

LANDSCAPE PLANS

MARCO ISLAND, FL, SITE DEVELOPMENT PLANS
for

BARGAIN BASKET MARCO ISLAND

Reviewed for code compliance
M Holden
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Richard P. Chalupa, RLA

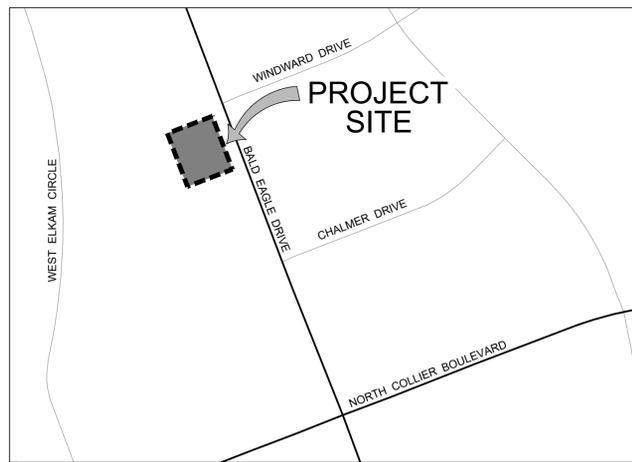
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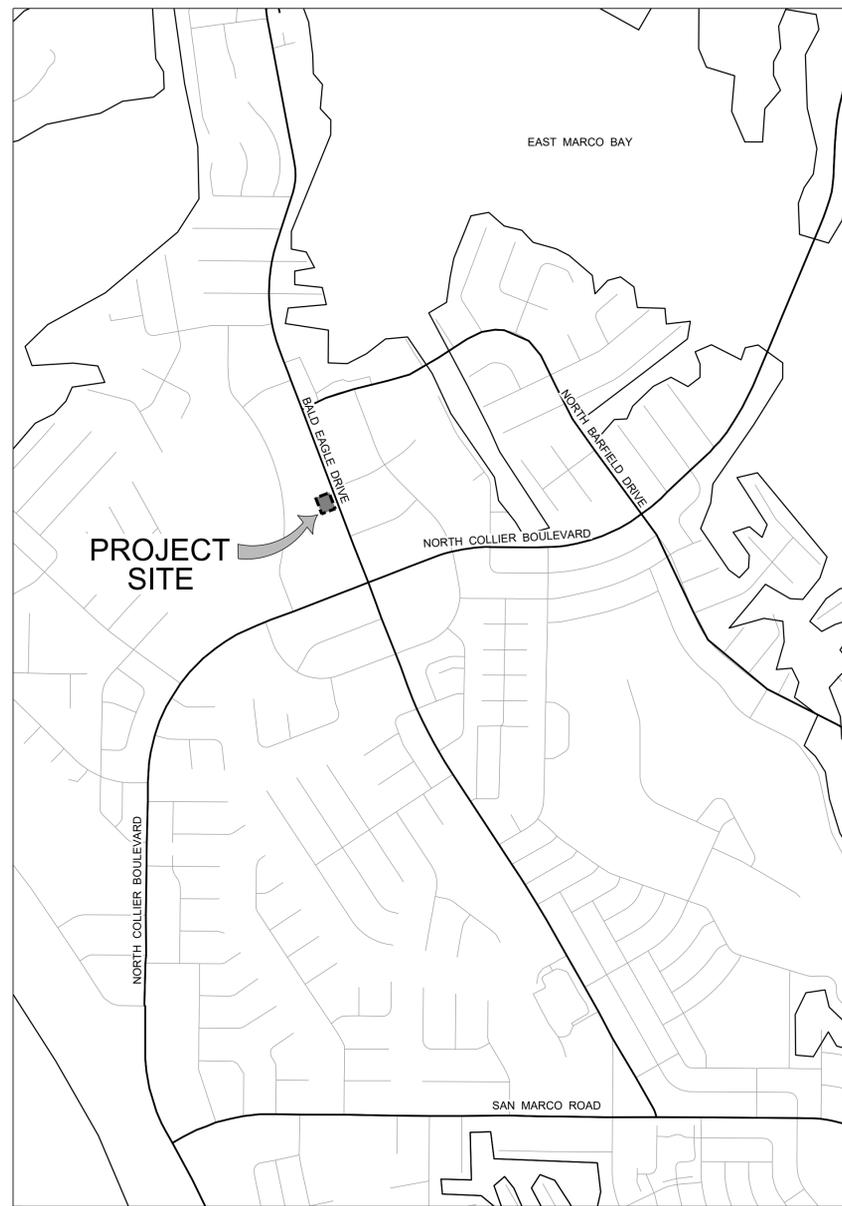
Owner/Developer:

United Church of Marco Island
750 Bald Eagle Drive
Marco Island, FL 34145
Tel: 239-394-6640

COLLIER COUNTY FOLIO NUMBER: 57991200001



VACINITY MAP
SCALE: 1" = 300'



LOCATION MAP
SCALE: 1" = 1000'



| LANDSCAPE ARCHITECTURAL PLANS | |
|-------------------------------|----------------------------------|
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EXCAVATE



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MIN. OF 2 DAYS AND MAX. OF 5 DAYS
NOTICE BEFORE YOU EXCAVATE.



BARGAIN BASKET MARCO ISLAND
COVER SHEET
MARCO ISLAND, FL

REVISIONS

| NO. | DATE | DESCRIPTION |
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SHEET
1 OF 4

DATE: SEPTEMBER 2024

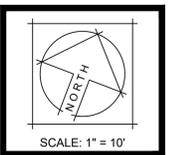
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BARGAIN BASKET MARCO ISLAND

SDP LANDSCAPE PLAN

MARCO ISLAND, FL

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SHEET
2 OF 4

DATE: SEPTEMBER 2024

ABBREVIATION LEGEND:

| CALLOUT | DESCRIPTION |
|---------|-----------------------------|
| VUA | REQUIRED VEHICULAR USE TREE |
| RBT | REQUIRED BUFFER TREE |
| BLD | REQUIRED BUILDING TREE |
| RGT | REQUIRED GENERAL TREE |
| RST | REQUIRED SHADE TREE |
| EOW | EDGE OF WATER |
| EOP | EDGE OF PAVEMENT |
| BOC | BACK OF CURB |
| UE | UTILITY EASEMENT |
| DE | DRAINAGE EASEMENT |
| LME | LAKE MAINTENANCE EASEMENT |
| LBE | LANDSCAPE BUFFER EASEMENT |

FPL UTILITIES NOTE:

ADHERE TO RECOMMENDED CLEARANCES
FOR ALL FPL TRANSFORMERS / CABINETS:
FRONT: 8'
SIDES & REAR: 3'

Utilities Standards Manual:
Trees are to be offset from Water Mains by 5 feet.

PLANT MATERIAL STANDARDS:

Section 30-435-a.1, 2
TREES: 50% NATIVE and DROUGHT TOLERANT
SHRUBS: 50% NATIVE and DROUGHT TOLERANT

EXISTING LANDSCAPE LEGEND:

| SYMBOL | BOTANICAL NAME | COMMON NAME | STATUS |
|--------|----------------------|------------------------|---------------|
| | BURSERA SIMARUBA | GUMBO LIMBO | TO REMAIN |
| | QUERCUS VIRGINIANA | LIVE OAK | TO REMAIN |
| | PTYCHOSPERMA ELEGANS | ALEXANDER PALM, double | TO REMAIN |
| | PTYCHOSPERMA ELEGANS | ALEXANDER PALM, single | TO REMAIN |
| | ROYSTONEA ELATA | ROYAL PALM | TO BE REMOVED |
| | SABAL PALMETTO | CABBAGE PALM | TO BE REMOVED |

SPECIES TO BE REMOVED

| Botanical Name: | Common Name: |
|---------------------------|-------------------------|
| Abrus precatorius | Rosary Pea |
| Acacia auriculiformis | Earleaf Acacia |
| Albizia lebbek | Woman's Tongue |
| Araucaria heterophylla | Norfolk Island Pine |
| Bischofia javanica | Bishopwood |
| Casuarina spp. | Australian Pine |
| Colubrina asiatica | Lather Leaf |
| Cupianopsis anacardioides | Carrotwood |
| Dalbergia sissoo | Rosewood |
| Dioscorea alata | Winged Yam / Air Potato |
| Dioscorea bulbifera | Air Potato |
| Eucalyptus camaldulensis | Murray Red Gum |
| Ficus benjamina | Weeping Fig |
| Ficus microcarpa | Cuban Laurel Fig |
| Lantana camara | Lantana |
| Leucaena leucocephala | Lead Tree |
| Lygodium spp. | Climbing Fern |
| Melaleuca quinquenervia | Melaleuca |
| Mimosa pigra | Catclaw Mimosa |
| Panicum maximum | Guinea Grass |
| Rhodomyrtus tomentosa | Downy Rosemyrtle |
| Sapum sebiferum | Chinese Tallow |
| Scaevola taccada | Scaevola Beach Naupaka |
| Schinus terebinthifolius | Brazilian Pepper |
| Solanum viarum | Tropical Soda Apples |
| Syzygium cumini | Java Plum |
| Syzygium jambos | Rose Apple |
| Thespesia populnea | Seaside Mahoe |
| Urena lobata | Cassareweed |
| Wedelia triobata | Wedelia |

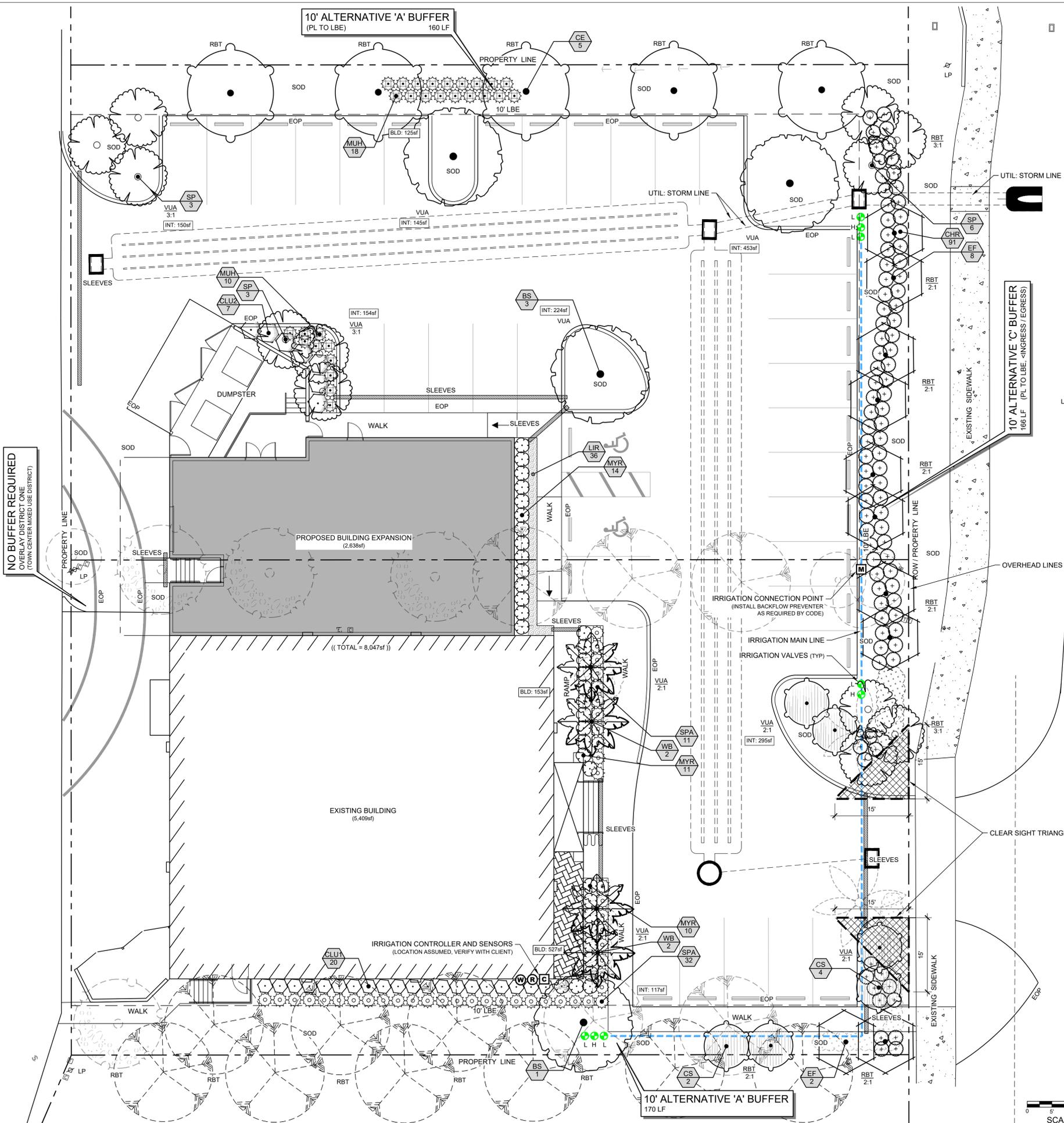
PROHIBITED SPECIES LIST

| Botanical Name: | Common Name: |
|--------------------------|----------------------|
| Cestrum diurnum | Day-blooming Jasmine |
| Eucalyptus camaldulensis | Murray Red Gum |
| Eugenia uniflora | Surinam Cherry |
| Ficus benjamina | Weeping Fig |
| Ficus microcarpa | Cuban Laurel Fig |
| Dalbergia sissoo | Rosewood |
| Koeleruteria elegans | Golden Raintree |
| Ligustrum lucidum | Glossy Privet |
| Ligustrum sinense | Chinese Ligustrum |
| Melia azederach | Chinaberry |
| Psidium cattleianum | Strawberry Guava |
| Psidium guajava | Common Guava |
| Sapum sebiferum | Chinese Tallow |
| Syzygium jambos | Rose Apple |
| Thespesia populnea | Cork Tree |
| Wedelia triobata | Wedelia |

SEE ALSO, NOTE #14 IN THE LANDSCAPE INSTALLATION NOTES FOR ADDITIONAL EXOTIC PLANT RESOURCE(S).

IRRIGATION LEGEND

| ZONE / VALVE LABEL: "H" or "L" for High or Low Water Use | |
|--|--|
| | # Irrigation Meter |
| | # Station Irrigation Controller |
| | Rain and Wind Sensor Switches |
| | Irrigation Valve |
| | Irrigation Main Line |
| | Sleeving Locations (See Irrigation Notes #4 & 5) |



SCALE: 1" = 10'



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| LANDSCAPE CALCULATIONS - CITY OF MARCO ISLAND, FL | | | | | | | | | | |
|---|--|-------------|-------|---|----------|------|-----------------------------------|----------|------|---------------------------------------|
| NO. | DESCRIPTION | MEASUREMENT | UNITS | CALCULATION | REQUIRED | | | PROVIDED | | |
| | | | | | AMOUNT | UNIT | DESCRIPTION | AMOUNT | UNIT | DESCRIPTION |
| 1. | VEHICULAR USE AREA (SECTION 30-439.b. c) AREA WITHOUT CURBING, LABELED AS "INT" AND "VUA" | 15,382 | sf | INTERIOR: sf x 0.10 TREES: 1 / 250sf | 1,538 | sf | INTERIOR LANDSCAPING | 1,538 | sf | INTERIOR LANDSCAPING |
| | | | | | 9 | qty | TREES | 9 | qty | TREES |
| 2. | RIGHT-OF-WAY LANDSCAPING (SECTION 30-441.g) 10' ALTERNATIVE 'C' BUFFER, R.O.W.: BALD EAGLE DRIVE, LABELED AS "RBT" | 166 | LF | TREES: LF / 30 | 6 | qty | TREES | 6 | qty | TREES |
| | | 156 | LF | SHRUBS: LF / 3 x 2 (ADJACENT TO VUA) | 104 | qty | SHRUBS | 104 | qty | SHRUBS (91 PROPOSED + 13 EXISTING) |
| 3. | PERIMETER BUFFERING (SECTION 30-441.g) 10' TYPE 'A' BUFFER, NORTH, LABELED AS "RBT" | 160 | LF | TREES: LF / 30 | 5 | qty | TREES | 5 | qty | TREES |
| | | 170 | LF | TREES: LF / 30 | 6 | qty | TREES | 6 | qty | TREES (3 PROPOSED + 3 EXISTING) |
| 4. | BUILDING PERIMETER PLANTINGS (SECTION 30-440.4) COMM. INSTITUTIONAL & MULTIFAMILY LABELED AS "BLD" AND "BPP" | 8,047 | sf | PLANTINGS @ 100sf / 1,000sf BLDG. Planting bed = 5' min. width | 805 | sf | PLANTING | 805 | sf | PLANTING |
| 5. | LANDSCAPE REQUIREMENTS (SECTION 30-440.3) INSTITUTIONAL / COMMERCIAL: TREES: 1 / 3,000sf PERVIOUS AREA LABELED AS "RGT" (EXCLUDING PRESERVES) | 8,590 | sf | PERVIOUS sf / 3,000 | 3 | qty | TREES (TOTAL MINIMUM, MAX: 15) | 3+ | qty | TREES |

* Vehicular Use Area, Required Trees - Based on the calculation on the square footage of pavement, the required number of canopy trees is 6.
LDC Section 30-439.c requires a canopy tree at the terminal islands, therefore the minimum number of VUA trees is 9.

PLANT SCHEDULE: SITE DEVELOPMENT PLAN

| SYMBOL | CODE | QTY | BOTANICAL NAME | COMMON NAME | HT. AND SPR. | CALIPER | SPEC. | NATIVE |
|----------------------|------|-----|--------------------------|--------------------------|-----------------------------|--------------------|---|--------|
| TREES | | | | | | | | |
| | BS | 4 | Bursera simaruba | Gumbo Limbo | 12' ht. min. x 6' spd. min. | 3" cal. min. | Full crown | Yes |
| | CE | 5 | Conocarpus erectus | Green Buttonwood | 12' ht. min. x 6' spd. min. | 3" cal. min. | Standard | Yes |
| | CS | 6 | Conocarpus erectus 'ser' | Silver Buttonwood | 12' ht. min. x 6' spd. min. | 3" cal. min. | Standard | Yes |
| | EF | 10 | Eugenia foetida | Spanish Stopper | 12' ht. min. x 6' spd. min. | 3" cal. min. | Standard | Yes |
| PALMS | | | | | | | | |
| | SP | 12 | Sabal palmetto | Cabbage Palm | 12' ct | Booted | Staggered heights, Tied Heads | Yes |
| | WB | 4 | Wodyetia bifurcata | Foxtail Palm | 14' ct min. | Heavy | Straight trunk, Matching, Full Crown | No |
| SYMBOL | CODE | QTY | BOTANICAL NAME | COMMON NAME | SIZE | HT. AND SPR. | SPACING | NATIVE |
| SHRUBS | | | | | | | | |
| | CHR | 91 | Chrysobalanus icaco 'RT' | Red Tip Cocoplum | 3 gallon min. | 24" ht. min. | 36" oc | Yes |
| | CLU2 | 7 | Clusia rosea 'PA' | Pitch Apple | 10 gal. min. | 48" ht., 36" spd. | 48" oc | Yes |
| | CLU1 | 20 | Clusia rosea 'PA' | Pitch Apple | 3 gal. min. | 36" ht min. | 36" oc | Yes |
| | MUH | 28 | Muhlenbergia capillaris | Pink Muhly Grass | 3 gallon min. | 24" ht. min. | 36" oc | Yes |
| | MYR | 35 | Myrcianthes fragrans | Simpson's Stopper | 3 gallon min. | 24" ht. min. | 36" oc | Yes |
| | SPA | 43 | Spartina bakeri | Sand Cordgrass | 3 gallon min. | 24" ht. min. | 36" oc | Yes |
| SYMBOL | CODE | QTY | BOTANICAL NAME | COMMON NAME | SIZE | HT. / SPR. / SPEC. | SPACING | NATIVE |
| GROUND COVERS | | | | | | | | |
| | LIR | 36 | Liriope muscari 'EG' | Evergreen Giant Lilyturf | 1 gal min. | 12" ht. | 18" oc | No |

SOD, MULCH and ROOT BARRIER

| | | |
|-------|-----|---|
| SOD | TBD | SOD ALL PROPOSED SOD BEDS WITH STENOTAPHRUM SECUNDATUM - ST. AUGUSTINE FLORATAM SOD NOTED AS "SOD" ON PLAN. |
| BAHIA | TBD | ALL OTHER DISTURBED AREAS INCLUDING BUT NOT LIMITED TO RETENTION/DETENTION AREAS WITH PASPALUM NOTATUM - BAHIA - UNLESS OTHERWISE NOTED. CONTRACTOR SHALL CONFIRM SOD TYPE(S) AND VERIFY/SUBMIT QUANTITIES FOR AREAS THAT MAY BE UNIDENTIFIED AND/OR NOT LABELED ON PLAN. |
| MULCH | TBD | FORESTRY SERVICES COCO BROWN, OLD FLORIDA BLEND MULCH, OR APPROVED OTHER HARDWOOD MULCH NO CYPRESS MULCH PERMITTED SHREDDED, 3" THICK, ALL PLANT BEDS AND TREES RINGS (4") DIAMETER WITHIN SOD BEDS. CONTRACTOR TO VERIFY AND SUBMIT QUANTITIES. |
| ROOT | TBD | ROOT BARRIER TO BE INSTALLED AS NECESSARY. SEE DETAILS SHEET FOR INFORMATION. CONTRACTOR TO VERIFY AND SUBMIT QUANTITIES. |

BARGAIN BASKET MARCO ISLAND
LANDSCAPE CALCS & PLANT SCHEDULE
MARCO ISLAND, FL

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BARGAIN BASKET MARCO ISLAND
DETAILS SHEET
MARCO ISLAND, FL

| NO. | REVISIONS |
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SHEET
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DATE: SEPTEMBER 2024

LANDSCAPE INSTALLATION NOTES:

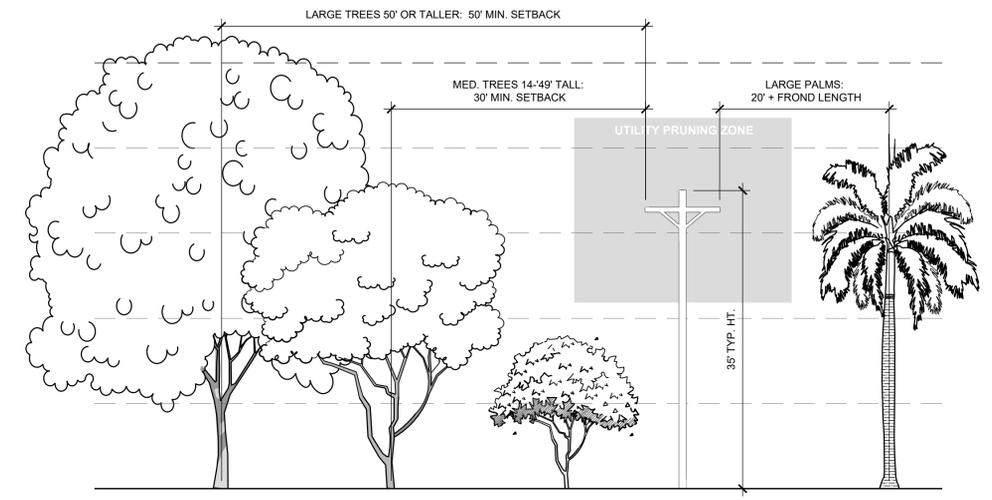
- ALL PLANT MATERIAL MUST BE FLORIDA NO. 1.
- ALL PLANTS SHALL BE FERTILIZED WITH AGRIFORM 20-10-5 TABLETS AS PER THE MANUFACTURER'S SPECIFICATIONS IN CONJUNCTION WITH NOTE #3.
- THE PLANTING SOIL SHALL BE THE APPROXIMATE PROPORTIONS AS FOLLOWS: 50% SAND AND 50% ORGANIC MATERIAL CONSISTING OF NATIVE PEAT, WELL DECOMPOSED SAWDUST, LEAF MOLD AND TOP SOIL. IT SHALL PROVIDE A GOOD PLIABLE AND THOROUGHLY MIXED MEDIUM WITH ADEQUATE AERATION, DRAINAGE 1
- AND WATER-HOLDING CAPACITY. IT SHALL ALSO BE FREE OF ALL EXTRANEIOUS DEBRIS, SUCH AS ROOTS, STONES, WEEDS, ETC.
- A SET OF CONSTRUCTION DOCUMENTS AND/OR APPROVED CODE-REQUIRED PLANS SHALL BE ON SITE AT ALL TIMES.
- ALL UTILITIES, EASEMENTS, RIGHT-OF-WAY, OWNERSHIP, AND/OR OTHER SURVEY DATA SHALL BE VERIFIED BY THE GENERAL CONTRACTOR, SITE WORK CONTRACTOR, AND/OR LANDSCAPE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK.
- COMPLIANCE / PERMIT ACQUISITION AND/OR DISPLAY IS REQUIRED FOR CODE-RELEVANT REQUIREMENTS (SUCH AS, BUT NOT LIMITED TO: REMOVALS, TRIMMING, REPLACEMENT, ETC.)
- VERIFY PLANT QUANTITIES AND SPECIFICATIONS WITH THE LANDSCAPE ARCHITECT (ALSO REFERENCED AS "L.A." HEREAFTER). NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY IF DISCREPANCIES ARE NOTED. PLANTING PLAN SHALL TAKE PRECEDENCE OVER "PLANT LIST" QUANTITIES. THE L.A. RESERVES THE RIGHT FOR MATERIAL REJECTION IF THE INSTALLATION DOES NOT CORRESPOND TO THE "PLANT LIST" SPECIFICATION / REMARK.
- PLANT MATERIAL IS TO BE FLORIDA GRADE #1 MINIMUM AND FLORIDA FANCY FOR PLANT MATERIAL SPECIFIED AS "SPECIMEN" TREES ARE TO BE CONSIDERED SINGLE TRUNK AND MEET THE MINIMUM STANDARD FOR CODE WITHIN THE APPLICABLE JURISDICTION.
- SIZES/SPECIFICATIONS ARE CONSIDERED MINIMUM. INSTALLATION MATERIAL IS TO MEET OR EXCEED THESE REQUIREMENTS - VERIFY ANY DISCREPANCY PRIOR TO MATERIAL PURCHASE, DELIVERY, AND/OR INSTALLATION.
- THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF PLANT MATERIAL WITH THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION - CONTACT THE L.A. FOR SPECIFIC GUIDELINES. IF A SITE CONFLICT / POTENTIAL IS NOTED, NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO MATERIAL INSTALLATION. THE L.A. RESERVES THE RIGHT FOR MATERIAL RELOCATION IF THE INSTALLATION DOES NOT CORRESPOND TO THE PLANTING PLAN.
- THE LANDSCAPE CONTRACTOR AND/OR IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGED SITE UTILITIES, INFRASTRUCTURE, ETC. REPAIR / REPLACE SHALL BE A REQUIREMENT.
- VERIFY SITE REMOVALS, RELOCATIONS, AND/OR PROTECTED ITEMS PRIOR TO BID PREPARATION. THIS MAY INCLUDE BUT NOT BE LIMITED TO: SOD, SOIL, PLANT MATERIAL, STUMPS, ETC. THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO COMPLETE WORK AS OUTLINED WITH THE PLANTING PLAN(S), SPECIFICATIONS, AND NOTES.
- QUANTITIES AND SPECIFICATION ARE SUBJECT TO ADJUSTMENT, RELOCATION, AND/OR REMOVAL DURING OR AFTER THE INSTALLATION AND SUBSEQUENT APPROVAL PROCESS BY THE L.A.
- CONTRACTOR AND / OR LANDSCAPE CONTRACTOR SHALL REMOVE ALL PROHIBITED EXOTIC(S) OR NUISANCE PLANTS AND IT SHALL BE MAINTAINED FREE OF EXOTICS IN PERPETUITY AS DEFINED BY THE LOCAL AGENCY(IES) WHICH SHALL SUPERCEDE STATE REQUIREMENTS; HOWEVER, THE FLORIDA EXOTIC PEST PLANT COUNCIL (FLEPPC) AND/OR UF-IFAS STANDARDS SHALL BE USED AS A DATABASE TO JUSTIFY REMOVALS IF NO LOCAL ORDINANCE/CODE REQUIREMENT EXISTS.
- THE LANDSCAPE CONTRACTOR SHALL EXECUTE PRUNING VIA A CERTIFIED ARBORIST AND USING STANDARDS AS ESTABLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE. ALL PRUNING, UPON REQUEST, SHALL BE ADVISED BY THE L.A.
- TREES AND PALMS OVER 9' IN HEIGHT SHALL BE STAKED.
- THE LANDSCAPE CONTRACTOR AND/OR IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR:
 - PLANT WARRANTIES AND REPLACEMENTS, AS SPECIFIED WITHIN THEIR RESPECTIVE AGREEMENT(S)
 - PLANT MATERIAL MAINTENANCE UNTIL "SUBSTANTIAL COMPLETION"
 - PLANT MATERIAL PROTECTION ADEQUACY
 - SCOPE OF WORK VERIFICATION AND EXECUTION
 - COORDINATION OF ALL SUBCONTRACTOR(S)
 - THE OWNER / GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR: 1- PROVIDING FINAL GRADE, SITE ACCESS, SECURITY OF THE SITE 2- CONTRACT REVIEW AND ACCEPTANCE OF TERMS 3- PLANT / IRRIGATION MAINTENANCE COORDINATION 4- PAYMENT MILESTONES.
- IRRIGATION SYSTEM REQUIRES BACK FLOW PREVENTION. ASSURE EXISTING BACK FLOW PREVENTION IS FUNCTIONAL AND/OR INSTALL A NEW BACK FLOW PREVENTION PER COUNTY REQUIREMENTS. CONTRACTOR SHALL FIELD VERIFY SIZE AND LOCATION.
- SOIL IN LANDSCAPE AREAS SHALL BE UNIFORM QUALITY. FREE FROM HARD CLODS, STIFF CLAY, HARD PAN, SODS, PARTIALLY DISINTEGRATED STONE, LIME, CEMENT, ASHES, SLAG, CONCRETE, TAR RESIDUES, TARRED PAPER, BOARDS, CHIPS, STICKS OR ANY OTHER UNDESIRABLE MATERIAL. IN NO CASE SHALL THERE BE MORE THAN 5% BY VOLUME OF STONES, COARSE SAND, GRAVEL OR CLAY LUMPS LARGER THAN ONE INCH (1") IN DIAMETER.

GENERAL SDP NOTES:

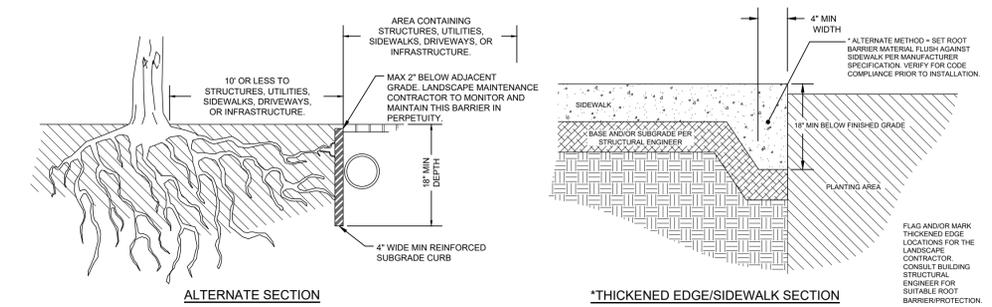
- ALL PLANT MATERIAL MUST BE FLORIDA NO. 1.
- MINIMUM 3" LAYER OF MULCH (AFTER WATERING IN) REQUIRED. 4' RADIUS TREE RING FROM TRUNK. NO CYPRESS MULCH.
- BERMS FOR GRASS STABILIZED: MAX. 4:1 SLOPE. FOR GROUND COVER STABILIZED: 3:1 MAX. WITH THE TOE OF THE SLOPE SET BACK 5' FOR THE EDGE OF R.O.W./PROPERTY LINES. BERMS ARE PERMITTED IN EASEMENTS PROVIDED WRITTEN APPROVAL RECEIVED FROM ALL INTERESTS UNDER SAID EASEMENT. BERMS ADJACENT TO I-75 HAVE EXEMPTIONS TO THESE REQUIREMENTS.
- STAKING RE-STAKED WITHIN 24 HOURS OF A BLOW OVER / STAKING FAILURE. REMOVE BETWEEN 6 AND 12 MONTHS AFTER PLANTING.
- LIGHT POLES MIN. 12' 5" FROM TREES.
- EASEMENTS WRITTEN PERMISSION MUST BE OBTAINED FOR ANY PLANTING.
- LIMEROCK SHALL BE EXCAVATED FROM PLANTING HOLES / PLANTING AREAS IN PARKING LOTS.
- MAINTENANCE SHALL ABIDE BY ALL CODES. REMOVALS SHALL BE VERIFIED WITH PERTINENT CODES, SURVEYS, PER MITS, ETC. PRIOR TO ACTION.
- IRRIGATION 100% COVERAGE REQUIRED. TIMERS WITH AUTOMATIC OVERRIDES FOR RAIN. SEPARATE ZONING IS REQUIRED FOR DIFFERENT WATER USE AREAS, AND WATERING WITHIN GUIDELINES ESTABLISHED BY THE SFWMD AND/OR LOCAL MUNICIPALITY.
- PLANTINGS MUST BE A MINIMUM OF 24" FROM THE BACK OF CURB.

IRRIGATION NOTES:

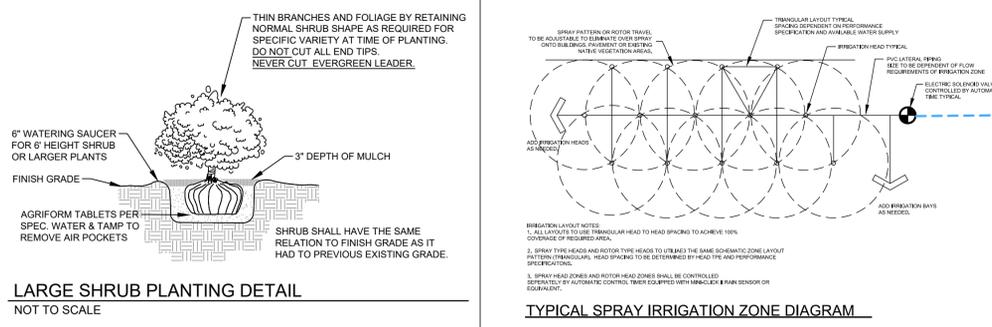
- THE SITE IS TO CONTAIN 100% IRRIGATION COVERAGE VIA AN EFFICIENT SYSTEM UTILIZING STANDARDS COMMON TO THE INDUSTRY.
- THE IRRIGATION SYSTEM IS TO BE CONTROLLED BY A RAIN AND/OR WIND SENSOR SWITCH CONNECTED TO THE SYSTEM CONTROLLER. THE LOCATION OF THE SYSTEM CONTROLLER IS TO BE VERIFIED AND COORDINATED AS NECESSARY TO PROVIDE ACCESS AND ELECTRICAL CONNECTION(S).
- VERIFY PUMP AND EQUIPMENT LOCATIONS WITH OWNER.
- IRRIGATION SLEEVING LOCATIONS INDICATED ARE DIAGRAMMATIC AND SERVE ONLY AS A GUIDE FOR INSTALLATION PURPOSES. IRRIGATION SLEEVING IS TO BE A MINIMUM OF SCHEDULE 40 PVC TWO TIMES THE SIZE OF IRRIGATION PIPE. THIS WORK IS TO BE COORDINATED BY THE GENERAL CONTRACTOR. SLEEVING SHALL BE CLEARLY MARKED, FLAGGED, OR OTHERWISE DELINEATED ABOVE GRADE TO AVOID DAMAGE AND PROVIDE EASE OF LOCATION FOR FUTURE USE. SLEEVING SHALL BE UTILIZED IN AREAS WHERE PIPING MUST CROSS A GREATER THAN 5" WIDTH, SUCH AS ROADS AND WALKS.
- IRRIGATION CONTRACTOR TO VERIFY ALL SLEEVING LOCATIONS WITH THE OWNER / DEVELOPER / GENERAL CONTRACTOR PRIOR TO INSTALLATION OF ALL SUBSURFACE AND PROPOSED IMPERVIOUS SURFACES. THIS IRRIGATION PLAN IS CONCEPTUAL FOR CODE MINIMUM PURPOSES AND WILL NEED FURTHER DETAILING UPON FINALIZING CONTRACTS FROM A SELECTED IRRIGATION DESIGNER / LANDSCAPE ARCHITECT OF CHOICE.
- AVOID OVERSPRAY ON PAVEMENT, BUILDINGS, ETC. UTILIZE PRESSURE-COMPENSATING HEADS FOR ELIMINATION OF AEROSOL SPRAY (THIS IS A STANDARD FEATURE OF INST. HUNTER SPRAY HEADS).
- THE DESIGN IS BASED UPON THE FOLLOWING OPERATING PARAMETERS: 60 GPM MAX. AND 40 PSI MIN.-60 PSI MAX.
- PIPE SIZING SHALL BE DETERMINED BY THE FRICTION LOSS METHOD AND WATER VELOCITY SHALL NOT EXCEED 5 CUBIC FEET PER SECOND.
- CONSTANT PRESSURE PIPING SHALL BE SCH 40 PVC.
- THE IRRIGATION CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS AND MATERIAL CUT SHEETS UPON INSTALLATION COMPLETION AND AS A TERM OF FINAL ACCEPTANCE. THIS COST SHALL BE ACCOMMODATED IN THE BID.
- ZONES SHALL BE MARKED IN THE CONTROLLER BOX AND CORRESPONDING VALVES SHALL HAVE AFFIXED TO THE VALVE COVER A WATERPROOF, FADE-RESISTANT TAG.
- VERIFY INSTALLATION AND PARTS WARRANTY PRIOR TO CONTRACT EXECUTION.
- IRRIGATION HEADS IN PLANTING BEDS SHALL BE 12" POP-UP MINIMUM AND 6" POP-UP MINIMUM IN SOD AREAS. RISERS, IF INSTALLED, SHALL BE BLACK PVC CONSISTENT WITH LATER PIPING. VERIFY REMAINING TYPE(S), IF NECESSARY. INSTALL QUICK COUPLERS AS REQUIRED OR AS NOTED.
- THIS SYSTEM SHALL BE AUTOMATED. PROVIDE A MOISTURE SENSING DEVICE, AND WILL AVOID THE APPLICATION (OR INDIRECT RUNOFF OF IRRIGATION WATER) OF WATER TO IMPERVIOUS AREAS.
- THIS SYSTEM SHALL UTILIZE BUBBLERS ON THE REQUIRED TREES.
- THE IRRIGATION METER IF REQUIRED SHALL BE SUPPLIED BY THE GENERAL CONTRACTOR.
- IRRIGATION SYSTEM REQUIRES BACK FLOW PREVENTION. ASSURE EXISTING BACK FLOW PREVENTION IS FUNCTIONAL AND/OR INSTALL A NEW BACK FLOW PREVENTION PER COUNTY REQUIREMENTS. CONTRACTOR SHALL FIELD VERIFY SIZE AND LOCATION.
- IRRIGATION LINES, HEADS, AND COMPONENTS SHALL NOT BE INSTALLED WITHIN THE ROW WITHOUT A COUNTY APPROVED LANDSCAPE MAINTENANCE AGREEMENT (LMA).
- PER DEPARTMENT OF HEALTH 64E-9.004 (E.) LANDSCAPE IRRIGATION WATER THAT WETS THE WET DECK AREA OF THE POOL, THE POOL ITSELF, ENTERS THE COLLECTOR TANK, OR WETS AN INTERACTIVE WATER FEATURE MUST BE POTABLE WATER FROM A PUBLIC WATER SYSTEM OR SHALL MEET THE BACTERIOLOGICAL QUALITY OF POTABLE WATER AS EVIDENCED BY ANNUAL LABORATORY ANALYSIS SUBMITTED TO THE DEPARTMENT. RECLAIMED WATER MAY NOT BE USED IN THESE AREAS. IF RECLAIMED WATER IS USED IN THE VICINITY OF THE POOL (INSIDE OF THE POOL FENCE OR WITHIN 100 FEET OF THE POOL WATER'S EDGE) IT MUST EMPLOY DRIP IRRIGATION OR SOAKER HOSES. SIGNS SHALL BE POSTED NOTIFYING POOL PATRONS THAT RECLAIMED WATER IS IN USE, AND IS NOT TO BE CONSUMED.
- ALL TURF AREAS CONSISTING OF ST. AUGUSTINE, ZOYSIA, OR BERMUUDA GRASS LABELED AS "SOD" SHALL BE IRRIGATED. ALL RETENTION, DETENTION, AND/OR AREAS LABELED AS "BAHIA" ON THE PLAN DO NOT REQUIRE IRRIGATION UNLESS OTHERWISE SPECIFIED.



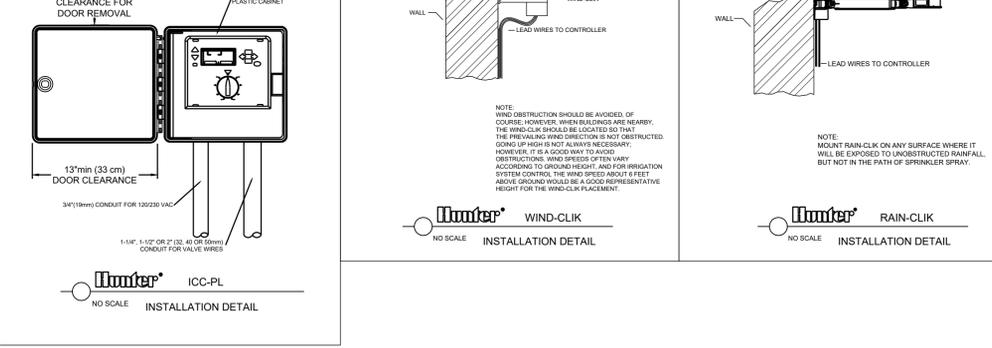
FPL - RIGHT TREE, RIGHT PLACE
NOT TO SCALE



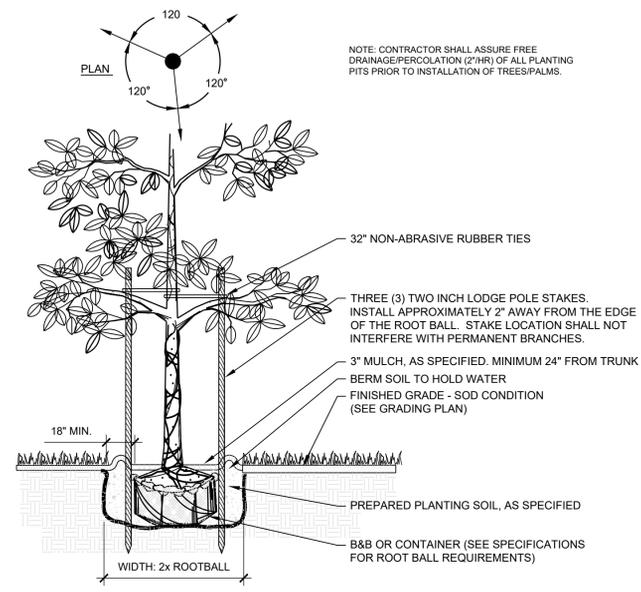
REQUIRED: ROOT BARRIER DETAIL
NOT TO SCALE



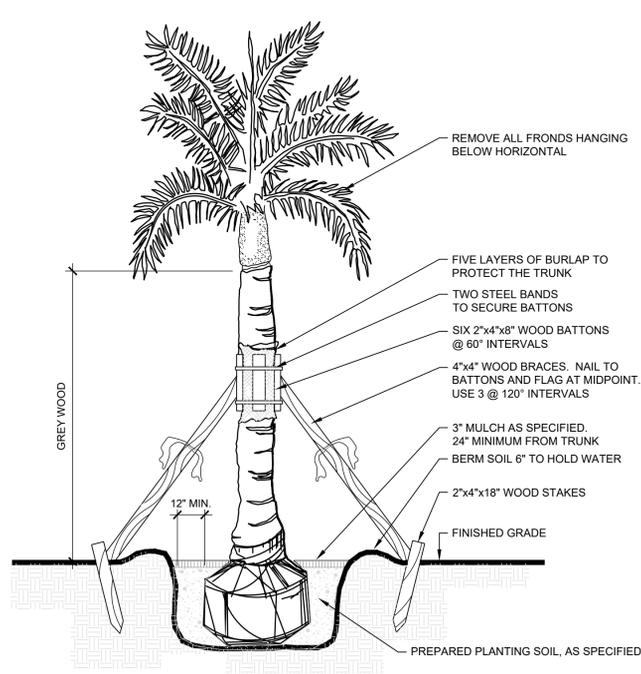
LARGE SHRUB PLANTING DETAIL
NOT TO SCALE



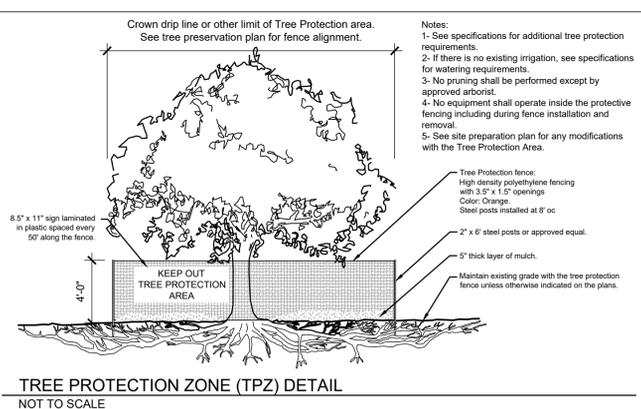
ICC-PL INSTALLATION DETAIL
WIND-CLIK INSTALLATION DETAIL
RAIN-CLIK INSTALLATION DETAIL



TREE STAKING - LODGE POLES (3)



PALM STAKING DETAIL



TREE PROTECTION ZONE (TPZ) DETAIL
NOT TO SCALE

NOTE: CONTRACTOR SHALL ASSURE FREE DRAINAGE/PERCOLATION (2"HR) OF ALL PLANTING PITS PRIOR TO INSTALLATION OF TREES/PALMS.

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Notes:
1- See specifications for additional tree protection requirements.
2- If there is no existing irrigation, see specifications for watering requirements.
3- No pruning shall be performed except by approved arborist.
4- No equipment shall operate inside the protective fencing including during fence installation and removal.
5- See site preparation plan for any modifications with the Tree Protection Area.

Tree Protection fence: High density polyethylene fencing with 3.5" x 1.5" openings. Color: Orange. Steel posts installed at 8' oc.
2" x 6" steel posts or approved equal.
3" thick layer of mulch.
Maintain existing grade with the tree protection fence unless otherwise indicated on the plans.

NOTE: CONTRACTOR SHALL ASSURE FREE DRAINAGE/PERCOLATION (2"HR) OF ALL PLANTING PITS PRIOR TO INSTALLATION OF TREES/PALMS.