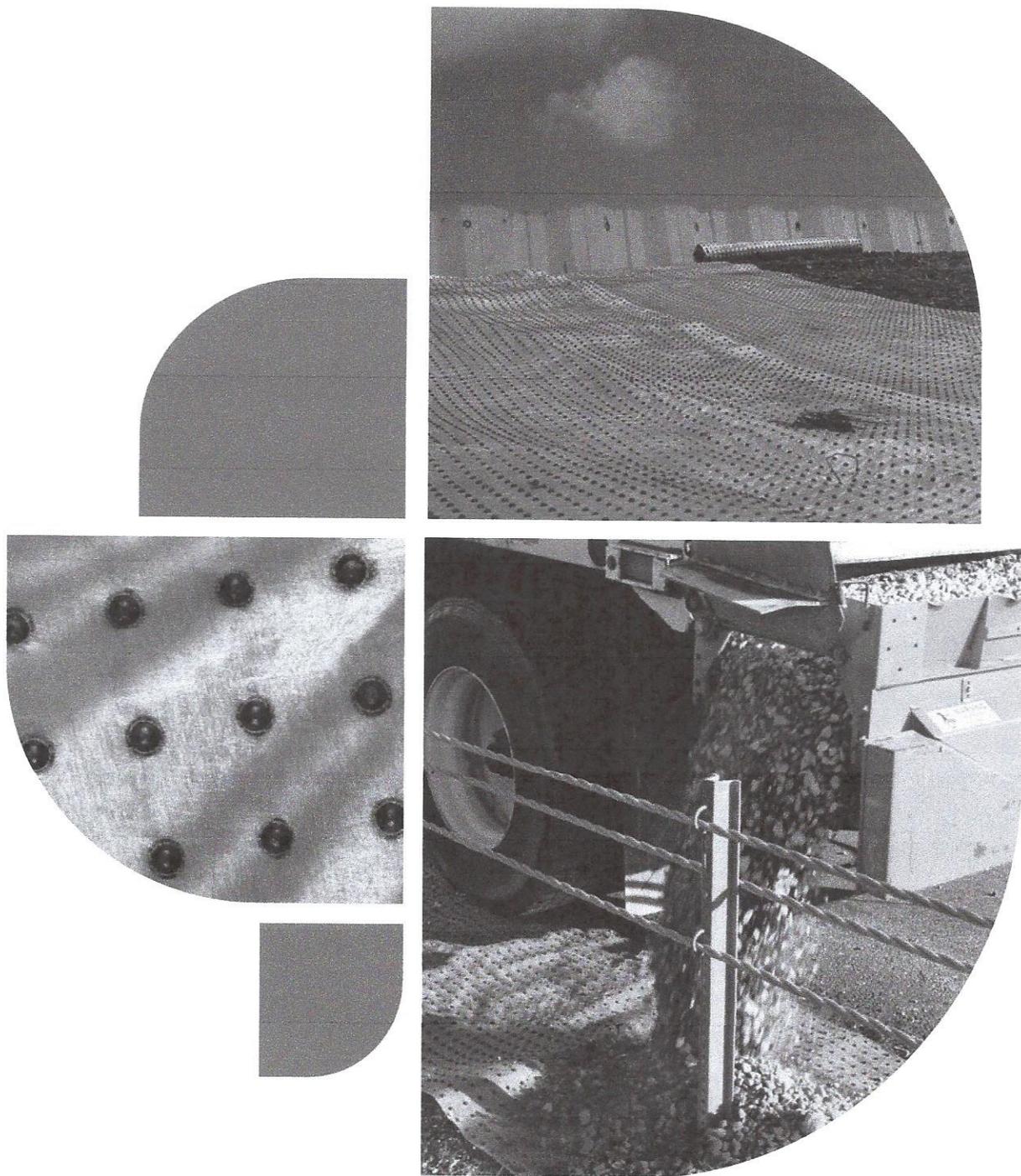


Product #	APPLICATION STYLES					PRODUCT USES					
	Linear	Surround	Root Pruning	Root	Specialty	Sidewalks	Curbs & Gutters	Paths	Medians	Patios	Specialty
LB 12-2	•			•				•			
UB 18-2	•	•		•		•		•		•	
UB 24-2	•	•		•	•	•	•	•	•	•	•
UB 36-2	•			•	•						•
UB 48-2	•			•	•						•

Deep Root Partners, L.P.  
 Corporate Offices: 530 Washington Street, San Francisco, CA 94111  
 Tel: 800 ILV ROOT (458.7668) Fax: 800.277.7668 www.deeproot.com  
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# BIOBARRIER®



 **TYPAR**  
Geosynthetics you can trust

# We Look Different. We Are Different.

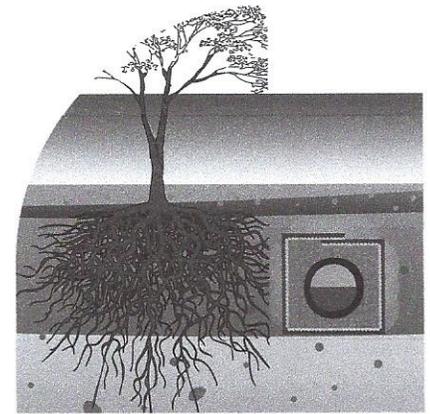
**Hardscapes and landscapes are a big investment, and traditional methods of protecting them have meant repeatedly spending time, effort and money. But a one-time installation of BIOBARRIER Root Control System or BIOBARRIER® Weed Control System means years of security from roots or weeds growing where they're not wanted. Constant maintenance is a thing of the past with these easy-to-use systems, allowing you to spend your time and budget in other areas.**

The interesting looking nodules on the durable geotextile drainage fabric are the secret to our success. They contain trifluralin, and the way it works is simple. Roots grow when root tip cells divide, and trifluralin prevents root tip cell division. Proven by more than 35 years of agricultural use, trifluralin is an effective, non-systemic herbicide; it simply creates a zone around your hardscape and landscape investments that inhibits root growth.

When BIOBARRIER is used for root control, tree roots reaching the zone of trifluralin are redirected, while roots outside the zone continue to grow naturally. When BIOBARRIER is used for weed control, the root systems of weeds do not grow in the trifluralin zone next to the fabric; roots of trees and shrubs in the same area are below the zone and are not affected.

We do look different and we are different; that's why we're effective. In fact, we guarantee BIOBARRIER's performance.

# BIOBARRIER Surround System



**Tree roots seek out air and moisture in the soil, causing expensive damage to underground infrastructure. BIOBARRIER'S unique geotextile design lends flexibility to surround infrastructure, extending the life of your investment**

Removal and disposal of below-ground infrastructure is messy, time-consuming, and costly. In areas with aggressively rooting species, root treatment or complete replacement is required every one to five years. BIOBARRIER is guaranteed to prevent roots from crossing its protective membrane, eliminating long-term costs from clogging or fracturing caused by roots. With a permeable, non-toxic design, BIOBARRIER protects investments without impeding infiltration or drainage which maintains optimal system performance over time.

BIOBARRIER Surround System is used for

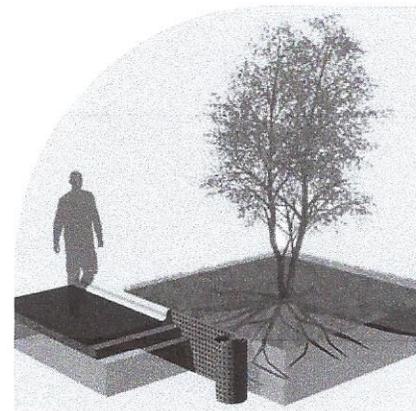
- Septic tanks and leach fields
- Perforated drain tile
- Stormwater drainage pipes
- Underground storage tanks
- City sewer and municipal water pipes

## Product Selector

Root Control Width	12"	19.5"	24"	29"	39"	58.5"
Building Foundations					*	*
Burial Vaults/Tombstones						*
Containers			*	*	*	*
Curbs		*	*			
Drain Lines	*	*	*	*	*	*
Earthdams						*
Golf Greens/Tees/ Cart paths		*	*	*	*	
Landfills						*
Medians			*	*	*	
Paths	*	*	*	*		
Planting Beds		*	*	*	*	*
Pots	*	*				
Retaining Walls				*	*	*
Roads		*	*	*		
Roof Gardens					*	*
Septic Tanks/Fields						*
Sidewalks		*	*	*		

Root Control Width (continued)	12"	19.5"	24"	29"	39"	58.5"
Swimming Pools		*	*	*	*	
Tennis Courts		*	*	*	*	
Underground Pipes/ Cables	*	*	*	*	*	*
Underground Storage Tanks						*
Utility Substations		*	*	*	*	
BIOBARRIER Root Control is available in 20 foot or 100 foot lengths						
Weed Control width				29"	39"	58.5"
Fence Rows				*	*	*
Guardrails				*	*	*
Landscaping				*	*	*
Pavers				*	*	*
Street Medians				*	*	*
Tombstones				*	*	
Tree Skirts						*
Utility Substations						*
BIOBARRIER Weed Control is available in 20 foot or 100 foot lengths						

# BIOBARRIER Root Control System



**Trees and shrubs add value and beauty to property, except when their roots grow into hardscapes, such as sidewalks, buildings and roadways, or into landscaped areas, which are well watered. Then the damage can cost you plenty.**

Used vertically, the BIOBARRIER root control system protects adjacent structures from root damage. Guaranteed protection for 15 years reduces the chance of injury and potential liability, as well as the costs associated with preventative maintenance and damage repair.

BIOBARRIER works invisibly to deflect roots. Its nodules slowly release trifluralin, preventing root tip cell division, which is the method by which roots grow. A small amount of trifluralin is constantly released and as it biodegrades, is continuously replaced, ensuring the effectiveness and long life of the herbicide zone.

Placed beside the object you wish to protect from root damage, BIOBARRIER creates a zone of protection on all sides of the nodules. Roots growing into the zone are redirected while roots outside the zone continue to grow normally; tree health is not impacted since trifluralin is not systemic.

Simply place BIOBARRIER in a narrow trench where protection is needed. Since the system includes a standard drainage fabric, BIOBARRIER allows water, air and nutrients to pass through, not adversely affecting soil hydrology. Complete instructions are available to ensure proper installation.

## **Along Hardscapes**

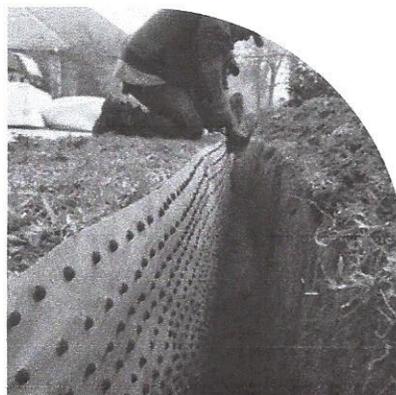
BIOBARRIER is most frequently used along hardscapes such as sidewalks, retaining walls, parking lots, buildings, swimming pools, foundations and other structures to prevent damage from roots. Preventing that damage for 15 years reduces the chances of injury and potential liability, as well as the costs associated with preventive maintenance and damage repair.

## **Under Pots**

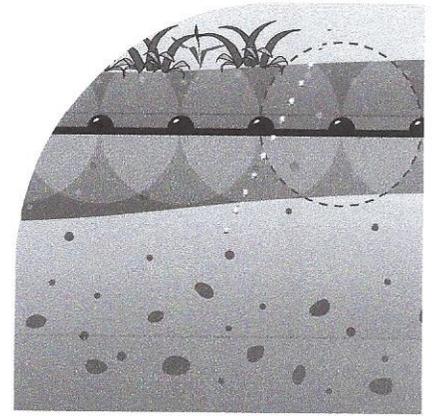
Used inside the larger pot, BIOBARRIER Pot-N-Pot prevents roots from growing through drain holes and attaching to native soil. Because the roots are contained within the pot, less labor is required for harvesting and less damage to roots is caused as trees are removed.

## **In Dams/Levees**

Tree roots can grow into the mechanisms of dams and levees, causing potential havoc and the failure of equipment that can result in flooding. BIOBARRIER ensures the integrity of the dam or levee from roots; at the same time, it allows trees and shrubs to beautify the area.



# BIOBARRIER Weed Control System



**Installed horizontally below three inches of stone/wood mulch, the BIOBARRIER weed control system blocks weeds using two layers of defense: chemical and physical.**

Guaranteed for 10 years, weeds are unable to develop a strong root system in the mulch layer while ornamental tree and shrub roots expand unimpeded below the Trifluralin emitting fabric layer, eliminating unwanted competition and maintenance costs.

Weeds do more than create an unsightly appearance. They compete with desired plants for nutrients and water and can cause dangerous visibility and fire problems. The various traditional methods of dealing with weeds - pulling them by hand, which is not always effective since roots can break and remain; using sprays that can drift into desirable plants or contaminate water; or mechanical weeding - can place workers in unsafe situations. In addition, the time and money necessary for this kind of constant maintenance can be prohibitive.

Trees and shrubs, which have roots below the trifluralin zone, can continue to grow and support the plant. Because Biobarrier is porous, water, air and nutrients can flow through it and not disturb the soil's hydrology. The trees and shrubs you want around will still be able to get the ingredients necessary for their good health.

Our lightweight Biobarrier Weed Control is easy to install because it follows ground contours naturally. Simply remove stones, debris and vegetation, and unroll the fabric over the area. Pull the fabric close to the trunks of trees and shrubs; it will not hurt to touch them because the herbicide only affects root tips. Cover it with two inches of stone, mulch, soil or some other ground cover. Place any leftover fabric in the package it came in, and use the provided tie to seal it to prevent the loss of trifluralin. Complete installation instructions are available and should be followed for proper results.

## **Around Trees**

Weed growth around trees robs them of necessary water and nutrients. In addition, weeds are unattractive and can be harmful since mowers and weedeaters can cause damage to trunks if they get too close. Mulch is frequently used to reduce weed growth, but in many cases, too much is used, which can also damage tree trunks. The Biobarrier Tree Skirt reduces the amount of mulch needed and is pre-cut in two convenient sizes for ease of use. Landscape pins are provided.

## **In Dangerous Locations**

Controlling weeds in sensitive areas such as around highway guardrails, street signs and utility substations can put workers in jeopardy, raising the possibility of injury. Guaranteed for 10 years, Biobarrier Weed Control is a long-term solution, which results in reduced maintenance and improved appearance.

## **In Landscaped Areas**

Landscaped areas are well-watered and richly fertilized, ideal conditions for weeds as well as for more desirable plants. Strategically placed, the zone created by Biobarrier Weed Control inhibits weed root development while allowing trees and shrubs to grow.



Product data sheets, case studies, installation guides and project information request forms are available on request or can be downloaded from [www.typargeosynthetics.com](http://www.typargeosynthetics.com). Please contact our sales team for reference projects or for further advice.

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### A leader in material technology application

By intelligently applying our high-performance fiber technology, we are helping industry solve its most complex material challenges, and providing our customers with the answers they will need tomorrow.

Contact Details  
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Roseville, Minnesota 55113  
877-642-9929 • FAX: 651-797-2319  
[www.biobarrier.com](http://www.biobarrier.com)

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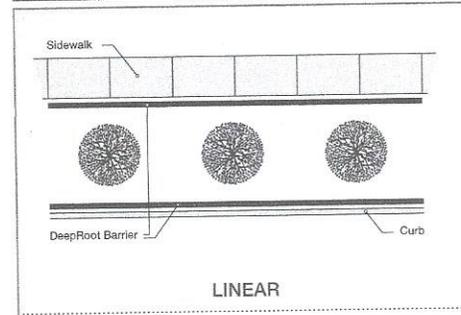
For 36" + 48" since Biobarrier is not available in that size from our suppliers.

## Tree Root Guides

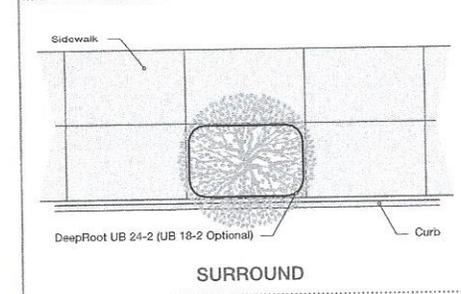
Patented mechanical barriers effectively manage root expansion and protect surrounding hardscapes without compromising tree health or growth, and can be used both on new plantings and on existing trees.

Tree Root Guide	SPECIFICATIONS + FEATURES	
	<p><b>APPLICATIONS</b> Redirect tree roots down and away from hardscapes.</p> <p><b>MATERIALS</b> <b>LB 12-2, UB 18-2, and UB 24-2:</b> High-quality 50% post-consumer recycled injection molded co-polymer polypropylene. Manufactured in ISO 9002 certified factories.</p> <p><b>UB 36-2 and UB 48-2:</b> High-quality homopolymer extruded polyethylene.</p> <p><b>SIZES</b> LB 12-2: 12" (30 cm) x 24" (61 cm) UB 18-2: 18" (45 cm) x 24" (61 cm) UB 24-2: 24" (61 cm) x 24" (61 cm) UB 36-2: 36" (91 cm) x 24" (61 cm) UB 48-2: 48" (122 cm) x 24" (61 cm)</p>	<p><b>FEATURES</b></p> <p><b>LB 12-2, UB 18-2, and UB 24-2:</b></p> <ul style="list-style-type: none"> <li>• 90° ribs redirect root growth down and underneath the barrier</li> <li>• Patented reinforced double-top edge withstands repeated foot traffic</li> <li>• Added UV inhibitors prevent breakdown from sun exposure</li> <li>• Patented anti-lift ground lock tabs secure the panel in the ground</li> <li>• Made in the USA</li> </ul> <p><b>UB 36-2 and UB 48-2:</b></p> <ul style="list-style-type: none"> <li>• 90° ribs redirect root growth down and underneath the barrier</li> <li>• Sizing adjustable in 1 ft. (.3 m) modules adaptable to any site</li> <li>• Combine with UB 18-2 or UB 24-2 where terrain is of varying depth</li> <li>• Made in the USA</li> </ul>

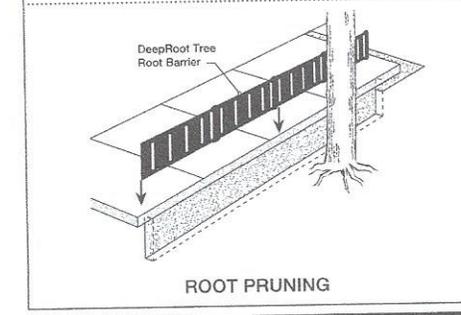
## APPLICATIONS



**LINEAR**  
Provide maximum hardscape protection while utilizing all available rooting space for improved tree health by placing guides in a straight line directly along the hardscape to be protected.



**SURROUND**  
Protect hardscapes that surround a planting on all four sides. Plan to line the perimeter of the planting area with the panels—this provides the maximum available uncompacted soil volume for immediate root growth.



**ROOT PRUNING**  
Root pruning can help save existing trees and prevent future damage to paving. Disruptive roots are cleanly cut and removed; linear Root Barrier is then installed. There are limitations to root pruning and a qualified Certified Arborist should be consulted.

**SPECIALTY APPLICATIONS**  
Help protect sites with unusual requirements—like tennis courts, slopes, cemeteries and retaining walls—from root damage. DeepRoot Tree Root Barriers of different sizes can be used in combination in areas of variable depth.

**ROOT BLOCK**  
In some circumstances it may be more desirable to prevent root intrusion by blocking roots, not redirecting them. Please see our Geomembrane catalog for details.

Product #	APPLICATION STYLES				PRODUCT USES					
	Linear	Surround	Root Pruning	Specialty	Sidewalks	Curbs & Gutters	Paths	Medians	Patios	Specialty
LB 12-2	•		•				•			
UB 18-2	•	•	•		•		•		•	
UB 24-2	•	•	•	•	•	•	•	•	•	•
UB 36-2	•		•	•						•
UB 48-2	•		•	•						•

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