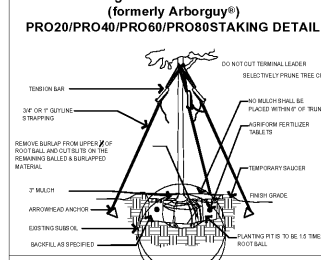


Tree Frog Environmental Products® (formerly Arborguy®)

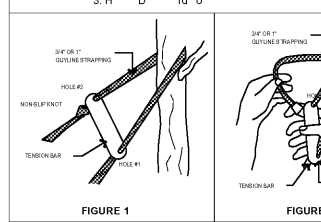


Adjustable Guying Method Using a Tension Bar

The anchors for each kit are best installed using the Integrated Tool Assembly (ITA) from the manufacturer.

- Once the arrowhead anchor has been driven into the ground and set (secured), the guyline should be passed through Hole #1 on the tension bar, then wrapped around the tree trunk just above the lowest established branch. Then, the guyline should be passed through Hole #2 in the tension bar just below the first established branch. After pulling taut any slack, a stop knot is established immediately below Hole #2 in the guyline. (See Figure 1)
- The tension bar is then pulled downward until the tree is straight and the guyline is SNUG (NOT TIGHT). (See Figure 2)
- The tension bar is locked into place by tying the loose end of the guyline itself just above Hole #2. (See Figure 3)

This tensioning method allows the guylines to be readjusted, if necessary, in order to keep the guylines snug until the tree root system is established and the staking material is removed.



Tree Frog® PRO20 SYSTEM

- PRO20**
For up to 2" Caliper Trees
3 ARBORGUY™ Guyline 1/4" x 12' = 600 lb
3 Arrowhead® A or 4 1/2" x 4 1/2"

Tree Frog® PRO40 SYSTEM

- PRO40**
For up to 4" Caliper Trees
(3) ARBORGUY™ Guylines 1" x 12' = 600 lb test
Black or Green, UV resistant, polypropylene strapping
(3) Tool-Free® Tension Bars™
(3) Arrowhead® A or 4 1/2" x 4 1/2"

Tree Frog® PRO60 SYSTEM

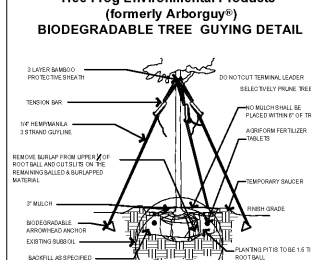
- PRO60**
For up to 6" Caliper Trees
(3) ARBORGUY™ Guylines 1" x 15' = 2400 lb break strength
polyester black strapping
(3) Tool-Free® Tension Bars™
(3) Arrowhead® A or 4 1/2" x 4 1/2"

Tree Frog® PRO80 SYSTEM

- PRO80**
For up to 8" Caliper Trees
(4) ARBORGUY™ Guylines 1" x 15' = 2400 lb break strength black polyester strapping
(4) Steel cable leaders attached to anchors (optional)
(4) Tool-Free® Tension Bars™
(4) Arrowhead® A or 4 1/2" x 4 1/2"

*S A or 1, B o d r d o o r r d o
2 N o o 3, H o r d o

Tree Frog Environmental Products® (formerly Arborguy®)

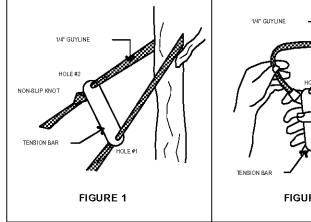


Biodegradable Adjustable Guying Method Using a Tension Bar

The anchors for each kit are best installed using the Integrated Tool Assembly (ITA) from the manufacturer.

- Once the Biodegradable arrowhead anchor has been driven into the ground and set (secured), the guyline should be passed through Hole #1 on the tension bar, then wrapped around the tree trunk just above the lowest established branch. Then, the guyline should be passed through Hole #2 in the tension bar just below the first established branch. After pulling taut any slack, a stop knot is established immediately below Hole #2 in the guyline. (See Figure 1)
- The tension bar is then pulled downward until the tree is straight and the guyline is SNUG (NOT TIGHT). (See Figure 2)
- The tension bar is locked into place by tying the loose end of the guyline itself just above Hole #2. (See Figure 3)

This tensioning method allows the guylines to be readjusted, if necessary, in order to keep the guylines snug until the tree root system is established and the staking material is removed.



Tree Frog® BIO20 SYSTEM

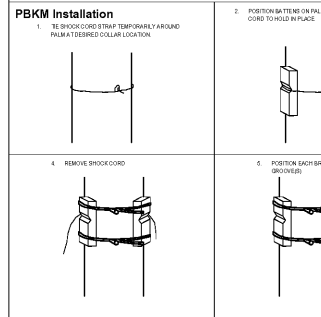
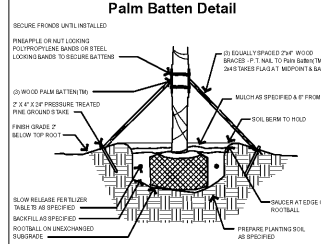
- BIO20:**
For up to 2" Caliper Trees
(3) FROG ANCHOR™ Guyline 1/4" x 12' = 560 lb
flexible Hemp/Manilla rope
(3) Tool-Free® Tension Bars™
(3) Biodegradable Arrowhead Anchors (4 1/2" x 4 1/2")

Tree Frog® BIO40 SYSTEM

- BIO40:**
For up to 4" Caliper Trees
(4) FROG ANCHOR™ Guyline 1/4" x 12' = 560 lb
flexible Hemp/Manilla rope
(4) Tool-Free® Tension Bars™
(4) Biodegradable Arrowhead Anchors (4 1/2" x 4 1/2")

Tree Frog Environmental Products® (formerly Arborguy®)

Palm Batten Detail



Tree Frog® Palm Batten System

PBKM (METAL BANDS)

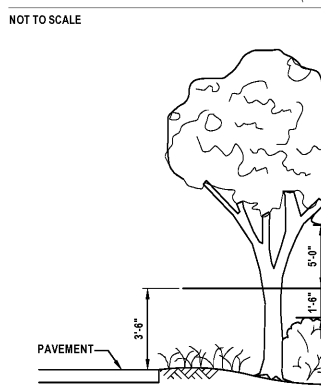
- (3) 1 1/2" x 3" x 1/2" x 12" (2x4 WOOD) BATTENS WITH 5 LAYERS OF BURLAP BACKING AND (4) STAPLE GUIDES FOR BANDING, PRE-NOTCHED (TO ACCEPT 2" x 4" x 8" SUPPORT BRACES)
(2) 44" PLATED CARBON STEEL BANDS WITH TENSIONING AND LOCKING SCREW / CLAMP

PBKM (POLYPROPYLENE BANDS)

- 3 1 1/2" x 3" x 1/2" x 12" 2x4 WOOD BATTENS WITH 5 LAYERS OF BURLAP BACKING AND 4 STAPLE GUIDES FOR BANDING, PRE-NOTCHED TO ACCEPT 2" x 4" x 8" SUPPORT BRACES
2 "X1" 600 LB TEST WEBBING BANDS WITH METAL SPRING LOCKING CLAMPS

TREE ANCHORING DETAILS

PROVIDED BY MANUFACTURER (See www.froganchor.com or call 352-735-7411)

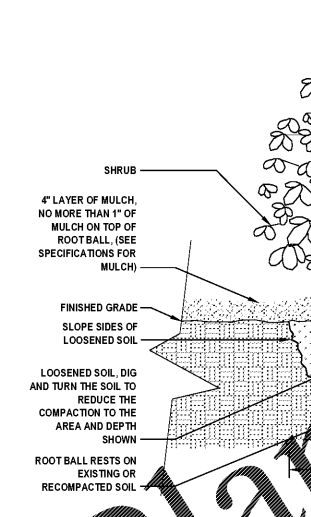


THE INTENT OF THIS STANDARD IS TO PROVIDE A WINDOW WITH VERTICAL LIMITS OF NOT LESS THAN 5' ABOVE AND 1'-6" BELOW THE SIGHT LINE (REFER TO FDOT STANDARD INDEX No. 546)

FDOT LANDSCAPE SIGHT LINE WINDOW

NOT TO SCALE

Tree Frog® Shrub Planting Detail

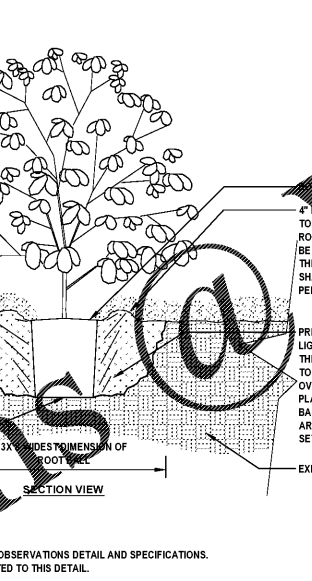


- NOTES:**
1. SHRUB SHALL BE OF QUALITY DESCRIBED IN THE ROOT OBSERVATIONS DETAIL AND SPECIFICATIONS.
2. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

SHRUB PLANTING DETAIL

NOT TO SCALE

Tree Frog® Tree with Berm (Existing Soil Not Modified)



- NOTES:**
1. TREES SHALL BE OF QUALITY DESCRIBED IN THE ROOT OBSERVATIONS DETAIL AND SPECIFICATIONS.
2. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

TREE W/ BERM (EXISTING SOIL NOT MODIFIED)

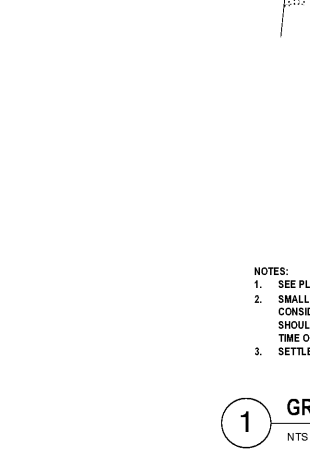
NOT TO SCALE

Tree Frog Environmental Products® (formerly Arborguy®)



GROUNDCOVER

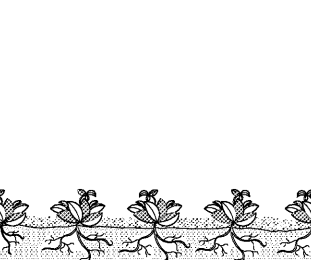
NOTES:
1. SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSIONS.
2. SMALL ROOTS (1/2" OR LESS) THAT GROW AROUND, UP, OR DOWN THE TRUNK SHALL PERIMETER ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE PROVIDED THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS IN THE PERIPHERY SHALL BE REMOVED AT THE TIME OF PLANTING. (SEE ROOT BALL SHAVING CONTAINER DETAIL).
3. SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.



TREE W/ BERM (EXISTING SOIL NOT MODIFIED)

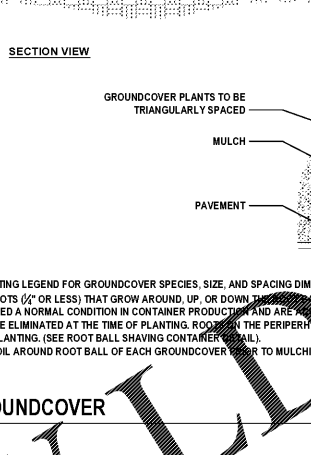
NOT TO SCALE

Tree Frog Environmental Products® (formerly Arborguy®)



LANDSCAPE DETAILS AND NOTES

NOTES:
1. TREES SHALL BE OF QUALITY DESCRIBED IN CROWN OBSERVATIONS DETAIL AND SPECIFICATIONS.
2. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

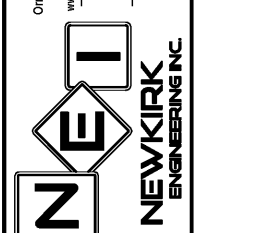


TREE W/ BERM (EXISTING SOIL NOT MODIFIED)

NOT TO SCALE

REVISIONS	
DATE	DESCRIPTION

1230 North US1, Suite 3
Ormond Beach, Florida 32174
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www.newkirk-engineering.com
C.A. # 30209
L.C. # 6600984
Civil Engineering
Landscape Architecture
NEWKIRK ENGINEERING INC.



LANDSCAPE DETAILS AND NOTES
DAIRY QUEEN
6667 US-90
GLEN ST. MARY, FL 32040

REGISTERED LANDSCAPE ARCHITECT
RICHARD L. POORE
LA533
STATE OF FLORIDA
RICHARD L. POORE, L.A. # LA533

PROJECT No: 2020-307
DATE: DECEMBER 2020
DESIGN BY: [RLP]
DRAWN BY: BWV
CHECKED BY: HHN
SCALE: AS SHOWN
DRAWING NUMBER

L3