

LANDSCAPE PLAN PROPOSAL OVERALL

		COMMON NAME	BOTANICAL NAME	10	Language 1
	M		W. 1967 A	No	SIZE / NOTES
Rp1	8	NEW. ROYAL PALM TREE	ARECACEAE	6	12-14' GREY TRUNK
Fp	*	FAN PALM TREE NEW	LIVISTONA SPECIOSA	5	12-14' GREY TRUNK
Ар	*	ARECA PALM	DYPSIS LUTESCENS	123	3 GAL 6'-0' & 8-0"
Sbs	(SHHUB) CO		CONOCARPUS ERECTUS	83	3 GAL , 18*
Sbt	SILVER BUTTONWOOD CONOCARPUS ERECTUS		56	7 GAL(24"-30"	
Ch	0	CLUSIA HEDGE	CLUSIA ROSEA	317	7 GAL (4'-0"HIGH) @24"STAGGER
Ср	0	COCOPLUM	CHRYSOBALANUS ICACO	344	3 GAL , 24"
Sod		SAINT AUGUSTINE GRASS	STENOTAPHRUM SECUNDATUM	SF/A	8400 SF.
GI	GUMBO LIMBO TREE		BURSERA SIMARUBA	21	4" DBH, 10'-0", SINGLE TRUN
Mt	MAHOGANY TREE		SWIETENIA MAHAGONY	8	4" DBH, 10'-0", SINGLE TRUN
Ts		6" TOPSOIL & 3" MULCH BED SEE PLAN		SF/A	9,706.19 SF.
Bt GREEN BUTTONWOOD TREE			CONOCARPUS ERECTUS	6	12'-14' TRUNK
A	SUB. CAN	IOPY TREES			
St	*	SIMPSON'S STOPPER TREE	MYRCIANTHES FRAGRANS	6	5 HEIGHT
Тр	8	THATCH PALM	LEUCOTHRINAX MORRISII	3	5'-10 ' HEIGHT
Вр	BUCCANEER PALM		PSEUDOPHOENIX SARGENTII	5	10'-15' HEIGHT
EXIST	ING LAND	SCAPE			
Rpe	EXISTING PALM TREE (REMAIN IN PLACE)		ROYSTONEA ARECACEAE	6	12-14' GREY
Rp0	ROYAL PALM TREE (TRANSPLANTED, SEE LS1.1		ROYSTONEA	9	12'-15' HEIGHT
3mp	BISMARCKIA PALM (TRANSPLANTED, SEE LS1.1)		BISMARCKIA NOBILIS	6	12'-14' HEIGHT, EXIST
St	STRANGLER FIG		FICUS AUREA	3	12'-14' HEIGHT, EXIST,
BtE	GREEN BUTTONWOOD TREE		CONOCARPUS ERECTUS	1	12'-14' TRUNK
w	0	WOMAN'S TONGUE TREE	ALBIZIA LEBBECK	1	EXIST.
Fpe		FAN PALM TREE EXISTING	LIVISTONA SPECIOSA	В	EXIST,

SALMAN & ASSOCIATES

ARCHITECTS PLANNERS INTERIORS DESIGNERS

1235 Corel Way Miaml, FL 33145 305-542-0142

AA2603307

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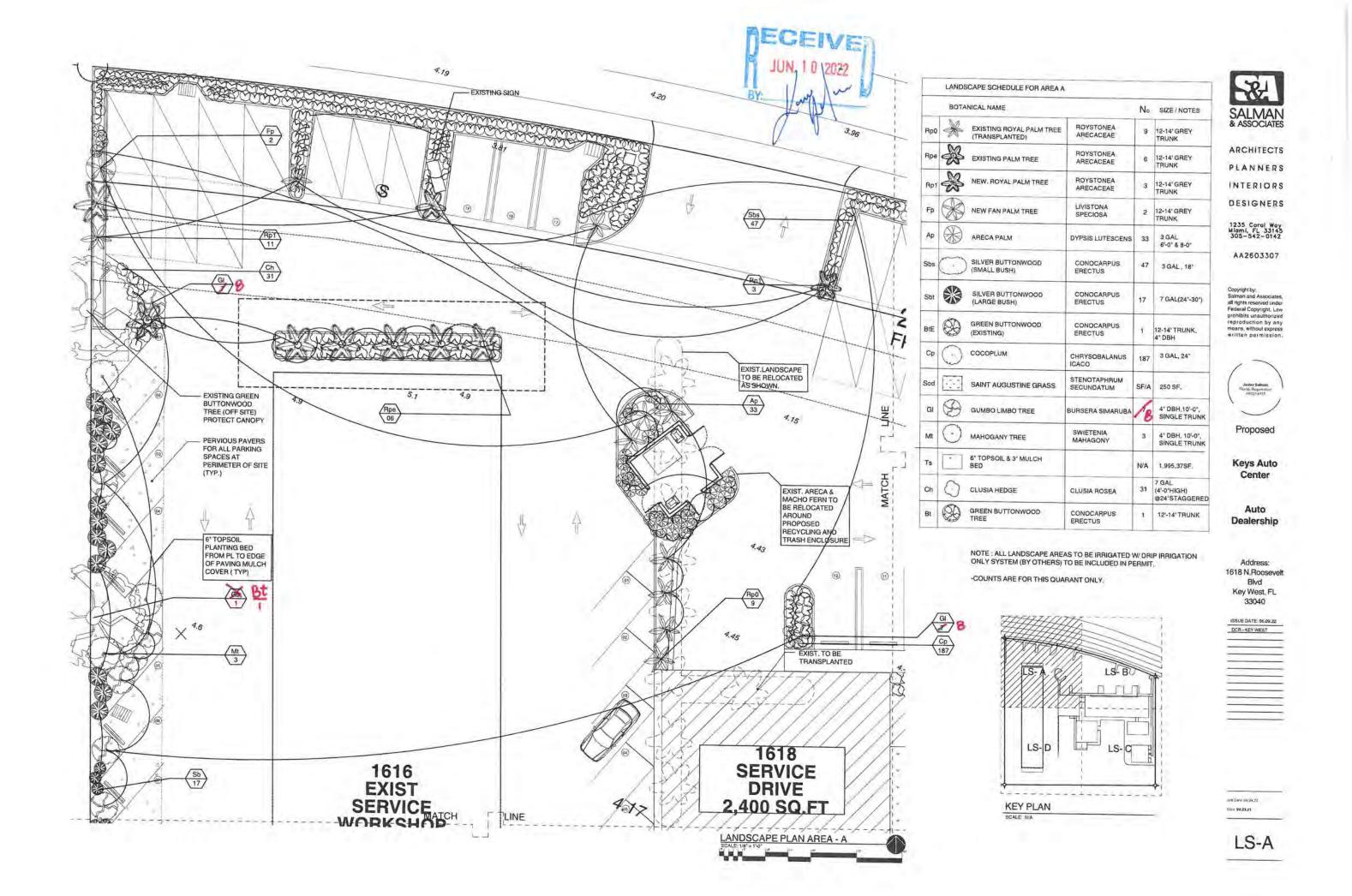
Auto Dealership

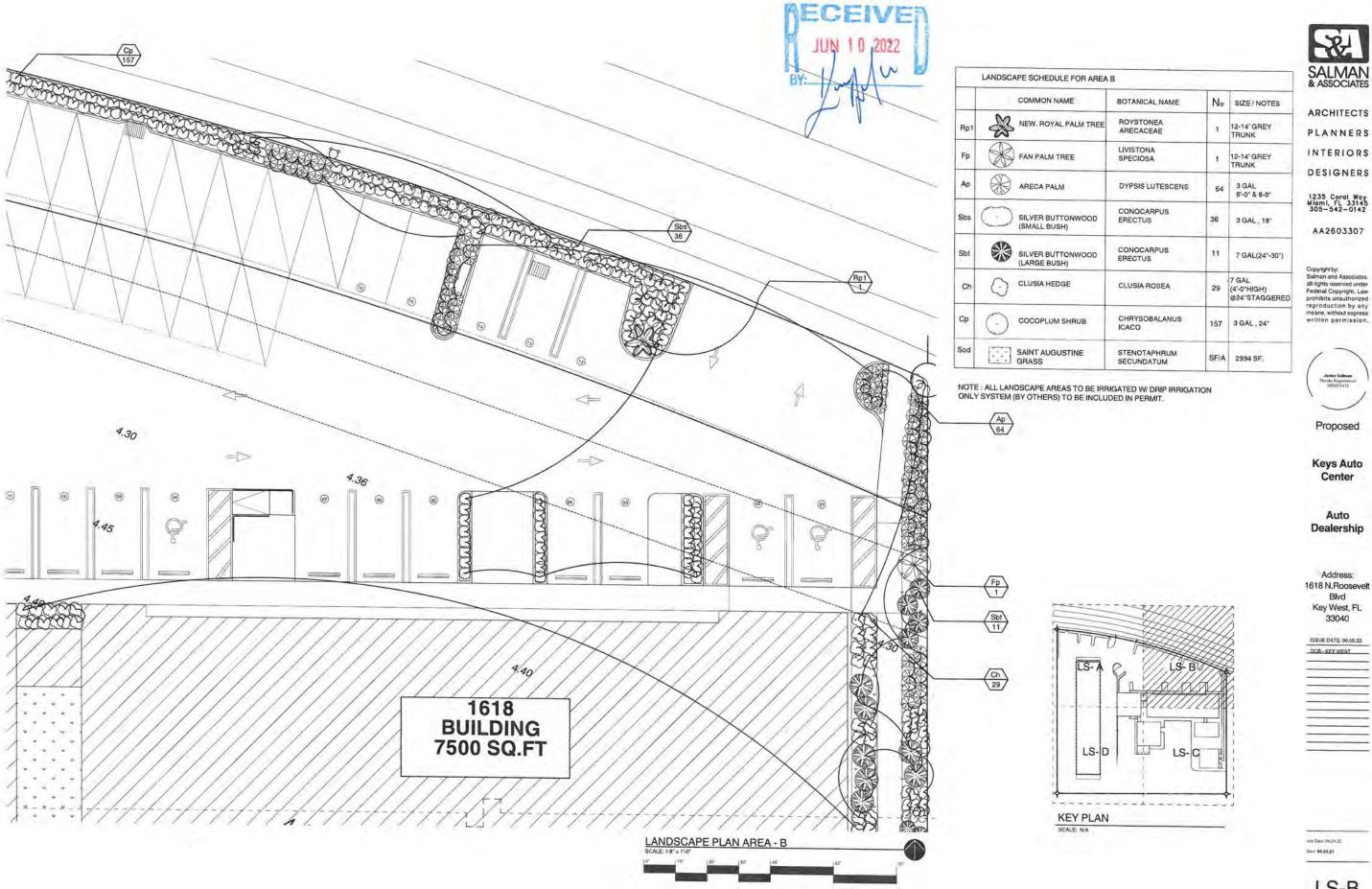
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ISSUE DATE: 06.08.22

CR - KEY WEST		
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NOTE: ALL LANDSCAPE AREAS TO BE IRRIGATED W/ DRIP IRRIGATION ONLY SYSTEM (BY OTHERS) TO BE INCLUDED IN PERMIT.





ARCHITECTS PLANNERS



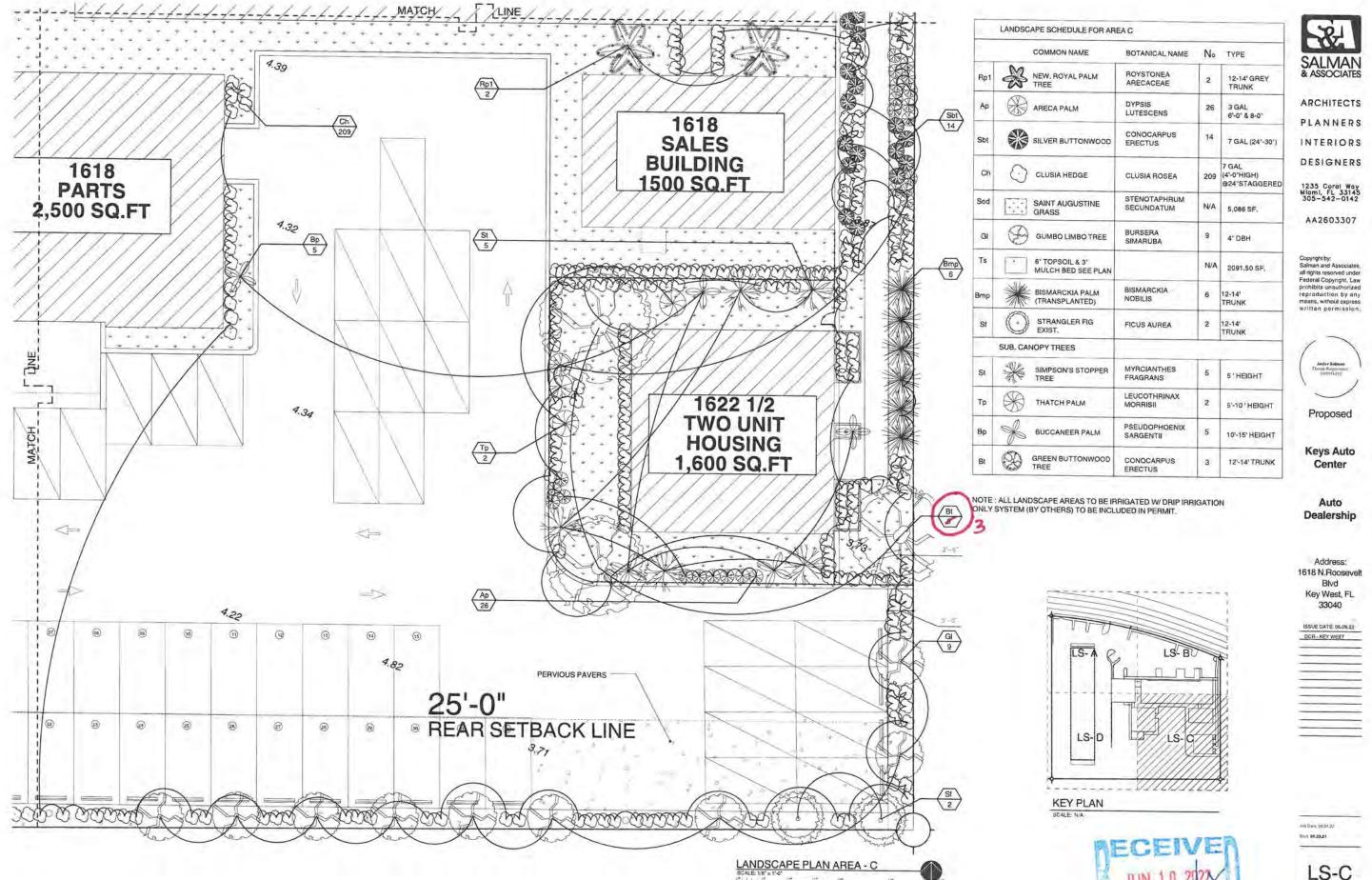
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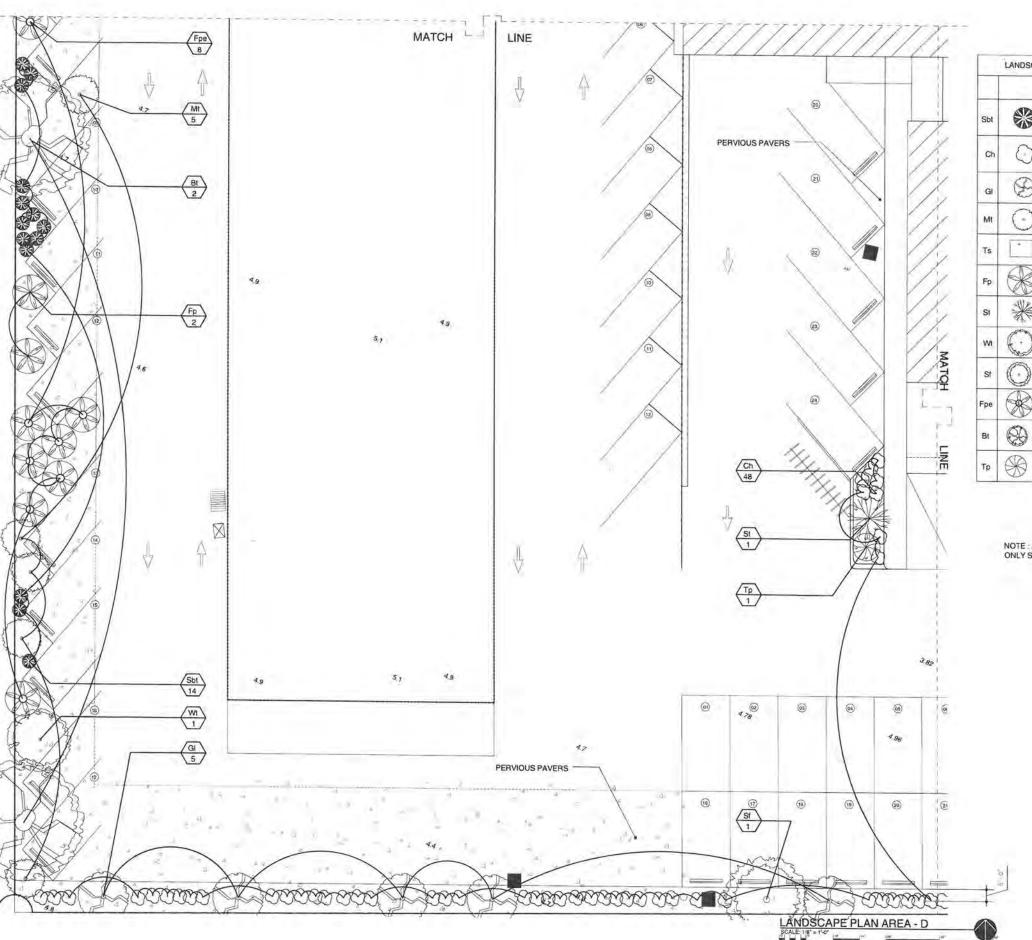
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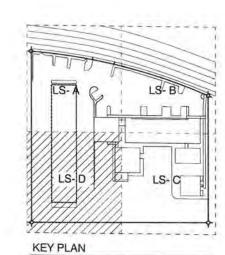
LS-B





	LANDSCAPE SCHEDULE FOR AREA	D		
	COMMON NAME	BOTANICAL NAME	No	TYPE
Sbt	SILVER BUTTONWOOD (LARGE BUSH)	CONOCARPUS ERECTUS	14	7 GAL (24"-30")
Ch	CLUSIA HEDGE	CLUSIA ROSEA	48	7 GAL (4'-0"HIGH) @24"STAGGERED
GI	GUMBO LIMBO TREE	BURSERA SIMARUBA	5	4" DBH
Mt	MAHOGANY TREE	SWIETENIA MAHAGONY	5	4" DBH
Ts	6" TOPSOIL & 3" MULCH BED SEE PLAN		N/A	5,619.32 SF.
Fp	FAN PALM NEW	LIVISTONA SPECIOSA	2	8'-12 ' HEIGHT
St	SIMPSON'S STOPPER TREE	MYRCIANTHES FRAGRANS	1	5 'HEIGHT, 3' DBT
Wt	WOMAN'S TONGUE TREE, EXIST.	ALBIZIA LEBBECK	1	12 'HEIGHT
St	STRANGLER FIG , EXIST.	FICUS AUREA	Ť	8'-12 HEIGHT
Fpe	FAN PALM TREE EXISTING	LIVISTONA SPECIOSA	В	EXIST.
Bt	GREEN BUTTONWOOD TREE	CONOCARPUS ERECTUS	2	12'-14' TRUNK
Тр	THATCH PALM	LEUCOTHRINAX MORRISII	1	5'-10' HEIGHT

NOTE : ALL LANDSCAPE AREAS TO BE IRRIGATED W/ DRIP IRRIGATION ONLY SYSTEM (BY OTHERS) TO BE INCLUDED IN PERMIT.







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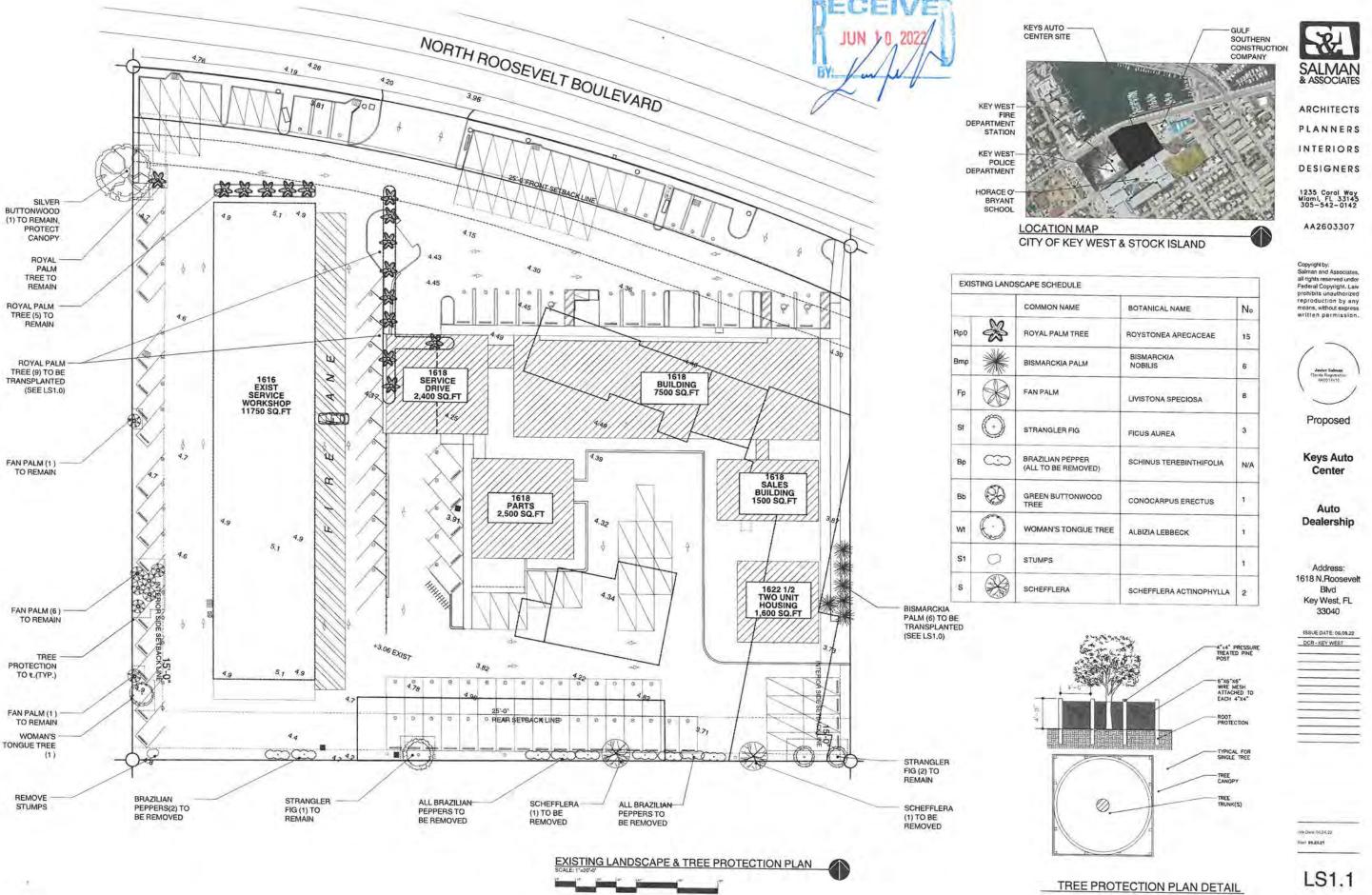
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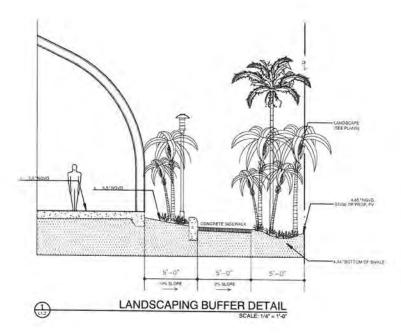
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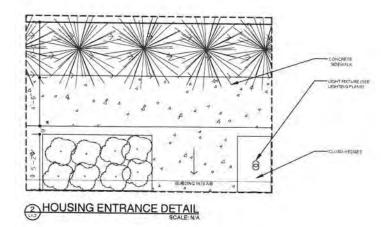
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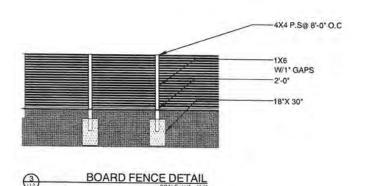
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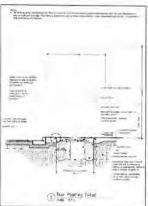


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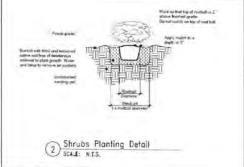


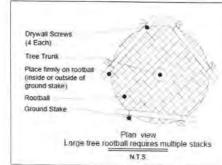


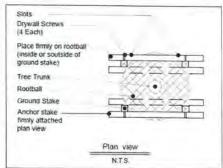












- TES:
 All mechanical equipment including, but not limited to Bock Flow Preventor, Pumps, Electric, Phone or Cable Boxes, Lift Stations, Etc. shall be screened on 3 sides from view using an approved hedge, fence or wall.
 All light poles if any shown on plan shall be a minimum of 15' from tree locations.
 The Landscape Architect must be notified when the plant material has been set in place to approve final
- locations, prior to installation

- Landscape Contractor is responsible for verifying locations of all underground and overhead utilities and easements prior to commencing work. All Utility companies and/or the General Contractor shall be notified to verify utility locations prior to digging. Utility tenching is to be coordinated with the Landscape plans prior to beginning of project. The Owner or Landscape Architect shall not be responsible for damage to utility or impation times.

 Landscape Contractor shall examine the site and become familiar with conditions affecting the installation made in submitted to the so-shall not be responsible for change orders.

- Landscape Contractor shall examine the site and become familiar with conditions affecting the installation prior to submitting buts. Failure to do so shall not be considered cause for change orders. Landscape Contractor is responsible for ventying all plant quantities prior to bidding and within (7) seven calender days of receipt of these plane shall notify the Landscape Architect in writing of any and all discrepancies. In case of discrepancies planting plans shall take precedence over plant list. No substitutions are to be made without prior consent of the Landscape Architect. Plant meterial supply is the responsibility of the Landscape Contractor, and herisbe shall take steps to insure availability at time of planting All plant material shall meet or exceed the size on the plant list. In all cases meeting the height and the spread specifications shall take precedence over container size. All planted areas to be outlitted with automatic irrigation system providing 100% coverage and 50% overlap. A rain sensor must be part of the irrigation system. Landscape Contractor shall be responsible for providing temporary hand watering to all proposed & landscape areas, during construction.

- Latitosope contractor asses se tesporante de provincia persponsa prima internal de la propose a sensorare áreas, dung construction.

 The Landscape Contractor is responsible for coordinating tree and palm removals and transplants, shown on the TreePath Disposition Plan. The Landscape Contractor is to remove and discard from site existing unwanted trees, palms, shrubs, groundcovers, sod and weeds within landscape areas.

 All permitting and faes to be the responsibility of the Contractor.

PLANTING NOTES

- Landscape Contractor shall furnish and install all trees, palms, shrubs, groundcover, sod, planting soil, herbicide, preemergence herbicide, seed, and mulch. Landscape Contractor to provide Landscape Architect with at lass 5 days notice prior to tree visitaliation. Landscape Contractor shall glusrantee all plant material for a period of one year from the day of final acceptance by the Landscape Architect.
- All plant material shall be Florida #1 or better, as defined in the Grades and Standards for Nursery Plants,
- All plant material shall be Florida at or better, as defined in the Grades and Standards for Nursery Plants, Part I and II by the State of Florida Department of Agriculture Landscape Contractor is responsible for scheduling a nursery visit for Landscape Architect to approve all trees, palms and shrubs prior to delivery to the project site. Landscape Contractor shall coordinate by work with that of the Intigation and Landscape Lighting Contractor The Landscape Contractor shall treat planted areas with preemergence herbicide after weeds and grass have been removed. Landscape Contractor shall apply pre emergent herbicide per manufacturer's recommendation, wait period prior to planting as specified. Planting soft marchackfill shall be clean and free of construction debris, weeds, rock and noxous pests and disease. All sold mix in plant beds for ground covers, shrubs, palms and trees shall be as per details. All other areas shall be dressed with a minimum of 41 lopsoil for required. All planting areas and planting pits shall be tested for sufficient percotation prior to final planting and imigation installation to ensure proper drainage. Plant beds in parking lots and in areas compacted by beavy equipment.
- installation to ansure proper drainage. Plant beds in parking lots and in areas compacted by heavy equipment
- instillation to ensure proper dramage. Plant beas in parking lots and in areas compacted by heavy equipment shall be de-compacted so that drainage is not impedied. All synthetic burlap, string, cords or wire baskets shall be removed before trees are planted, without breaking the soil ball. All synthetic baye shall be removed from branches and trunks prior to final acceptance. The top 13 of instants burlap shall be removed, after the tree is set in the planting note and before the tree is backfilled. Landscape Contractor is to check for roof defects including deep planting in the root ball and circling roots. rees with root problems will not be accepted.
- trees with root proteens will not be accepted.

 1. Landscape Contractor is responsible for mulching all plant beds and planters with a minimum 3" layer of natural color Eucopyths or Environmenth immediately after planting. In no case shall Cypress mulch be used.

 1. All Trees/Palms in soid areas are to receive a 48" diameter mulched saucer at the base of the trunk.
- respectively.

 12 Landscape Contractor shall guy and stake all trees and palms as per specifications and details. No nails screws or witing shall penetrate the outer surface of trees and palms. All guying and stoking shall be removed
- screws or wind satur penetrate the outer surface of trees and pairns, all guying and stoking shall be removed twelve months after planting.

 13. All palm and tree guy wires and broding are to be flagged for visibility, for their duration. All unattended and unipartial tree pits shall be properly barnoaded and flagged during construction.

 14. All broken branches and clear trunk branches on steet trees are to be prained according to ANSI A 300 Guidelines for Tree Pruning to min. 5'-0" height clearance to the base of canopy.

- Guidelines for Tree Pruming to min. 5"- 0" height clearance to the base of canopy.

 15 Landscape Contractor shall fertifize plant material as needed to support optimum healthy plant growth. All fertifization shall be performed in compliance with the talest ANSI AJO0 (Part 2) Standards.

 16 Stake all trees and palms for approval by Landscape Architect prior to installation.

 17 Any sod areas damaged by construction are to be replaced with St. Augustine Floratam' sod.

 18 All areas within lambs of work not covered by walks, buildings, playground, and/or any other hardscape tenture shall be sodded with St. Augustine Floratam' sod.

 19 St. Augustine Floratam' Contractor's recommendation on all large trees that are 6' or closer to any poverent or building, as shown or details page.
- pavement or building, as shown on details page. Root barrier shall be Vespro Inc. or approved equal.

ONE YEAR - TREE MAINTENANCE PLAN All Plants shall be maintained in a healthy condition and in accordance with the following:

Keep roots moist, do not allow the roots to dry out

- Peop voco-most, do not allow the rocks to any out.
 Remove tuff from planting, area.
 Oil planting hole wide and shallow. The hole should be 2-3 times wider in all directions than the root spread.
 Penne only dead of broken branches.
 Remove all finne or rope from thurk and branches.
- Remove planting container and burlap (any material that would constrict growth of roots, wire, plastic, wooden basket Make sure that root thare is at soil level. (Rule of thumb first root closest to soil should be an inch below soil surface)
- Do not use amendments in the planting hole
 Water tree at planting for remove air pockets. After backfilling gently firm soil, do not pack soil Heavy packing will remove pack in soil.

 Do not rilound soil against bunk of tree.
- Much over entire cooling area with 2-4" of mulch (wood chips, shredded bank, etc.) Keep mulch 2-4" from trunk of tree ince this could create a favorable.
- this crudial dreate a caronizate environment for fung. -Ferfilizer is not recommended for newly planted irrees. (Consider time-released ferfilizer, if there is a need to ferfilize).

- -aming.
 Plants shall be watered in accordance with specification as provided on the irrigation plans.

 All tawn areas shall be moived weekly during growing season and bi-weekly in non-growing season.

 -Perfutives shall be applied in the fail or early spring. Although it is not harmful to apply fertilizer at any time during the year.
- Inispect trees for disease or unsect problems
 Monitor health and sign or tirees
 Pruning of a structs shall be done regularly to control shape and form All pruning shall be done in accordance with the can National Standards. Institute

After One Year

- Continue to monitor trees health and vigor, inspect for disease and insect problems, inspect evergreen trees for winter njury and fruit trees for rodent damage

 Remove tree wrap from this bank trees in spring

 Remove stakes from trees planted previous year
- All plants shall be malified on a yearly basis or as needed to maintain healthy grown and reduce weed growth.

 Begin corrective pruning trees one year after trees are planted (general rule of twinth is to remove no more than 1 of the foliage at one time). All pruning shall
- ordance with the American National Standards Institute (ANSI) A-300 standard
- replace dead trees as needed, if trees have died in first year notify nursery that planted trees. They should guarantee



ARCHITECTS PLANNERS

INTERIORS DESIGNERS

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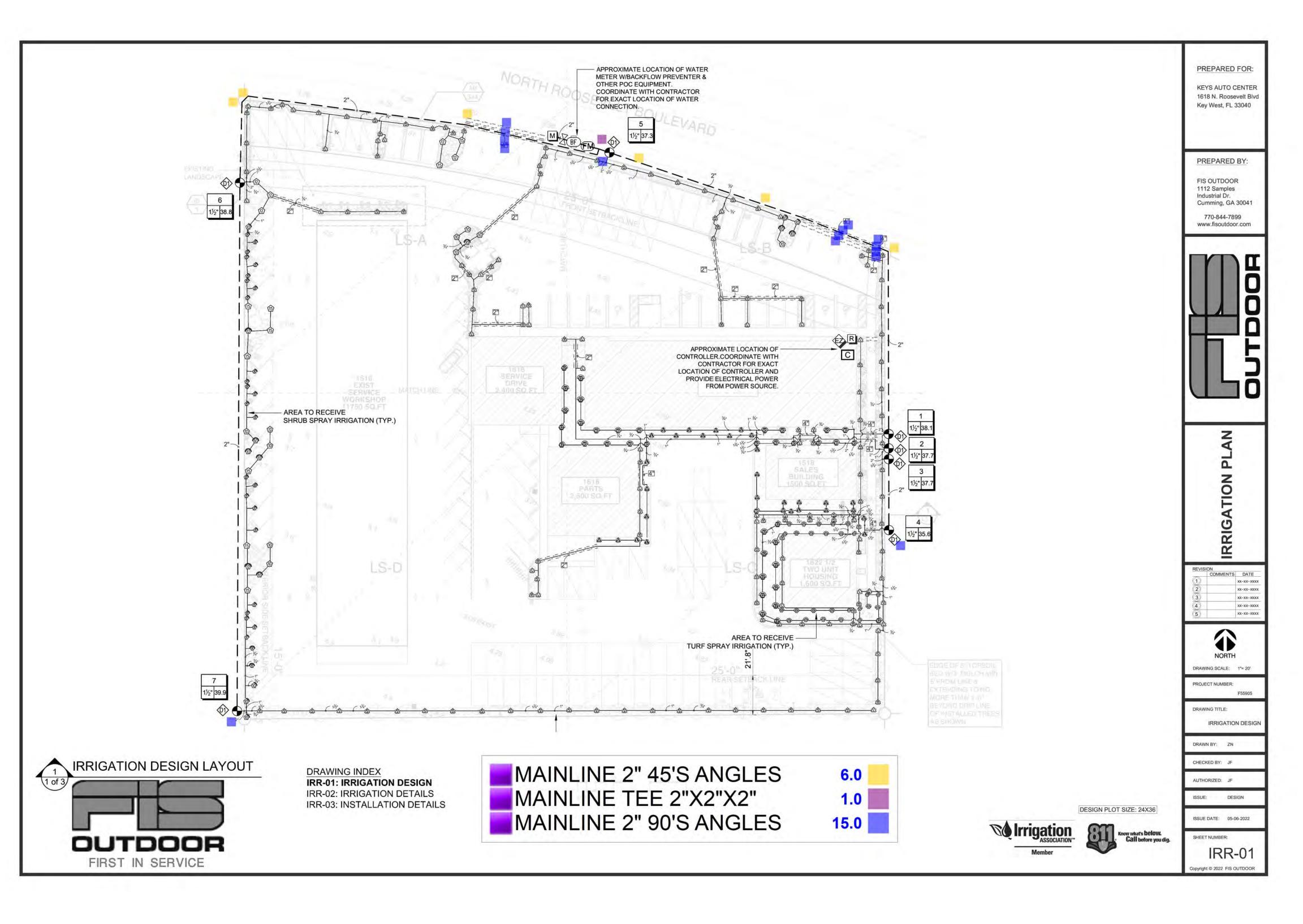
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ISSUE DATE: 06.08.22 DCR - KEY WEST





CRITICAL ANALYSIS

Generated:

P.O.C. NUMBER: 01

Water Source Information: Potable

FLOW AVAILABLE

Water Meter Size: 2"

Flow Available 84.89 GPM

PRESSURE AVAILABLE

Static Pressure at POC: 70.00 PSI
Elevation Change: 5.00 ft
Service Line Size: 2"
Length of Service Line: 20 ft

DESIGN ANALYSIS

Pressure Available:

Maximum Station Flow: 39.86 GPM Flow Available at POC: 84.89 GPM

67.00 psi

9.05 PSI

Residual Flow Available: 45.03 GPM

38.89 PSI Pressure Req. at Critical Station: Loss for Fittings: 0.54 PSI Loss for Main Line: 5.37 PSI 0 PSI Loss for POC to Valve Elevation: Loss for Backflow: 11.86 PSI Loss for Water Meter: 1.29 PSI Critical Station Pressure at POC: 57.95 PSI 67 PSI Pressure Available:

IRRIGATION DETAILS LAYOUT

OUTDOOR

FIRST IN SERVICE

Residual Pressure Available:

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	WIRE	PSI	PSI @ POC	PRECIP
1	Hunter PGV-151G	1-1/2"	Turf Spray	38.07	124.8	37.92	53.78	1.6 in/h
2	Hunter PGV-151G	1-1/2"	Shrub Spray	37.70	132.7	36.7	52.56	1.57 in/h
3	Hunter PGV-151G	1-1/2"	Shrub Spray	37.70	138.7	36.07	51.98	1.52 in/h
4	Hunter PGV-151G	1-1/2"	Turf Spray	35.56	177.9	37.12	52.89	1.49 in/h
5	Hunter PGV-151G	1-1/2"	Shrub Spray	37.33	288.2	37.16	50.43	1.49 in/h
6	Hunter PGV-151G	1-1/2"	Shrub Spray	38.78	542.7	36.9	52.7	1.27 in/h
7	Hunter PGV-151G	1-1/2"	Shrub Spray	39.86	834.7	38.88	57.95	1.3 in/h
	Common Wire				890.6			

WATERING SCHEDULE

NUMBER	MODEL	TYPE	PRECIP	IN./WEEK	MIN./WEEK	GAL./WEEK	GAL./DAY
1	Hunter PGV-151G	Turf Spray	1.6 in/h	1.01	38	1,447	482.2
2	Hunter PGV-151G	Shrub Spray	1.57 in/h	1.01	39	1,470	490.1
3	Hunter PGV-151G	Shrub Spray	1.52 in/h	1.01	40	1,508	502.7
4	Hunter PGV-151G	Turf Spray	1.49 in/h	1.01	41	1,458	486.0
5	Hunter PGV-151G	Shrub Spray	1.49 in/h	1.01	41	1,531	510.2
6	Hunter PGV-151G	Shrub Spray	1.27 in/h	1.01	48	1,861	620.4
7	Hunter PGV-151G	Shrub Spray	1.3 in/h	1.01	47	1,873	624.4
		TOTALS:			294	11,148	3,716

IRRIGATION SCHEDULE

Hunter PROS-06-NSI 5' strip spray Hunter PROS-06-NSI 8' radius Hunter PROS-06-NSI 10' radius Hunter PROS-06-NSI 12' radius Hunter PROS-12 5' strip spray on riser Hunter PROS-12 5' strip spray on riser Hunter PROS-12 10' radius Hunter PROS-12 10' radius Hunter PROS-12 10' radius Hunter PROS-12 10' radius Hunter PROS-12 11' radius Hunter PROS-12 11' radius MANUFACTURER/MODEL Hunter PROS-15 11' - 1/2" Gate Valve 2" Apollo RPZ Backflow 2" Hunter EZ-1 Decoder Hunter EZ-1 Decoder Hunter EZDM Hunter PROS-12 Miner PRO	QTY 30 26 18 20 161 27 13 2 24 QTY 7 1
Hunter PROS-06-NSI 8' radius Hunter PROS-06-NSI 10' radius Hunter PROS-06-NSI 12' radius Hunter PROS-12 5' strip spray on riser Hunter PROS-12 8' radius on riser Hunter PROS-12 10' radius Hunter PROS-12 12' radius MANUFACTURER/MODEL Hunter PGV-151G 1-1/2" Apollo RPZ Backflow 2" Hunter EZ-1 Decoder Hunter EZDM Hunter EZDM Hunter WR-CLIK Hunter WR-CLIK Hunter HC-200-FLOW Mater Meter 2" Irrigation Lateral Line: PVC Class 200 SDR 21 1'/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4"	26 18 20 161 27 13 2 24 QTY 7 1 1
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Hunter EZ-1 Decoder Hunter EZDM Hunter WR-CLIK Hunter HC-200-FLOW Water Meter 2" Irrigation Lateral Line: PVC Class 200 SDR 21 3/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4"	
Hunter EZDM Hunter WR-CLIK Hunter HC-200-FLOW Water Meter 2" Irrigation Lateral Line: PVC Class 200 SDR 21 3/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4"	7
Hunter WR-CLIK Hunter HC-200-FLOW Water Meter 2" Irrigation Lateral Line: PVC Class 200 SDR 21 3/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4"	
Hunter HC-200-FLOW Water Meter 2" Irrigation Lateral Line: PVC Class 200 SDR 21 3/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/2"	1
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Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/4" Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/2"	2,680 l.f.
Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/2"	720 I.f.
	360 I.f.
Irrigation Lateral Lines DVC Class 200 SDD 24.2"	180 l.f.
Irrigation Lateral Line: PVC Class 200 SDR 21 2"	80 I.f.
— — Irrigation Mainline: PVC Class 200 SDR 21 2"	900 I.f.
Pipe Sleeve: Conduit 1 1/4" (Wire)	110 l.f.
Pipe Sleeve: PVC Schedule 40 2"	
Pipe Sleeve: PVC Schedule 40 4"	250 I.f.
Valve Callout	250 l.f. 150 l.f.
# • Valve Number	
# <mark>"</mark> # Valve Flow	

SLEEVING SIZE SCHEDULE

SLEEVE SIZE
2" SLV
2" SLV
2" SLV
4" SLV
4" SLV
4" SLV
6" SLV

VALVE SIZING REQUIREMENTS

MAX.FLOW RANGE	VALVE SIZE
1 TO 25 GPM	1"
26 TO 50 GPM	1-1/2"
51 TO 75 GPM	2"

PVC CLASS 200

10 GPM 3/4"

26 GPM | 1 1/4"

35 GPM | 1 1/2"

80 GPM | 2 1/2"

16 GPM | 1"

55 GPM 2"

|120 GPM | 3"

PVC SCH 40

8 GPM

22 GPM

50 GPM

70 GPM



GENERAL IRRIGATION NOTES

- 1. IRRIGATION SYSTEM DESIGN IS BASED ON 40 GPM AND 70 PSI.

 EACH IRRIGATION ZONE SHALL BE PROGRAMMED ON THE BASIS OF
 WATER REQUIREMENT 0.75 (LOW VOLUME IRRIGATION) 1.01 (HIGH
 VOLUME IRRIGATION) INCH WATER PER WEEK TO THE LANDSCAPE
 IRRIGATION SYSTEM.
- 2. IRRIGATION DESIGN IS FROM THE POINT OF CONNECTION (POC) ONLY. THE DESIGN IS BASED ON GALLONS PER MINUTE (GPM) AND POUNDS PER SQUARE INCH (PSI) FURNISHED BY OTHERS.
- 3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF ALL SITE UTILITIES AND MAKING THE NECESSARY ADJUSTMENTS TO THE IRRIGATION SYSTEM TO ACCOMMODATE THE INFRASTRUCTURE.
- LATERAL PIPE SIZING REQUIREMENTS 4. THE PRESSURE REQUIREMENT AT THE POINT OF CONNECTION IS BASED ON NO MORE THAN 5 FEET OF ELEVATION CHANGE IN THE AREAS OF
 - IRRIGATION.

 5. PIPE LOCATIONS ARE DIAGRAMATIC. MAINLINE, LATERAL & VALVES
 - SHOWN IN OUTSIDE OF CURBS FOR GRAPHIC CLARITY ONLY.

 6. CONTRACTOR TO VERIFY WATER PRESSURE AND AVAILABILITY PRIOR TO INSTALLATION.
 - 7. ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 2-WIRE, UL APPROVED DIRECT BURY.
 - 8. LOCATION OF IRRIGATION COMPONENTS SHOWN ON DRAWING IS APPROXIMATE. ACTUAL PLACEMENT MAY VARY SLIGHTLY AS REQUIRED TO ACHIEVE FULL, EVEN COVERAGE.
 - 9. CONTRACTOR SHALL INSTALL ADDITIONAL CHECK VALVES TO HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.

- 10. ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW AND THE CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE
- 11. ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCE AND ANY HARD STRUCTURE.

OWNER'S AUTHORIZED REPRESENTATIVE.

- 12. FINAL LOCATION OF THE AUTOMATIC CONTROLLER (S) SHALL BE APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION (INDOOR VS OUTDOOR).
- 13. SLEEVE SHALL BE PLACED UNDER PAVEMENT AS SHOWN ON PLANS AND SHALL BE A MINIMUM OF 2X THE SIZE OF THE IRRIGATION PIPE. SEE SLEEVE SIZE CHART.
- 14. ALL MAINLINE PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 18" OF COVER AND ALL LATERAL PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 12" OF COVER.
- 15. ALL REMOTE CONTROL VALVES, GATE VALVES AND QUICK COUPLER VALVE SHALL BE INSTALLED IN VALVE BOXES.
- 16. ANY PIPING OR VALVES SHOWN OUTSIDE OF THE PROPERTY LINE OR OUTSIDE OF LANDSCAPE AREA IS SHOWN THERE FOR DESIGN CLARITY ONLY. ALL PIPING AND VALVES SHALL BE INSTALLED ON THE PROPERTY AND WITHIN LANDSCAPE AREAS.

PREPARED FOR:

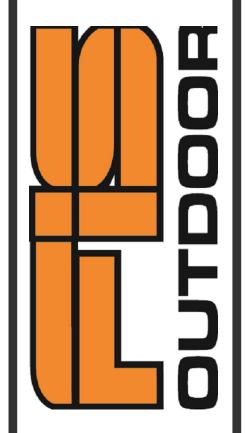
KEYS AUTO CENTER 1618 N. Roosevelt Blvd Key West, FL 33040

PREPARED BY:

FIS OUTDOOR 1112 Samples Industrial Dr.

Cumming, GA 30041

770-844-7899 www.fisoutdoor.com



IRRIGATION DETAILS

DRAWING SCALE: NTS

PROJECT NUMBER:

DRAWING TITLE:

IRRIGATION DETAILS

DRAWN BY: ZN

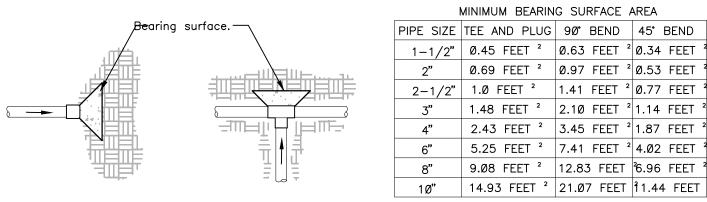
CHECKED BY: JF

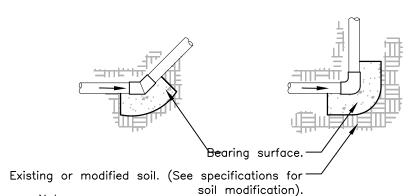
AUTHORIZED: JF

ISSUE DATE: 05-06-2022

SHEET NUMBER:

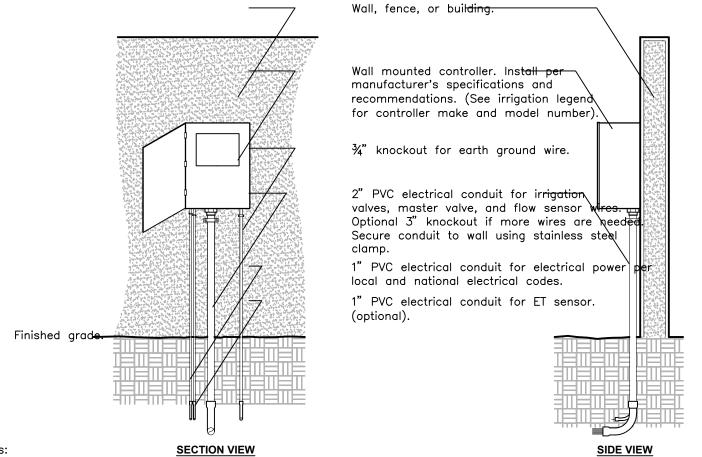
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- 1— Size thrust blocks shall be specified as show in the table above.
- 2- Control wires shall not be encased in concrete.
- 3- All fittings shall be wrapped with polyethylene to prevent concrete from adhering to pipe, fittings or bolts.
- 4— Joints and bolts shall be accessible for repairs.
- 5— Thrust blocks shall be a minimum of 6" thick.
- 6- One 80 lbs. sack of concrete shall cover .6 ft.3

THRUST BLOCK



1— Common and controller wire to be bundled using electrical tape at $10^{\circ}-0^{\circ}$ on center. 2— Grounding rods shall be located between 8"— 0" to 12'— 0" away from the controller. Grounding rods shall be ¾" in diameter x 8' in length. Connect the grounding rod to the controller using 6 gauge bare copper wire or per the manufacturer's specifications. See grounding rod detail.

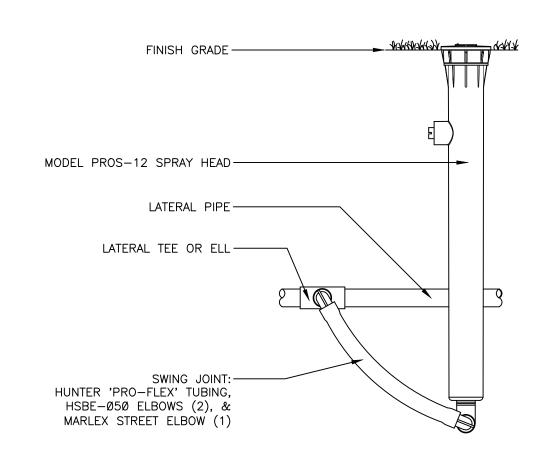
3- ET Station shall be installed no further than 90' away from the controller and a minimum of 15' off of the ground, out WALL MOUNTED CONTROLLER from under any overhead obstructions such as, but not limited to, building overhangs, trees, or utilities. URBAN TREE FOUNDATION © 2014 OPEN SOURCE FREE TO USE

Finished grade. -

control wires.

1- See irrigation legend for mainline and lateral line pipe size and type.

Hunter®



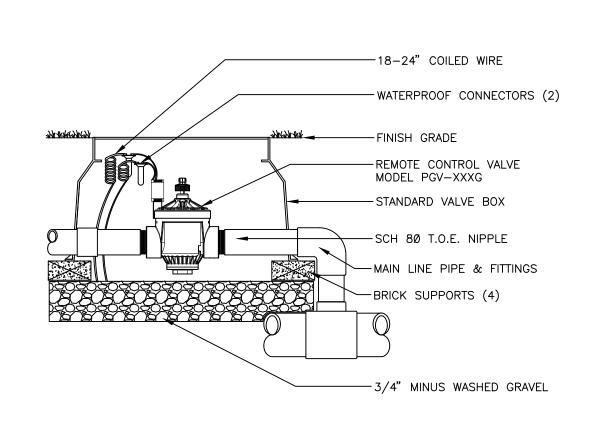
PROS-12 SPRAY HEAD WITH PRO-FLEX TUBING

Pavement. —

Non-pressurized line (lateral line).

—— Detectable locator tape.

Hunter

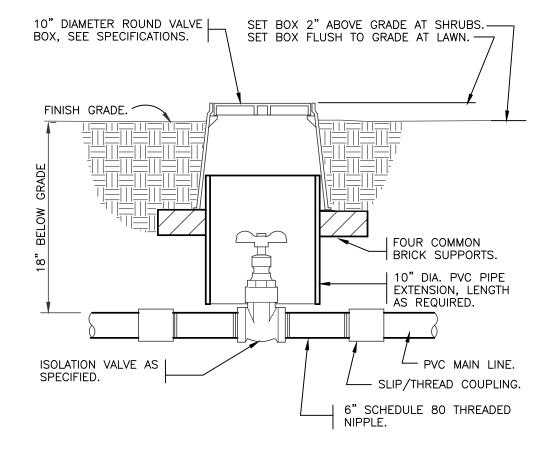


PGV GLOBE VALVE

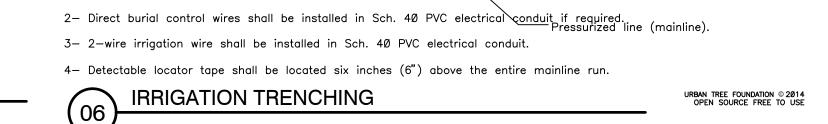
-REDUCED PRESSURE BACKFLOW DEVICE AS SPECIFIED. _ GALVANIZED NIPPLES AND ELL AS REQUIRED. GALVANIZED UNIONS AT EACH SIDE. PRESSURE REDUCING VALVE AS SPECIFIED. — GALVANIZED RISERS. _ GALVANIZED ELL AND NIPPLE, TYPICAL EA. SIDE. - PVC COUPLER AND SCHEDULE 80 TOE NIPPLE. TYPICAL EACH SIDE. – MAIN LINE, SIZE AS PER PLANS. CONCRETE THRUST BLOCKS,

90 LBS. OF CONCRETE EACH.

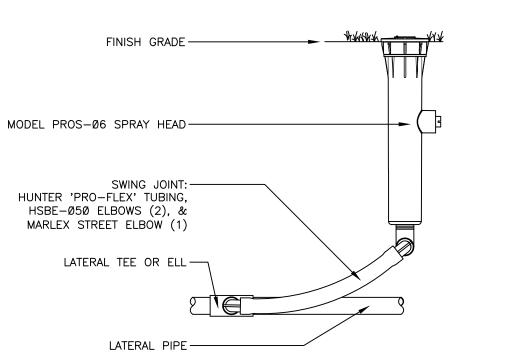
REDUCED PRESSURE BACKFLOW



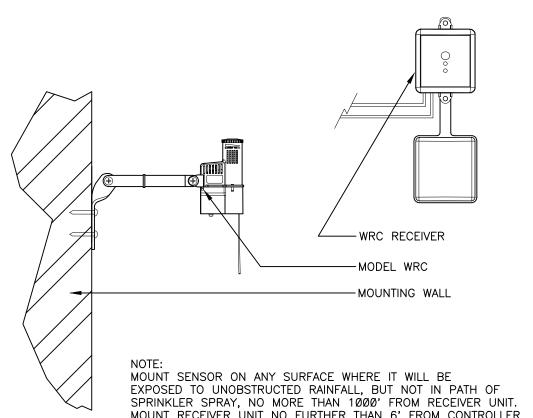




Hunter

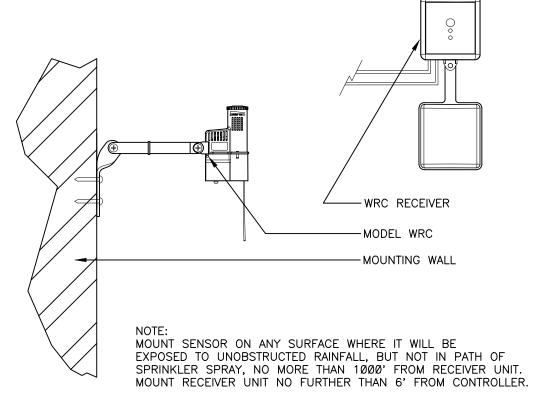






WIRELESS RAIN-CLIK

Hunter®





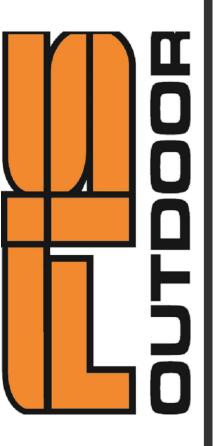
KEYS AUTO CENTER 1618 N. Roosevelt Blvd Key West, FL 33040

PREPARED FOR:

PREPARED BY:

FIS OUTDOOR 1112 Samples Industrial Dr. Cumming, GA 30041

770-844-7899 www.fisoutdoor.com



<u>NO</u>

REVISI	ON	
	COMMENTS	DATE
		xx-xx-xxx
2		xx-xx-xxx
3		xx-xx-xxx
4		XX-XX-XXXX
5		XX-XX-XXXX

DRAWING SCALE: NTS

PROJECT NUMBER:

DRAWING TITLE:

IRRIGATION DETAILS

CHECKED BY: JF

DRAWN BY: ZN

AUTHORIZED: JF

ISSUE: DESIGN

ISSUE DATE: 05-06-2022

SHEET NUMBER: **IRR-03**

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STAFF REPORT

DATE: June 7 and 10, 2022

RE: 1618 N. Roosevelt Blvd #TP2022-0012 (Final Landscape Plan Review)

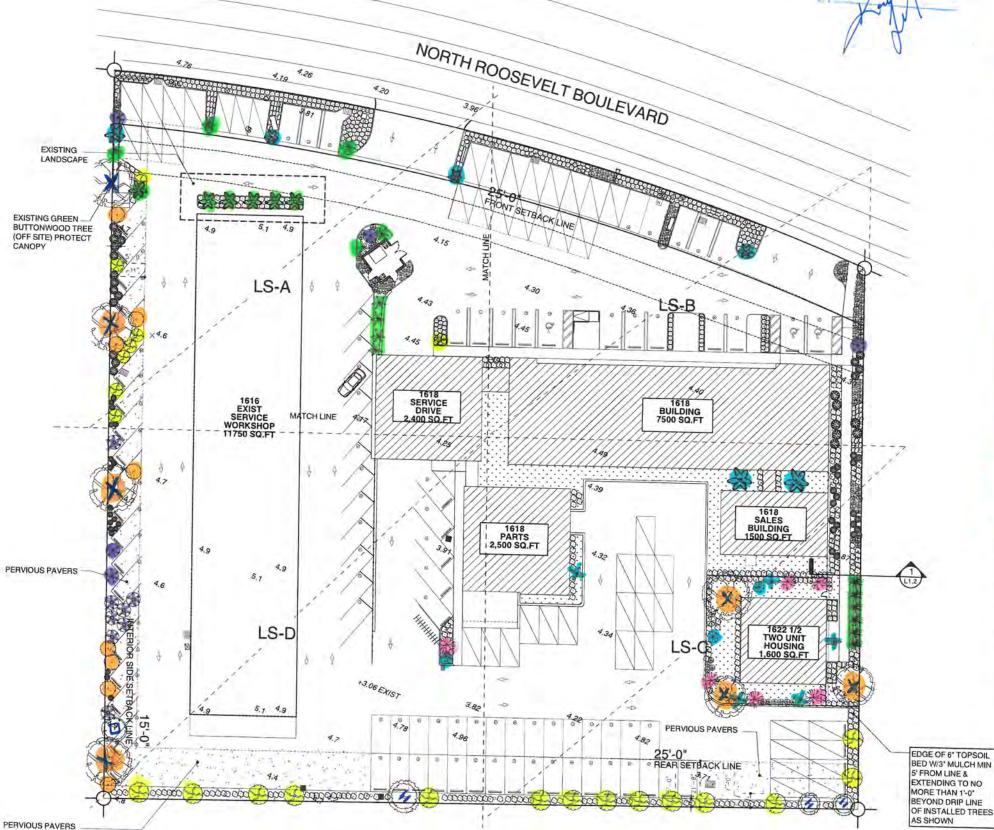
FROM: Karen DeMaria, City of Key West Urban Forestry Manager

An application was submitted for Final Landscape Plan Approval for the above referenced property also known as Keys Auto Center. There is no tree removal involved with this review but, several palms will be transplanted.

A staff report regarding conceptual landscape plan design approval was created on May 12 & 17, 2022 and a Sec 108 landscaping and buffer requirements memorandum was created on May 13 & 18, 2022. The reports are attached. The Planning Board approved the development plan with landscape waivers on May 19, 2022.

The property is an existing car dealership/auto repair facility that is being redeveloped. The Final Landscape Plan will enhance the existing area and includes additional trees around the property line buffer areas and around the two new residential units. Nine existing Royal Palms and (6) young Bismarkia palms will be transplanted to other areas of the property. The new landscaping is 70% native vegetation. An irrigation and landscape maintenance plan has been submitted. A transplantation plan must be submitted prior to issuance of any building permits.





LANDSCAPE PLAN PROPOSAL OVERALL

1	COMMON NAME	BOTANICAL NAME	No	SIZE / NOTES
Ap	NEW. ROYAL PALM TREE	ROYSTONEA ARECACEAE	6	12-14' GREY TRUNK
Fp	FAN PALM TREE NEW	LIVISTONA SPECIOSA	5	12-14' GREY TRUNK
Ap	ARECA PALM	DYPSIS LUTESCENS	123	3 GAL 6'-0" & 8-0"
Sbs	SILVER BUTTONWOOD (SHRUB)	CONOCARPUS ERECTUS	83	3 GAL , 18'
Sbt	SILVER BUTTONWOOD (TREE)	CONOCARPUS ERECTUS	56	7 GAL(24*-30*
Ch	CLUSIA HEDGE	CLUSIA ROSEA	317	7 GAL (4'-0"HIGH) @24"STAGGERE
Ср	COCOPLUM	CHRYSOBALANUS ICACO	344	3 GAL , 24"
Sod	SAINT AUGUSTINE GRASS	STENOTAPHRUM SECUNDATUM	SF/A	8400 SF.
GI	GUMBO LIMBO TREE	BURSERA SIMARUBA	21	4" DBH, 10'-0", SINGLE TRUNK
Mt	MAHOGANY TREE	SWIETENIA MAHAGONY	8	4" DBH, 10'-0", SINGLE TRUNK
Ts	6" TOPSOIL & 3" MULCH BED SEE PLAN		SF/A	9,706.19 SF.
Ві	GREEN BUTTONWOOD TREE	CONOCARPUS ERECTUS	6	12'-14' TRUNK
	SUB. CANOPY TREES			
St	SIMPSON'S STOPPER TREE	MYRCIANTHES FRAGRANS	6	5 'HEIGHT
Ťų	THATCH PALM	LEUCOTHRINAX MORRISII	3	5'-10 ' HEIGHT
Вр	BUCCANEER PALM	PSEUDOPHOENIX SARGENTII	5	10'-15' HEIGHT
EXIS	TING LANDSCAPE	11.5		
Rpe	EXISTING PALM TREE (REMAIN IN PLACE)	ROYSTONEA ARECACEAE	6	12-14' GREY TRUNK
Rp0	ROYAL PALM TREE (TRANSPLANTED, SEE LS1.	ROYSTONEA ARECACEAE	9	12'-15' HEIGHT
Bmp	BISMARCKIA PALM (TRANSPLANTED, SEE LS1,	BISMARCKIA NOBILIS	6	12'-14' HEIGHT, EXIST
Sf	STRANGLER FIG	FICUS AUREA	3	12'-14' HEIGHT, EXIST.
BtE	GREEN BUTTONWOOD TREE	CONOCARPUS ERECTUS	1	12'-14' TRUNK
Wt	WOMAN'S TONGUE TREE	ALBIZIÁ LEBBECK	t	EXIST.
Fpe	FAN PALM TREE EXISTING	LIVISTONA SPECIOSA	8	EXIST.
			1	

NOTE: ALL LANDSCAPE AREAS TO BE IRRIGATED W/ DRIP IRRIGATION ONLY SYSTEM (BY OTHERS) TO BE INCLUDED IN PERMIT. -SEE SHEETS LS-A,LS-B,LS-C,LS-D FOR DETAIL PLANS.

SALMAN & ASSOCIATES

ARCHITECTS PLANNERS INTERIORS DESIGNERS

1235 Coral Way Miami, FL 33145 305-542-0142

AA2603307

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Proposed

Keys Auto Center

Auto Dealership

Address:

1618 N.Roosevelt

Blvd

Key West, FL 33040 ISSUE DATE: 05.08.22

DCR - KEY WEST

DRAFT STAFF REPORT

DATE: May 13 and 18, 2022

RE: 1618 North Roosevelt Blvd (Landscape Sec 108 Review)

FROM: Karen DeMaria, City of Key West Urban Forestry Manager

An application was submitted to the Tree Commission for Conceptual Landscape Plan approval for a major development plan to redevelop the property. A site visit was done with the architect to document the existing vegetation on the site on April 28, 2022. Review and acceptance of the existing tree map and preliminary, conceptual review of the landscape plan was done by the Urban Forestry Manager on May 17, 2022. The review below is to verify compliance to Sec 108 of the City Code regarding landscaping and buffer requirements to help the Planning Board with their review. This review is based on the site and landscape plans submitted to the Urban Forestry Manager on May 17, 2022 and to the Planning department dated May 6, 2022.

Review of Section 108:

- Sec 108-243: A landscape plan and a tree protection plan has been submitted.
 An irrigation plan as per Sec 108-515, has not been submitted.
- Sec 108-289: The property is an existing, car dealership (disturbed uplands-commercial). The project will not be removing any regulated trees. Regulated palms are to be transplanted on the property.
- 3. Sec 108-346: As per the submitted plans, the open space percentage is 17%. This has not been verified. There are several Brazilian pepper trees, an invasive exotic plant, along the rear property line with the school that will be removed. Due to the seed source being in the soil, the property maintenance plan must include a statement regarding maintenance of the property to remove any invasive exotic plant species. A waiver might be needed for open space.
- 4. Sec 108-347 (bufferyards): The proposed and current use are the same, car dealership with the exception of an added residential unit in the rear of the property (medium/high impact). According to the property appraiser site, the property along the east side is a shopping center (medium impact), along the south is HOB School-classroom building (medium impact), and along the west side municipal-fire and police station (medium/high impact). Code buffer requirements would be a C for all three areas.

The east side buffer is approximately 5 ft wide therefore, 72 plant units per 100 linear feet are required for a total of 267 plant units. The plan proposes a total of 167 plant units. Waiver required or add additional plants to the plan. There is a sidewalk immediately adjacent to this buffer area with approximately an additional 80 shrubs being planted.

The south side buffer is approximately 5 ft wide therefore, 72 plant units per 100 linear feet are required for a total of 267 plant units. Three existing Strangler Fig trees are located in this buffer area and are to remain. Strangler Fig trees are an important canopy tree therefore, as per Sec 108-451, a two tree credit for each Strangler Fig tree has been given. The plan proposes a total of 251 plant units. Waiver required or add additional plants to the plan.

The west side buffer is approximately 2.5 ft wide therefore, 80 plant units per 100 linear feet are required for a total of 278 plant units. The plan proposes a total of 255 plant units. Waiver required or add additional plants to the plan.

- 5. Sec 108-348 allows for credit of existing plant material. Regulated and not regulated trees and palms currently located along the property lines will remain. Royal Palms located in the interior of the property will be transplanted to other areas on the property. Credit has been given during the review for those palms and trees that are remaining on site.
- 6. Sec 108-412: The applicant states that 17% of the site will be landscaped. This has not been verified. Code requires a minimum of 20% of the building site area be landscaped and 70% of the vegetation shall be native vegetation. The landscape plan does include 70% native vegetation. A waiver might be needed for minimum landscape area.
- 7. 108-413, landscape requirement along street frontages. The property is 2.76 acres therefore, this section of the code requires 120 plant units per 100 linear ft in a 30 ft wide buffer area for a total of 464 plant units. The plan proposes approximately 260 shrubs planted in a 5 ft wide landscape strip along the N. Roosevelt Blvd sidewalk. The proposed landscaping also includes several island extension areas from the shrub landscape strip that include an additional 150 plants units that include shrubs and five palms. A waiver is needed for buffer width and plant units.
- 8. Sec 108-414 Interior parking areas: The property includes parking for customers, employees, parking areas for car repair work areas, and parking of new vehiclesfor sale. Parking islands are proposed primarily in the customer areas. Code requires a minimum landscape area of 20% of the total parking area and includes requirements as to size and vegetation. At this time, it is not known what percentage of the parking areas are for what purpose. A waiver might be needed.
- 9. Sec 108-416, interior area landscaping. This section of code specifically looks at the planting of trees and requires that all areas not covered by buildings or hardscape will have grass, groundcover, shrubs or other landscaping materials. The application states 20,157 square feet of area or 17% is not covered by asphalt or buildings. Therefore, 10 canopy trees are required to be planted in the interior of the property. The landscape plan includes most of the canopy trees to be planted along the side buffer areas. The proposed landscape plan does include the planting of three Simpson Stopper trees, a subcanopy tree species, a Gumbo Limbo tree, and numerous palms in the interior area. A waiver will be needed.
- 10. Sec 108-447: A tree protection has been submitted.

- 11. Sec108-448: Landscape strips are to be covered in soil and mulch. Sod has been proposed in some larger areas and pervious pavers are also proposed. No other groundcover plants have been proposed. A waiver might be needed.
- 12. Sec 108-450: Landscape screening has been provided.
- 13. Sec 108-452: This section reviews line of site areas. There is a concern regarding the use of vegetation along the N. Roosevelt Blvd landscape area due to the nature and shape of the roadway in this area. The proposed landscape plan provides minimal landscaping in this area with cocoplum shrubs that easily be maintained at a 24 inch height.
- 14. Sec 108-481: Palms constitute less than 25% of total tree requirements.
- 15. Sec 108-482: A landscape maintenance plan is required. A maintenance plan has not been submitted.
- 16. Sec 108-515: Irrigation plan required. An irrigation plan has not been submitted. A note on the landscape plans states; "all areas to be irrigated w/drip irrigation only system (by others) to be included in permit." A condition of the approval is needed.

Conditions:

- Due to the rush review of the submitted landscape plan, final approval of a corrected and updated landscape plan is required from the Tree Commission to include additional plantings, as requested by the Planning Director, and Urban Forestry Manager.
- 2. An irrigation plan is required prior to placement on City Commission agenda.

3. A landscape maintenance plan and palm transplantation plan is required.

Karen DeMaria

5-18-22

Urban Forestry Manager

City of Key West

STAFF REPORT

DATE: May 12 and May 17, 2022

RE: 1618 N. Roosevelt Blvd (permit application #TP2022-0010)

FROM: Karen DeMaria, City of Key West Urban Forestry Manager

On March 28, 2022, an application was submitted for Conceptual Landscape Plan approval for a major development plan. The application was considered incomplete due to the lack of a proper existing tree map and outstanding issues with other departments.

On April 11, 2022, a meeting was held to discuss pending issues regarding city departments and the development plan. A site meeting was then scheduled on April 28, 2022 to document the existing conditions of the site and to verify locations of existing trees and palms on the property. On May 2 and 4, 2022 updated plans including an updated site map and landscape plan were submitted. Additional information and clarification was requested and on May 16, 2022 the existing tree map and landscape plan was accepted for review.

The existing site map shows all the documented vegetation on the property. The plan misidentifies the scientific name on a few species. This will need to be corrected prior to Final Landscape Plan review by the Tree Commission.

No regulated trees or palms are being removed. Nine Royal Palms will be relocated on the property. A transplant plan will need to be provided.

The Conceptual Landscape Plan is 70% native vegetation, tree species are appropriate for the area, and no regulated trees are being removed. Therefore, the Urban Forester approves of the Conceptual Landscape Plan, as submitted, so that the file can be reviewed by the Planning Board. Final Landscape Plan approval will have to be approved by the Tree Commission.

Karen DeMaria

Urban Forestry Manager

City of Key West



Google Earth photo showing entire site.



Photo looking toward the west along front of the property and N. Roosevelt Blvd.



Photo looking south down the eastern property line.



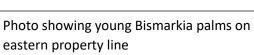




Photo standing on eastern property line looking south toward HOB school.



Standing near the southeast corner of the property looking toward the west at the interior of the property.



Photo of the southeast corner of the property looking at the existing Ficus trees.

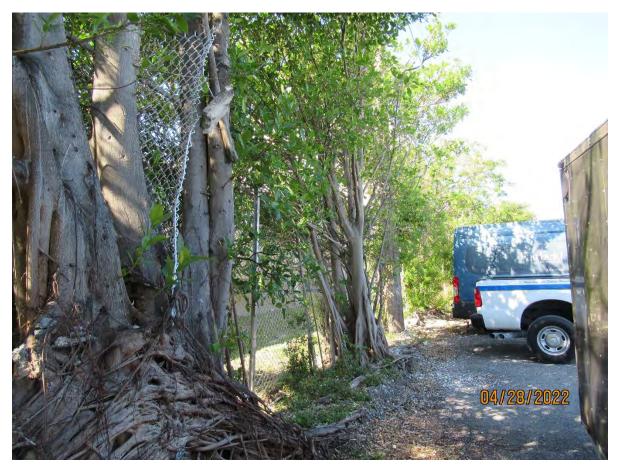


Photo of the southern property line, southeast corner area where ficus and Brazilian pepper trees are located.



Standing near southwest area of property looking at southern property line with HOB school.



Existing ficus tree on southern property line, view 1.



Existing ficus tree on southern property line, view 2.



Photo looking down southern property line toward southwest corner.



Photo of Brazilian Pepper tree on southern property line.



Photo of southwestern property corner.



Photo of western property line area.



Photo of existing Woman's Tongue tree on western property line.



Photo of Fan Pam clump on western property line.



Looking toward the north down western property line area at large green buttonwood tree.



Standing at the northwestern property corner looking south down the western property line.



Standing at the northwestern property corner looking east down the northern property line.



Existing vegetative area in front of tiki repair area, to remain.



Existing
vegetative area
along side of tiki
repair area.
Palms to be
transplanted.