Exhibit C FDOT Amendment No. 1 to Landscape Maintenance Memorandum of Agreement

PERMIT No.: 2022-L-496-00008 COUNTY: PALM BEACH

S.R. No.: SR 7

AMENDMENT NUMBER ONE (1) TO STATE OF FLORIDA DISTRICT FOUR (4) DEPARTMENT OF TRANSPORTATION LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT

THIS AMENDMENT	Number	One (1) to the	Agreement	dated March	22, 2007	, made	and
entered into this	_ day of		20	_ by and bet	ween the	STATE	OF
FLORIDA DEPARTMEN	IT OF TE	RANSPORTATI	ION hereina	fter called the	e DEPAR1	MENT	and
the VILLAGE OF WELI	LINGTON	l , a municipal s	subdivision (of the State	of Florida,	herein	after
called the AGENCY .							

WITNESSETH

WHEREAS, the parties entered into Landscape Maintenance Memorandums of Agreement dated, March 22, 2007 and September 9, 2008 for the purposes of the **AGENCY** maintaining landscape and hardscape improvements on State Road 7 (US 441); and,

WHEREAS, the DEPARTMENT and the AGENCY have agreed to add additional landscape to be installed on State Road 7 (US 441) in accordance with the above referenced Agreement; and,

WHEREAS, the parties hereto mutually recognize the need for entering into an Amendment designating and setting forth the responsibilities of each party, and

NOW THEREFORE, for and in consideration of mutual benefits that flow each to the other, the parties covenant and agree as follows:

- Pursuant to page 5, paragraph 11 of the Landscape Maintenance Memorandum of Agreement for State Road 7 (US 441) dated March 22, 2007, the DEPARTMENT will allow the AGENCY to have constructed additional landscape improvements, or to modify an existing improvement, located as indicated in **Exhibit "A"**, State Road 7 (US 441) between Forest Hill Blvd. (M.P. 22.307) to Medical Park Blvd. (M.P. 22.463), in accordance with the plans attached as **Exhibit "B"**.
- The AGENCY shall agree to maintain the additional landscape improvements in the Agreement described above according to Exhibit "C" Maintenance Plan, attached to this Amendment.

Except as modified by this Amendment, all terms and conditions of the original Agreements and all Amendments thereto shall remain in full force and effect.

LIST OF EXHIBITS

Exhibit A - Landscape Improvements Maintenance Boundary Limits

Exhibit B - Landscape Improvement Plans

Exhibit C - Maintenance Plan for Landscape Improvements

In Witness whereof, the parties hereto have executed with this Amendment effective the day and year written above.

AGENCY	
By:Chairperson/Mayor/N	/lanager
Attest:Clerk	(SEAL)
Legal Approval	Date
STATE OF FLORIDA DEPARTMENT OF TRANS	
By: Steven C. Braun, Trans.	Development Dir.
Attest: Executive Secretary	(SEAL)
Legal Review	Date
Office of the General Couns	 el

PERMIT No.: 2022-L-496-00008 COUNTY: PALM BEACH

S.R. No.: SR 7

EXHIBIT A

LANDSCAPE IMPROVEMENTS MAINTENANCE BOUNDARY LIMITS*

I. ORIGINAL LANDSCAPE MAINTENANCE AGREEMENT LIMITS:

State Road 7 Medians from Lake Worth Road (M.P. 20.50) to Wellington's Boundary (M.P. 23.266)

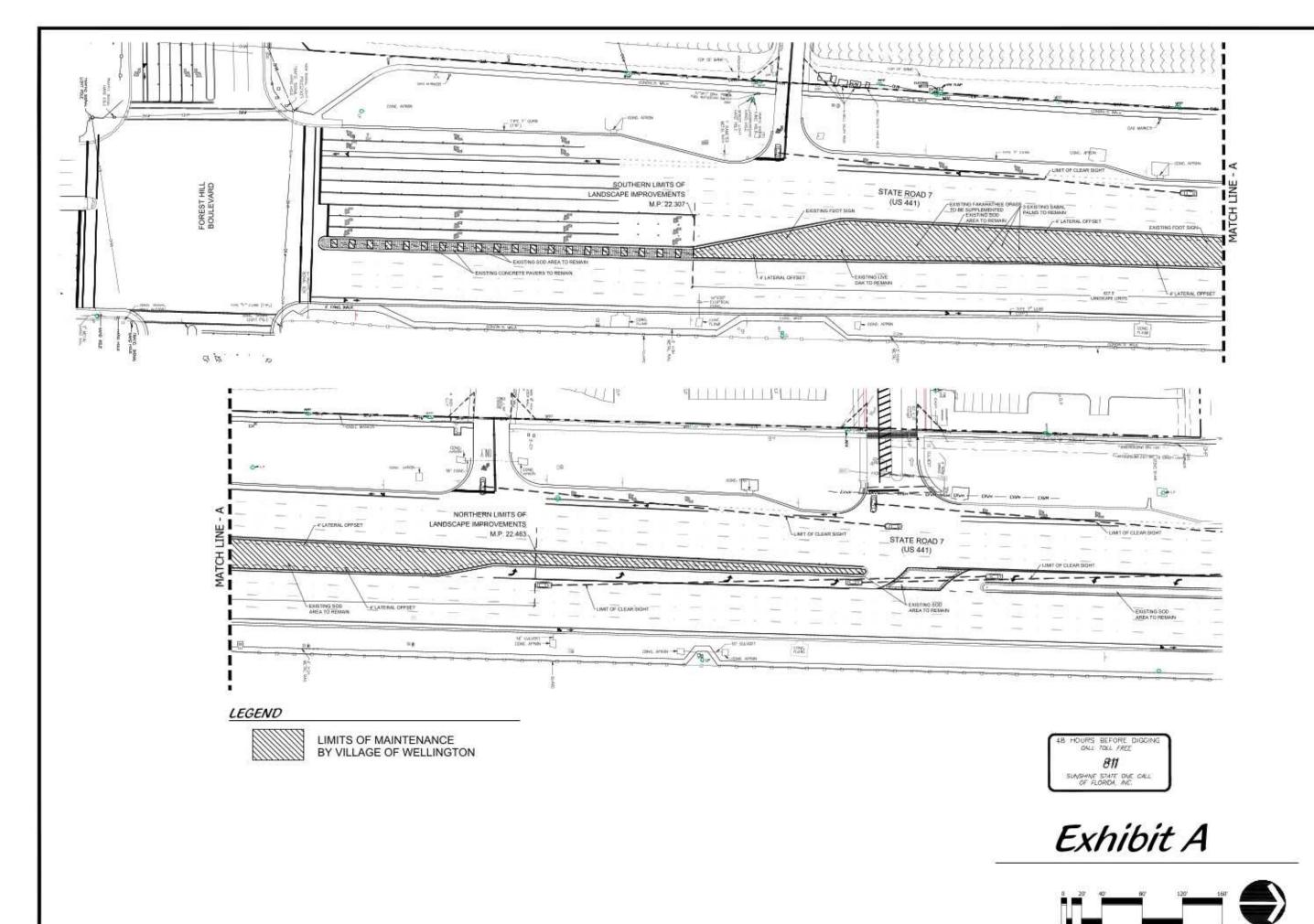
II. PERMIT PROJECT MAINTENANCE LIMITS:

State Road 7 Median between Forest Hill Blvd. (M.P. 22.307) to Medical Park Blvd. (M.P. 22.463)

III. LANDSCAPE IMPROVEMENTS MAINTENANCE BOUNDARY MAP:

Please See Attached

*All limits of the original agreements and amendments shall still apply





Wellington Regional Medical Center STATE ROAD 7 (US 441) LANDSCAPE WELLINGTON, FLORIDA

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JOB NUMBER	19-0603
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Scale: 1" =40'

PERMIT No.: 2022-L-496-00008 COUNTY: PALM BEACH

S.R. No.: SR 7

EXHIBIT B

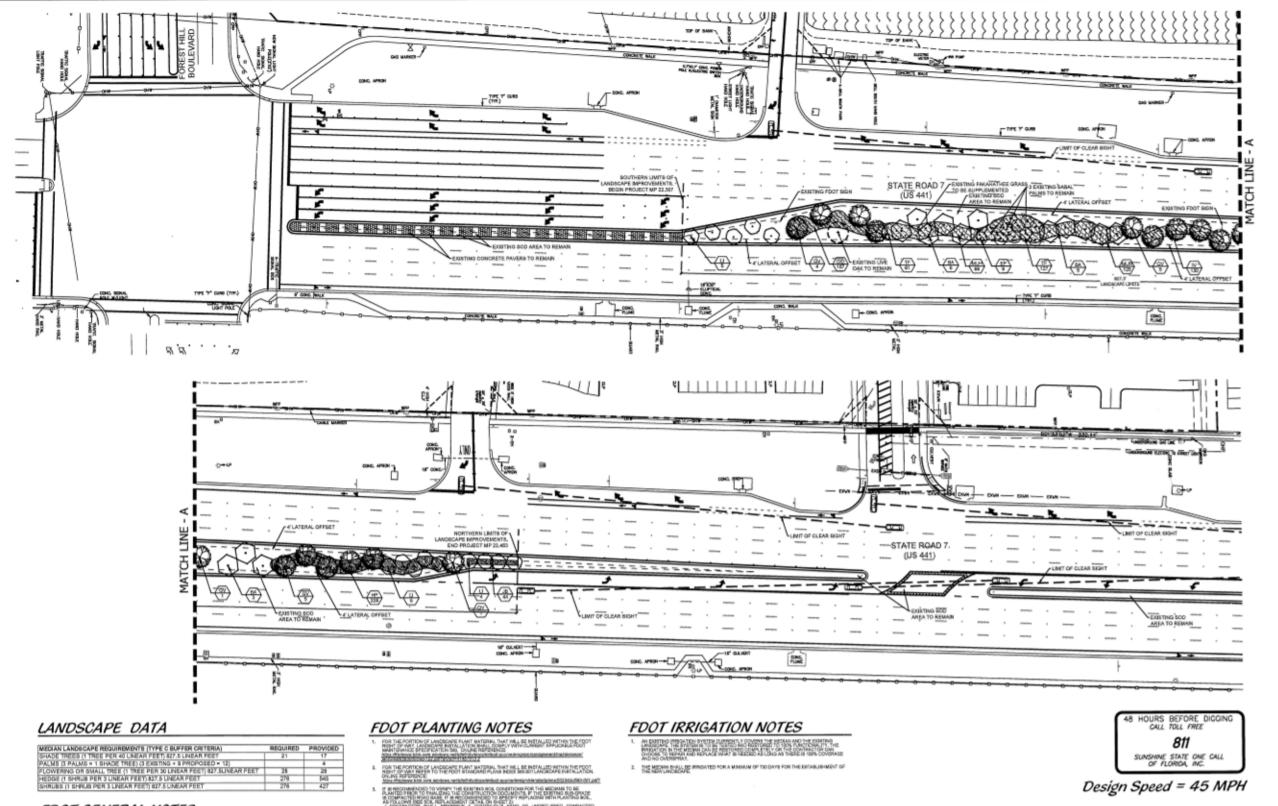
LANDSCAPE IMPROVEMENT PLANS

The AGENCY agrees to install the landscape improvements in accordance with the plans and specifications attached hereto and incorporated herein.

Please see attached plans prepared by: Cotleur & Hearing, LLC

Donaldson Hearing, RLA

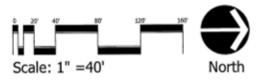
Date: 09/22/2022



FDOT GENERAL NOTES

Landscape Plan

FDOT Landscape Permit Number 2022-L-496-00008





www.cotleurhearing.com Lic# LC-26000535

Center DAD 7 (US 441) LANDSCAPE WELLINGTON, FLORIDA Regional Medical ROAD *Wellington* STATE RO

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VISIONS	08-16-21
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SHEET 1 OF 2

LANDSCAPE SPECIFICATIONS

1. GENERAL LANDSCAPE REQUIREMENTS

LANDICARH CONTRACT WORK INCLIDES, SUT 15 NOT LIMITED TO, SOE, PREPARATION, FINE OR FINISH GRADDED, PURPERHEIS AND INSTRUCTOR PLANT MICRORAL, WATERING, STACING, GUYING AND

PLANT SIZE AND QUALITY

ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VEICHOUSE, WELL-ROOTED RUNTS AND ESTABLISHED BY THE CONTAINER IN WHICH THEY ARE SICLD, THE RUNTS SHALL HAVE TOPS OF GOOD COMMITTY AND BY IN A HEALTHY SECREMIC CONSTITUTE.

STANDARD PLANTING HEXTURE SHALL BE DIVE (1) PART RECYCLED ORGANIC PIATERIAL ADDED TO THREE (3) PARTS EXISTING NATIVE SOIL.

MULCH SHALL BE SHREDDED MELALBUCA, BLICAL/PPTUS OR GRADE "A" RECYCLED, ALL MULCH IS TO BE APPLIED TO A DEPTH OF 5", EXCEPT AS OTHERWISE NOTED.

PERTILIZER IN BACKFELL MOTTURE FOR ALL PLANTS SHALL CONSIST OF MILORGANITE ACTIVATED SLUDGE MOVED WITH THE BACKFELL AT A RATE OF NOT LESS THAN SIL URS. FER CLIRIC WARD.

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PERTILIZER WILL BE APPLIED AT THE FOLLOWING RATES:

AGRIPORIN TANLETS (21 GRAPS)

10ML 1/4 LR 3 10 ML 10 IR 3 7-15 ML 10 IR 3 7-15 ML 10 IR 2 8' AND LANGER 2 LBS./1' CALIPER 2 PER 1' CALIPER 8' AND LANGER 3 LBS./1' CALIPER 2 PER 1' CALIPER

PLANT LIST

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PALM TREES

GROUND COVERS

"PLONEDA ERST COMET PALM SPECIM." SHALL BE EMPLSED TO ALL PALMS AT DISTALLATION AT A RATE OF γ_1 LR. Fire 300H OF TRUME UALISS OTHERWISE SPECIFIED.

FIELD GROWN TREES AND PALMS PREVIOUSLY ROOT PRUFED SHALL ORTAIN A ROOT BALL WITH SUPPLIENT ROOTS FOR CONTINUED GROWTH WITHOUT RESILITING SHOCK.

CONTRACTOR SHALL NOT MARK OR SCAR TRUNK IN ANY FASHION. PLANTS SHALL BE WATERED AS NECESSARY OR WITHIN 24 HOURS AFTER NOTIFICATION BY THE LANDSCAPE ARCHITECT.

THE LOCATIONS OF PLANTS, AS SHOWN IN THESE PLANS, ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODITE UNFORSED FIRED CONSCITIONS. PRACTIC ADJUSTMENTS TO THE LAYOUT AGE TO BE APPROVED BY THE LAYOUT AGE TO BE APPROVED BY THE LAYOUT AND THE APPROVED BY THE LAYOUT AGE TO BE APPROVED BY THE LAYOUT AGE TO BE APPROVED BY THE LAYOUT AGE.

ALL PLASTIC PASSEC SHALL BE REMOVED FROM PLANT PARTIECUL AT TOME OF INSTALLATION.

ALL TREES PLIST BE STAKED AS SHOWN ON THE FLANTING DETAILS WITHIN 29 HOLDER OF FLANTING. STAKES TO REMAIN FOR A RESTRICTION OF 9 FRONTING BY THE STAKES. THAN 26 MONTHS, CONTRACTOR SE RESPONDEDLE FOR MAINTENANCE AND REMOVAL OF THE STAKES. ALL TREES MUST BE PRUNED AS PER LANDSCAPE ARCHITECTS DEPOTION, SABAL PAUMS MAY BE HURBICANE CUT.

ALL SHRURS, TREES AND GROUND COVER WILL HAVE INPROVED SQL AS PER PLANTING SQL NOTES. THE SQLS SHALL BE PLACED IN THE HOLE DURING PLANTING. TOP DRESSING DRLY IS NOT ACCOUNT.

DO NOT ALLOW AIR POOKETS TO FORM WHEN BACKPILLING, ALL TREES SHALL BE SPIKED IN UTILIZING WATER AND A TREE SMA.

TRACTOR SHALL WATER, MULCH, WEED, PRINE, AND OTHERWISE HAINTAIN ALL FOO, UNTIL COMPLETEDS OF CONTRACT OR ACCEPTANCE BY LANDSCAPE 7 PLANTS SHALL BE RESET TO PROPER BRADE, PLANTING SALICIES RESTORED, 8 CORRECTION.

BULNESIA ARBOREA

QUERCUS VIRGINIANA

BOTANICAL NAME SABAL PALMETTO

HAMELIA PATENS

JUNIPERUS CONFERTA

MUHI ENBERGIA CAPILLARIS

LAGERSTROEMIA INDICA ' MUSKOGEE'

BOTANICAL NAME CHRYSOBALANUS ICACO 'HORIZONTAL'

ILEX VONITORIA "SHILLINGS DWARF"

LIVE OAK

FIREBUSH

COMMON NAME SABAL PALM

DWARF YAUPON HOLLY SHORE JUNIPER PENK MUHLY GRASS

2. PLANTING TREES EXCAVATE PLT AS PER PLANTING DETAILS.

MACEVILL AROUND BALL WITH STANDARD PLAYTING PROTURE AND BLOWTLY COPPACT, WITH LOUISING ALL MARKES ARE PLACED TO DUMBLIST WORK AND ARE PACKETING, BUTLO A C PACKET PLACE DUCTOR WITHING 8" OF THAN FOOD BOOK OF SCHAMITCH, APPLY 9" (PER SCHILLARDIT) OF PLACE DUCTOR WITHING 8" OF THAN FOOD BOOK OF SCHAMITCH, APPLY 9" (PER SCHILLARDIT) OF PLACE DUCTOR WITHING 8" OF THAN FOOD BOOK OF SCHAMITCH, APPLY 9" (PER SCHILLARDIT) OF

PRUNE TREE TO REMOVE DAMAGED BRANCHES, IMPROVE NATURAL SHAPE AND THEN OUT STRUCTURE. DO NOT REMOVE MORE THAN 15% OF BRANCHES, DO NOT PRUNE MACE TRIMINAL LEADER. GUY AND STAKE TREE IN ACCORDANCE WIT THE STAKING DETAILS INNEDIATELY AFTER PLANTING. 3. PLANTING SHRUBS

EXCHAPTE PLT OR TREMCH TO 1-10 TIMES THE DIAMETER OF THE BALLS OR CONTAINES OR 1-0" WIDES THAN THE SPREAD OF ROOTS FOR POSITIONING AT PROPER HEIGHT. SACCHILL AROUND PLANTS WITH STRANDARD FLARIFING MICHINE, COPPARTS THE THE TRANDARD FLARIFING MICHINE, COPPARTS THE THE TRANDARD FLARIFING MICHINE, COPPARTS THE TO THE STRANDARD FLORIFING AS POSITION FOR POSITION TO THE TOTAL THE STRANDARD THE TOTAL THE TOTA

PRUNE SHILLES TO REMOVE DAMAGED BRANCHES, IMPROVE NATURAL SHAPE AND THEN OUT STRUCTURE. DO NOT REMOVE MORE THAN 19% OF BRANCHES.

4. PLANTING GROUND COVER

LOGSEN SUBGRADE TO DEPTH OF 4" IN AREAS WHERE TOPSOIL HAS BEEN STREPPED AND SPREAD SPREAD.

SPACE PLANTS AS OTHERWISE INDICATED. DIS HOLES LARGE ENDUSH TO ALLOW SPREADING OF ROOTS, COMPACT SACRIFILL TO BLIMBATE WORS AND LEAVE SLADE SLIGHTLY DISHED AT FACH PLANT, MATER THORDISHLY, APPLY 3" OF HILLDH OVER ENTER PLANTING SED, LETTING PLANT POLICIES MADERN PLANT.

DURING PRICIODS OF HOT SUR AMD/OR WIND AT TIME OF PLANTING, PROVIDE PROTECTIVE COVER FOR SEVERAL DAYS OR AS RESDED.

5, PLANTING LAWNS

SCODENS: SOD TYPE SPECIFIED ON PLANT LIST SHALL BE MACHINE STRIPPED NOT MORE THAN 34 HOURS PROOF TO LAVING.

LAY SOD STREPS WITH TIGHT JOBRIS, DO NOT CHEELE, STRAGER STREPS TO GETEST XENYS IN ADMICTIT COLRECT, WORK SETTED STANDARD PLANTING HOTTLES INTO MEMOR REACES BETTER PRICES OF SOD AN EMMAY BELES SOD, DEPOSITE FIRM SODDED ANDE, SOD OF A SUPE SIG THAN 11 MAIL, BE STREED IN FLACE, MOLL OF STAND LIBRITLY AND MAYER THOROUGH. IN METE FREE SPAND SHOULTH'S AFTER LANTIAL.

6. NISCELLANEOUS LANDSCAPE WORK

LANDSCAPE PAINTENANCE

NO SUBSTITUTION OF PLANT MATERIAL, TYPE OR SIZES WILL BE PERMITTED WITHOUT AUTHORIZATION FROM THE LANDSCAPE AROUTTECT.

PLANTING SED PREPARATION.

ALL LANDSCAPE ISLANDS AND WEDS WILL SE FREE OF SHELL ROCK AND CONSTRUCTION DEBRIS AND WILL SE ENCHANTED TO A DEPTH OF 30 INCHES OR TO CLEAN, MATTHE SOIL AND FALLED WITH THE SPECIALIST SOIL.

LANDSCAPE WARRENTY

2" CAL, MIN

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SIZE 12" x 12" 24" X 24" 15" X 15" 8" x 15" 24" X 24" 24" X 24"

51ZE 12' HT X 5' SPRD 13' Q.A.X 5' SPRD

12' HT, X 5' SPRD.

30" O.C. 24" O.C. 24" OC 30" O.C.

NATIVE LOW MAINT

NATIVE LOW MAINT

FULL & THICK CANOPY, FLORIDA #1, 4"

REMARKS SLICK, STRAIGHT TRUNK, MATCHING

REMARKS FULL & THICK, NOT STRETCHED

FULL CANOPY, FL #1.

FULL & THICK FULL & THICK

FULL & THICK

FULL AND THICK

LANDSCAPE NOTES

ALL PROPOSED PLANT MATERIAL SHALL SE FLORIDA NUMBER 1 OR BETTER AS DESCRIBED IN GRADES AND STANDARDS FOR NUMBERY PLANTS, PARTS I AND IL LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF ASSOCIATIVES AND CONSUMER SERVICE.

ALL PLANTED ASSAULTSHALL SECTIVE A 3" LAYER OF SHREDDED PARCH.

ALL PLANT NATERIAL SHALL BE PRUMED, IF MEDDED, TO ACHERYE THE SHAPE AND FORM OWARACTERISTIC TO THEIR DESIGN DITENT. PRUMENG TO BE IN STRICT ACCORDANCE WITH ISA STANDARDS. ALL SOD OR SEED SHALL BE CERTIFIED OF APPLICABLE) AND WEED AND INSECT FREE.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING DISTING UTILITIES OR OTHER OBSTRUCTIONS WHICH MAY DISTRUCTED WITH PLAN INSTALLATION CALL SLANDHING ONE CALL SERVICE FOR UNDERSKOUND UTILITY LOCKTIONS 48 HOURS PRIDE TO ANY SOCIALITION OF DISCISS 1-800-402-400.

LANDSCAPE AND/OR SOO SHALL BE PLACED TO THE EDGE OF PAYEMENT FROM YEHROULAR AREAS, ADJACENT TO CANAL BANKS, LAKES OR OTHER LANDSCAPE AREAS.

ALL RECHARICAL SOLEPHENT, IRRIBATION RUMPS FR. TRANSFORMERS, POOL PUMPS, ECT. SHALL BE SCREED ON A PERENUM OF THREE SIDE BY LANDSCAPE SHRUBS. CORNER CLIP AND VISIBILITY TROMOLES SHALL BE PAINTAINED FOR CLEAR SIGN VISIBILITY PROH THIRTY (38) INCHED TO EIGHT FEET HIGH (TREE AND PAIM TRUNKS EXCLUDED). ROOT BARRIERS SHALL BE INSTALLED INHERE REQUIRED BY LOCAL UTILITY COMPANY OR OTHER RESULATING AGRICUES.

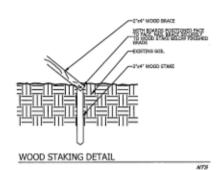
WHERE FOLES SPECIES ARE USED, APPROPRIATE SETBACKS AND SAFESLANDS (ROOT BARRERS) SHALL ALL TREES AND PALANS SHALL BE STAKED/GUYED IN ACCORDANCE WITH THE SPECIFICATIONS AND PLANTING DETRELS.

ALL PLANTING BEDS SHALL BE SHAPED AND SLOPED TO PROVIDE PROPER DRAINAGE. LOCAL UTILITY AND FIRE RESCUE CLEARANCE ZONES SHALL SE PROVEDE AROUND ALL ABOVE GROUND OR AT GRADE PRITTIPS AND EQUIPMENT. STREET TIRE LOCATIONS SHALL BE COORDINATED WITH DRIVINGWAYS, STREET LIGHTS, UTILITIES AND PIRE HYDRIANTS.

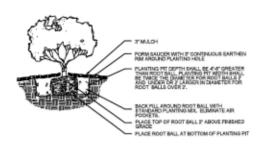
THERE SHALL BE A MENENUM SIX FEET SEMANTION BETWEEN LANDSCAPE AND UTILITIES, LANDSCAPE PLANTING SHALL BE IN CONFORMANCE WITH FPL GLIZELINES FOR SETBACKS FROM OVERHEAD UTILITY

ALL PLANTING AREA SHALL BE EXCENSIVED TO A DEPTH OF 35" MINIMUM AND BACUTELLED WITH A SOLL FID. CONSETTING IP. S. NATTY, SOLL, N. CLEMI SAND AND N. COMPOSED COM MANUEL OR COMPARABLE CONSESSION OF A NATURE SOLL, N. CLEMI SAND AND N. COMPOSED COM MANUEL OR COMPARABLE EASEMENTS SHALL NOT ENGROACH LANDSCAPE BUFFERS MORE THAN FORE FEET. POOT TIPE DICK FICHER SHALL BE PROVIDED ALONG THE PERMETER OF ALL LANDSCAPE, OPEN SPACE, DARBASE AND GRADED AREAS ADMICENT TO PRINTD VEHICULAR USE AREAS, DICEPT WHERE WHEEL, STOPS ARE PROVIDED.

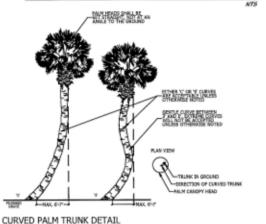
CORNER CLIPS AND VISIBLITY TRIANGLES SHALL BE HARMADHED CLEAR OF VESETATION TO PROVIDE UNDESTRICTED VISIBLITY BETWEEN BY AND A RACHE CROWN OF PROFESSAT. LIGHT POLES, FIRE HYDRANTS, ELECTRICAL/MEDHAMICAL EQUIPMENT, SIGNS, DRAINAGE STRUCTURES, ECT. SHALL BE INTERFERE WITH LANDSCAFING IN TERMINAL ISLANDS, INTERIOR ISLANDS, MEDIANS,

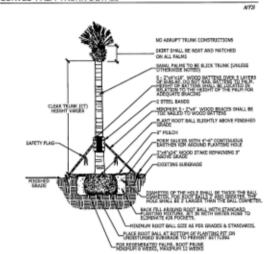


PLANTING DETAILS

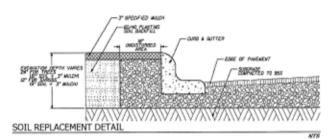


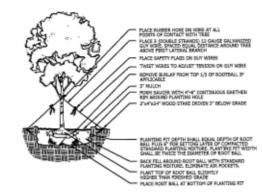
SHRUB/GROUNDCOVER PLANTING DETAIL





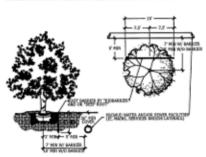
SABAL PALM PLANTING DETAIL



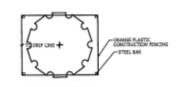


LARGE TREE PLANTING DETAIL

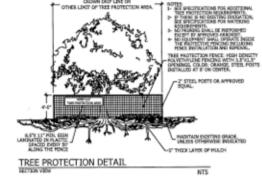
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ROOT BARRIER DETAIL



TREE PROTECTION DETAIL



Landscape Details FDOT Landscape Permit Number 2022-L-496-00008

www,cotleurhearing.com Lic# LC-26000535 Ø Cente AP 441) LANDSCA FLORIDA Medical 4 Regional DAD 7 (US 4 WELLINGTON, I OAD Wellington \simeq ш ΑT

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Hearing

Environmental Consultants

Jupiter, Florida 33458 561,747,6336 - Fax 747,1377

Landscape Architects Land Planners

1934 Commerce Lane

August 16, 3021 8:33:35 s.m. Drawing 19-0603 UNDWG

SHEET 2 OF 2

PERMIT No.: 2022-L-496-00008 COUNTY: PALM BEACH

S.R. No.: SR 7

EXHIBIT C

MAINTENANCE PLAN FOR LANDSCAPE IMPROVEMENTS

This Exhibit forms an integral part of the DISTRICT FOUR (4) LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT between the State of Florida, Department of Transportation and the AGENCY.

Please see attached

MAINTENANCE PLAN Landscape Improvements

Project State Road No(s): State Road 7 from Forest Hill Blvd to Medical Park Blvd

Permit or FM No(s): 2022-L-496-00008

RLA of Record: Donaldson E. Hearing, RLA

Maintaining Agency: Village of Wellington

Date: June 16, 2022

The purpose of a plan for the Landscape Improvements maintenance practices is to allow the plant material on the project to thrive in a safe and vigorous manner while fulfilling their intended purpose and conserving natural resources. Plantings and all other landscape improvements within FDOT right of way shall be maintained to avoid potential roadway hazards; and to provide clear visibility, accessibility, clearance, and setbacks as set forth and required by the Florida Department of Transportation (FDOT) in the following governing standards and specifications: FDOT Standard Plans, FDOT Plans Design Manual and FDOT Standard Specifications for Road and Bridge Construction, as amended by contract documents, and all other requirements set forth by the District 4 Operations Maintenance Engineer.

Part I of the Maintenance Plan describes general maintenance requirements and recommendations that are standard for all projects. Part II provides recommendations prepared by the Registered Landscape Architect of Record specific to the attached approved plans.

PART I. GENERAL MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS:

WATERING REQUIREMENTS

Watering is a critical concern for not only the maintenance of healthy plant material but also for observing water conservation practices. The amount of water to apply at any one time varies with the weather, drainage conditions and water holding capacity of the soil. For plant materials that have been established, it is imperative that any mandated water restrictions be fully conformed to on FDOT roadways.

Proper watering techniques should provide even and thorough water dispersal to wet the entire root zone, but not saturate the soil or over-spray onto travel lanes.

IRRIGATION SYSTEM

The Agency shall ensure there are no roadway overspray or irrigation activities during daytime hours (most notably "rush hour" traffic periods). It is imperative the irrigation controller is properly set to run early enough that the watering process will be entirely completed before high traffic periods, while adhering to mandated water restrictions. To ensure water conservation, the Agency shall monitor the system for water leaks and the rain sensors to ensure they are functioning properly so that the system shuts down when there is sufficient rainfall.

INTEGRATED PLANT MANAGEMENT

An assessment of each planting area's soil is recommended to periodically determine the nutrient levels needed to sustain healthy, vigorous plant growth.

Palms, shrubs, trees, and turf areas shall be fertilized in such a manner and frequency to ensure that the plant material remains healthy and vigorously growing. Please be alert to changes in fertilization types per University of Florida, Institute of Food and Agricultural Services (I.F.A.S.) recommendations.

Establishment of an integrated pest management program is encouraged to ensure healthy plants, which are free of disease and pests.

MULCHING

Mulch planting beds to prevent weed growth, retain moisture to the plants, protect against soil erosion and nutrient loss, maintain a more uniform soil temperature, and improve the appearance of the planting beds. Do not mound mulch against the trunks of trees, palms, and the base of shrubs to allow air movement which aids in lowering disease susceptibility. Cypress mulch is prohibited on state right of way.

PRUNING

All pruning, and the associated safety criteria, shall be performed according to American National Standard Institute (ANSI) A300 standards and shall be supervised by an International Society of Arboriculture (ISA) Certified Arborist. Pruning shall be carried out with the health and natural growth of plant materials in mind, to achieve the FDOT requirements for maintaining clear visibility for motorists, and provide vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions, and all trees and palms must be maintained to prevent potential roadway and pedestrian hazards. All palms are to be kept fruit free. The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) are to be mature height in compliance with the *FDM Window Detail*. Vertical clear zones for vegetation heights over roadways and sidewalks must meet the requirements of the *FDOT Maintenance Rating Program* (MRP) standards. See Reference pages. The R.L.A. of Record will provide the specific pruning heights for mature or maintained height and spread of all plant material to achieve the design intent shall be noted in Part II., Specific Project Site Maintenance Requirements and Recommendations.

STAKING AND GUYING

All staking materials are to be removed after one year or as directed by the RLA of Record.). Any subsequent staking and guying activities by the Agency must adhere to *FDOT Standard Plans* guidelines (See Index 580-001). The Agency shall closely monitor staking and guying attachment materials so that they are securely fastened to avoid potential roadway hazards.

TURF MOWING

All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a deep, healthy root system while providing a neat and clean appearance to the urban landscape. All turf efforts, mowing, curb/sidewalk edging and turf condition, must at a minimum, meet *FDOT Maintenance Rating Program* (MRP).

LITTER CONTROL

The project site shall remain as litter free as practicable. It is recommended to recycle this litter to avoid unnecessary waste by its reuse. Litter removal efforts must meet *FDOT Maintenance Rating Program* (MRP) standards.

WEEDING/HERBICIDE

All planting areas shall be maintained as weed free as practicable by enlisting integrated pest management practices in areas specified on the plans and maintaining proper mulch levels. Extreme care is recommended when using a chemical herbicide to avoid overspray onto plant materials. It is the applicator's responsibility to restore any damage resulting from overspray to the plantings, per the approved plans.

PLANT REPLACEMENT

Plant replacement shall be the same species and specification as the approved plan. Move and replace all plant materials that may conflict with utility relocations and service. Only plants graded Florida #1 or better, per the *Florida Department of Agriculture and Consumer Services, Grades and Standards for Nursery Plants* are permitted on FDOT roadways. Should it become necessary to change the species, a permit is required from FDOT for approval by the FDOT District Landscape Architect.

HARDSCAPE (SPECIALTY SURFACING)

All tree grates and specialty surfacing (if applicable) shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the surfacing and tree grates. Final surface tolerance from grade elevations shall, at a minimum, meet the most current FDOT Maintenance Rating Program Handbook for a sidewalk; ADA accessible sidewalk; and FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on The State Highway System. If the specialty surfacing or tree grates become damaged, they shall be replaced with the same type and specification as the approved plan.

HARDSCAPE (CONCRETE PAVERS)

All concrete pavers (if applicable) shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the pavers. Final surface tolerance from grade elevations shall, at a minimum, meet the most current *Interlocking Concrete Pavement Institute (ICPI)*, *Guide Specifications for Pavers on an Aggregate Base, Section 23 14 13 Interlocking Concrete Pavers*, Part 3.05. If the concrete pavers become damaged, they shall be replaced with the same type and specification as the approved plan.

It shall be the responsibility of the AGENCY to maintain all signs located within a non-standard surfacing area. Such maintenance to be provided by the AGENCY shall include repair and replacement of the sign panel, post, and base.

HARDSCAPE (NON-STANDARD) TRAVELWAY SURFACING

It shall be the responsibility of the AGENCY to restore an unacceptable ride condition of the roadway, including asphalt pavement (if applicable), caused, or contributed by the installation or failure of non-standard surfacing, and/or the header curb, on the Department of Transportation right of way within the limits of this Agreement. Pavement restoration areas or "patches" will have a minimum length of 10-ft, measured from the edge of the header curb, and a width to cover full lanes for each lane affected by the restoration.

Pavement restoration will be performed in accordance with the most current edition of the FDOT Standard Specifications for Road and Bridge Construction, and the FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System.

HARDSCAPE (LANDSCAPE ACCENT LIGHTING) (IF APPLICABLE)

Landscape accent lighting shall be maintained in such a manner as to prolong the life of the lighting fixture and prevent potential safety hazards. If the lighting fixtures and their system become damaged, they shall be replaced with the same type and specification as the approved plan. Landscape lighting shall meet requirements for the sea turtle nesting and hatching.

SITE FURNISHINGS

Site furnishing such as Trash Receptacles, Benches, Bollards and Bicycle Racks shall be maintained in such a manner as to prolong the life of the fixture and prevent potential safety hazards. If the fixtures and their overall function and mounting systems become damaged, they shall be replaced with the same type and specification as the approved plan.

TREE CELL STRUCTURES

Underground tree cells shall be maintained in such a manner as to prolong the life of the structure and prevent potential safety hazards. If the structures fail or become damaged, they shall be replaced with the same type and specification as the approved plan.

MAINTENANCE OF TRAFFIC CONTROL

Reference the FDOT website regarding the selection of the proper traffic control requirements to be provided during routine maintenance and / or new installations of this DOT roadway.

VEGETATION MANAGEMENT AT OUTDOOR ADVERTISING (ODA) (IF APPLICABLE)

To avoid conflicts with permitted outdoor advertising, please reference the State of Florida website regarding the vegetation management of outdoor advertising. This website provides a portal to search the FDOT Outdoor Advertising Inventory Management System Database. The database contains an inventory of outdoor advertising structures, permits and other related information maintained by the Department.

Also, reference the *Florida Highway Beautification Program* website link for *Vegetation Management at ODA signs* Florida Statutes and Florida Administrative Code related to vegetation management at outdoor advertising sign, permit applications for vegetation management and determining mitigation value of roadside vegetation.

PART II. SPECIFIC PROJECT SITE MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS

- 1. The median includes sod, shrub/ground cover plantings, as well as canopy and flowering trees, and large palms to promote the Village's vision of landscape beautification.
- 2. Irrigation systems will cover all plantings within the medians.
- 3. All trees are intended to be maintained at mature height and spread and do not need pruning to control their overall height. The only pruning required will be as described above for safety, sight line visibility, to remove dead or damaged branches, to remove sucker growth or to improve structure.
- 4. To maintain the intended appearance of all palms, apply the latest fertilizer recommended by the University of Florida IFAS Extension per the manufacturer's specifications ('palm special' fertilizer blend with an 8-2-12 +4 Mg). This may be used for shrubs or turf grasses, however, do not use general purpose fertilizers within 40' of any palm species.
- 5. To maintain the intended appearance of all shrubs or turf grass, apply the latest fertilizer recommended by the University of Florida IFAS Extension per the manufacturer's specifications and in accordance with Martin County fertilizer restrictions.
- 6. Do not remove fronds from self-cleaning palms, unless damaged. Palms with persistent fronds shall only have dead fronds removed, do not remove any green fronds. If it is deemed necessary to prune a palm's fronds, no fronds shall be trimmed above 3 o'clock and 9 o'clock on the horizontal plane.
- 7. Groundcover and shrub horizontal growth shall be maintained to prevent foliage from growing beyond the limits of the planting areas shown on the plan. Maintain a 12" setback from the foliage to the edge of curb, pavement, sidewalk and/or other hardscape improvements as shown in the plans.
- 8. Control the overall height of all shrubs in accordance with the list provided below. Native grasses and certain shrubs should never be pruned to control their overall height and instead will be allowed to grow to their Natural Form. The grasses can be cut back to within 6" from grade as needed to limit biomass and regenerate them. This is typically required every one to two years at most.
 - Chrysobalanus icaco 'Horizontalis'/Dwarf Cocoplum at 2', (full to ground and not stretched)
 - Hamelia patens/ Firebush at 3', (full to ground)
 - Ilex vomitoria 'Stokes Dwarf'/Dwarf Yaupon Holly between 2', (full to ground)
 - Juniperus conferta/Shore Juniper between at 12", (full to ground)
 - Muhlenbergia capillaris/Muhly Grass at NF, (about 3' full to ground)
 - Tripsacum dactyloides/Fakahatchee Grass at NF, (about 4.5' full to ground)
- 9. Inspect groundcovers and shrubs on a monthly basis for maintaining full ground coverage.
- 10. Evaluate plant material on a monthly basis for pests, diseases, drought stress or general decline. If required, follow the integrated pest management program established by the Agency to ensure healthy plants.
- 11. Inspect the irrigation system performance on a quarterly basis to ensure the system is providing 100% coverage, does not have sections of low pressure, heads and valves are clean and clear of debris and any damaged irrigation components (i.e., spray nozzles, spray heads, valve boxes, etc.) are repaired or replaced.

REFERENCES (4-27-20)

This reference list is provided as a courtesy. The list may not contain the most current websites.

The most current references must be accessed for up-to-date information.

Accessible Sidewalk (ADA) http://www.access-board.gov/guidelines-and-standards/streets-sidewalks

Americans with Disabilities Act (ADA) (ADAAG) http://www.ada.gov/2010ADAstandards_index.htm

American National Standard Institute, ANSI A300, (Part 1) for Tree Care Operations – Trees, Shrub, and Other Woody Plant Maintenance – Standard Practices (Pruning), available for purchase http://webstore.ansi.org

Florida Department of Agriculture and Consumer Services, Division of Plant Industry, *Florida Grades and Standards for Nursery Plants 2015* <u>http://www.freshfromflorida.com/Divisions-Offices/Plant-Industry/Bureaus-and-Services/Bureau-of-Plant-and-Apiary-Inspection</u>

Florida Department of Community Affairs (DCA), Florida Board of Building Codes & Standards, 2017 Florida Building Code, Chapter 11 Florida Accessibility Code for Building Construction Part A http://www.floridabuilding.org/fbc/workgroups/Accessibility Code Workgroup/Documentation/CHAPTER 11 w fla specifics.htm

Florida Department of Transportation, *Program Management, Maintenance Specifications Workbook Supplemental Specifications, Section 580 Landscape Installation*http://www.fdot.gov/programmanagement/Maintenance/2019Jan/default.shtm

Florida Department of Transportation, FDOT Standard Plans for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 580-001 Landscape Installation http://www.fdot.gov/design/standardplans/current/IDx/580-001.pdf

Florida Department of Transportation, FDOT Design Manual for Design, Construction, Maintenance and Utility Operations on the State Highway System, Chapter 212.11 Clear Sight Triangles http://www.fdot.gov/roadway/FDM/current/2018FDM212Intersections.pdf

Florida Department of Transportation, FDOT Design Manual for Design, Construction, Maintenance and Utility Operations on the State Highway System, Chapter 215.2.3 Clear Zone Criteria and 215.2.4 Lateral Offset, Table 215.2.1 Clear Zone Width Requirements, Table 215.2.2 Lateral Offset Criteria (for Trees) http://www.fdot.gov/roadway/FDM/current/2018FDM215RoadsideSafety.pdf

Florida Department of Transportation, FDOT Standard Plans for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index Series 102-600 Traffic Control through Work Zones http://www.fdot.gov/design/standardplans/current/IDx/102-600.pdf

Department of Transportation, Landscape Architecture Website www.MyFloridaBeautiful.com

Florida Department of Transportation, *Maintenance Rating Program Handbook* http://www.dot.state.fl.us/statemaintenanceoffice/MaintRatingProgram.shtm

Florida Department of Transportation Outdoor Advertising Database http://www2.dot.state.fl.us/rightofway/

Florida Exotic Pest Plant Council Invasive Plant Lists http://www.fleppc.org/list/list.htm

Florida Irrigation Society http://www.fisstate.org

Florida Power and Light (FPL), *Plant the Right Tree in the Right Place* http://www.fpl.com/residential/trees/right tree right place.shtml