

NORTH PERIMETER
SEC. 154.03 (C) GENERAL LANDSCAPING REQUIREMENTS
1. (c.) SITE PERIMETER LANDSCAPING REQUIREMENTS

REQUIRED: 1 TREE / 30 LF
 562.12 LF / 227 LF (INGRESSES/EGRESSES/ DRAIN FIELD) = 335.12 LF
 335.12 LF / 30 LF = 11.1 (12 TREES)

1 SHRUB / 2 LF
 335.12 / 2 LF = 167.56 (168 SHRUBS)

PROVIDED: 3 EXISTING TREES
 9 NEW TREES
 168 SHRUBS

WEST PERIMETER
SEC. 154.03 (C) GENERAL LANDSCAPING REQUIREMENTS
1. (c.) SITE PERIMETER LANDSCAPING REQUIREMENTS

REQUIRED: 1 TREE / 30 LF
 217.34 LF - 35 LF (INGRESS/EGRESS) = 182.34 LF
 182.34 LF / 30 LF = 6 TREES

1 SHRUB / 2 LF
 182.34 / 2 LF = 91.17 (91 SHRUBS)

PROVIDED: 12 NEW UNDERSTORY TREES DUE TO OHU
 91 SHRUBS

SEC. 154.03 (C)(2) BUILDING FACADE LANDSCAPING
 REQUIREMENTS: 5' 1 TREE OR PALM FOR EVERY 30LF & 1 SHRUB FOR EVERY 2 LF
 REQUIRED (WEST): 119 LF / 30 LF = 3.9 (4 TREES)
 119 LF / 2 LF = 59.5 (60 SHRUBS)

PROVIDED: 4 TREES AND 60 SHRUBS

SEC. 154.03 (C)(2) BUILDING FACADE LANDSCAPING
 REQUIREMENTS: 5' 1 TREE OR PALM FOR EVERY 30LF & 1 SHRUB FOR EVERY 2 LF
 REQUIRED (SOUTH): 35 LF / 2 LF = 1.1 (2 TREES)
 35 LF / 2 LF = 17.5 (18 SHRUBS)

PROVIDED: 2 TREES AND 18 SHRUBS

PORT ST. LUCIE NOTES:

- NO LANDSCAPING SHALL BE PLANTED IN A MANNER THAT WOULD ADVERSELY AFFECT UTILITY EASEMENTS. LANDSCAPING SHALL BE IN COMPLIANCE WITH CHAPTER 154 OF THE CITY OF PORT ST. LUCIE CODE OF ORDINANCES, PLSUSD TECHNICAL SPECIFICATIONS AND POLICIES.
- ALL LANDSCAPING WITHIN CITY UTILITY EASEMENTS SHALL COMPLY WITH PLSUSD TECHNICAL SPECIFICATIONS, POLICIES, AND CODES.
- ALL LANDSCAPING SHALL MEET THE LATEST PLSUSD LANDSCAPING POLICY AND SHALL NOT BE PLACED IN A MANNER THAT WOULD CREATE CONFLICTS WITH THE INTENDED OPERATION AND MAINTENANCE OF ANY EXISTING UTILITY.
- TREES SHALL NOT BE PLANTED WITHIN TEN (10) FEET OF ANY PLSUSD UNDERGROUND INFRASTRUCTURE.
- NO LANDSCAPING OTHER THAN SOD GRASSES SHALL BE LOCATED WITHIN 5' OF A PLSUSD APPURTENANCE SUCH AS A WATER METER ASSEMBLY, BACKFLOW DEVICE, FIRE HYDRANT OR SEWER CLEANOUT, ECT.

EAST PERIMETER
SEC. 154.03 (C) GENERAL LANDSCAPING REQUIREMENTS
1. (c.) SITE PERIMETER LANDSCAPING REQUIREMENTS

REQUIRED: 1 TREE / 30 LF
 455.48 LF / 30 LF = 15.1 (15 TREES)

1 SHRUB / 2 LF
 455.48 / 2 LF = 227.74 (228 SHRUBS)

PROVIDED: 2 EXISTING TREES
 13 NEW TREES
 228 SHRUBS

PLANT LIST

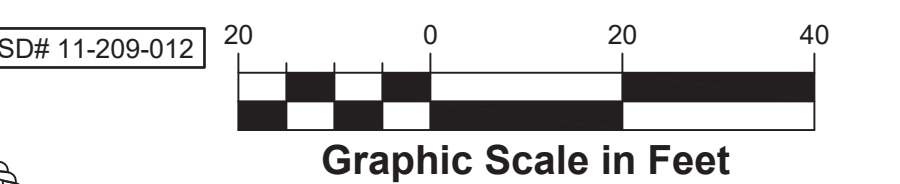
SYM	COMMON NAME
TREES	
LS	QUEEN CRAPE MYRTLE
LL	WILD TAMARIND
CD	PIGEON PLUM
AR	RED MAPLE
TA	BALD CYPRESS
UP	DRAKE ELM
PE	SOUTH FLORIDA SLASH PINE
LI	TONTO CRAPE MYRTLE
EXISTING TREES	
SHRUBS	
CI	RED TIP COCOPLUM
WM	WAX MYRTLE
GROUND COVER	
CM	EMERALD BLANKET CARISSA
ZP	COONTIE
MC	MUHLI GRASS
GG	THRYALLIS
AA	LILY OF THE NILE
IX	RED DWARF IXORA TAIWAN
SOD	
SOD	ST. AUGUSTINE GRASS
BAHIA	ARGENTINE BAHIA SOD
P	= PERIMETER
M	= MITIGATION
F	= FOUNDATION
- - -	= ROOT BARRIER

SOUTH PERIMETER
SEC. 154.03 (C) GENERAL LANDSCAPING REQUIREMENTS
1. (c.) SITE PERIMETER LANDSCAPING REQUIREMENTS

REQUIRED: 1 TREE / 30 LF
 396 LF / 30 LF = 13.2 (13 TREES)

1 SHRUB / 2 LF
 396 / 2 LF = 198 SHRUBS

PROVIDED: 1 EXISTING TREES
 12 NEW TREES
 198 SHRUBS



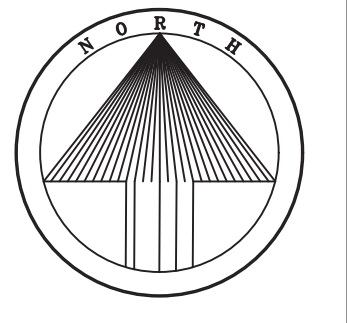
THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND.

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 CPH JOB NUMBER: A20165

Owner / Developer:
AutoZone Inc.
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 For Bidding & Contractor Information Contact:
 F.W. Dodge Plan Room Tel: (615) 884-1017

Prepared for:
AutoZone Store Development
 Store No.: FL1239
 10490 SOUTH FEDERAL HIGHWAY
 PORT ST. LUCIE, FLORIDA 34952



SCALE: AS NOTED

REVISIONS

- PER CITY COMMENTS
- BASE UPDATE
- WALL UPDATE
- CITY COMMENTS
-
-
-

ARCHITECT: GC
 DRAFTSMAN: AA
 CHECKED BY: JW
 DATE
OCTOBER 2022
 PROTOTYPE SIZE
65W2

L1.0

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J:\A20165\Landscaping\DWG\Preliminary\Design\Plans\A20165 - L1.0 LSP.dwg, 5/8/2024, 11:27:55 AM, Ahmad, Alexander, CPH FULL SIZE.ctb

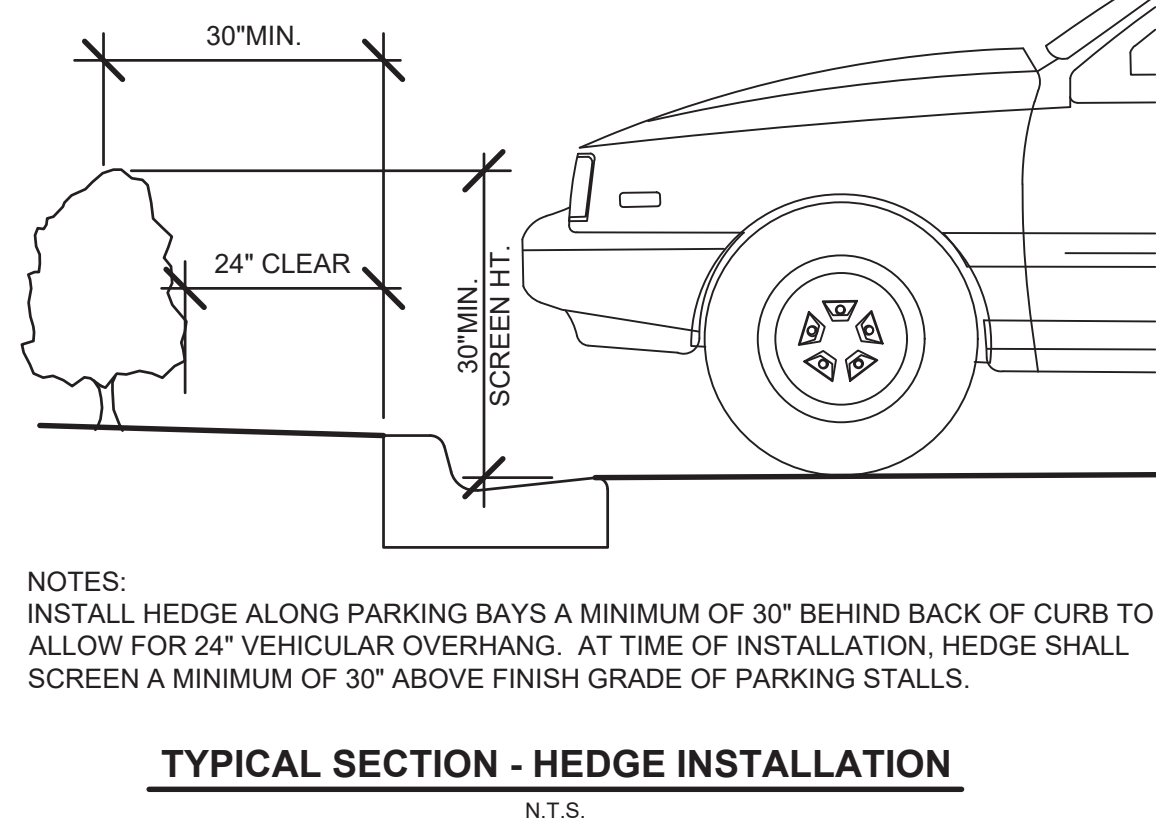
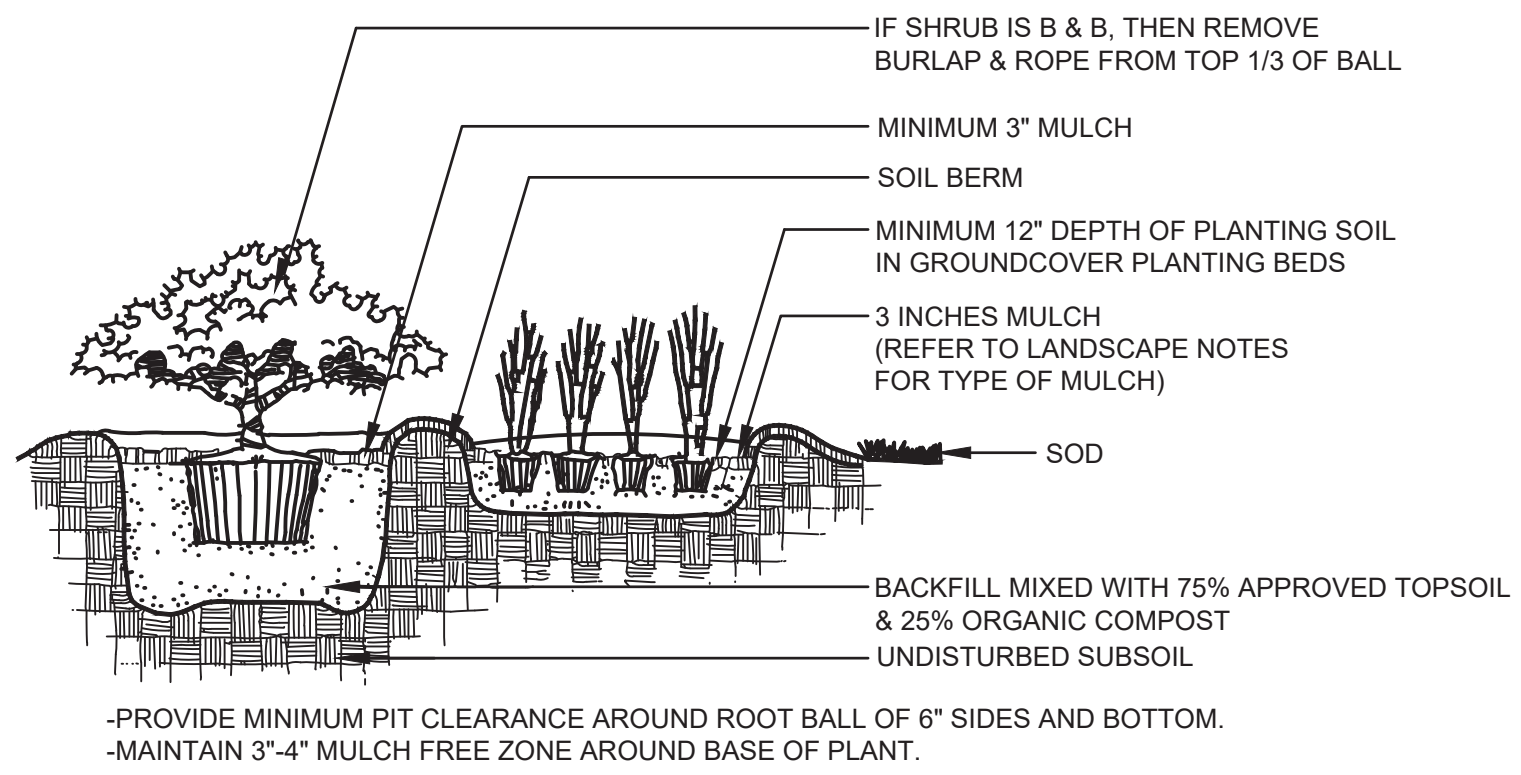
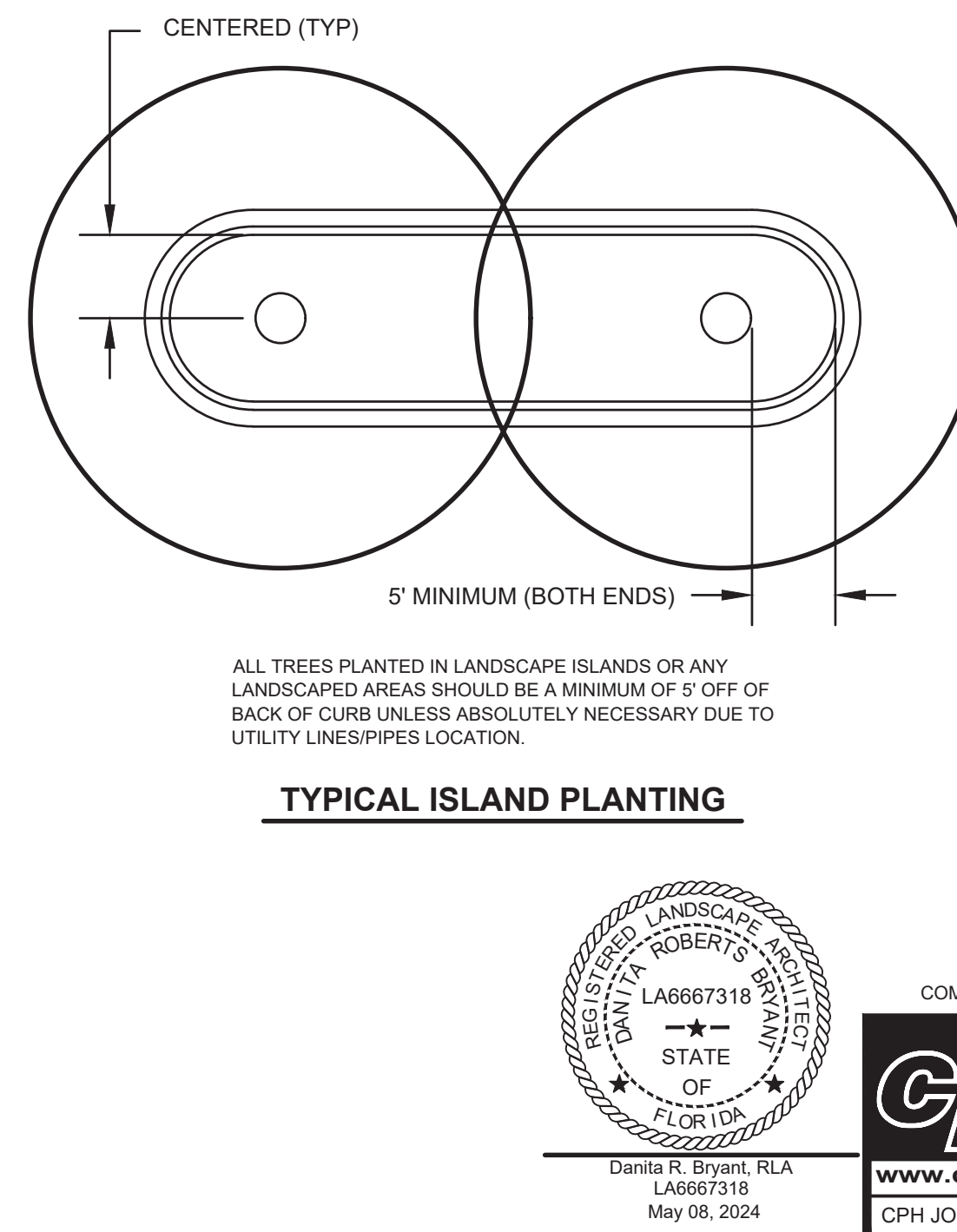
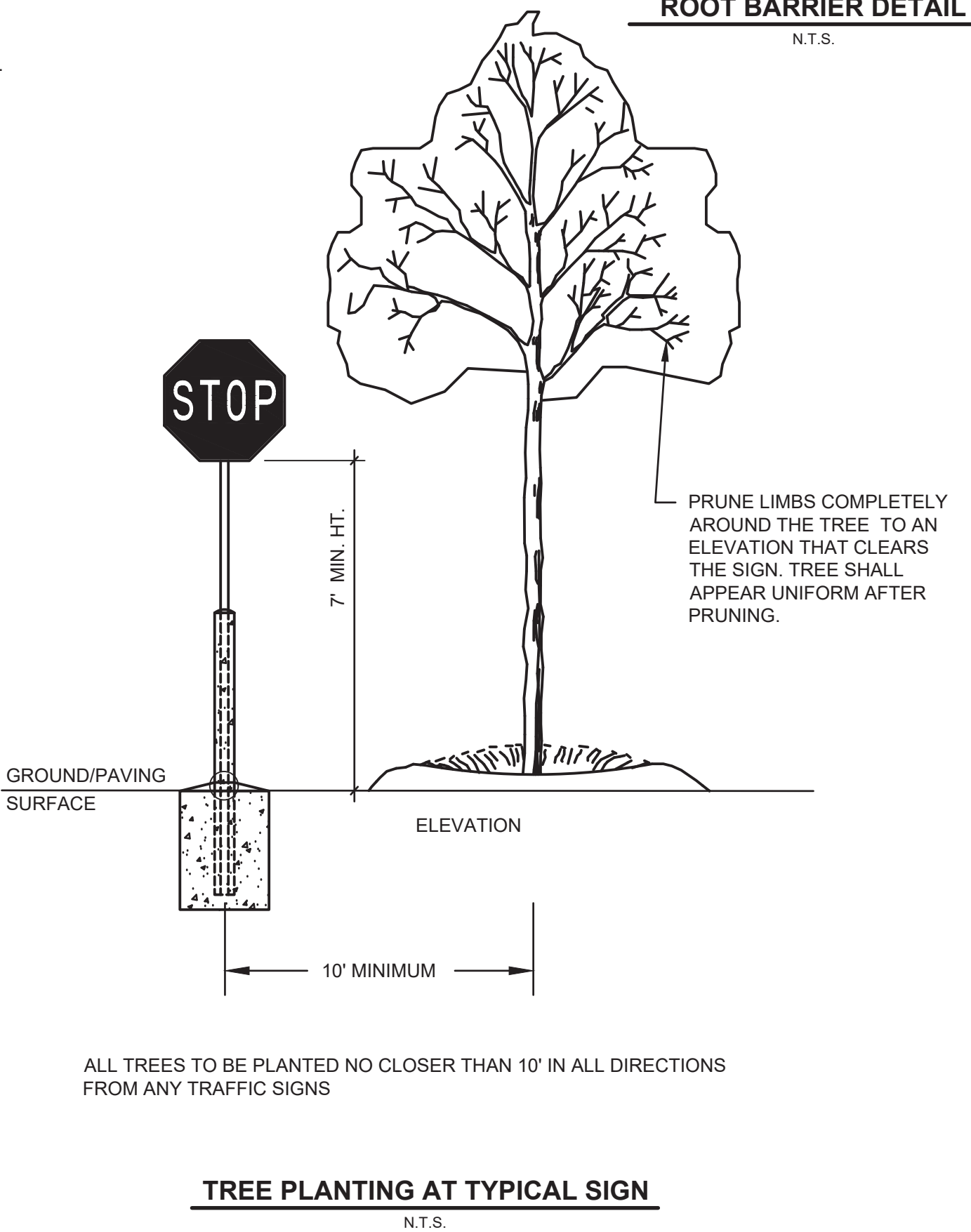
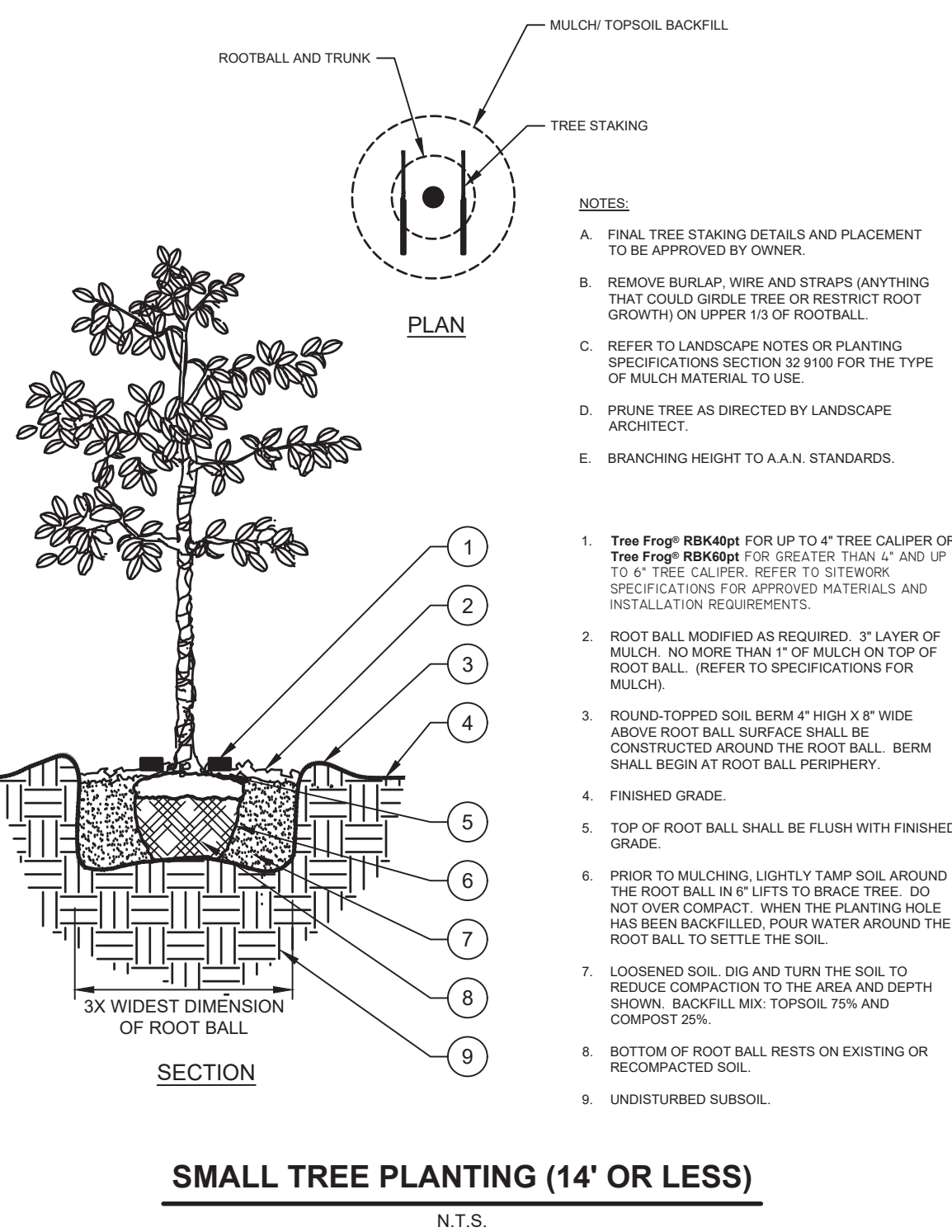
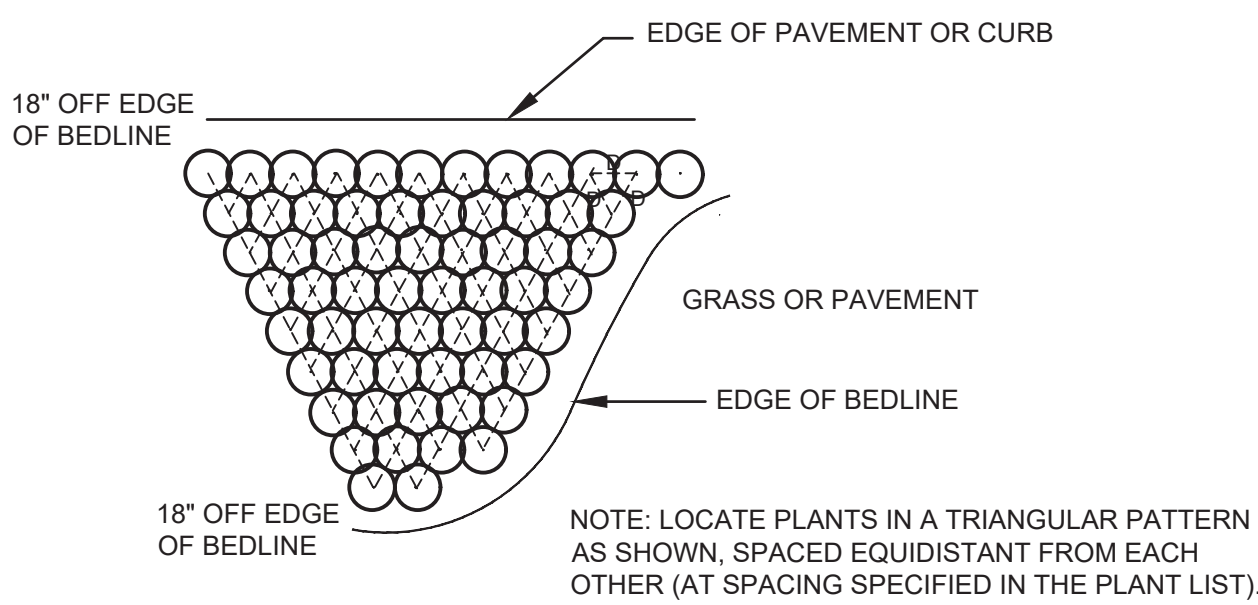
LANDSCAPE NOTES:

- The Landscape Contractor shall be responsible for all materials and all work as called for on the Landscape Plans and in the Landscape Specifications. In the event of variation between quantities shown on plant list and the plans, the plans shall control. The Landscape Contractor shall verify all quantities and report any discrepancies at the time of bidding.
- The Landscape Contractor shall review architectural/engineering plans and become thoroughly familiar with surface and subsurface utilities.
- Prior to construction, the contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of the work. Locations of existing buried utility lines shown on the plans are based upon best available information and are considered to be approximate. It shall be the responsibility of the contractor 1) to verify the locations of utility lines within and adjacent to the work area 2) to protect all utility lines during the construction period 3) to repair any and all damage to utilities, structures, site furnishings, etc. which occurs as a result of the construction 4) To field adjust the location of proposed trees and palms 10' off the center of the utility lines. Notify the Landscape Architect if a 10' offset does not function.
- The work shall be coordinated with other trades to prevent conflicts. Coordinate the planting with the irrigation work to ensure availability and proper location of irrigation items and plants.
- Contractor shall ensure that there are no visual obstructions to vehicle lines of sight and traffic controls. Contractor shall field adjust tree and/or large shrub locations to avoid any such obstructions.
- Trees shall be maintained by the owner to avoid future such obstructions by pruning trees and/or shrubs as necessary utilizing horticulturally sound techniques.
- All planting shall be performed by personnel familiar with planting procedure and under the supervision of a qualified planting foreman.
- All plant material shall be graded Florida No. 1 or better as outlined under Grades and Standards for Nursery Stock, Part I and II, published by the Florida Department of Agriculture and Consumer Services.
- The minimum acceptable size of all plants, measured after pruning, with branches in normal positions, shall conform to the measurements specified on the plant list or as indicated on the landscape drawing. Height and spread dimensions refer to main body of the plant and not extreme branch tip to tip. Trunk caliper (trunk diameter) is measured 6 inches from the ground on trees up to and including 4 inches in caliper, and 12 inches from the ground for larger trees. Since trunks are seldom round, the average of the largest diameter and that perpendicular to it is referred to as caliper. When the plant list description calls out DBH or caliper at DBH, it shall govern over the caliper definition in this note.
- The Landscape Architect or Owner shall have the right, at any stage of the operations, to reject any and all work and materials which, in his opinion, do not meet with the requirements of these specifications.
- Except as otherwise specified, the Landscape Contractor's work shall conform to accepted horticultural practices as used in the trade.
- Plants shall be protected upon arrival at the site, by being thoroughly watered and properly maintained until planted.
- TOPSOIL**
Topsoil shall be natural, friable, fertile, fine loamy soil possessing characteristics of representative topsoil in the vicinity that produces heavy growth. Topsoil shall have a pH range of 5.5 to 7.4, free from subsoil, objectionable weeds, litter, sods, stiff clay, stones larger than 1-inch in diameter, stumps, roots, trash, toxic substances, or any other material which may be harmful to plant growth or hinder planting operations. Top soil shall contain a minimum of three percent organic material. 6" Top Soil shall be placed in all turf & landscape areas.
- All tree pits shall be excavated to size and depth in accordance with the Florida Grades & Standards for Nursery Stock, unless shown otherwise on the drawings, and backfilled with the specified planting soil. The Landscape Contractor shall test fill all tree pits with water before planting to assure proper drainage percolation is available.
- The Landscape Contractor shall be responsible for proper watering of all plants. All plants shall be thoroughly watered at time of planting and kept adequately watered for plants to thrive as defined by Florida Grades and Standards for Nursery Stock until time of acceptance. It shall be the Landscape Contractor's responsibility to assure that plants are not over watered.
- It shall be the Landscape Contractor's responsibility to prevent plants from falling or being blown over, to re-straighten and replant all plants which lean or fall and to replace all plants which are damaged due to lack of proper pruning or staking. The Landscape Contractor shall be legally liable for any damage caused by instability of any plant material.
- All Palms to be staked as indicated per Palm staking details. All other trees to be stabilized per tree planting details.
- Plants blown over by high winds, within the guaranteed period, shall not be cause for additional expense to the Owner, but shall be the responsibility of the Landscape Contractor. Damaged plants shall be replaced by the Landscape Contractor at no additional cost to the Owner.
- Sod shall be of a species specified on the drawings and originate from a commercial turf grower, whose farm is free of muck soils. Muck grow sod will not be approved. It shall be a dense stand of live turf, reasonably free of weeds, well matted with grass roots in rectangles 12 inch by 24 inch or in 12 inch wide rolls in a length consistent with the equipment and methods used to handle the rolls and place the sod. Any netting contained within the sod shall be certified by the manufacturer to be bio-degradable. The soil and root mat shall be a minimum of 1-1/2 inch thick and must hold together during placement. Sod shall be placed adjacent to one another to avoid gaps and overlaps. Joints shall be staggered between the rows. Sod placed on slopes exceeding 3:1 shall be pinned with turf staples. Sod turf, shall have been mowed a minimum of one week prior to cutting and delivery, so that the length of the turf is no longer than 4 inches at time of delivery. Place sod within 48 hours of cutting the sod. The sod shall be kept moist throughout the 48 hour period to maintain the health and viability of the sod. Submit a letter of certification to the Owner's CEI Representative, at time of delivery, as to the source of the sod, the time it was cut, the species and cultivars provided, last mowing date, and that the sod is free of fire ants. Sod which has been cut for longer than 48 hours after being cut shall not be used unless specifically authorized by Owner's CEI Representative.
- It shall be the Contractor's responsibility to measure and determine the exact quantity of sod required for a complete job at the time of bidding or providing a price quote. The Owner shall not be responsible for additional cost due to the Contractor's under estimating of the quantity of sod for the original bid area.
- The Landscape Contractor shall insure adequate vertical drainage in all plant beds, planters, and sod areas. Vertical drilling through any compacted fill to native soil shall be accomplished to insure drainage. If well drained fill is necessary to assure positive drainage, this issue shall be brought up by the Landscape Contractor at time of bidding.
- UNSUITABLE SUBSOILS**
Locations containing unsuitable subsoil shall be treated by one or more of the following:
 - Where unsuitability is deemed by Owner or Owner's Representative to be due to excessive compaction caused by heavy equipment and where natural subsoil is other than AASHTO classification of A6 or A7, loosen such areas with spikes, discing, or other means to loosen soil to condition acceptable to Owner. Loosen soil to minimum depth of 12 inches with additional loosening as required to obtain adequate drainage. Contractor may introduce peat, moss, sand, or organic matter into the subsoil to obtain adequate measures shall be considered as incidental, without additional cost to Owner.
 - Where unsuitability is deemed by Owner or Owner's Representative to be due to presence of boards, mortar, concrete, graded aggregate base, or other construction materials in sub grade and where natural subsoil is other than AASHTO classification of A6 or A7, remove debris and objectionable material. Such remedial measures shall be considered as incidental, without additional cost to Owner.
 - Where unsuitability is deemed by Owner to be because natural subsoil falls into AASHTO classification of A6 or A7 and contains moisture in excess of 30 percent, then installation of sub drainage system or other means described elsewhere in Specifications shall be used. Where such conditions have not been known or revealed prior to planting time and they have not been recognized in preparation of The Drawings and Specifications, then Owner shall issue pricing order to install proper remedial measures.
- Planting beds where existing subsoil is determined by Owner to be unsuitable for plant growth in accordance paragraph Unsuitable Subsoil herein shall be excavated to a depth of 12 inches or as needed to provide adequate drainage. Replace excavated soil with planting soil.
- The Landscape Contractor shall ensure that his work does not interrupt established or projected drainage patterns.
- The Landscape Contractor shall prune, shape and remove dead foliage/limbs from existing plant material to remain. Confirm with the Landscape Architect or Owner the extent of work required at time of Bidding.
- Mulch - All plant beds shall be top dressed with 3" shredded hardwood mulch (or approved equal). Cypress mulch not permitted. A 5' diameter mulch ring is to be placed around trees located in sod areas or outside of planting beds.
- Transplanted Material - The Landscape Contractor shall be responsible for determining and evaluating which plant materials are suitable for transplanting and shall verify this with the Landscape Architect or Owner. The Landscape Contractor shall take all reasonable, horticulturally acceptable measures to assure the successful transplanting of determined plant materials. The Landscape Contractor shall be responsible for replacing any relocated plant materials which die if such measures are not taken, as determined by the Landscape Architect or Owner. Replacement plants shall be of identical species and size if required.
- MAINTENANCE PRIOR TO FINAL INSPECTION AND ACCEPTANCE:**
 - Maintenance shall commence after each plant is planted and the maintenance period shall continue until the job or specific phase of the job is accepted by the Landscape Architect or Owner. Extreme care shall be taken to instruct the Owner or his representatives in general maintenance procedures.
 - Plant maintenance shall include watering, pruning, weeding, cultivating, mulching, tightening, and repairing of guys, replacement of sick or dead plants, resetting plants to proper grades or upright positions and restoration of the planting saucer and all other care needed for proper growth of the plants.
 - During the maintenance period and up to the date of final acceptance, the Landscape Contractor shall do all seasonal spraying and/or dusting of trees and shrubs. Upon completion of all planting, an inspection for acceptance of work will be held. The Landscape Contractor shall notify the Landscape Architect or Owner for scheduling of the inspection 10 days prior to the anticipated date.
 - At the time of the inspection, if all of the materials are acceptable, a written notice will be given by the Landscape Architect or Owner to the Landscape Contractor Stating the date when the Maintenance Period ends.
- GUARANTEE AND REPLACEMENT:**
 - All plant materials shall be guaranteed for one (1) year from the time of final inspection and interim acceptance shall be alive and in satisfactory growth for each specific kind of plant at the end of the guaranteed period.
 - At the end of the guarantee period, any plant required under this contract that is dead or not in satisfactory growth, as determined by the Owner or the Landscape Architect, shall be removed and replaced. Replacement plants shall have an extended guarantee, as noted above, from time of replacement.
 - All replacements shall be planted of the same kind and size as specified on the plant list. They shall be the responsibility of the Landscape Contractor.

SYM		COMMON NAME	BOTANICAL NAME	DESCRIPTION	QTY.	NATIVE	DROUGHT TOLERANCE
TREES							
LS	QUEEN CRAPE MYRTLE	LAGERSTROEMIA SPECIOSA	2.5" MIN. CAL. 12" MIN. HT., STD.	9	NO	HIGH	
LL	WILD TAMARIND	LYSILOMA LATSILIGUUM	2.5" MIN. CAL., 12" MIN. HT., 60" MIN. SPRD.	9	YES	HIGH	
CD	PIGEON PLUM	COCCOLOBA DIVERSIFLIA	2.5" MIN. CAL., 12" MIN. HT., 60" MIN. SPRD.	3	YES	HIGH	
AR	RED MAPLE	ACER RUBRUM	4" MIN. CAL., 14" MIN. HT., 60" MIN. SPRD.	9	YES	HIGH	
TA	BALD CYPRESS	TAXODIUM DISTICHUM	4" MIN. CAL., 14" MIN. HT., 60" MIN. SPRD.	19	YES	HIGH	
UP	DRAKE ELM	ULMUS PARVIFOLIA	2.5" MIN. CAL., 12" MIN. HT., 60" MIN. SPRD.	6	NO	HIGH	
PE	SOUTH FLORIDA SLASH PINE	PINUS ELLIOTTII VAR. DENSA	4" MIN. CAL., 14" MIN. HT., 60" MIN. SPRD.	19	YES	HIGH	
LI	TONTO CRAPE MYRTLE	LAGERSTROEMIA INDICA 'TONTO'	2.5" MIN. CAL. 8" MIN. HT., STD.	9	NO	HIGH	
EXISTING TREES							
SHRUBS							
CI	RED TIP COCOPLUM	CHRYSOBALANUS ICACO 'RED TIP'	7 GAL., 24" MIN. HT., 16" MIN. SPRD., 36" O.C.	507	YES	HIGH	
WM	WAX MYRTLE	MYRICA CERIFERA	7 GAL., 24" MIN. HT., 16" MIN. SPRD., 36" O.C.	183	YES	HIGH	
GROUNDCOVER							
CM	EMERALD BLANKET CARRISA	CARRISA MACROCARPA 'EMERALD BLANKET'	3 GAL., 7" MIN. HT., 14" MIN. SPRD., 30" O.C.	267	NO	HIGH	
ZP	COONTIE	ZAMIA PUMILA	3 GAL., 10" MIN. HT., 15" MIN. SPRD., 30" O.C.	267	YES	HIGH	
MC	MUHY GRASS	MUHLENBERGIA CAPILLARIS	3 GAL., FULL, 30" O.C.	93	YES	HIGH	
GG	THRYALLIS	GALPHIMIA GLAUCA	3 GAL., 15" MIN. HT., 15" SPRD., 30" O.C.	82	NO	MED	
AA	LILY OF THE NILE	AGAPANTHUS AFRICANUS	1 GAL., 12" MIN. HT., 3 PPP, 24" O.C.	372	NO	MED	
IX	RED DWARF IXORA TAIWAN	IXORA TAIWANENSIS	3 GAL., 24" MIN. HT., 14" MIN. SPRD., 24" O.C.	64	NO	MED	
SOD							
SOD	ST. AUGUSTINE GRASS	STENOTAPHRUM SECUNDATUM	SOLID SOD, CONTRACTOR TO VERIFY QTY.				
BAHIA	ARGENTINE BAHIA SOD	PASPALUM NOTATUM 'ARGENTINE'	SOLID SOD, CONTRACTOR TO VERIFY QTY.				

NOTE:

- PLANT DESCRIPTIONS ARE FOR MINIMUM ACCEPTABLE SPECIFICATIONS. ALL CRITERIA LISTED FOR CONTAINER SIZE, CALIPER, HEIGHT, SPREAD, ETC. MUST BE MET FOR PLANT MATERIAL ACCEPTANCE. FOR EXAMPLE, IF A THREE GALLON SHRUB DOES NOT MEET THE HEIGHT OR SPREAD SPECIFICATION, IT WILL NOT BE ACCEPTED.
- IF SPECIFIED PLANTS ARE UNAVAILABLE AT TIME OF CONSTRUCTION, CONTRACTOR MAY REPLACE SPECIFIED PLANTS WITH PLANTS APPROVED BY LANDSCAPE ARCHITECT AND CITY STAFF.
- ALL OPEN SPACE AREAS WITHIN THE PROPERTY SHALL BE SODDED UNLESS PAVED, SEEDED AND MULCHED OR PLANTED WITH SHRUBS AND GROUND COVER.
- ALL LANDSCAPED AREAS WILL BE 100% IRRIGATED WITH A CENTRAL AUTOMATIC IRRIGATION SYSTEM INCLUDING A RAIN SENSOR.
- CONTRACTOR TO MODIFY EXISTING IRRIGATION SYSTEM TO ENSURE ADEQUATE IRRIGATION FOR ALL NEW PLANT MATERIAL.
- CONTRACTOR SHALL REPLACE ANY EXISTING SOD OR OTHER PLANT MATERIALS DAMAGED DURING CONSTRUCTION IN AREAS THAT ARE OUTSIDE PROPOSED LANDSCAPE AS SHOWN ON THE PLAN.
- CONTRACTOR TO PROVIDE WATER PERMEABLE WEED MAT FOR ALL PLANTING BEDS. CONTRACTOR TO INSTALL ALUMINUM EDGING TO SEPARATE TURF GRASS AREAS FROM PLANT BEDS AND MULCHED AREAS.



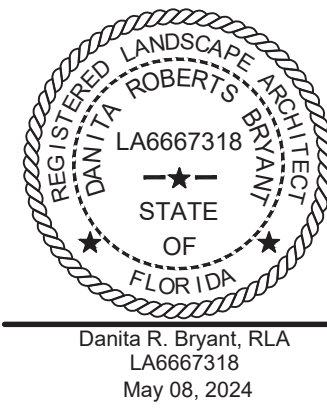
PSLUSD# 11-209-012

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cph

Prepared By: CPH, Inc.

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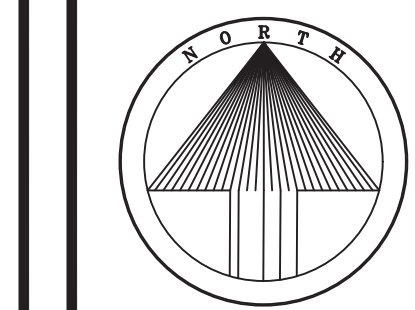
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Tel: (901) 495-8709 Fax: (901) 495-8969
For Bidding & Contractor Information Contact:
F.W. Dodge Plan Room Tel: (615) 884-1017

This item has been digitally signed and sealed by Danita R. Bryant 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

Prepared for:
AutoZone Store Development
Store No.: FL1239
10490 SOUTH FEDERAL HIGHWAY
PORT ST. LUCIE, FLORIDA 34952

LANDSCAPE NOTES AND DETAILS



SCALE: AS NOTED

REVISIONS

1.	PER CITY COMMENTS
2.	
3.	BASE UPDATE
4.	WALL UPDATE
5.	CITY COMMENTS
6.	
7.	

ARCHITECT: GC
DRAFTSMAN: AA
CHECKED BY: JW
DATE: OCTOBER 2022
PROTOTYPE SIZE: 65W2

L5.0