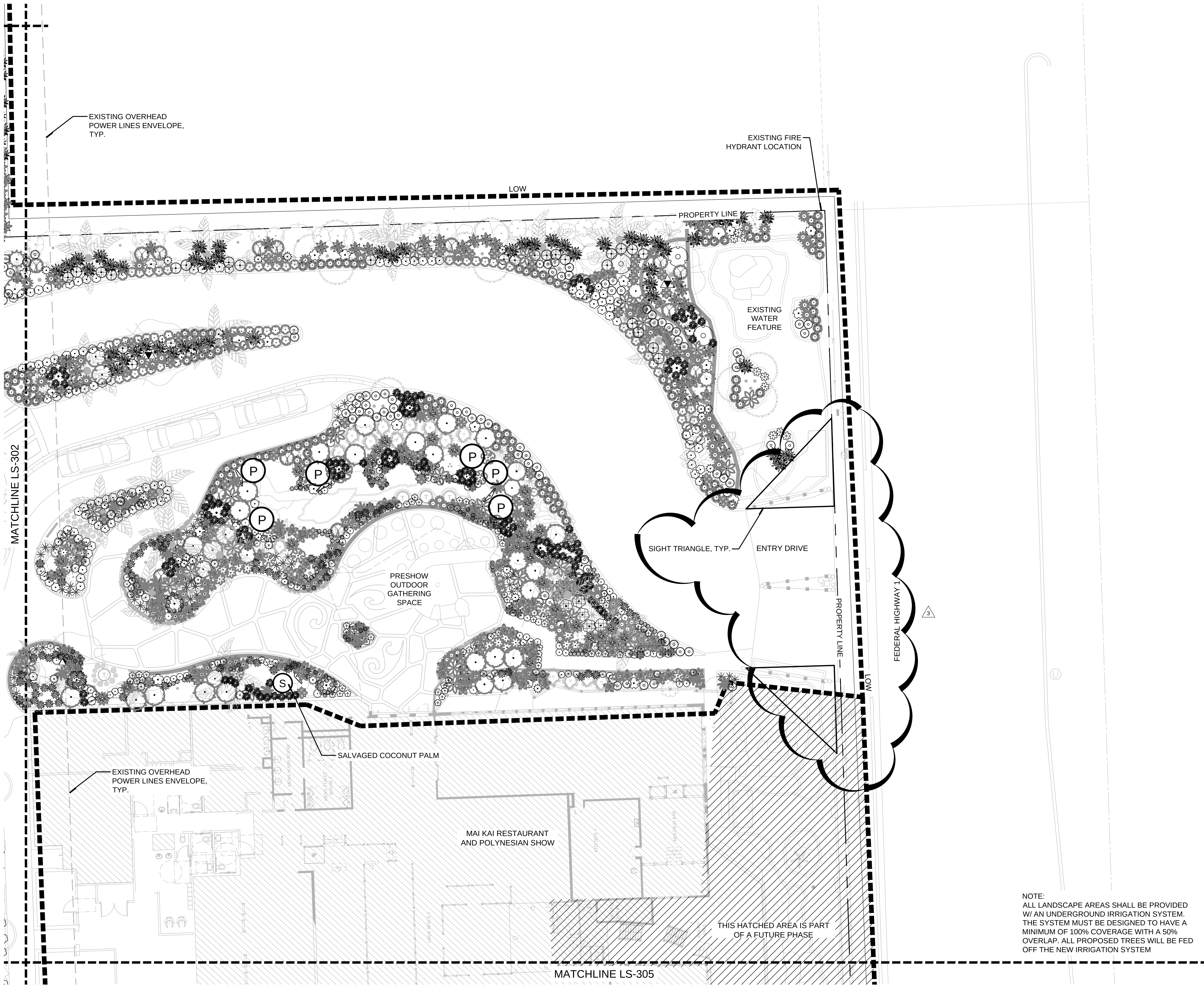
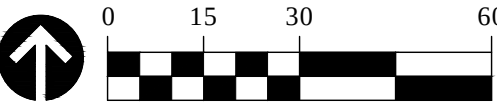




NOTE:
ALL LANDSCAPE AREAS SHALL BE PROVIDED
W/ AN UNDERGROUND IRRIGATION SYSTEM.
THE SYSTEM MUST BE DESIGNED TO HAVE A
MINIMUM OF 100% COVERAGE WITH A 50%
OVERLAP. ALL PROPOSED TREES WILL BE FED
OFF THE NEW IRRIGATION SYSTEM

SHRUB PLANTING PLAN
PLAN - ALTERNATE

1" = 30'-0"



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PROJECT

MAI KAI RESTAURANT
RENOVATIONS

3599 N FEDERAL HIGHWAY
OAKLAND PARK
FLORIDA
CD-22-17Z

CD DEVELOPMENT REVISIONS

No.	DATE	DESCRIPTION
3	12/12/22	DRC REVIEW COMMENTS

PERMIT REVISIONS

No.	DATE	DESCRIPTION

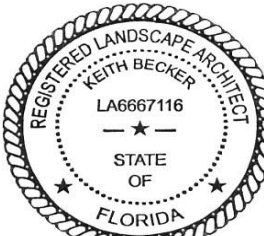
CONSTRUCTION PHASE REVISIONS

No.	DATE	DESCRIPTION

PROJECT PHASE

- ☐ SITE PLANNING
☒ SCHEMATIC DESIGN
☐ DESIGN DEVELOPMENT
☐ CONSTRUCTION DOCUMENTS

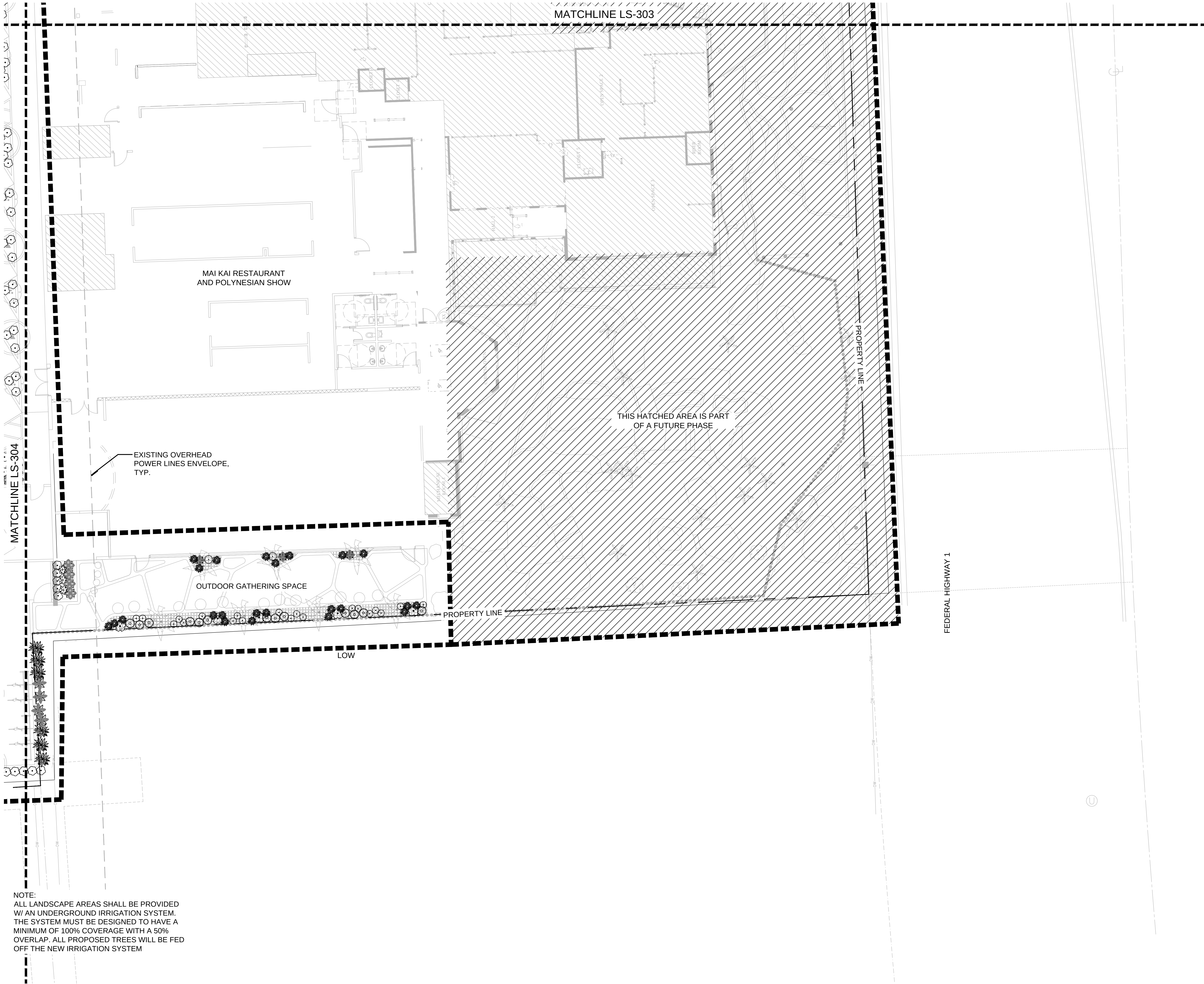
PROJECT NUMBER: 1162.22
ISSUED: 10/27/22
DRAWN BY: JDM
CHECKED BY: KAB
FILENAME: JBC25ARCH.dwg



SHEET

S-303.1

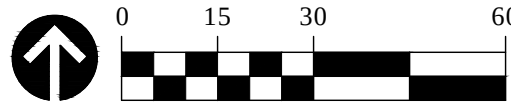
NOTE:
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THE SYSTEM MUST BE DESIGNED TO HAVE A
MINIMUM OF 100% COVERAGE WITH A 50%
OVERLAP. ALL PROPOSED TREES WILL BE FED
OFF THE NEW IRRIGATION SYSTEM



NOTE:
ALL LANDSCAPE AREAS SHALL BE PROVIDED
W/ AN UNDERGROUND IRRIGATION SYSTEM.
THE SYSTEM MUST BE DESIGNED TO HAVE A
MINIMUM OF 100% COVERAGE WITH A 50%
OVERLAP. ALL PROPOSED TREES WILL BE FED
OFF THE NEW IRRIGATION SYSTEM

SHRUB PLANTING
PLAN PLAN

1" = 30'-0"



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PROJECT

MAI KAI RESTAURANT
RENOVATIONS

3599 N FEDERAL HIGHWAY
OAKLAND PARK
FLORIDA
CD-22-17Z

CD DEVELOPMENT REVISIONS

No.	DATE	DESCRIPTION

PERMIT REVISIONS

No.	DATE	DESCRIPTION

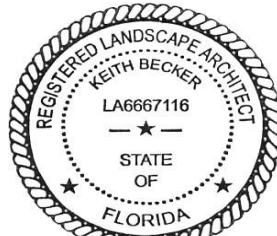
CONSTRUCTION PHASE REVISIONS

No.	DATE	DESCRIPTION

PROJECT PHASE

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☒ SCHEMATIC DESIGN
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☐ CONSTRUCTION DOCUMENTS

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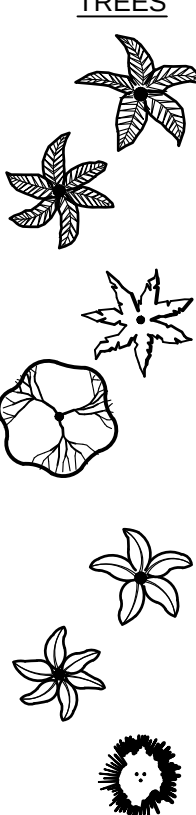
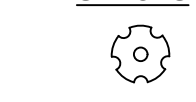
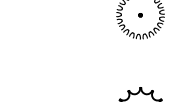
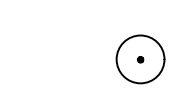


SHEET

LS-305

RUBS

PLANT SCHEDULE ALTERNATE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
	CM3	3	CHAMBEYRONIA MACROCARPA / FLAME THROWER PALM FULL DENSE FOLIAGE, SPECIMEN TREE	25 GAL	HEAVY TRUNK	6' HT.
	CG	3	COCOS NUCIFERA 'GREEN MALAYAN' / CURVED COCONUT PALM DENSE VIGOROUS SPECIMEN, FULL HEAD, NO SCARRED TRUNKS	B & B	CURVED TRUNK	14' C.T.
	CR3	2	CYRTOSTACHYS RENDA / LIPSTICK PALM MULTI TRUNK, FULL DENSE FOLIAGE, SPECIMEN TREE	45 GAL	MULTI TRUNK	6' HT.
	DR	1	DELONIX REGIA / ROYAL POINCIANA SPECIMEN QUALITY; SYMMETRICAL ROUNDED BRANCHING STRUCTURE; FULL DENSE FOLIAGE; MIN. 10' C.T., NO SCARRED TRUNKS, FIELD COLLECTED SPECIMEN, FLORIDA FANCY	F.G.	10" CAL	18"-20" HT. X 8"-10" SPD.
	MB2	3	MUSA BALBISIANA 'THAI BLACK' / THAI BLACK BANANA FULL DENSE FOLIAGE, SPECIMEN TREE	15 GAL	-	5' HT.
	MB1	2	MUSA BALBISIANA 'THAI WHITE' / THAI WHITE BANANA FULL DENSE FOLIAGE, SPECIMEN TREE	15 GAL	-	5' HT.
	RE	2	RHAPIS EXCELSA / LADY PALM FULL, DENSE FOLIAGE, 7 CANES MIN	7 GAL	MULTI TRUNK	4' HT., 3' SPD.
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	
	AW	3	ACALYPHA WILKESIANA / WILKES' ACALYPHA COPPER PLANT DENSE VIGOROUS SPECIMEN	3 GAL	18" HT., 24" SPD.	
	AB	17	AECHMEA BLANCHETIANA 'RASPBERRY' / RASPBERRY BROMELIAD DENSE VIGOROUS SPECIMEN, PROVIDE PHOTO FOR APPROVAL.	3 GAL	30" O.A.	
	AZ2	3	AECHMEA ZEBRINA 'SURPRISE' / SURPRISE STRIPED BROMELIAD	3 GAL	2' HT. 2' SPD.	
	AB2	2	ALOCASIA MACRORRHIZA 'BLACK STEM' / BLACK STEM GIANT ELEPHANT'S EAR FULL DENSE SYMMETRICAL	15 GAL	6'-8' HT.	
	AO	6	ALOCASIA ODORA 'CALIFORNIA' / DWARF ELEPHANT EAR FULL, DENSE FOLIAGE, FULL ROUNDED FORM	3 GAL	24" HT. X 24" SPD., MIN. 3 P.P.P.	
	AP2	5	ALPINIA PURPURATA / RED GINGER FULL, DENSE FOLIAGE, MATCHED APPEARANCE	3 GAL	30" O.A.	
	AP3	6	ALPINIA PURPURATA 'PINK' / PINK GINGER FULL DENSE FOLIAGE	7 GAL	3' HT., 3' SPD.	
	AP4	16	ANANAS COMOSUS / PINEAPPLE	3 GAL	2' HT. 2' SPD.	
	CO	9	CALATHEA 'ORBIFOLIA' / ORBIFOLIA CALATHEA FULL DENSE FOLIAGE, SYMMETRICAL APPEARANCE, EVEN MIXTURE OF 2 VARIETIES: CALATHEA MAKOYANA AND CALATHEA 'INDRI'.	3 GAL	18" HT., 24" SPD.	
	CZ	5	CALATHEA ZEBRINA / ZEBRA CALATHEA FULL DENSE FOLIAGE, SYMMETRICAL APPEARANCE, SPECIMEN QUALITY	3 GAL	30" O.A.	
	CP	2	CLERODENDRUM PANICULATUM / PAGODA FLOWER FULL, DENSE FOLIAGE, FLOWERING AT INSTALLATION	3 GAL	3' HT., 3' SPD.	
	CM4	1	CORDYLINE FRUTICOSA 'MOCHA LATTE' / MOCHA LATTE TI PLANT FULL DENSE SYMMETRICAL, 3 PLANTS PER POT MINIMUM.	3 GAL	24" HT X 24" SPRD	
	CW	2	CORDYLINE FRUTICOSA 'WILLYS GOLD' / WILLYS GOLD TI PLANT FULL DENSE SYMMETRICAL	3 GAL	24" HT., 18" SPD.	
	CG4	5	CORDYLINE FRUTICOSA 'GLAUCA' / GREEN TI PLANT	3 GAL	24" HT., 24" SPD.	
	CB2	7	COSTUS BARBATUS / RED VELVET GINGER DENSE VIGOROUS FOLIAGE, SYMMETRICAL APPEARANCE, FLOWERING AT INSTALL	3 GAL	36" HT., 36" SPD.	
	HP	24	HELICONIA PSITTACORUM 'ANDROMEDA' / PARROT BEAK HELICONIA DENSE VIGOROUS SPECIMEN, FLOWERING AT INSTALL	3 GAL	3' O.A.	
	HL2	4	HELICONIA ROSTRATA / LOBSTER CLAW FULL DENSE FOLIAGE	15 GAL	5' HT., 3' SPD.	
	MD2	3	MONSTERA DELICIOSA / MONSTERA FULL DENSE FOLIAGE, DENSE SYMMETRICAL APPEARANCE. CLIMBING FORM, TRELLIS GROWN	7 GAL	36" HT., 36" SD.	
	PP	4	PHILODENDRON X 'PRINCE OF ORANGE' / PRINCE OF ORANGE PHILODENDRON FULL DENSE FOLIAGE	3 GAL	2' HT. 2' SPD.	
	PX2	27	PHILODENDRON X 'MCDOWELL' / MCDOWELL PHILODENDRON	7 GAL	30" HT., 30" SPD.	
	PW	3	PHILODENDRON X WILSONII / WILSONII PHILODENDRON FULL DENSE FOLIAGE, SYMMETRICAL APPEARANCE, LOW BRANCHED, SHADE GROWN	7 GAL	36" O.A.	
	SP	8	SPATHOGLOTTIS PLICATA 'PURPLE' / PURPLE GROUND ORCHID FULL DENSE FOLIAGE	8" POT	18" HT., 18" SPD.	
	TC3	8	TACCA CHANTRIERI / BLACK BAT FLOWER FULL DENSE FOLIAGE	1 GAL	12" HT., 12" SPD.	

LANDSCAPE SCHEDULES -
ALTERNATE

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PROJECT

MAI KAI RESTAURANT RENOVATIONS

3599 N FEDERAL HIGHWAY
OAKLAND PARK
FLORIDA
CD-22-17Z

CD DEVELOPMENT REVISIONS

No.	DATE	DESCRIPTION

PERMIT REVISIONS

No.	DATE	DESCRIPTION

CONSTRUCTION PHASE REVISIONS

No.	DATE	DESCRIPTION

PROJECT PHASE

- ☐ SITE PLANNING
☒ SCHEMATIC DESIGN
☐ DESIGN DEVELOPMENT
☐ CONSTRUCTION DOCUMENTS

PROJECT NUMBER:	1162.22
ISSUED:	10 / 27 / 22
DRAWN BY:	JDM
CHECKED BY:	KAB
FILENAME:	JBC25ARCH.dwg
	SHEET LS-400.1

PLANT SCHEDULE TROPICAL GARDEN AND WATER FEATURE

[illegible]

PERRY | BECKER
urban planning | landscape architecture | thematic design

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LANDSCAPE SCHEDULES -
TROPICAL GARDEN &
WATER FEATURE

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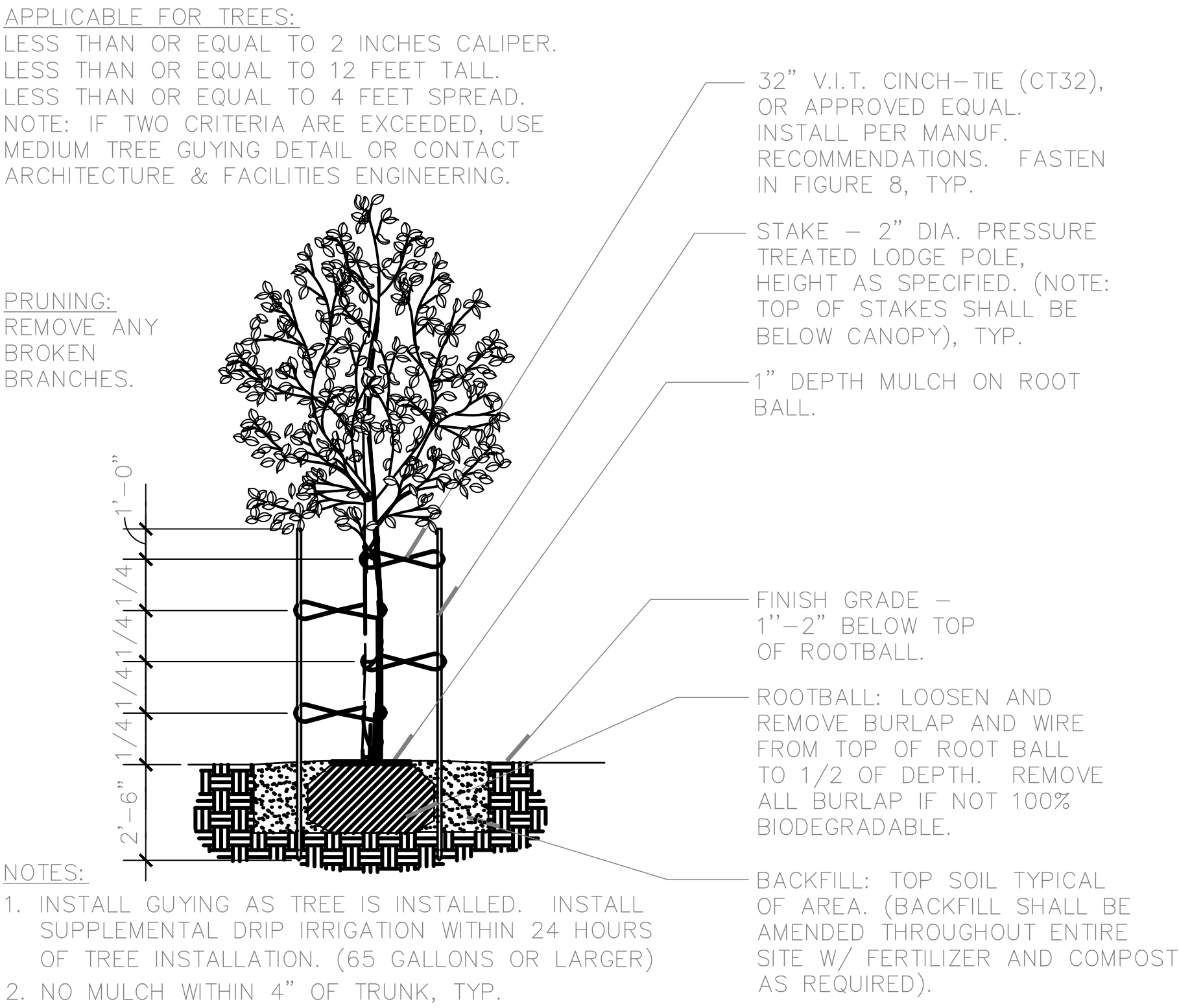
CONSTRUCTION PHASE REVISIONS

No.	DATE	DESCRIPTION

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	SHEET LS-400.2



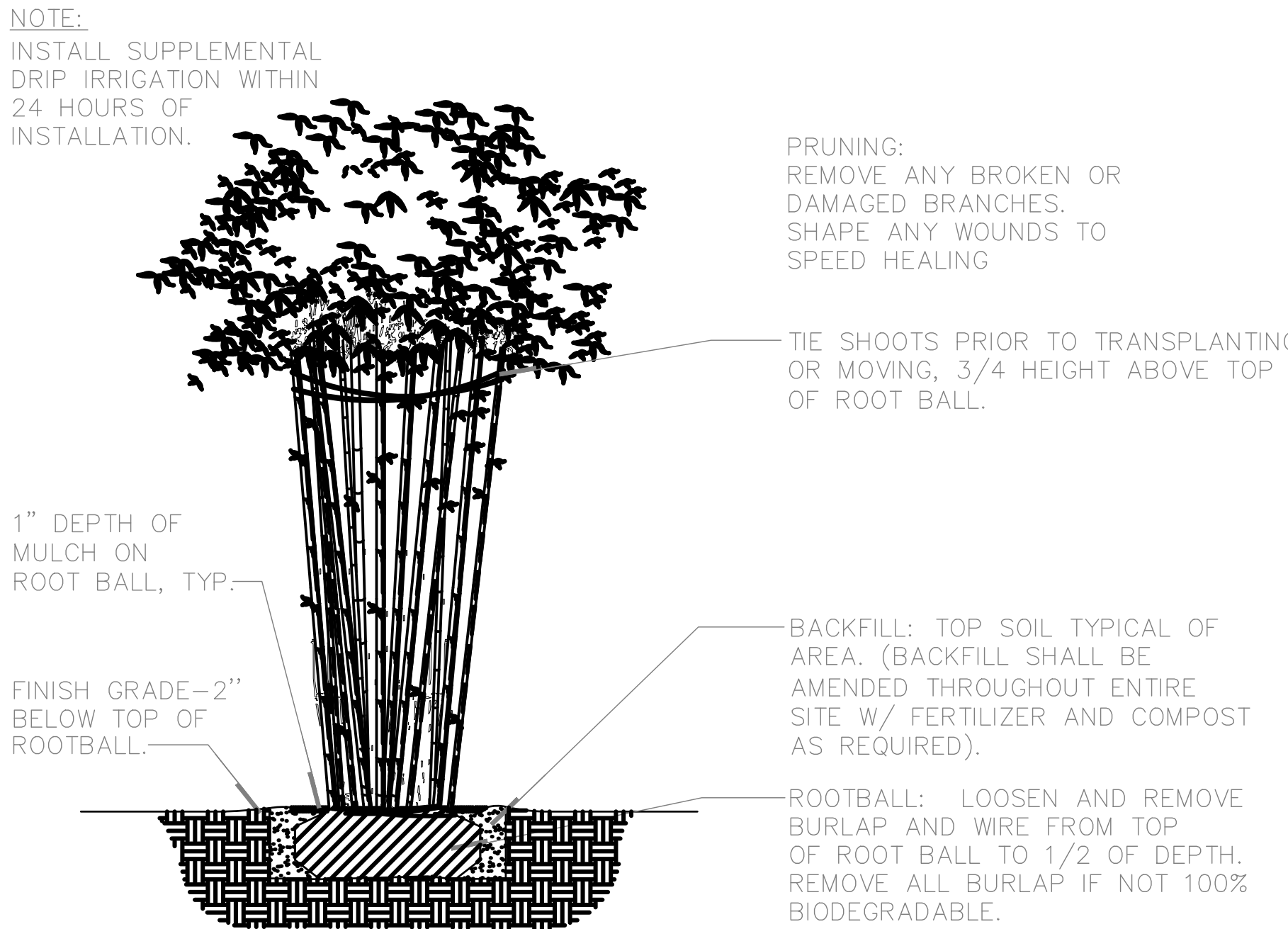
SMALL TREE DETAIL - (SINGLE TRUNK)

SCALE: 1 1/2" = 1'-0"

PROJ-1107.22-04

3

LS-500



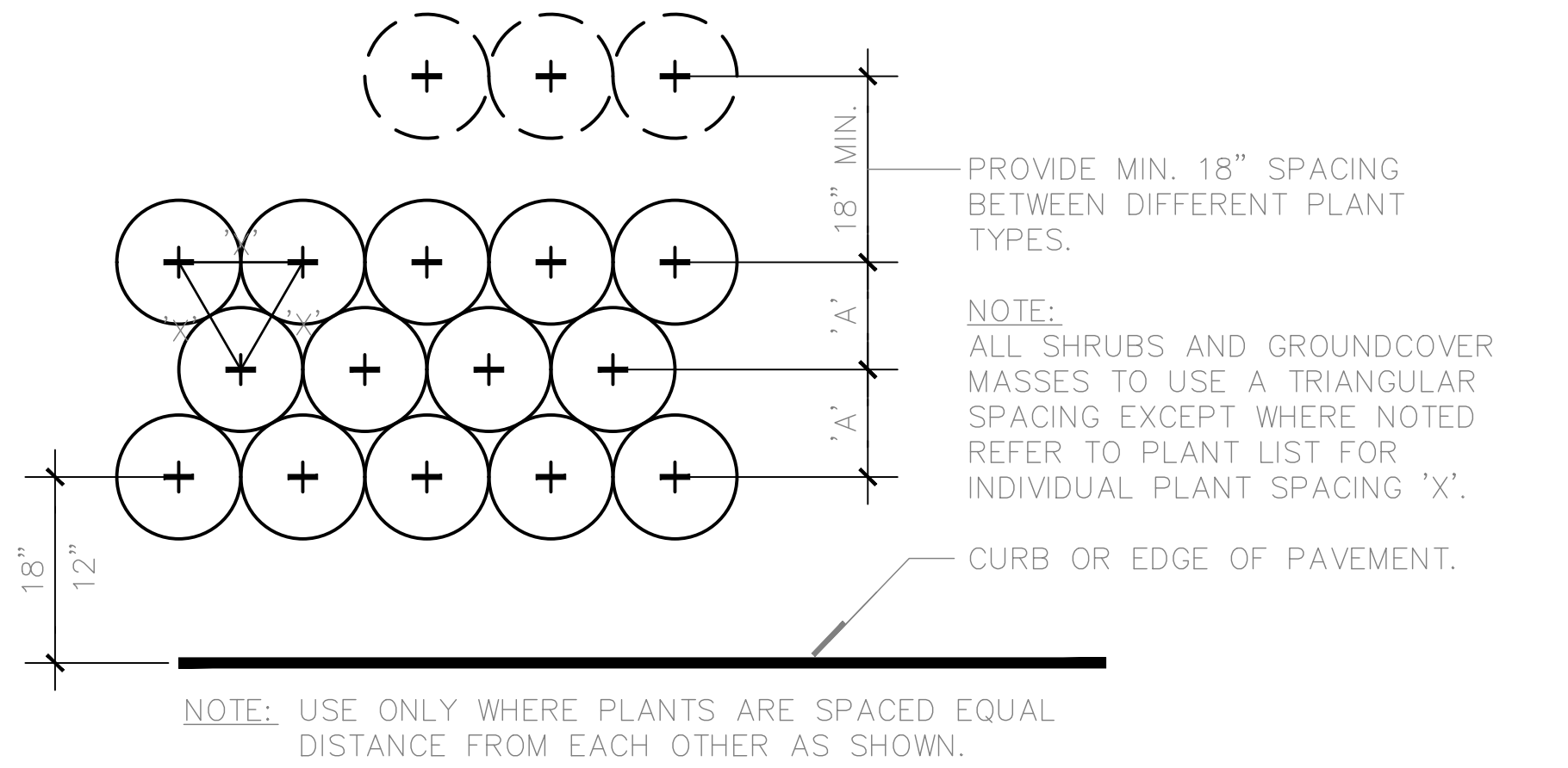
BAMBOO PLANTING DETAIL

SCALE: 1 1/2" = 1'-0"

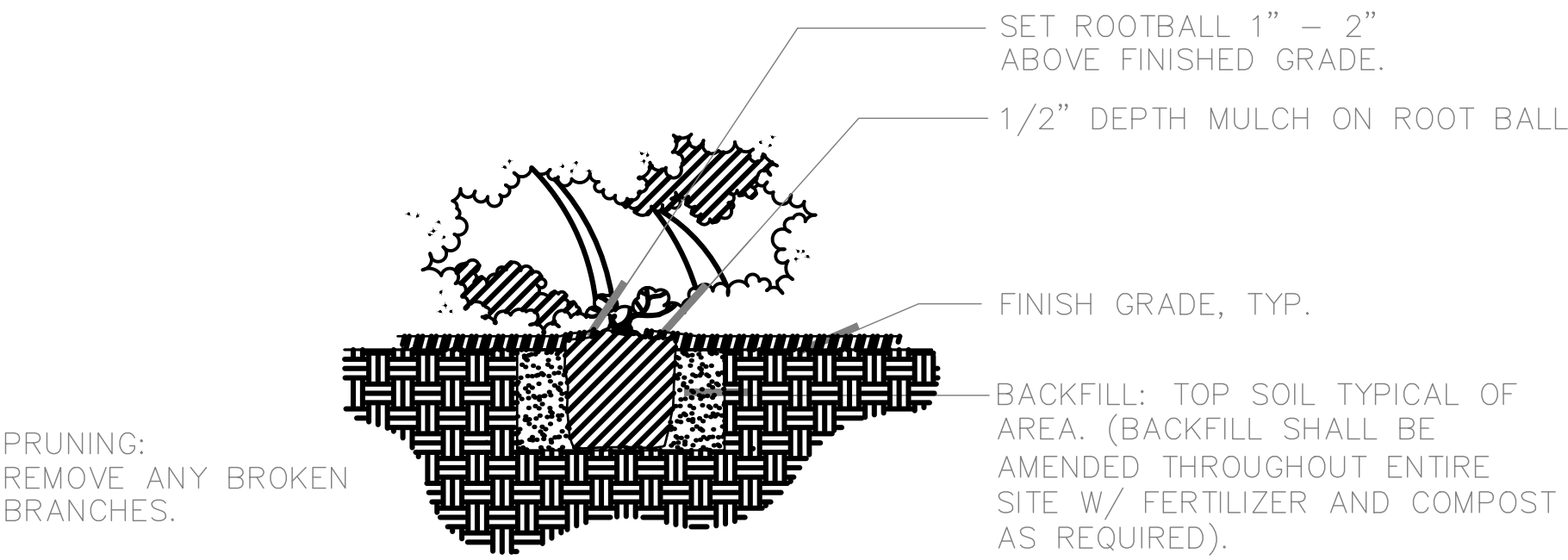
PROJ-1107.22-01

4

LS-500



PLANT SPACING DIAGRAM:



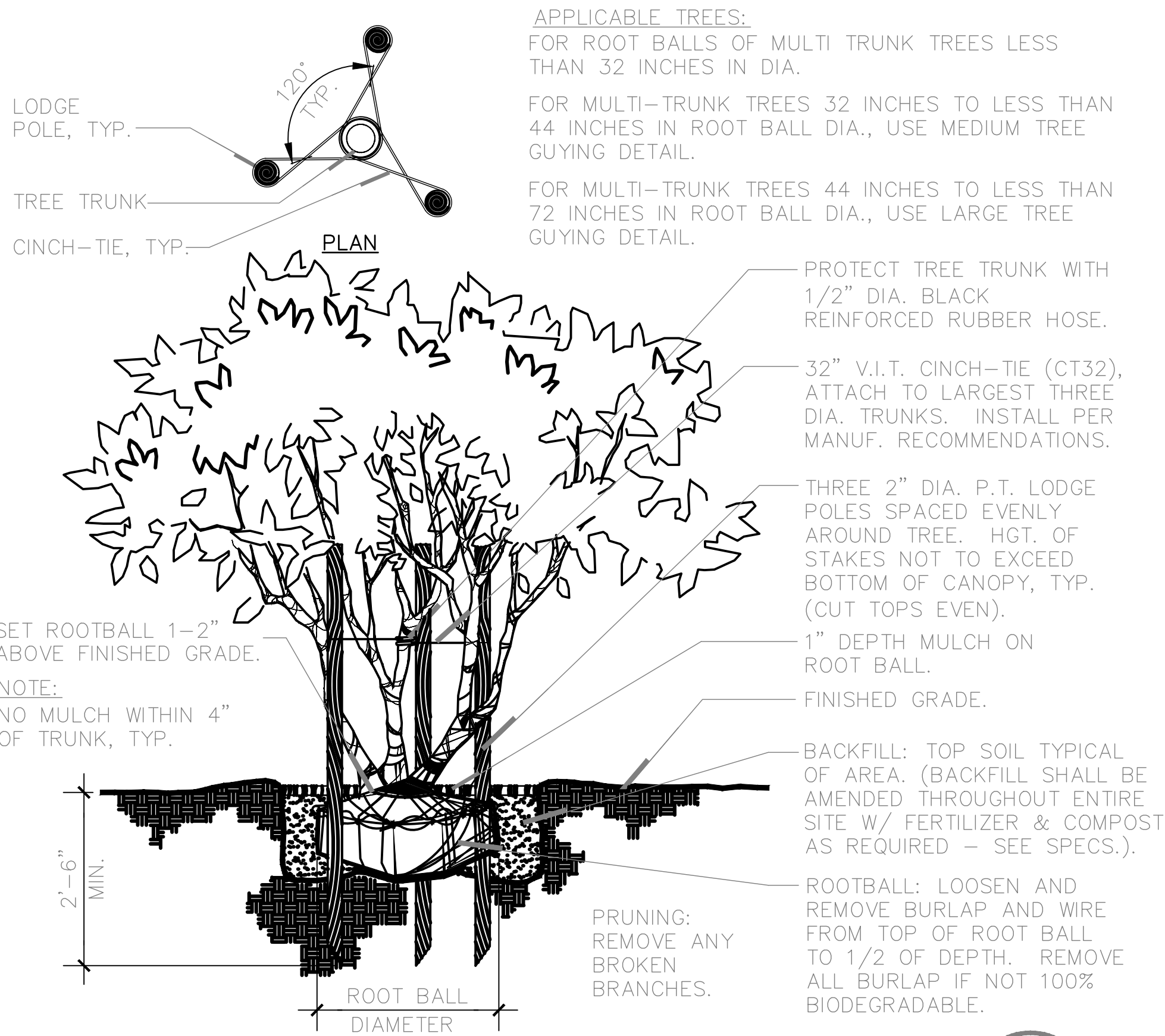
SHRUB PLANTING DETAIL

SCALE: 1 1/2" = 1'-0"

PROJ-1107.22-02

1

LS-500



MULTI-TRUNK TREE DETAIL

SCALE: 1 1/2" = 1'-0"

PROJ-1107.22-03

2

LS-500

LANDSCAPE DETAILS

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PROJECT

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3599 N FEDERAL HIGHWAY
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FLORIDA
CD-22-17Z

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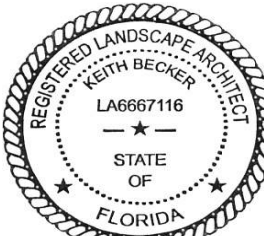
CONSTRUCTION PHASE REVISIONS

No.	DATE	DESCRIPTION

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LS-500

LANDSCAPE DETAILS

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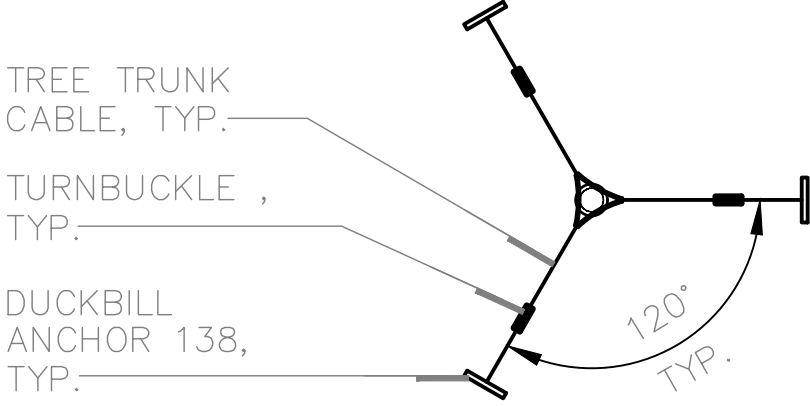
PROJECT PHASE

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SHEET	LS-501



APPLICABLE FOR:
ALL OTHER TREES:
LESS THAN OR EQUAL TO 20 INCHES IN
CALIPER.
LESS THAN OR EQUAL TO 30 FEET TALL.
AREA OF CANOPY LESS THAN OR EQ. TO
275 S.F.

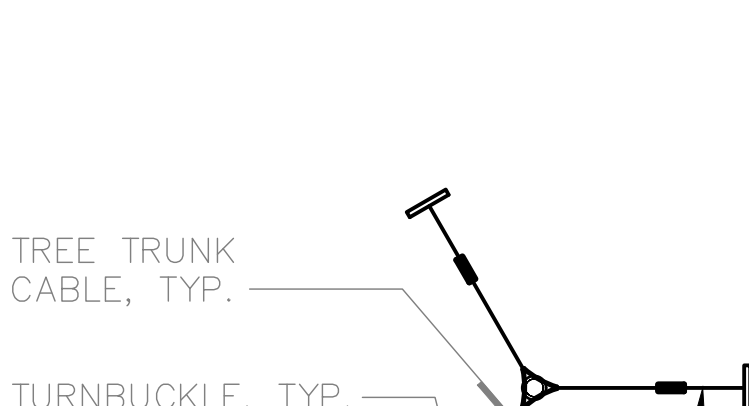


PLAN

APPLICABLE FOR:
FOR MAGNOLIAS AND OTHER DENSELY FOLIATED TREES:
LESS THAN OR EQUAL TO 20 INCHES IN CALIPER.
LESS THAN OR EQUAL TO 25 FEET TALL.
AREA OF CANOPY LESS THAN OR EQUAL TO 225 S.F.
(MAX. CANOPY WIDTH X MAX. CANOPY HGHT.). CANOPY
HGHT. EQUALS OVERALL HGHT. MINUS CLEAR TRUNK.
NOTE: IF ANY CRITERIA IS EXCEEDED, ADDITIONAL
ENGINEERING SHALL BE REQUIRED.

NOTES:
1. INSTALL GUYING AS TREE IS INSTALLED. INSTALL
SUPPLEMENTAL DRIP IRRIGATION WITHIN 24 HOURS OF
TREE INSTALLATION.
2. THIMBLES AS SPECIFIED ARE AVAIL. FROM CERTIFIED
SLINGS, (407-831-7449).
3. COMPRESSION SLEEVES SHALL HAVE TWO CRIMPS, TYP.
4. GUYS WITHIN GUEST ACCESSIBLE AREAS TO BE
COVERED WITH GUY WIRE GUARDS 4FT IN LENGTH. DO
NOT COVER TURNBUCKLES W/SLEEVES. SEE PLANTING
SPECIFICATIONS FOR DEFINITION OF GUEST ACCESSIBLE
AREAS AND FURTHER INFORMATION.

APPLICABLE FOR TREES:
GREATER THAN 2 INCHES, BUT LESS THAN
OR EQUAL TO 3 INCHES CALIPER.
LESS THAN OR EQUAL TO 15 FEET TALL.
LESS THAN OR EQUAL TO 6 FEET SPREAD.
NOTE: IF ANY CRITERIA IS EXCEEDED,
USE LARGE TREE GUYING DETAIL.



PLAN

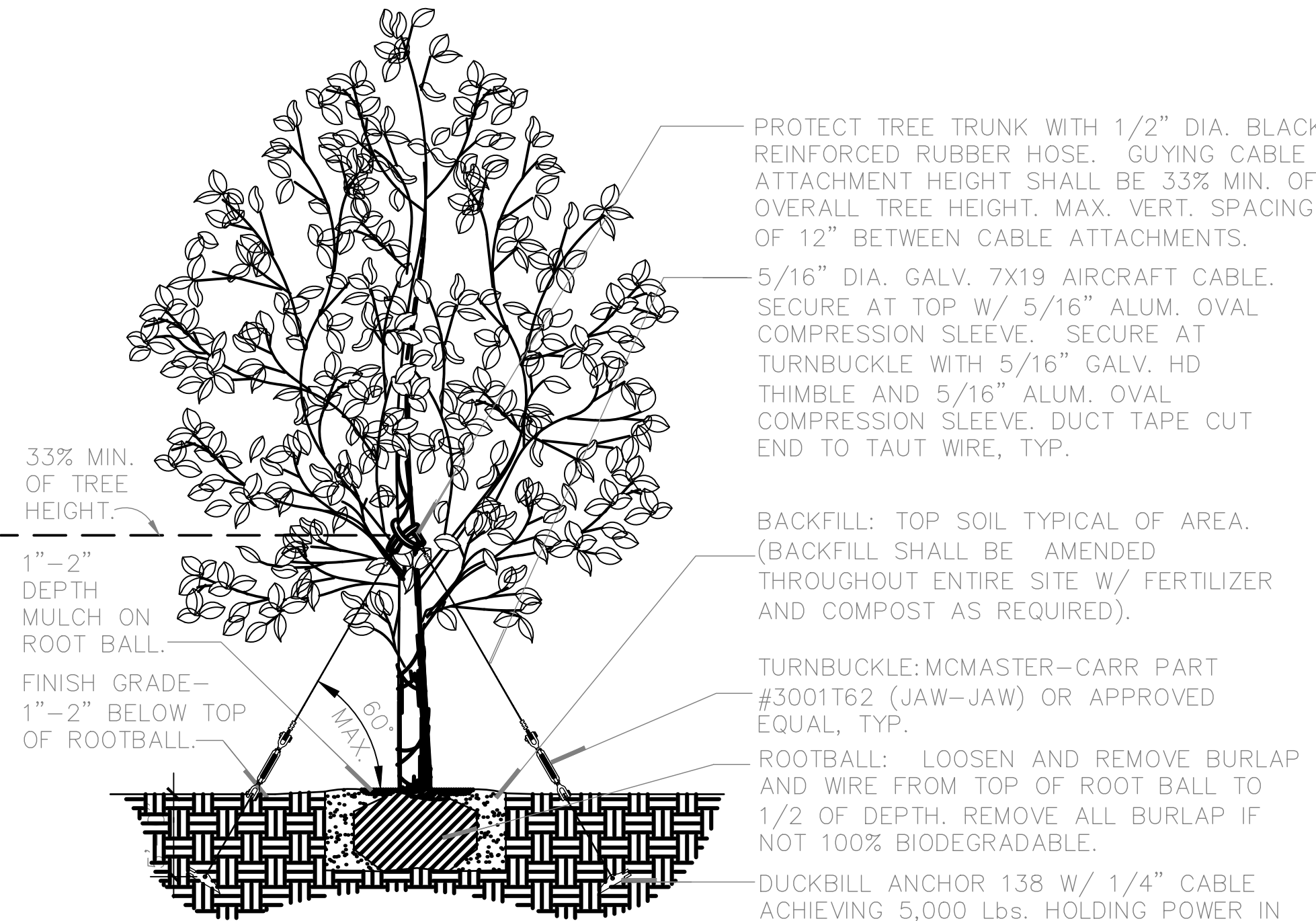
NOTE: SUBSTITUTION OF THE 4.75"x4.5" METAL
ARROW HEAD ANCHOR WITH DUCKBILL 88 DTS IS
ACCEPTABLE WHEN THE TREE IS:
LESS THAN OR EQUAL TO 6 INCHES CALIPER.
LESS THAN OR EQUAL TO 20 FEET TALL.
LESS THAN OR EQUAL TO 8 FEET SPREAD.
SEE ADDITIONAL DEPTH REQ. AS SHOWN BELOW.

NOTES:
1. INSTALL GUYING AS TREE IS INSTALLED. INSTALL
SUPPLEMENTAL DRIP IRRIGATION WITHIN 24 HOURS OF
TREE INSTALLATION.
2. THIMBLES AS SPECIFIED ARE AVAIL. FROM CERTIFIED
SLINGS, (407-831-7449).
3. COMPRESSION SLEEVES SHALL HAVE TWO CRIMPS, TYP.
4. GUYS WITHIN GUEST ACCESSIBLE AREAS TO BE
COVERED WITH GUY WIRE GUARDS 4 FT IN LENGTH. DO
NOT COVER TURNBUCKLES W/SLEEVES. SEE PLANTING
SPECIFICATIONS FOR DEFINITION OF GUEST ACCESSIBLE
AREAS AND FURTHER INFORMATION.

ALTERNATE:
USE (2) WIRE ROPE
CLIPS IN PLACE OF
COMPRESSION
SLEEVE. INSTALL
PER MANUF.
RECOMMENDATIONS.

PRUNING:
REMOVE ANY
BROKEN
BRANCHES.

NOTE:
NO MULCH
WITHIN 4" OF
TRUNK, TYP.



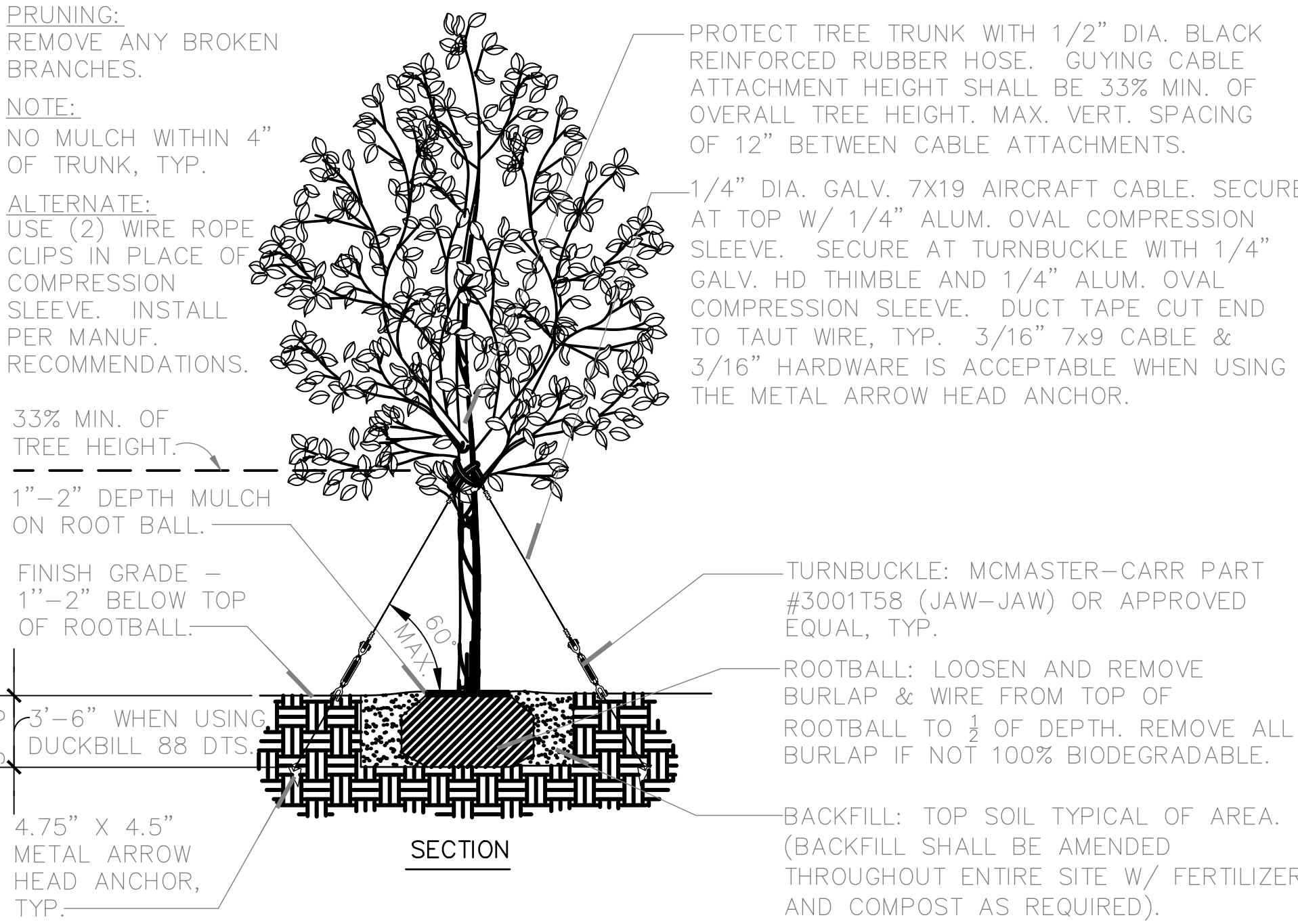
LARGE TREE DETAIL - (SINGLE TRUNK)

SCALE: NTS

PROJ-1107.22-06

2

LS-501



MEDIUM TREE DETAIL - (SINGLE TRUNK)

SCALE: NTS

PROJ-1107.22-05

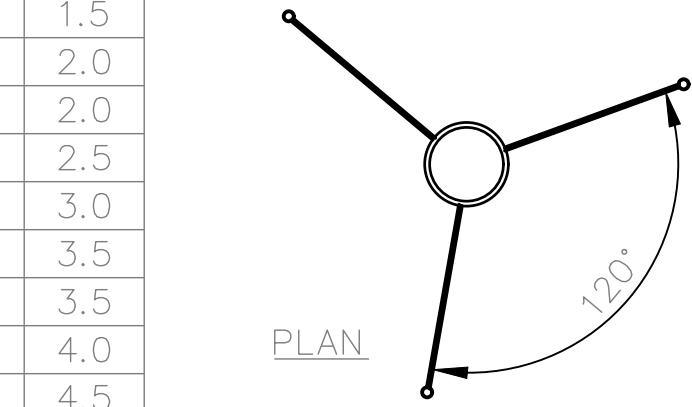
1

LS-501

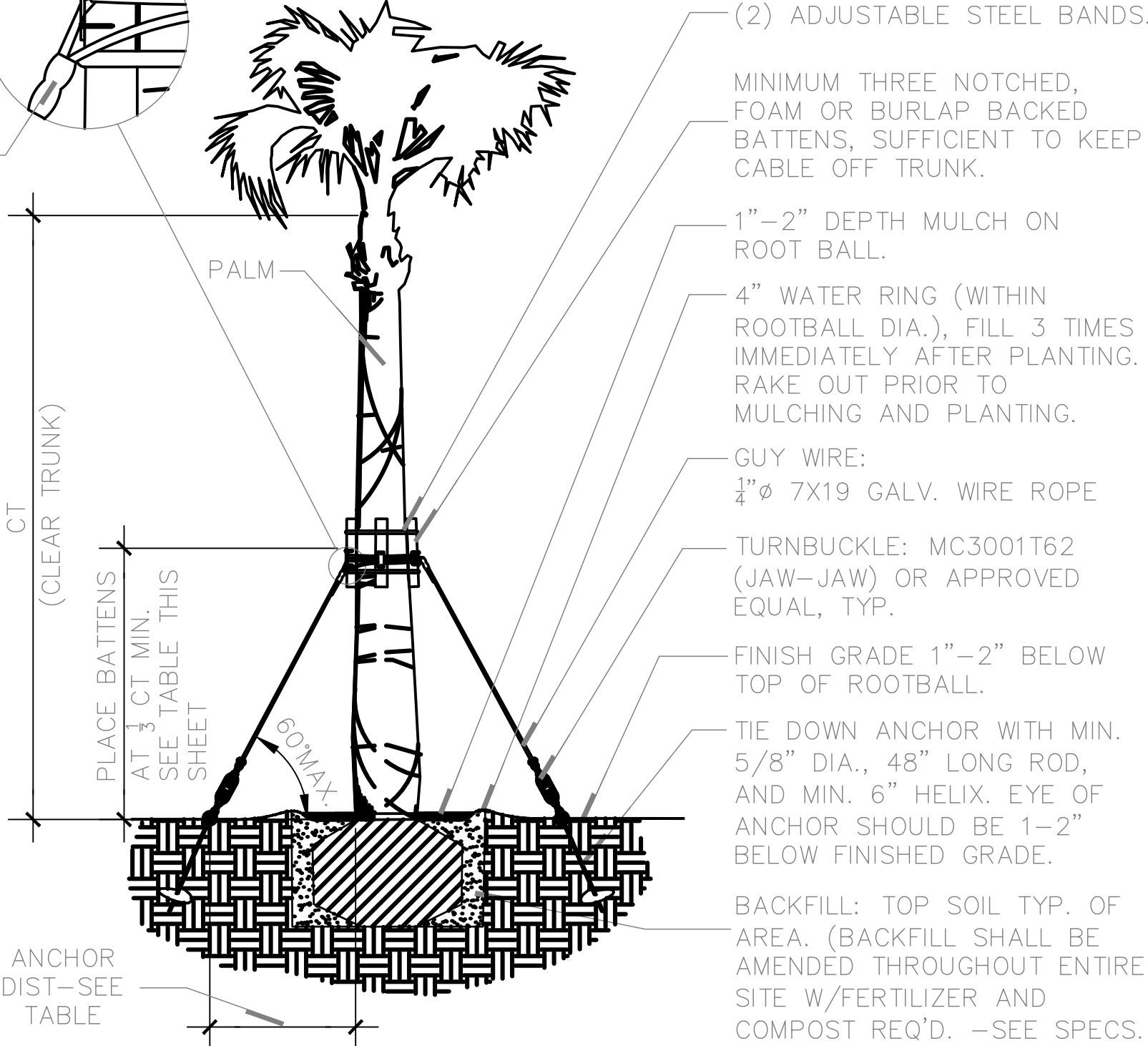
CLEAR TRUNK (CT) ft.	MINIMUM BATTEN HEIGHT (FT)	MINIMUM ANCHOR DIST. (FT)
5	2.0	1.5
8	3.0	2.0
10	3.5	2.0
12	4.0	2.5
14	5.0	3.0
16	5.5	3.5
18	6.0	3.5
20	7.0	4.0
22	7.5	4.5
24	8.0	5.0
26	9.0	5.0
30	10	6.0

SIMPSON HRS6 STRAP W/ (6) N10d NAILS, OR EQUAL

COMPRESSION SLEEVE



ALTERNATE:
USE (2) WIRE ROPE CLIPS IN PLACE OF COMPRESSION SLEEVE. INSTALL PER MANUF. RECOMMENDATIONS.



NOTES:

- THIS STANDARD APPLIES TO SINGLE TRUNK, STRAIGHT PALMS, NOT EXCEEDING 30' CT. AND CALIPER LESS THAN 24".
- PRUNING: REMOVE ANY BROKEN OR DAMAGED FRONDS.
- NO MULCH WITHIN 4" OF TRUNK, TYP.
- CABLE HARDWARE TO INCLUDE TURNBUCKLE, COMPRESSION SLEEVE, AND THIMBLE. TURNBUCKLE TO BE ATTACHED DIRECTLY TO ANCHOR.
- MC PART NUMBER REFERS TO MCMASTER-CARR. APPROVED EQUAL ALSO ACCEPTABLE.
- CABLES WITHIN GUEST ACCESSIBLE AREAS TO BE COVERED WITH GUY WIRE GUARDS 4FT IN LENGTH. DO NOT COVER TURNBUCKLES W/SLEEVES. SEE PLANTING SPECIFICATIONS FOR DEFINITION OF GUEST ACCESSIBLE AREAS AND FURTHER INFORMATION.
- INSTALL GUYING AS PALM IS INSTALLED. INSTALL SUPPLEMENTAL DRIP IRRIGATION WITHIN 24 HOURS OF PALM INSTALLATION.

PALM GUYING DETAIL

SCALE: NTS

PROJ-1107.22-07

2

LS-502

UB 18-2 Specifications
18" DeepRoot® Tree Root Barrier

Specified tree root barrier is a mechanical barrier and root deflector used to prevent tree roots from damaging hardscapes and landscapes. Assembled in 24" (609 mm) long modules to create varying lengths for linear applications, or perimeter surround applications in varying sizes.

A. Materials

1. The contractor shall furnish and install tree root barrier as specified. The tree root barrier shall be either product #UB 18-2 as manufactured by DeepRoot® Green Infrastructure, LLC, 530 Washington Street, San Francisco, CA, www.deeproot.com (800.458.7668).

2. Root barrier shall be recyclable, black, injection molded panels with 0.75" (1.90 mm) wall thickness in modules 24" (609 mm) long and 18" (460 mm) deep.

3. Root barrier shall be manufactured with 75% reprocessed polypropylene with added ultraviolet inhibitors.

4. Root barrier shall be comprised of 24" (609 mm) panels. Each panel shall have no less than four (4) Molded Integral Vertical Root Directing Ribs of a minimum 0.060" (1.52 mm) thickness, protruding 1/2" (12.7 mm) at 90° from interior of the barrier panel, spaced 6" (152.4 mm) apart. (See Details A & D)

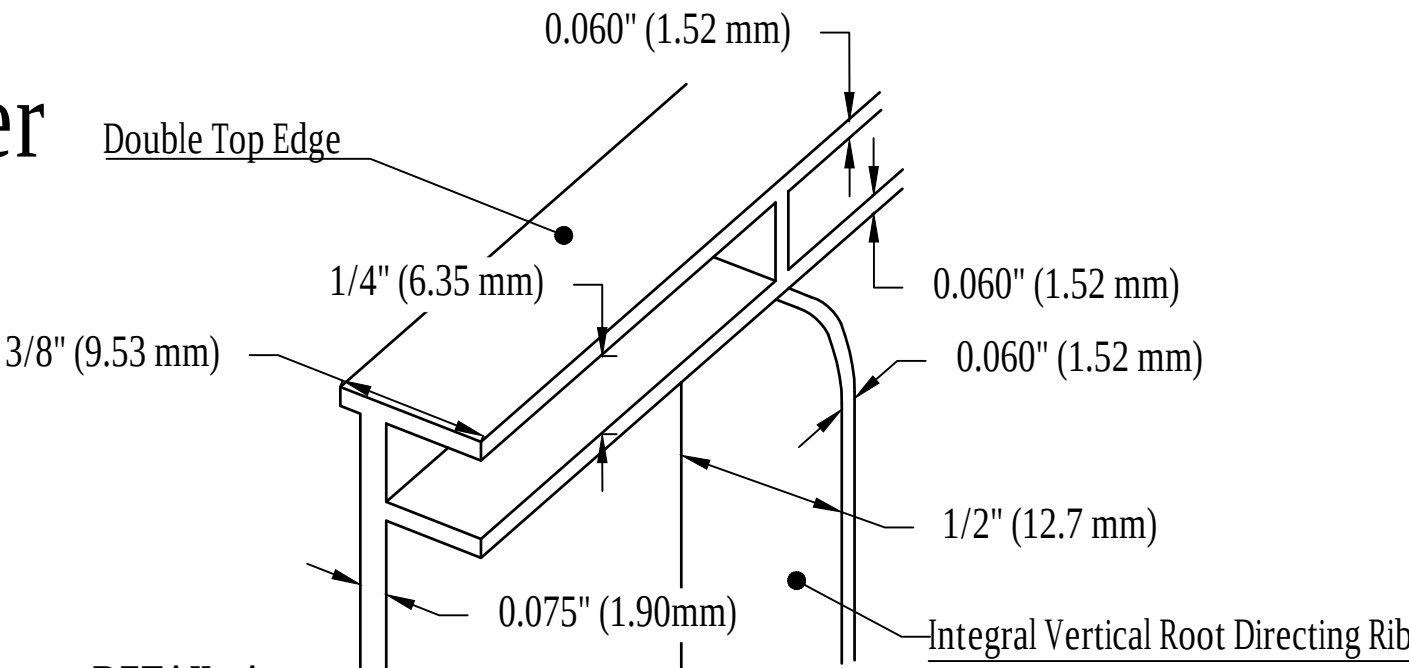
5. Root barrier shall have a Double Top Edge consisting of two parallel, integral, horizontal ribs at the top of the panel at 0.060" (1.52 mm) thickness, 3/8" (9.53 mm) wide and 1/4" (6.35 mm) apart with the lower rib attached to the vertical Root Directing Ribs (See Detail A).

6. Root barrier shall have a minimum of nine (9) Anti-Lift Ground Lock Tabs consisting of integral horizontal ridges of minimum 0.060" (1.52 mm) thickness in the shape of a segment of a circle, the 2-1/4" (57.15 mm) chord of the segment joining the panel wall and the segment, protruding 3/8" (9.53 mm) from the panel. The ground locks on each panel shall be about equally spaced between each of the vertical root directing ribs (See Details B & D).

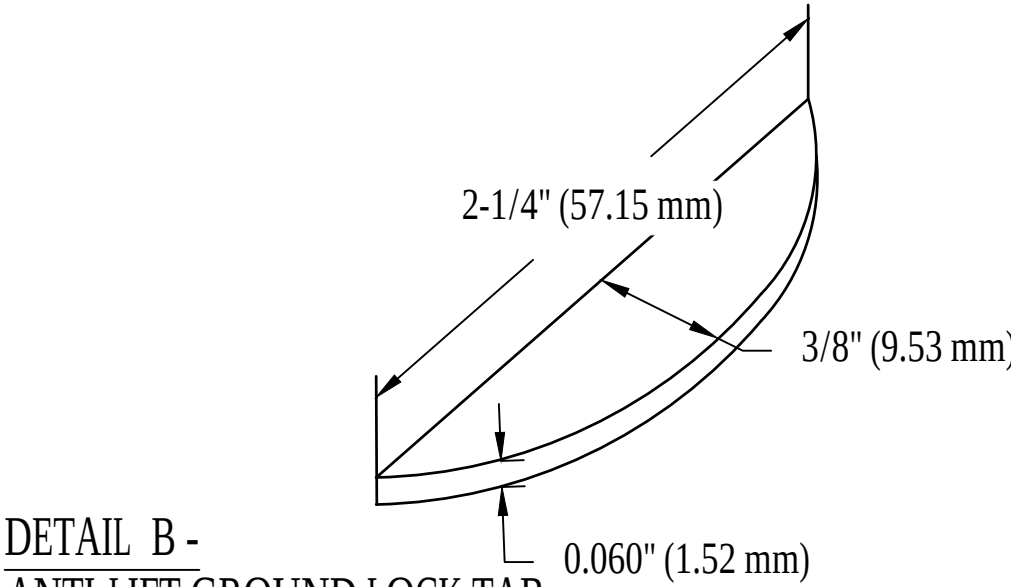
7. Root barrier shall have an integrated Zipper Joining System for assembly by sliding one panel into another (See Detail C).

U.S. Patents: 5,305,549; and 5,528,857. Other Patents Pending.

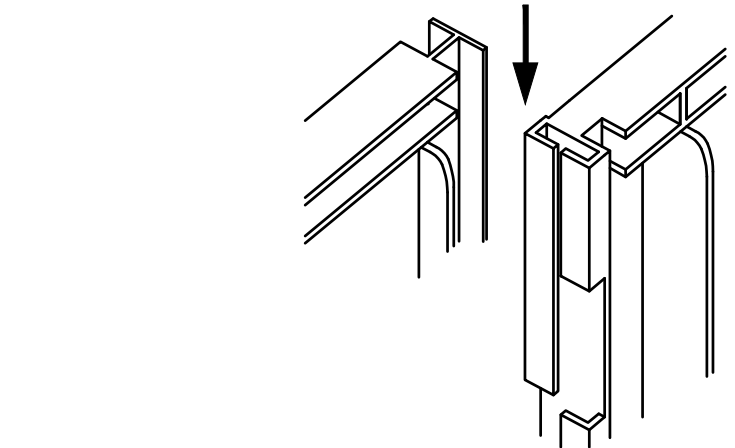
Properties	Typical Value	ASTM Test Method
Tensile strength @ yield - Wall	2.354 PSI	D638
Tensile strength @ yield - Hinge	2.846 PSI	D638
Yield Elongation - Wall	7.44%	D638
Yield Elongation - Hinge	7.01%	D638
Flexural Modulus	119.625 PSI	D790B
Notched Izod Impact - Wall	3.84 (ft-lbs)	D256A
Rockwell Hardness r. scale - Wall	84.4	D785A



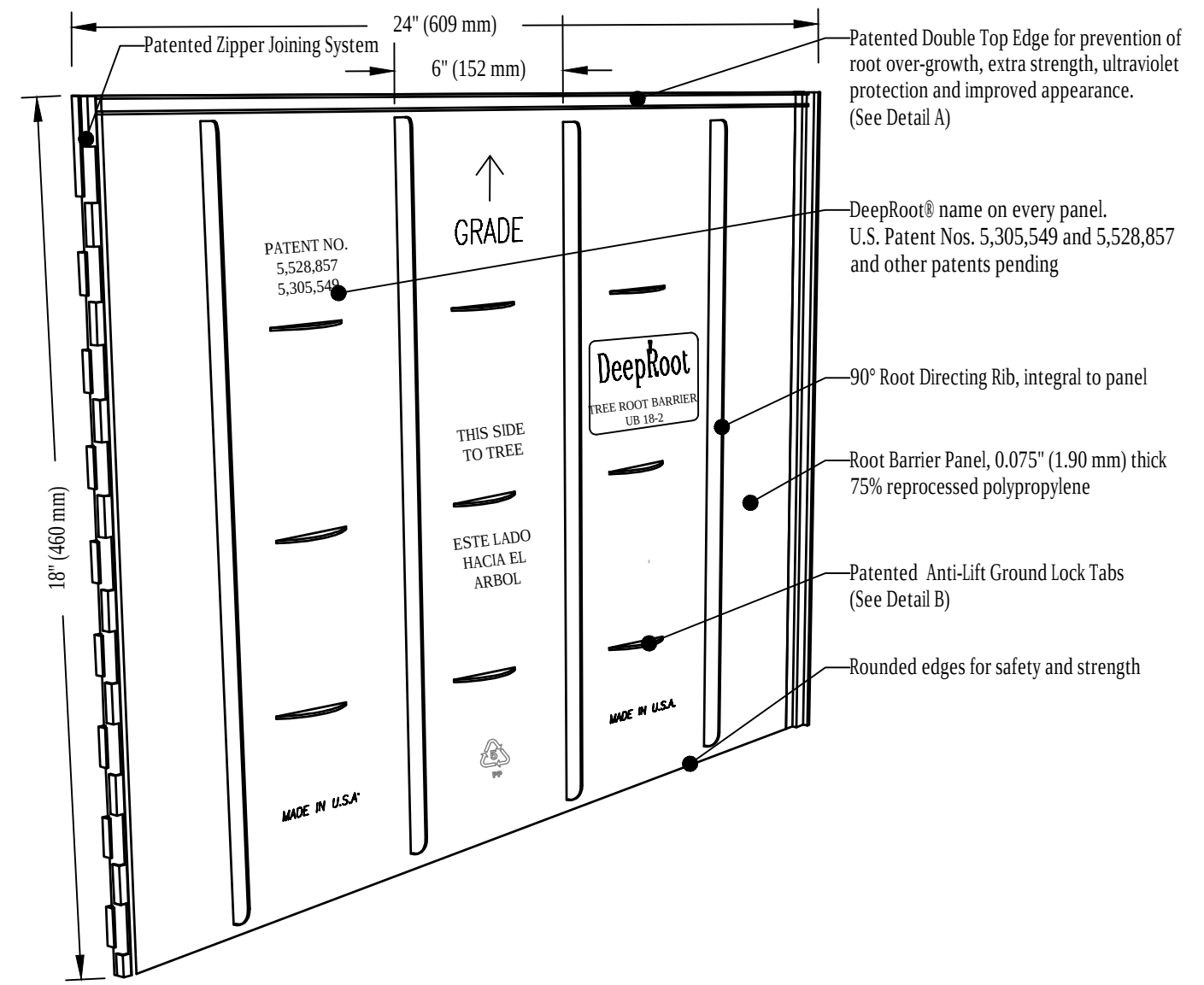
DETAIL A
DOUBLE TOP EDGE AND VERTICAL ROOT DIRECTING RIB



DETAIL B -
ANTI-LIFT GROUND LOCK TAB



DETAIL C - ZIPPER JOINING SYSTEM



DETAIL D - TREE ROOT BARRIER PANEL

\\DeepRoot Logo\\deeproot-03-CAD.jpg
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LANDSCAPE DETAILS

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PROJECT

MAI KAI RESTAURANT
RENOVATIONS

3599 N FEDERAL HIGHWAY
OAKLAND PARK
FLORIDA
CD-22-17Z

CD DEVELOPMENT REVISIONS

No.	DATE	DESCRIPTION

PERMIT REVISIONS

No.	DATE	DESCRIPTION

CONSTRUCTION PHASE REVISIONS

No.	DATE	DESCRIPTION

PROJECT PHASE

- ☐ SITE PLANNING
☒ SCHEMATIC DESIGN
☐ DESIGN DEVELOPMENT
☐ CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 1162.22	
ISSUED: 10/27/22	
DRAWN BY: JDM	
CHECKED BY: KAB	
FILENAME: JBC25ARCH.dwg	
SHEET	LS-502



LANDSCAPE DETAILS

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PROJECT

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No.	DATE	DESCRIPTION
3	12/12/22	DRC REVIEW COMMENTS

PERMIT REVISIONS

No.	DATE	DESCRIPTION

CONSTRUCTION PHASE REVISIONS

No.	DATE	DESCRIPTION

PROJECT PHASE

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☒ SCHEMATIC DESIGN
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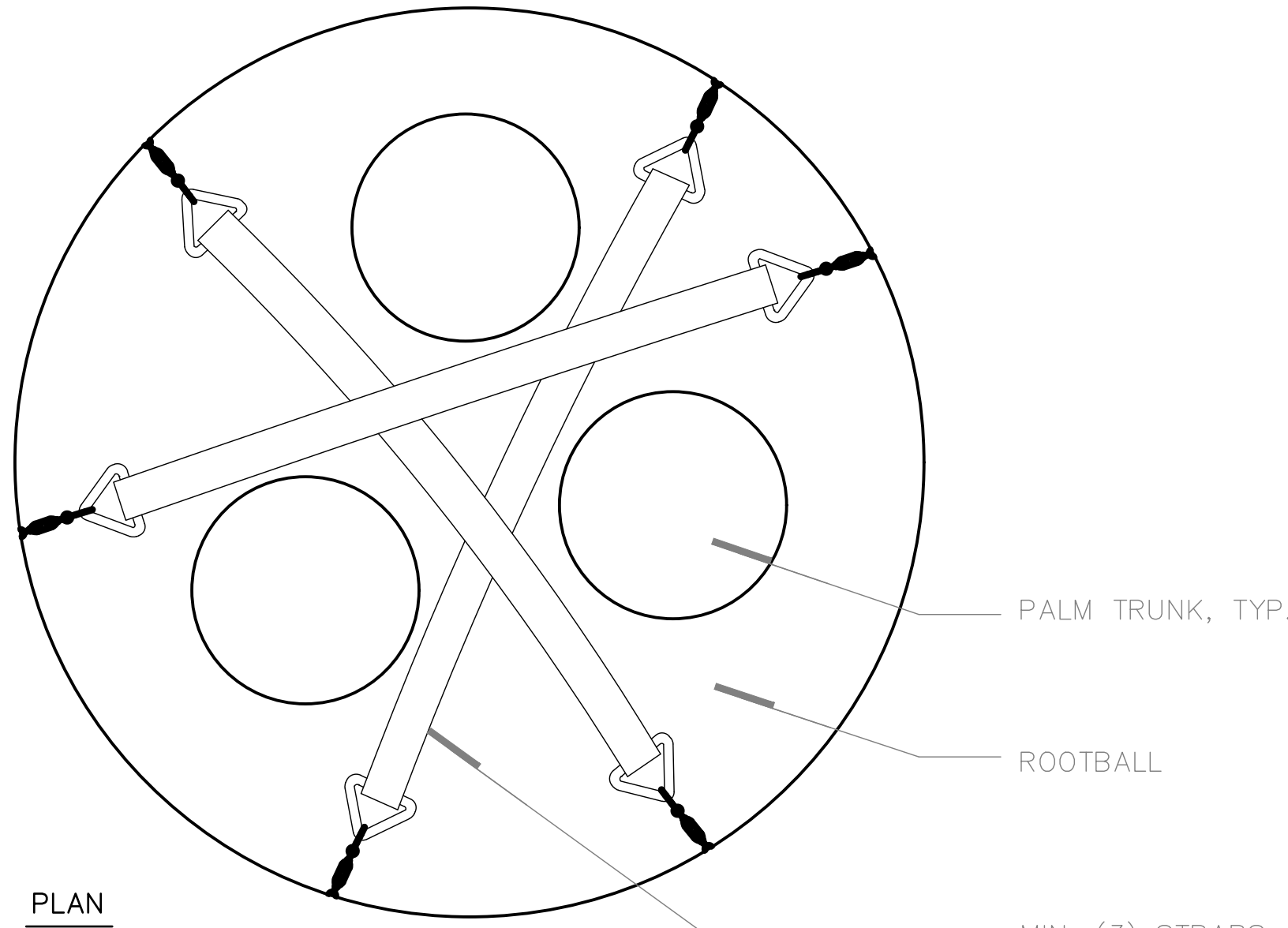
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ISSUED: 10/27/22
DRAWN BY: JDM
CHECKED BY: KAB
FILENAME: JDC250301.dwg



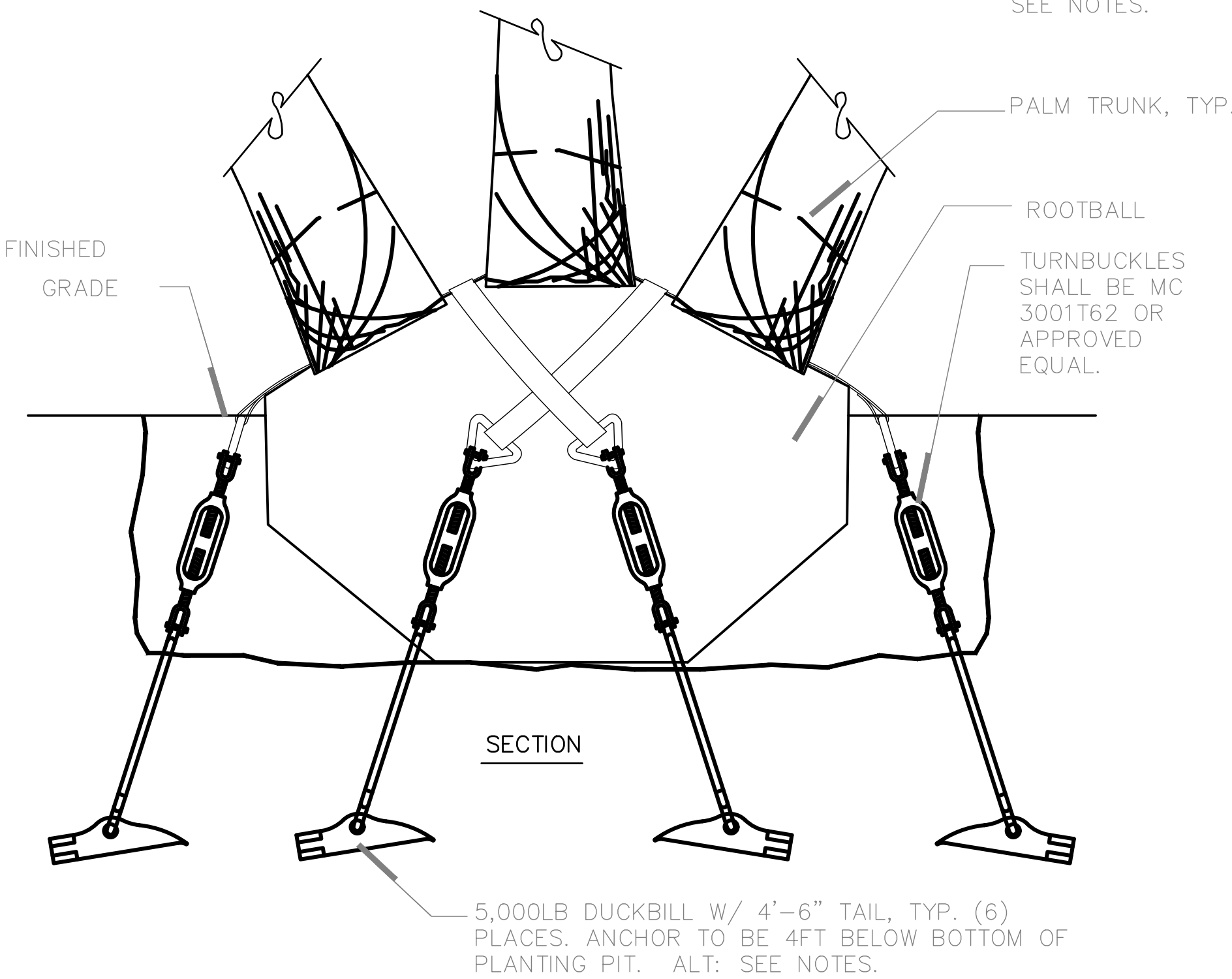
SHEET

LS-503

3



PLAN



SECTION

NOTE:

- THIS DETAIL IS FOR PHOENIX RECLINATA PALMS OR OTHER MULTI-TRUNK PALMS WITH THE FOLLOWING QUALIFICATIONS:
MIN. ROOTBALL DIAMETER – 6 FEET
MAX. CT – 18 FEET
MAX. CANOPY DIAMETER – 30 FEET
MAX. CALIPER – 14 INCHES
MAX. NO. OF CANES – 8 CANES
- STRAPS TO BE 6" WIDE, 1 PLY WEBSLING W/ DELTA RINGS BY CERTIFIED SLINGS, INC. OR APPROVED EQUAL. CROSS ROOTBALL BETWEEN CANES WITH EACH STRAP SO THAT EACH OF THE SIX (6) DUCKBILLS ARE APPROXIMATELY EQUAL DISTANCE APART.
- ALTERNATE: USE HELICAL ANCHOR WITH A MIN. 5/8" DIA., 48" LONG. ROD, AND A MIN. 6"Ø HELIX.

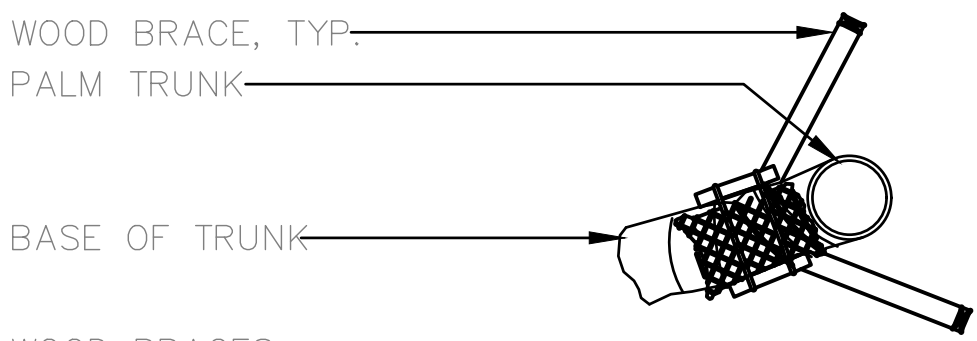
MULTI-TRUNK PALM GUYING DETAIL

SCALE: N.T.S.

PROJ-LHP-98

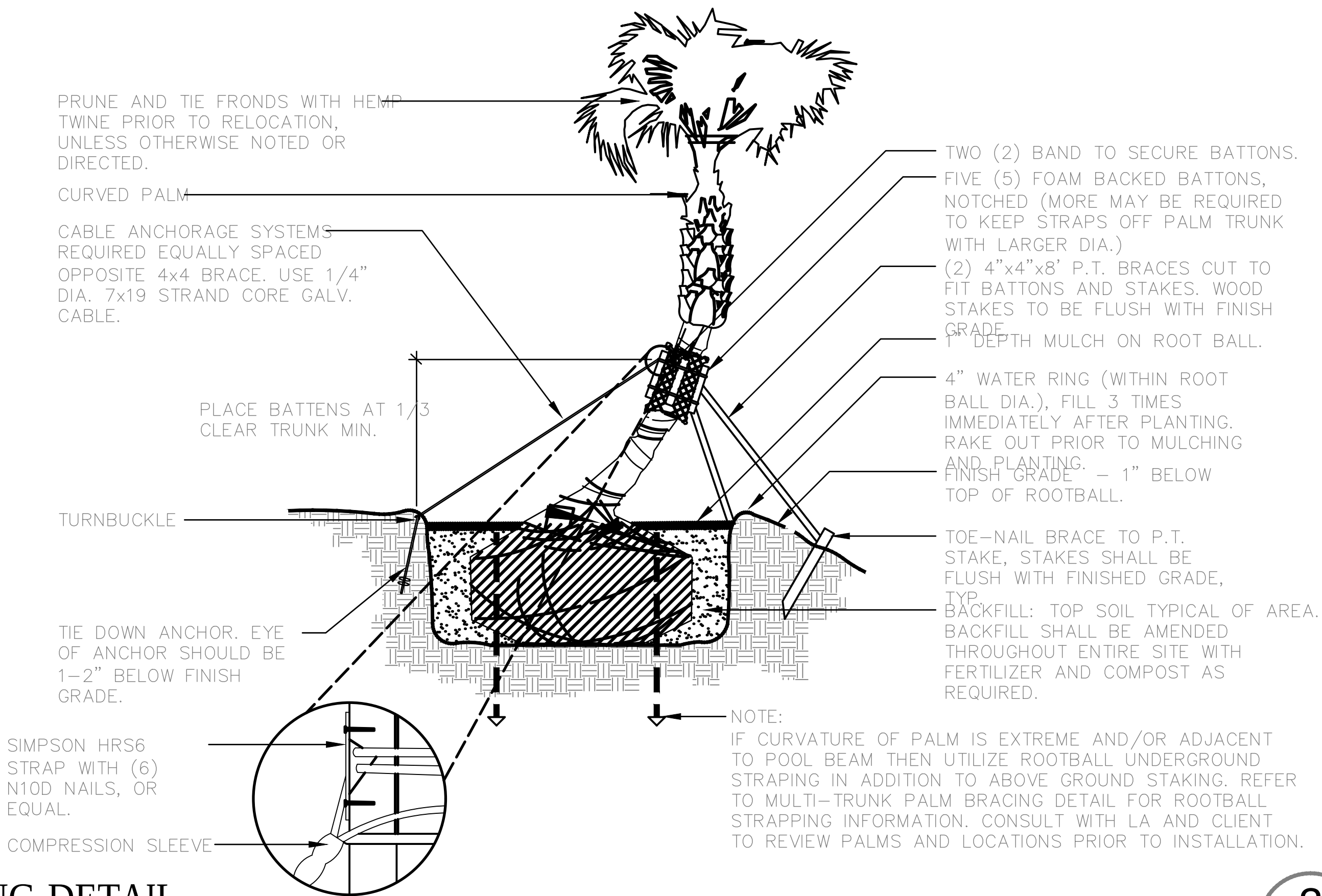
1

LS-503



WOOD BRACES:
NUMBER OF BRACES REQUIRED
BASED ON SIZE AND NUMBER OF
TRUNKS. SUBMIT METHOD TO
OWNER FOR APPROVAL PRIOR TO
INSTALLATION.

PLAN



CURVED TRUNK PALM GUYING DETAIL

SCALE: N.T.S.

PROJ-LHP-99

2

LS-503