

VILLAGE OF PALMETTO BAY

9705 EAST HIBISCUS STREET PALMETTO BAY. FLORIDA 33157

> MAYOR KARYN CUNNINGHAM

VICE MAYOR

COUNCIL MEMBER DISTRICT 1 PATRICK FIORE

COUNCIL MEMBER DISTRICT 2

COUNCIL MEMBER DISTRICT 3

VILLAGE MANAGER **NICK MARANO**

Kimley » Horn

LANDSCAPE ARCHITECT GEORGE PUIG, P.L.A KIMLEY-HORN AND ASSOCIATES, INC. 355 ALHAMBRA CIRCLE, SUITE 1400 FAX (305) 535-7760

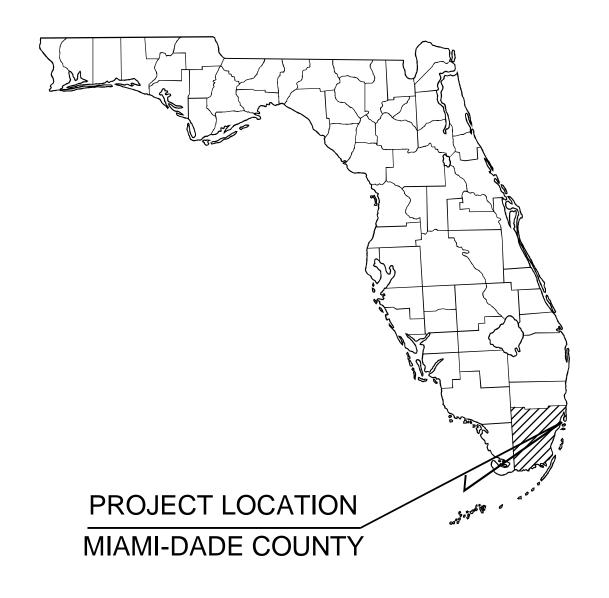
SR5/U.S. Route 1 (US 1)

Speed Limit at project area: 45 MPH Design Speed at project area: 45 MPH

VILLAGE OF PALMETTO BAY SR5/U.S. 1 MEDIANS

ROAD SECTION (87020000)

PROJECT 1 (439095-1-74-01) SW 168TH STREET (87000068) TO SW 152ND STREET (87039500) FEBRUARY, 2021



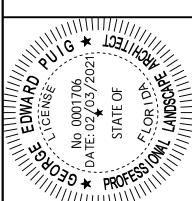
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GOVERNING STANDARDS AND SPECIFICATIONS: 2020 FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS, AND 2020 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 580 LANDSCAPE INSTALLATION, AND ANY APPLICABLE UPDATES.

NOT FOR CONSTRUCTION

PRIOR TO CONSTRUCTION COMMENCEMENT, CONTRACTOR IS TO PERFORM SITE RECONNAISSANCE TO DETERMINE AND NOTIFY ENGINEER WHICH COMPONENTS OF THESE PLANS ARE EXISTING AND COMPLY WITH INTENDED DESIGN. ENGINEER WILL DETERMINE WHICH COMPONENTS SHALL BE UTILIZED AS PART OF THE PROPOSED DESIGN. CONTRACTOR WILL ADJUST HIS BID

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY GEORGE E. PUIG, ON THE DATE ADJACENT TO THE SEAL PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



2. CONTRACTOR SHALL COORDINATE AND BE IN COMPLIANCE WITH ALL STATE AND LOCAL CODES AS WARRANTED.

3. ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND SPECIFICATIONS AND EXISTING SITE CONDITIONS OR ANY INCONSISTENCIES OR AMBIGUITIES IN DRAWINGS OR SPECIFICATIONS SHALL BE IMMEDIATELY REPORTED TO THE LANDSCAPE ARCHITECT, IN WRITING, WHO SHALL PROMPTLY ADDRESS SUCH INCONSISTENCIES OR AMBIGUITIES. WORK DONE BY THE CONTRACTOR AFTER HIS DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES, OR AMBIGUITIES SHALL BE PERFORMED AT THE CONTRACTOR'S RISK.

4. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER OR THE LANDSCAPE ARCHITECT MAY BE CAUSE FOR THE WORK TO BE DESIGNATED UNACCEPTABLE.

5. THE CONTRACTOR ACKNOWLEDGES & AGREES THAT THE WORK IS ENTIRELY AT HIS RISK UNTIL SITE IS ACCEPTED, AND HE WILL BE HELD RESPONSIBLE FOR ITS SAFETY BY THE OWNER.

6. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE DAMAGE OR LOSS OF ANY REFERENCE POINTS AND HUBS DURING THE CONSTRUCTION OF HIS WORK, AND SHALL BEAR THE COST OF REPLACING SAME.

7. THE CONTRACTOR IS RESPONSIBLE FOR HORIZONTALLY AND VERTICALLY LOCATING AND PROTECTING ALL PUBLIC AND PRIVATE UTILITIES WHICH LIE IN OR ADJACENT TO THE CONSTRUCTION SITE AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY (CALL SUNSHINE DIG/CALL —

8. THE CONTRACTOR SHALL REPAIR, AT HIS OWN EXPENSE, ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.

9. ANY FOREIGN ITEM FOUND DURING CONSTRUCTION IS THE PROPERTY OF THE OWNER. THIS INCLUDES, BUT IS NOT LIMITED TO, PRECIOUS METALS, COINS, PAPER CURRENCY, ARTIFACTS AND ANTIQUITIES.

10. ALL SURPLUS EXCAVATION SHALL BE HAULED BY THE PERMITTEE, AT THEIR COST AND EXPENSE, FROM THE SITE TO THE MIAMI DADE OPERATIONS CENTER.

11. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND/OR OBTAINING ALL REQUIRED PERMITS AND APPROVALS PRIOR TO COMMENCING CONSTRUCTION.

12. CONTRACTOR IS TO MAINTAIN CONTROLLED PEDESTRIAN AND ADA ACCESS THROUGH ALL AREAS OF THE SITE THROUGHOUT CONSTRUCTION PERIOD.

13. MAINTAIN THE SITE IN A NEAT AND ORDERLY CONDITION AT ALL TIMES. DAILY, AND MORE OFTEN IF NECESSARY, INSPECT & PICK UP/REMOVE ALL SCRAP, DEBRIS, & WASTE MATERIAL.

14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL MUD, DIRT, GRAVEL AND OTHER MATERIALS TRACKED ONTO ANY PRIVATE OR PUBLIC STREETS OR SIDEWALKS. THE CONTRACTOR MUST CLEAN THESE DAILY, IF NECESSARY. THE CONTRACTOR MUST USE WATER OR OTHER ACCEPTABLE METHODS TO KEEP AIRBORNE DUST TO A REQUIRED MINIMUM.

15. PROVIDE PROTECTION TO ALL FINISHED WORK. MAINTAIN SURFACES CLEAN, UNMARRED, AND SUITABLY PROTECTED UNTIL ACCEPTANCE BY OWNER.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITY TO EXISTING ELEMENTS THAT ARE TO REMAIN

17. NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT WILL BE ALLOWED WITHIN THE PERRINE WAYSIDE PARK OR PALMETTO BAY PARK PROPERTIES.

18. THE CONTRACTOR SHALL REVIEW ENVIRONMENTAL REQUIREMENTS OF ANY PROPOSED STAGING AREAS WITH THE PROJECT ENGINEER AT SEVENTY-TWO (72) HOURS PRIOR TO USE.

19. ANY MATERIAL TO BE STOCKPILED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES. COST TO BE INCLUDED IN THE RELATED BID ITEM.

20. THE FOLLOWING FEDERAL AND STATE LISTED ANIMAL SPECIES COULD INHABIT OR MIGRATE THROUGH THE PROJECT CORRIDOR: FLORIDA BONNETED BAT (ENDANGERED), AMERICAN CROCODILE (THREATENED), WOOD STORK (THREATENED).

21. ACCESS TO THE SOUTH DADE TRAIL MUST BE MAINTAINED AT ALL TIMES.

22. NO STAGING OR OTHER ACTIVITIES WILL BE ALLOWED WITHIN OR ADJACENT TO THE ROCKDALE PINELAND PRESERVE, LOCATED ALONG THE NORTHWEST SIDE OF SR5/US1/S DIXIE HIGHWAY FROM SW 152ND STREET TO SW 144TH STREET, ADJACENT TO PERRINE WAYSIDE PARK LOCATED AT 16425 S DIXIE HIGHWAY, AND PALMETTO GOLF COURSE LOCATED AT 9300 SW 152ND STREET, OR THE CUTLER DRAIN CANAL.

23. ALL LANDSCAPING TO BE MAINTAINED IN COMPLIANCE WITH THE FDOT MAINTENANCE RATING PROGRAM.

24. ALL LANDSCAPE IN THE GROUNDCOVER ONLY ZONE SHALL PRESERVE CLEAR SIGHT ALONG THE SIGHT—LINE DATUM, PER FDOT DESIGN MANUAL.

25. THE CONTRACTOR SHALL ENSURE APPROPRIATE EROSION CONTROL DEVICES ARE IN PLACE BEFORE ANY CONSTRUCTION BEGINS AND ARE USED THROUGHOUT THE DURATION OF CONSTRUCTION.

26. THE CONTRACTOR MUST COMPLY WITH ALL SPECIAL PROVISIONS GOVERNING THE PERMIT, A COPY OF THIS PERMIT AND PLANS WILL BE ON THE JOB SITE AT ALL TIMES DURING THE CONSTRUCTION OF THIS FACILITY, ALSO NOTIFY FDOT REPRESENTATIVE 48HRS BEFORE WORK BEGINS.

27. THE CONTRACTOR SHALL COMPLY WITH MOT STANDARD INDEX # 616 FOR ALL WORK WITHIN 2'OF EDGE OF PAVEMENT.

28. DAMAGED PAVEMENT WILL BE RESTORED AT THE CONTRACTOR'S EXPENSE AND WILL BE IN FULL LANE WIDTHS WITH THE SAME TYPE ASPHALT.

29. DAMAGED THERMOPLASTIC AND RPM'S WILL BE RESTORED AT THE CONTRACTOR'S EXPENSE.

30. THE CONTRACTOR SHALL COORDINATE ALL FINAL RESTORATION WITH THE DEPARTMENT REPRESENTATIVE. ALL PORTIONS OF THE STATE RIGHT—OF WAY SHALL BE RESTORED WITHIN THIRTY (30) DAYS UPON COMPLETION OF THE PERMITTED INSTALLATION.

31. FINAL INSPECTION OF WORK: UPON COMPLETION OF WORK, THE CONTRACTOR IN COORDINATION WITH THE UAO SHALL BE RESPONSIBLE TO PROVIDE THE CLIENT ALL MATERIAL CERTIFICATIONS, TEST RESULTS, BORE LOGS, APPROVED PLANS CHANGES, OR OTHER DOCUMENTATION AS REQUIRED AS A CONDITION OF PERMIT APPROVAL (2017 UAM 2.11). UPON RECEIPT OF THE ABOVE INFORMATION, THE CLIENT SHALL PROVIDE ALL DOCUMENTATION TO FDOT FOR FINAL INSPECTION OF

32. IN THE EVENT THAT THE SIDEWALK IS DAMAGED, THE CONTRACTOR SHALL BE RESTORE WITH FULL 4 INCH THICK FLAGS WITH EXPANSION MATERIAL AND DETECTABLE DOMES FOR HANDICAP RAMPS ACCORDING TO THE F.D.O.T. STANDARD PLANS -INDICES 520-001, 522-001, AND 522-002 (CURRENT EDITION) AND CONSTRUCTED ACCORDING TO THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION -SECTION 522.

MAINTENANCE OF TRAFFIC NOTES:

- 1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE VILLAGE OF PALMETTO BAY CODE OF ORDINANCES AS PERTAINS TO MAINTENANCE OF TRAFFIC, THE CURRENT EDITIONS OF THE FLORIDA DOT STANDARD PLANS (102 SERIES), THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS MINIMUM CRITERIA
- 2. THE CONTRACTOR SHALL DEVELOP MAINTENANCE OF TRAFFIC PLAN OF HIS OWN, MEETING THE REQUIREMENTS SPECIFIED IN THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION AND THE FDOT STANDARD DRAWINGS 102 SERIES. PER THE CONDITIONS OF THE FDOT LANDSCAPE ROW PERMIT, STANDARD DRAWINGS 102-600, 102-613, 102-616, AND 102-660 ARE TO BE ADHERED TO FOR THIS PROJECT.

 CONTRACTOR TO SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH FDOT SPECIFICATIONS FOR FDOT
- 3. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES THAT DEVELOP WITHIN THE PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLD MIX ON THE PROJECT SITE TO EXPEDITE THOSE REPAIRS.
- 4. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED IN ADVANCE OF CLOSURE OR DETOUR BY COORDINATING WITH THE VILLAGE OF PALMETTO BAY AND FDOT, PER THE CONDITIONS OF THE NOTES LISTED AT THE RIGHT.
- 5. THE CONTRACTOR SHALL NOTIFY LAW ENFORCEMENT AND FIRE PROTECTION SERVICES TWENTY-FOUR (24) HOURS IN ADVANCE OF A DETOUR IN ACCORDANCE WITH SECTION 336.07 OF THE FLORIDA STATUTES.
- 6. AT THE DISCRETION OF THE VILLAGE ENGINEER, IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR DELAY, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME THAT THE TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.
- 7. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
- 8. LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DAYS/NIGHTS. NO INTERRUPTION TO TRAFFIC IS PERMITTED FROM MONDAY-FRIDAY 7-9 A.M. AND 4-6 P.M. OR ON WEEKENDS AND HOLIDAYS.
- 9. REGULATORY SPEED ESTABLISHED WITHIN THE WORK ZONE TRAVEL WAYS SHALL BE 35MPH, ESTABLISHED BY INDEX 102-600. REDUCED SPEED SIGNS SHALL BE INSTALLED ON SEPARATE POSTS FROM REGULATORY SPEED SIGNS IN ACCORDANCE WITH THE STANDARD INDEXES.
- 10. CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE PROPERTY DURING ALL PHASES OF CONSTRUCTION. LOCAL RESIDENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE GIVEN ACCESS TO THEIR PROPERTY DURING ALL PHASES OF CONSTRUCTION. LOCAL RESIDENTS INCLUDE ALL COMMERCIAL ESTABLISHMENTS AND BUSINESSES.
- 11. SIGNS ARE TO BE LOCATED BEFORE EACH BUSINESS OR SHOPPING PLAZA ENTRANCE WHERE CONSTRUCTION NEGATIVELY IMPACTS THE ACCESS TO THE BUSINESS OR SHOPPING PLAZA OR AS DIRECTED BY THE ENGINEER. TWO SIGNS WILL TYPICALLY BE REQUIRED AT EACH ENTRANCE. SIGNS ARE TO BE DISPLAYED AS DESCRIBED IN INDEX 102-600 OF THE ROADWAY AND TRAFFIC STANDARD PLANS.
- 12. AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE. COST OF COVERING AND UNCOVERING THE SIGNS SHALL BE INCLUDED IN THE BASE BID.
- 13. CONTRACTOR SHALL REMOVE, RELOCATE, OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY REMOVING, RELOCATING, COVERING, AND RESTORING THE SIGNS SHALL BE INCLUDED IN THE BASE
- 14. EACH EXISTING STREET NAME AND TRAFFIC SIGN AFFECTED BY CONSTRUCTION SHALL BE RELOCATED AND MAINTAINED IN AN APPROPRIATE LOCATION FOR THE DURATION OF THE PROJECT. WHEN NO LONGER AFFECTED BY CONSTRUCTION, THESE SIGNS SHALL BE RESTORED IN THEIR ORIGINAL POSITION. COST OF TEMPORARILY RELOCATING AND RESTORING THE SIGNS SHALL BE INCLUDED IN THE BASE BID.
- 15. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORM WATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC IN A MANNER APPROVED BY THE ENGINEER. COST FOR REMOVING THE WATER SHALL BE INCLUDED IN THE BASE BID.
- 16. FOR DROP-OFF, THE CONTRACTOR'S ATTENTION IS DIRECTED TO FDOT STANDARD INDEX NO. 102-600. THE CONTRACTOR SHALL USE SHOULDER TREATMENT DETAIL WHEN NO BARRIERS ARE REQUIRED IN THE PLANS.
- 17. TRAFFIC SHALL BE MAINTAINED ON A PAVED, DUST-FREE SURFACE AT ALL TIMES.
- 18. ALL LANES OPEN TO TRAFFIC SHALL BE A MINIMUM OF 10' IN WIDTH.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING DETAILED LANE CLOSURE FORM AND RECEIVING DEPARTMENT APPROVAL AT LEAST 2 WEEKS PRIOR TO BEGINNING WORK.

- 19. PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAFFIC SHALL BE MAINTAINED AND GUIDED USING A LONGITUDINAL CHANNELIZING DEVICE AND APPROVED WARNING LIGHTS, SIGNING, AND DELINEATION DEVICES ON AT LEAST ONE SIDE OF THE PROJECT AT ALL TIMES THROUGHOUT THE PROJECT LIMITS. THE TRAVEL PATH SHALL BE A MINIMUM OF 4 FT. WIDE WITH A SMOOTH SURFACE THAT IS NOT SLICK AND IT SHOULD BE RAMPED AS NECESSARY FOR CONTINUITY. ADHERE TO STANDARD PLAN 102-660.
- 20. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE EROSION CONTROL MEASURES TO PREVENT CLOG OF PROPOSED DRAINAGE STRUCTURES AND SEDIMENT INTRUSION ON WATERWAYS DURING CONSTRUCTION. THESE MEASURES SHALL BE APPROVED BY THE VILLAGE ENGINEER AND CONFORM WITH CURRENT EDITION OF THE FDOT STANDARD PLANS FOR EROSION CONTROL (INDEX 570-001).
- 21. CONTRACTOR MUST MAINTAIN DRAINAGE AT ALL TIMES. THE EXISTING DRAINAGE SYSTEM SHALL BE KEPT OPERATIONAL OR TEMPORARY DRAINAGE PROVIDED WHILE THE PROPOSED DRAINAGE SYSTEM IS BEING CONSTRUCTED. THE CONTRACTOR SHALL PROVIDE THE NECESSARY TEMPORARY DRAINAGE AS APPROVED BY THE ENGINEER. ALL COSTS SHALL BE INCLUDED IN THE BASE BID.
- 22. THE CONTRACTOR SHALL FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)
 AS DIRECTED BY THE CITY ENGINEER. MESSAGES FOR THE PCMS SHALL BE AS DIRECTED BY THE
 VILLAGE ENGINEER. THE PCMS SHALL BE IN PLACE ONE WEEK BEFORE THE START OF ANY WORK
 ITEMS AFFECTING THE EXISTING VEHICULAR AND PEDESTRIAN TRAFFIC. PCMS INSTALLATION,
 OPERATION, AND REMOVAL TO BE INCLUDED IN THE BASE BID.
- 23. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING BUSINESSES AT LEAST 20 WORKING DAYS PRIOR TO COMMENCING ANY WORK ON THE ROAD IN THE VICINITY OF THE BUSINESS OR ANY ROAD THAT IS USED TO ACCESS THE BUSINESS.

DEMOLITION NOTES:

- 1. ALL WORK SHALL BE CONFINED TO LIMITS OF CONSTRUCTION AS SHOWN ON PLANS.
- 2. ALL AREAS OUTSIDE THE LIMITS OF CONSTRUCTION LINE OR TREE PROTECTION FENCE SHALL NOT BE CROSSED BY HEAVY EQUIPMENT OR USED FOR STORING ANY EQUIPMENT OR MATERIALS.
- 3. ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND SPECIFICATIONS AND EXISTING SITE CONDITIONS OR ANY INCONSISTENCIES OR AMBIGUITIES IN DRAWINGS OR SPECIFICATIONS SHALL BE IMMEDIATELY REPORTED TO THE OWNER'S REPRESENTATIVE, IN WRITING, WHO SHALL PROMPTLY ADDRESS SUCH INCONSISTENCIES OR AMBIGUITIES. WORK DONE BY THE CONTRACTOR AFTER HIS DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES, OR AMBIGUITIES SHALL BE PERFORMED AT THE CONTRACTOR'S RISK.
- 4. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER, HIS/ HER REPRESENTATIVE, OR THE LANDSCAPE ARCHITECT MAY BE CAUSE FOR THE WORK TO BE DESIGNATED UNACCEPTABLE.
- 5. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER AND LANDSCAPE ARCHITECT ANY UNFORESEEN OR ADVERSE CONDITIONS DISCOVERED DURING DEMOLITION OPERATIONS.
- 6. ALL VOIDS CREATED BY THE REMOVAL OF EXOTIC PLANT REMOVAL OPERATIONS SHALL BE BACKFILLED WITH MULCH. REPLACEMENT PLANTINGS ARE SHOWN ON THE PLANTING
- 7. CONTRACTOR SHALL COORDINATE MATERIALS STORAGE AT THE PRECONSTRUCTION MEETING.
- 8. ALL DEMOLITION DEBRIS, REFUSE, AND OTHER EXCESS MATERIAL SHALL BE HAULED OFF—SITE AS DIRECTED BY THE OWNER AND PROPERLY DISPOSED OF IN A LEGAL MANNER. THE CONTRACTOR SHALL COORDINATE AND BE RESPONSIBLE FOR THE STAGING AND REMOVAL OF ALL DEMOLITION ITEMS.
- 9. ALL EROSION CONTROL SEDIMENT BARRIERS, SILT FENCES, AND TREE PROTECTION DEVICES SHALL BE INSTALLED PRIOR TO STARTING CLEARING AND GRUBBING OPERATIONS.
- 10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL MUD, DIRT, GRAVEL AND OTHER MATERIALS TRACKED ONTO ANY PUBLIC FACILITY OR ROADWAY ACCESSED FOR OPERATIONS DESCRIBED WITHIN THIS CONTRACT. THE CONTRACTOR MUST CLEAN THESE DAILY, IF NECESSARY.
- 11. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR TO PROTECT EXISTING TREES TO REMAIN. THIS EFFORT SHALL INCLUDE, BUT IS NOT LIMITED TO INSTALLING TREE PROTECTION FENCING (PER PLANS) AROUND TREES WITHIN THE AREAS OF CONSTRUCTION ACTIVITY AND ALSO REFRAINING FROM PARKING ANY VEHICLES OR EQUIPMENT WITHIN THE DRIPLINE OF TREES.
- 12. ALL INVASIVE SPECIES, AS LISTED IN THE FLORIDA NOXIOUS WEED LIST, REGULATED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES (DACS), SHALL BE REMOVED FROM THE PROJECT SITE, AS DESIGNATED ON THIS PLAN. ALL NOXIOUS PLANTS SHALL BE CUT TO THE GROUND AND TREATED WITH APPROVED HERBICIDE
- 13. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND/OR OBTAINING ALL REQUIRED PERMITS AND APPROVALS PRIOR TO COMMENCING CONSTRUCTION.
- 14. CONTRACTOR SHALL TAG TREES AND PLANTS TO REMAIN AS DESCRIBED IN THIS PLAN.
 TAGGED PLANTS SHALL BE FIELD—INSPECTED FOR APPROVAL BY OWNERS
 REPRESENTATIVE PRIOR TO COMMENCING WITH EXOTIC REMOVAL OPERATIONS.

KHA PROJECT
04469016

DATE
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FEB 2021

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BEAUTIFICATION
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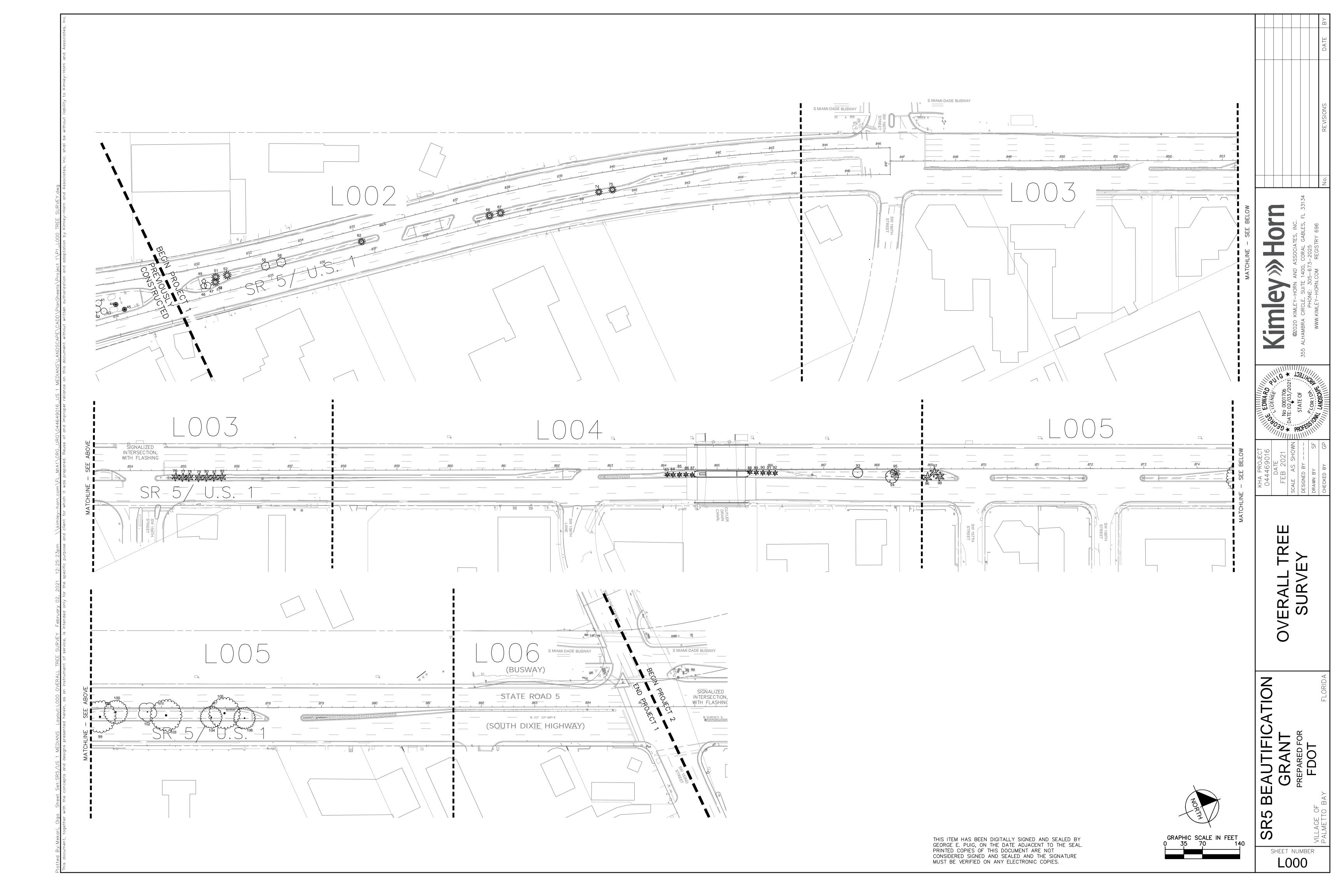
SHEET NUMBER

CALL 2 WORKING DAYS
BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

Know what's below.
Call before you dig.

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PLANT KEY ALEXANDER PALM WASHINGTONIA PALM " ▶) WILD TAMARIND • } BLACK OLIVE YELLOW TABEBUIA FLORIDA THATCH PALM • } GEIGER TREE • description of the second of • GUMBO LIMBO JATROPHA •) JACARANDA

No	Botanical Name	Common Name	DBH/CT	HT	SPR	Conditions
46	Cordia sebestena	Orange Geiger Tree	5	15	10	Moderate
47	Cordia sebestena	Orange Geiger Tree	4 18		12	Moderate
48	Veitchia montgomeryana	Montgomery Palm	7	14	16	Good
49	Cordia sebestena	Orange Geiger Tree	1	7	7	Moderate
51	Veitchia montgomeryana	Montgomery Palm	7	13	16	Good
52	Veitchia montgomeryana	Montgomery Palm	7	13	16	Good
55	Jatropha integerrima	Jatropha	4	10	16	Good
56	Jatropha integerrima	Jatropha	4	9	18	Good
62	Veitchia montgomeryana	nia montgomeryana Montgomery Palm		14	14	Moderate
66	Veitchia montgomeryana	Montgomery Palm	5	11	16	Moderate
67	Veitchia montgomeryana	itchia montgomeryana Montgomery Palm		9	16	Moderate
74	Veitchia montgomeryana	Montgomery Palm	5	11	14	Moderate
75	Veitchia montgomeryana	Montgomery Palm	6	8	15	Poor
76	Washingtonia filifera	Washingtonia Palm	13	50	16	Good
77	Washingtonia filifera	Washingtonia Palm	13	45	16	Good
78	Washingtonia filifera	Washingtonia Palm	14	40	16	Good
79	Washingtonia filifera	Washingtonia Palm	15	30	16	Moderate
80	Washingtonia filifera	Washingtonia Palm	14	30	16	Good
81	Washingtonia filifera	Washingtonia Palm	14	35	16	Good
82	Washingtonia filifera	Washingtonia Palm	13	30	16	Good
83	Thrinax radiata	Florida Thatch Palm	4	25	10	Good
84	Thrinax radiata	Florida Thatch Palm	5	23	10	Good
85	Thrinax radiata	Florida Thatch Palm	4	20	10	Good
86	Thrinax radiata	Florida Thatch Palm	4	20	10	Good
87	Thrinax radiata	Florida Thatch Palm	4	20	10	Good
88	Thrinax radiata	Florida Thatch Palm	4	22	10	Good
89	Thrinax radiata	Florida Thatch Palm	4	20	10	Good
90	Thrinax radiata	Florida Thatch Palm	5	20	10	Good
91	Thrinax radiata	Florida Thatch Palm	4	20	10	Good
92	Thrinax radiata	Florida Thatch Palm	4	20	10	Good
93	Tabebuia heterophylla	Pink Tabebuia	12	25	20	Moderate
94	Tabebuia heterophylla	Pink Tabebuia	12	25	25	Moderate
95	Sabal palmetto	Sabal Palm	14	15	20	Good
96	Washingtonia filifera	Washingtonia Palm	15	45	18	Good
97	Washingtonia filifera	Washingtonia Palm	15	45	18	Poor
98	Washingtonia filifera	Washingtonia Palm	15	45	18	Good
99	Bucidia buceras	Black Olive	22	40	62	Good
100	Swietenia mahagoni	Mahogany	21	45	45	Moderate
102	Jacaranda mimosifolia	Jacaranda	15	22	38	Moderate
103	Bucidia buceras	Black Olive	24	40	60	Moderate
104	Swietenia mahagoni	Mahogany	21	30	42	Poor
105	Bucidia buceras	Black Olive	25	40	60	Moderate
106	Swietenia mahagoni	Mahogany	37	40	42	Poor

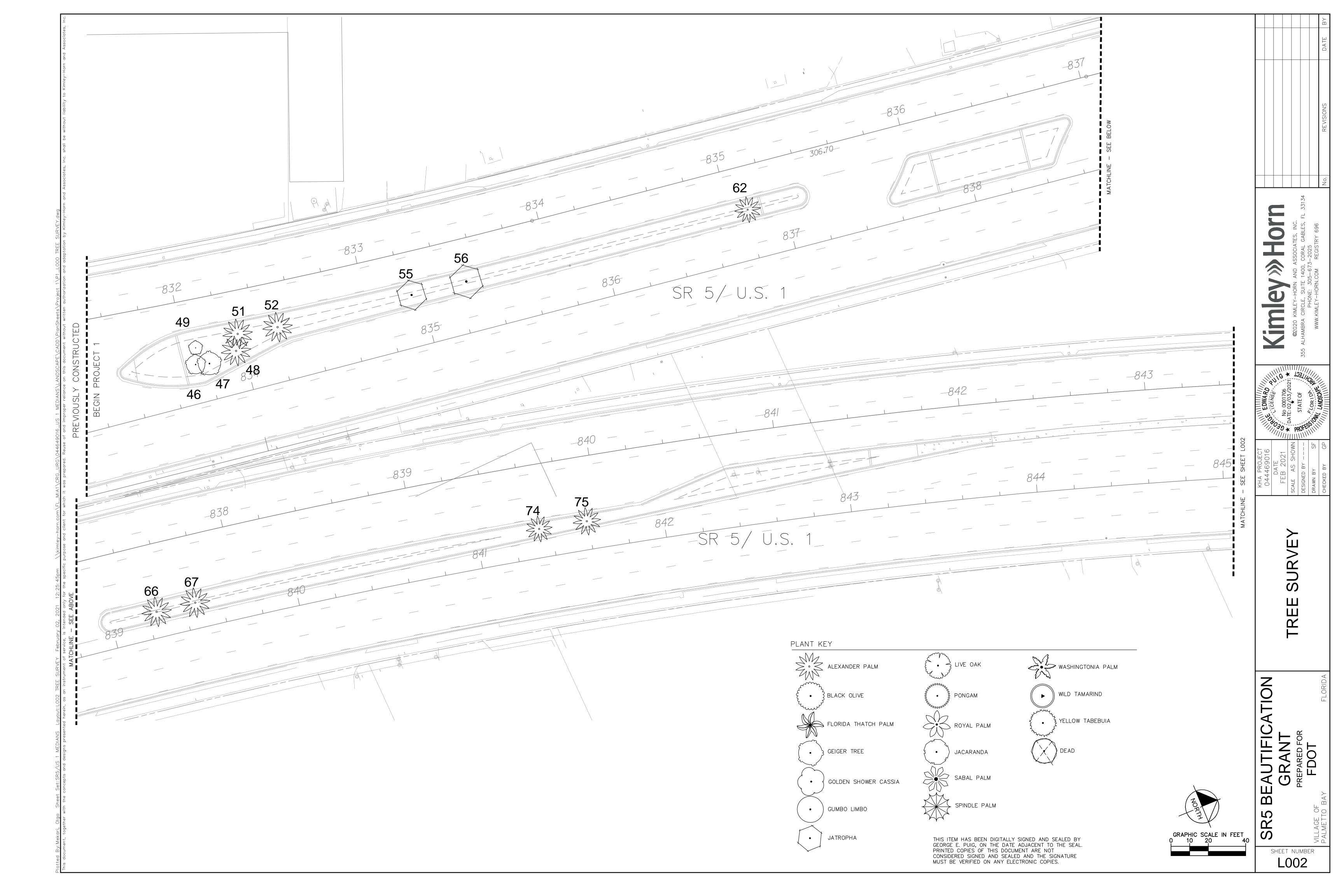


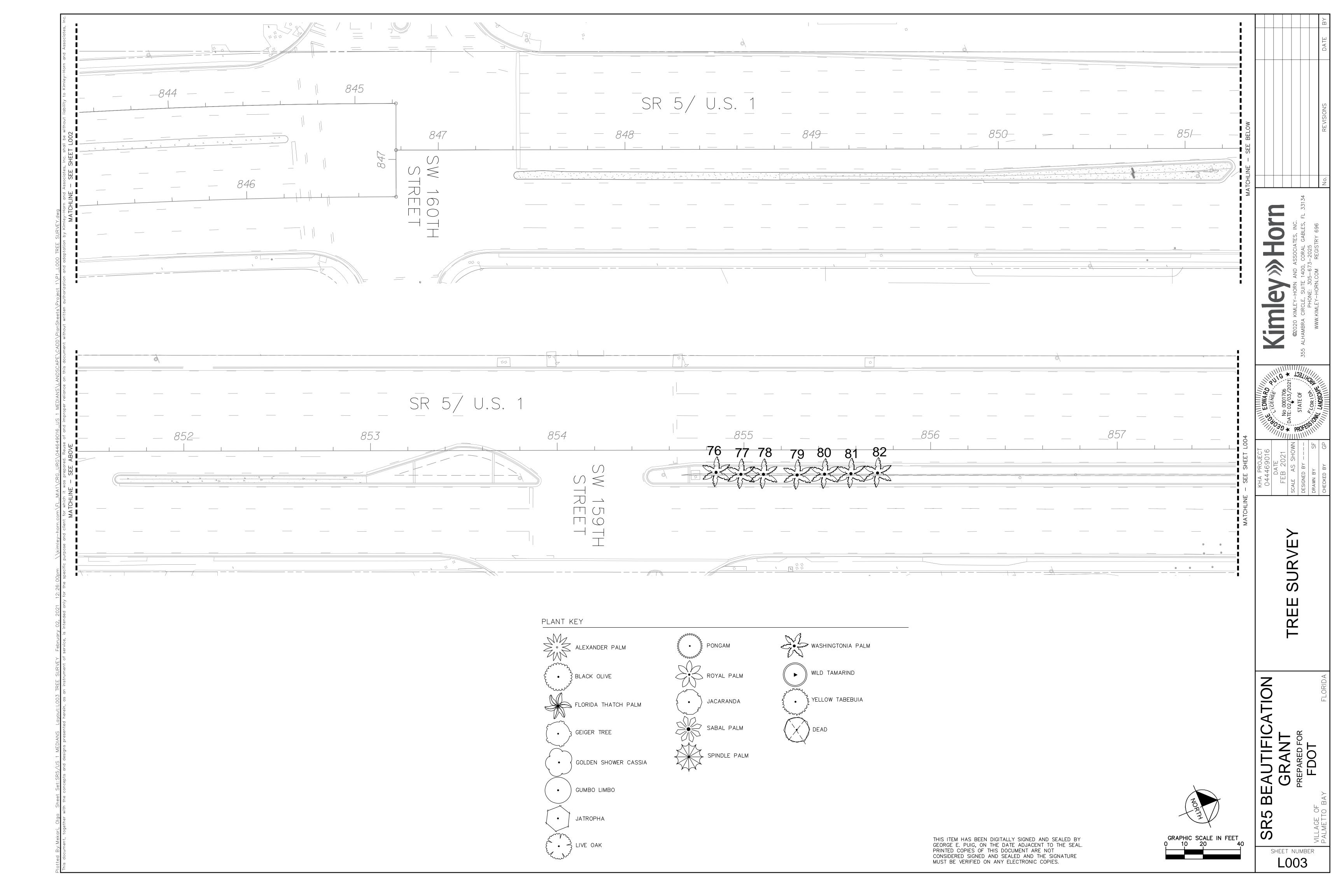
TREE SURVEY SCHEDULE

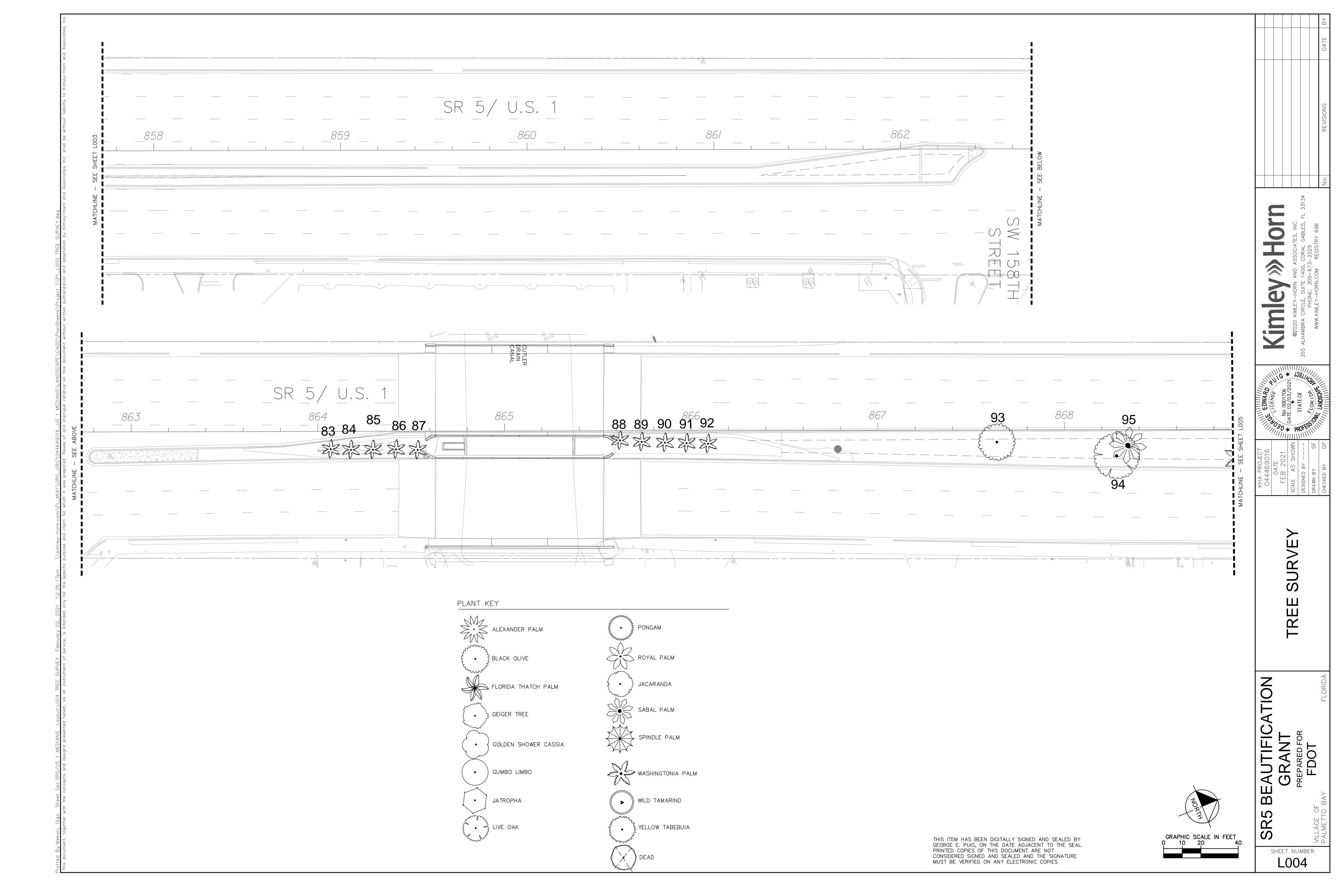
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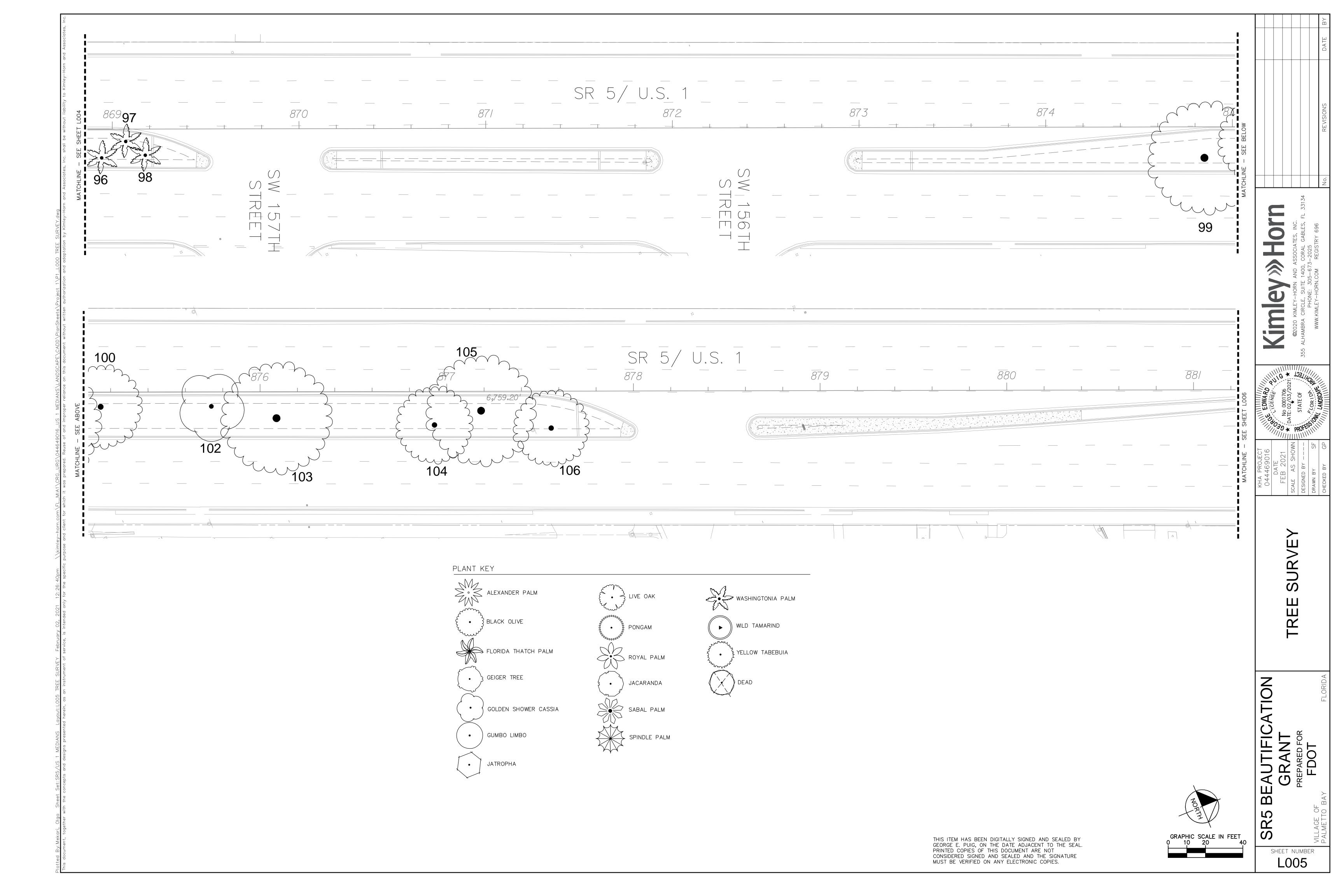
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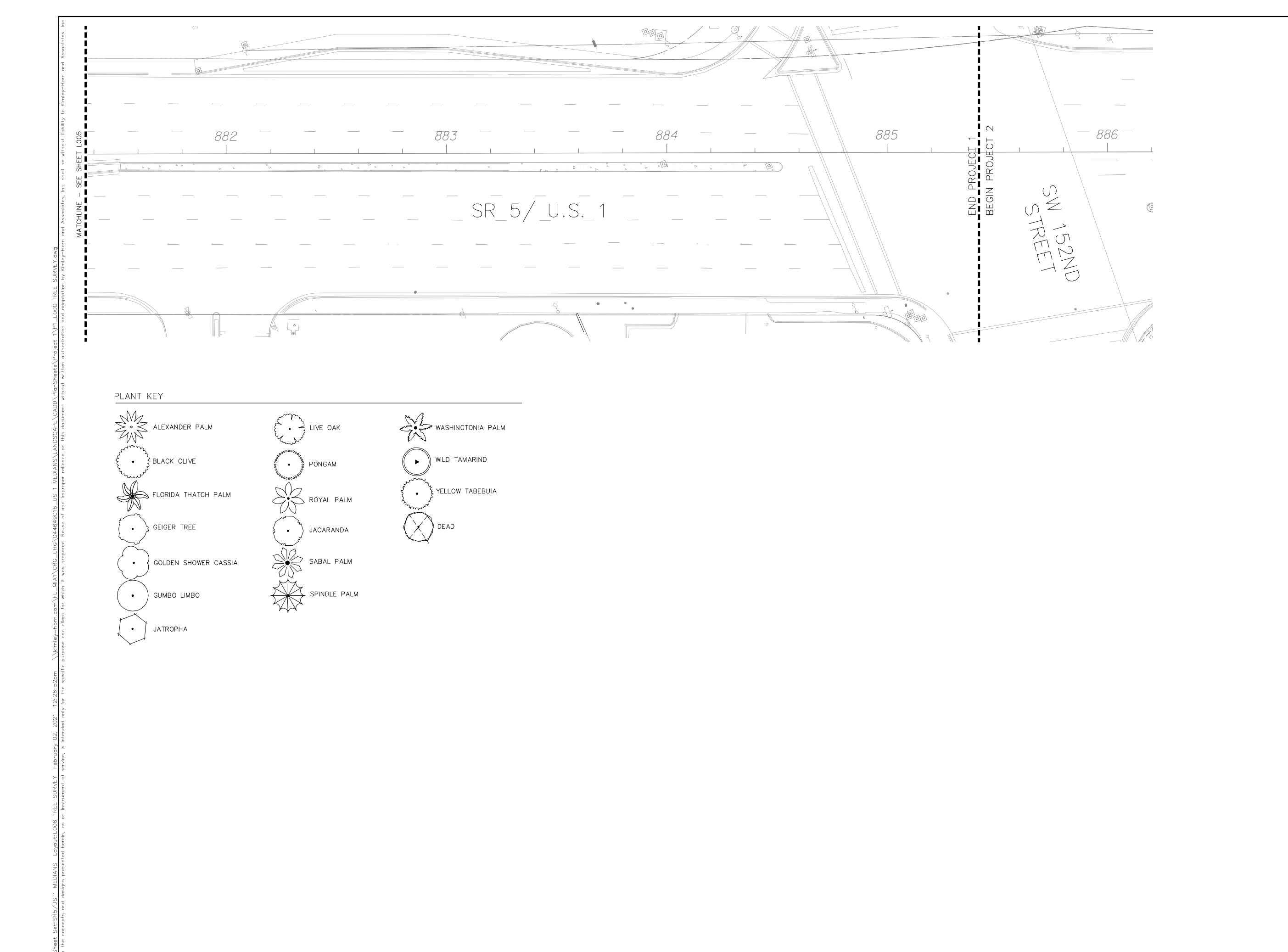
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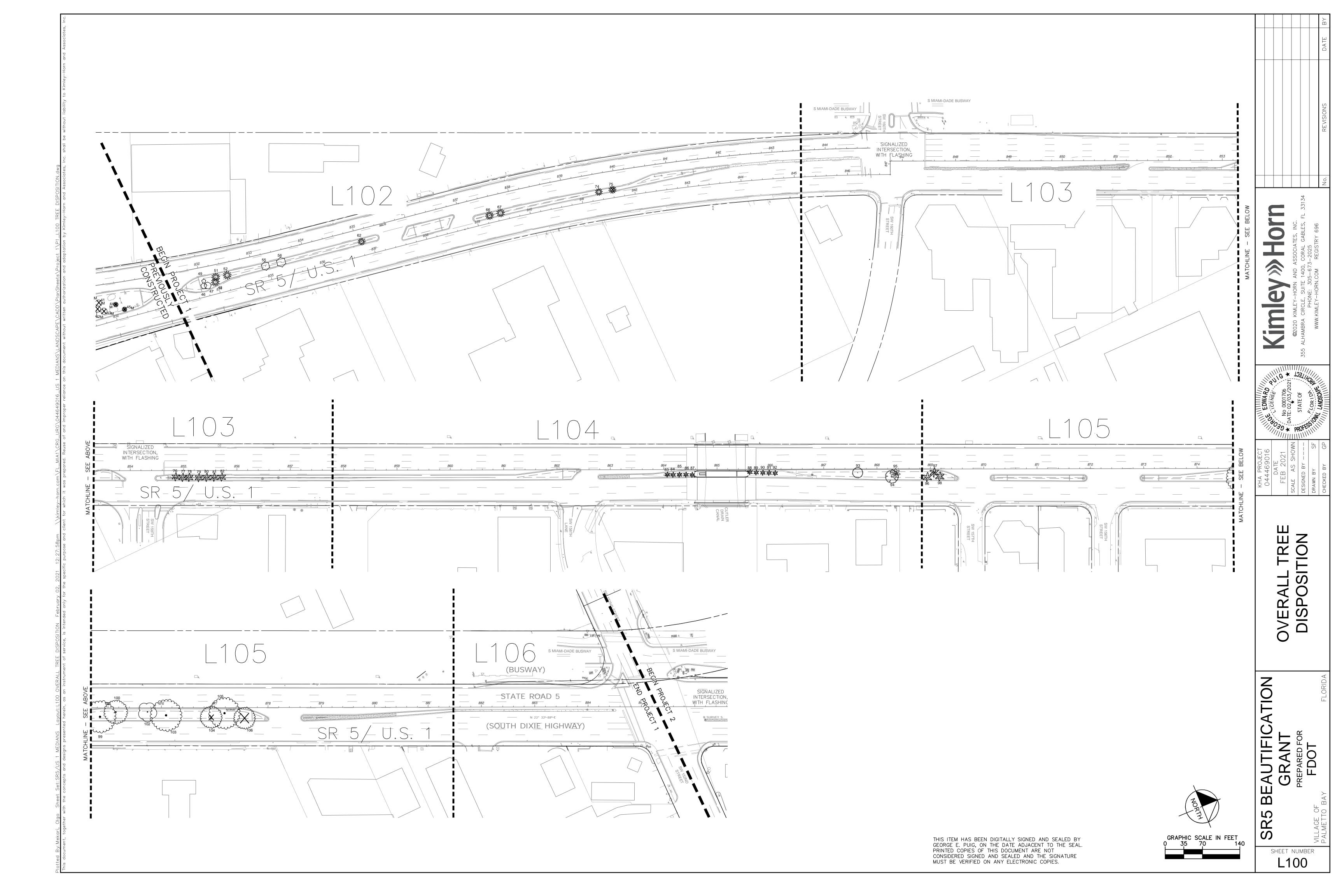
SURVE

TREE

SR5 BEAUTIFICA
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PREPARED FOR
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SHEET NUMBER

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X TREE TO BE REMOVED

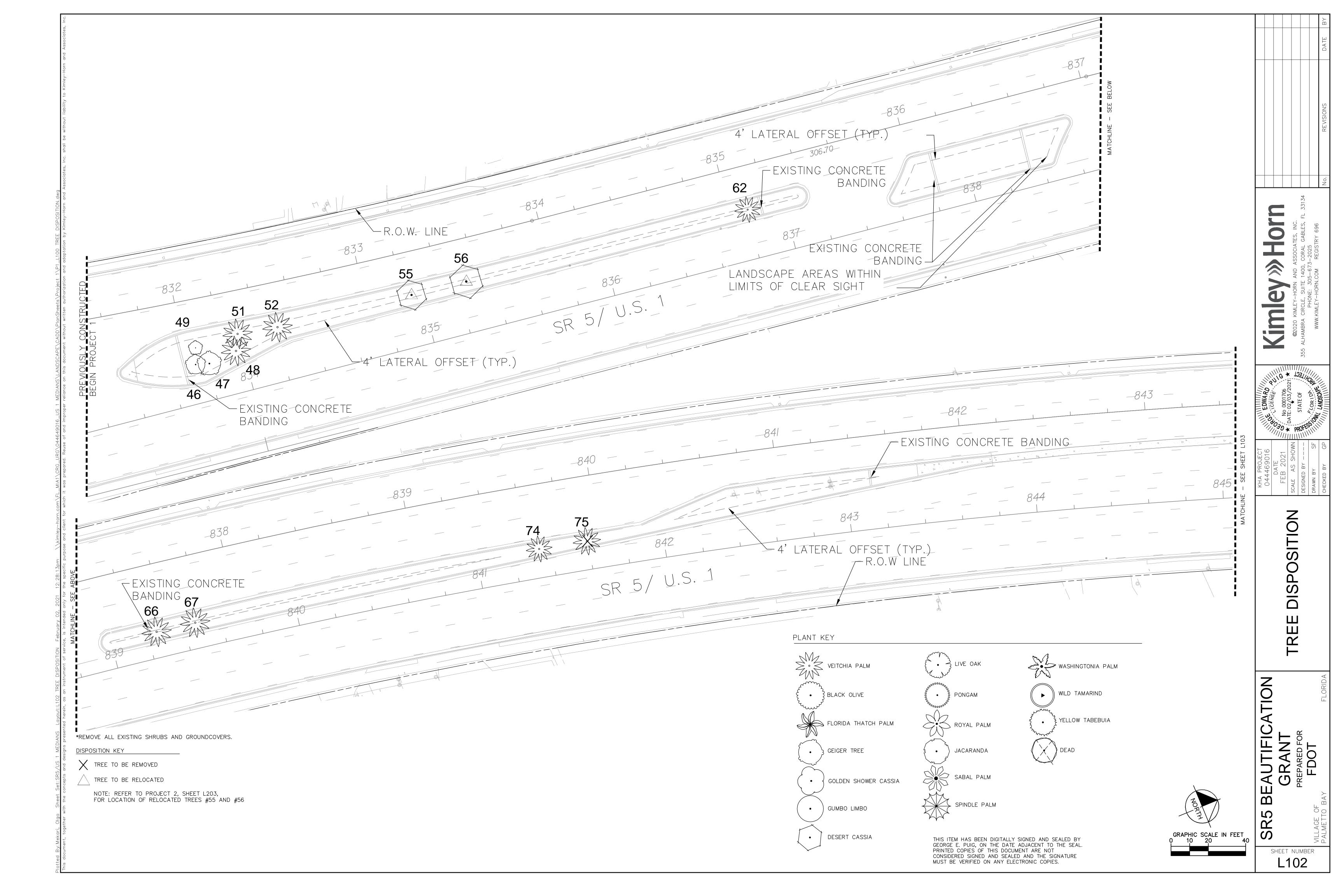
TREE TO BE RELOCATED

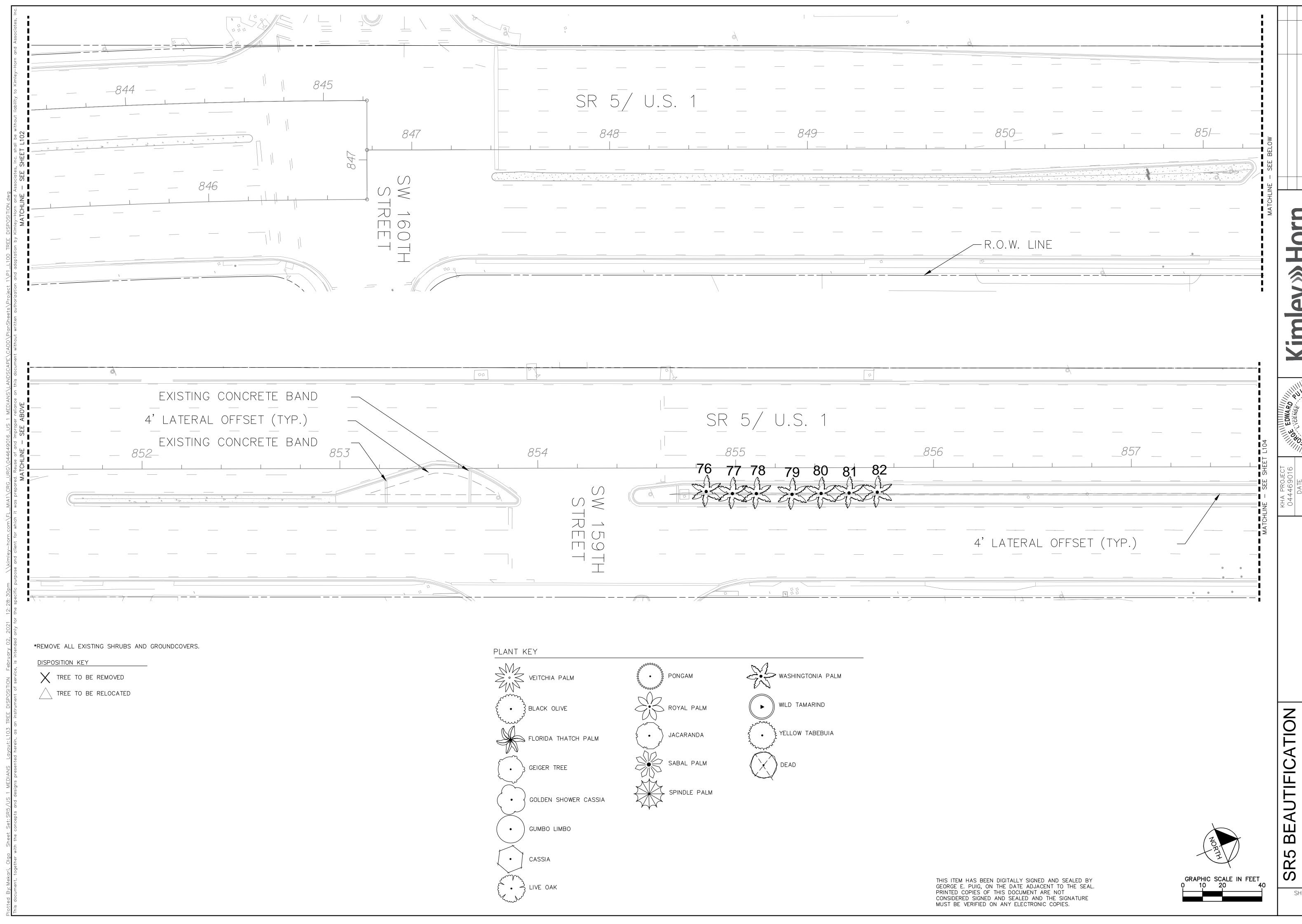
No	Botanical Name	Common Name	DBH/CT	HT	SPR	Conditions	Disposition	Notes
46	Cordia sebestena	Orange Geiger Tree	5	15	10	Moderate	Remain	New Tree
47	Cordia sebestena	Orange Geiger Tree	4	18	12	Moderate	Remain	New Tree
48	Veitchia montgomeryana	Montgomery Palm	7	14	16	Good	Remain	
49	Cordia sebestena	Orange Geiger Tree	1	7	7	Moderate	Remain	New Tree
51	Veitchia montgomeryana	Montgomery Palm	7	13	16	Good	Remain	
52	Veitchia montgomeryana	Montgomery Palm	7	13	16	Good	Remain	
55	Jatropha integerrima	Jatropha	4	10	16	Good	Relocate	
56	Jatropha integerrima	Jatropha	4	9	18	Good	Relocate	
62	Veitchia montgomeryana	Montgomery Palm	6	14	14	Moderate	Remain	
66	Veitchia montgomeryana	Montgomery Palm	5	11	16	Moderate	Remain	
67	Veitchia montgomeryana	Montgomery Palm	6	9	16	Moderate	Remain	
74	Veitchia montgomeryana	Montgomery Palm	5	11	14	Moderate	Remain	
75	Veitchia montgomeryana	Montgomery Palm	6	8	15	Poor	Remove	
76	Washingtonia filifera	Washingtonia Palm	13	50	16	Good	Remain	
77	Washingtonia filifera	Washingtonia Palm	13	45	16	Good	Remain	
78	Washingtonia filifera	Washingtonia Palm	14	40	16	Good	Remain	
79	Washingtonia filifera	Washingtonia Palm	15	30	16	Moderate	Remain	
80	Washingtonia filifera	Washingtonia Palm	14	30	16	Good	Remain	
81	Washingtonia filifera	Washingtonia Palm	14	35	16	Good	Remain	
82	Washingtonia filifera	Washingtonia Palm	13	30	16	Good	Remain	
83	Thrinax radiata	Florida Thatch Palm	4	25	10	Good	Remain	
84	Thrinax radiata	Florida Thatch Palm	5	23	10	Good	Remain	
85	Thrinax radiata	Florida Thatch Palm	4	20	10	Good	Remain	
86	Thrinax radiata	Florida Thatch Palm	4	20	10	Good	Remain	
87	Thrinax radiata	Florida Thatch Palm	4	20	10	Good	Remain	
88	Thrinax radiata	Florida Thatch Palm	4	22	10	Good	Remain	
89	Thrinax radiata	Florida Thatch Palm	4	20	10	Good	Remain	
90	Thrinax radiata	Florida Thatch Palm	5	20	10	Good	Remain	
91	Thrinax radiata	Florida Thatch Palm	4	20	10	Good	Remain	
92	Thrinax radiata	Florida Thatch Palm	4	20	10	Good	Remain	
93	Tabebuia heterophylla	Pink Tabebuia	12	25	20	Moderate	Remain	
94	Tabebuia heterophylla	Pink Tabebuia	12	25	25	Moderate	Remain	
95	Sabal palmetto	Sabal Palm	14	15	20	Good	Remain	
96	Washingtonia filifera	Washingtonia Palm	15	45	18	Good	Remain	
97	Washingtonia filifera	Washingtonia Palm	15	45	18	Poor	Remove	
98	Washingtonia filifera	Washingtonia Palm	15	45	18	Good	Remain	
99	Bucidia buceras	Black Olive	22	40	62	Good	Remain	
100	Swietenia mahagoni	Mahogany	21	45	45	Moderate	Remain	
102	Jacaranda mimosifolia	Jacaranda	15	22	38	Moderate	Remain	Poor Condition
103	Bucidia buceras	Black Olive	24	40	60	Moderate	Remain	
104	Swietenia mahagoni	Mahogany	21	30	42	Poor	Remove	
105	Bucidia buceras	Black Olive	25	40	60	Moderate	Remain	
106	Swietenia mahagoni	Mahogany	37	40	42	Poor	Remove	

*REMOVE ALL EXISTING SHRUBS AND GROUNDCOVERS.

S BEAUTIFICAL
GRANT
PREPARED FOR

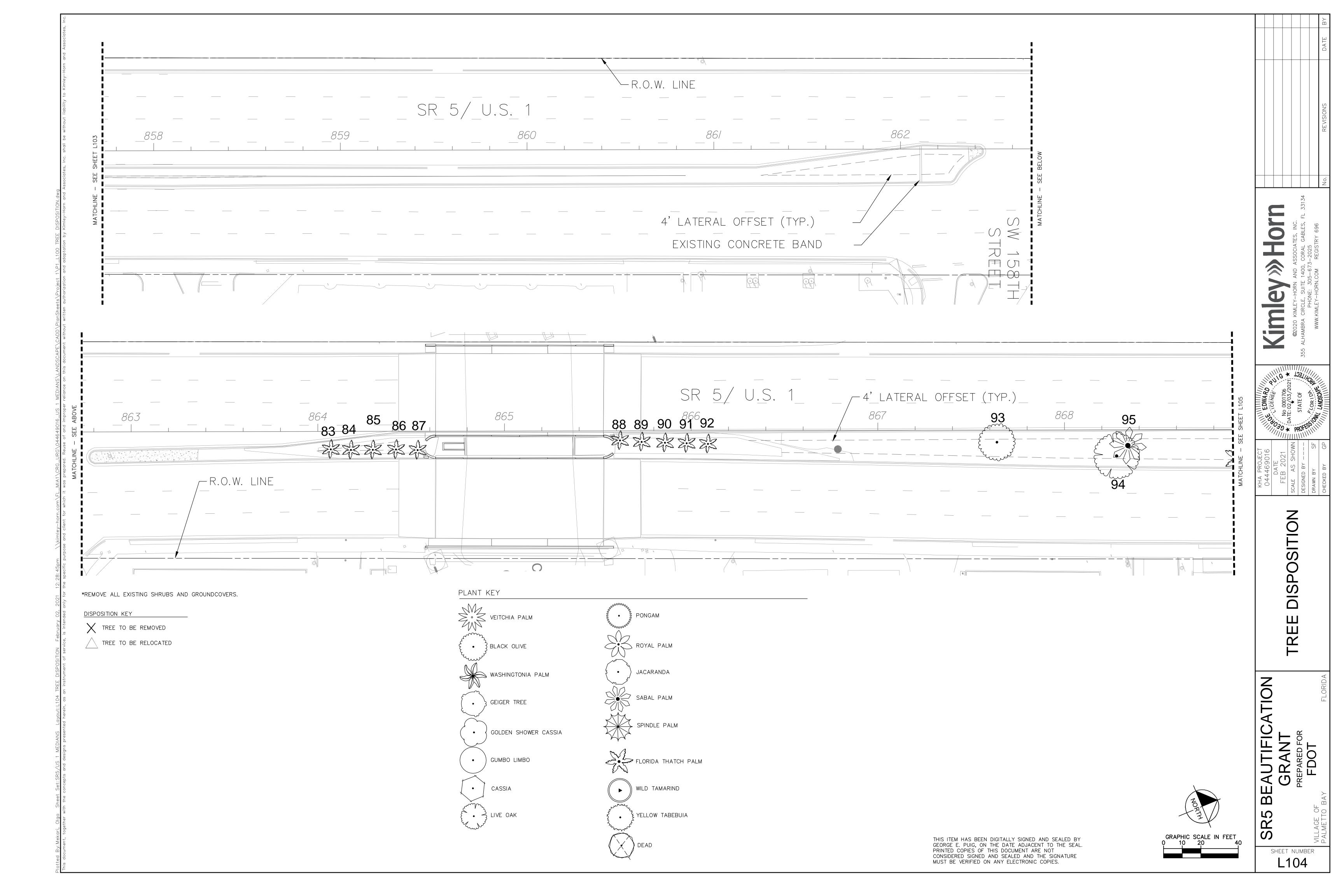
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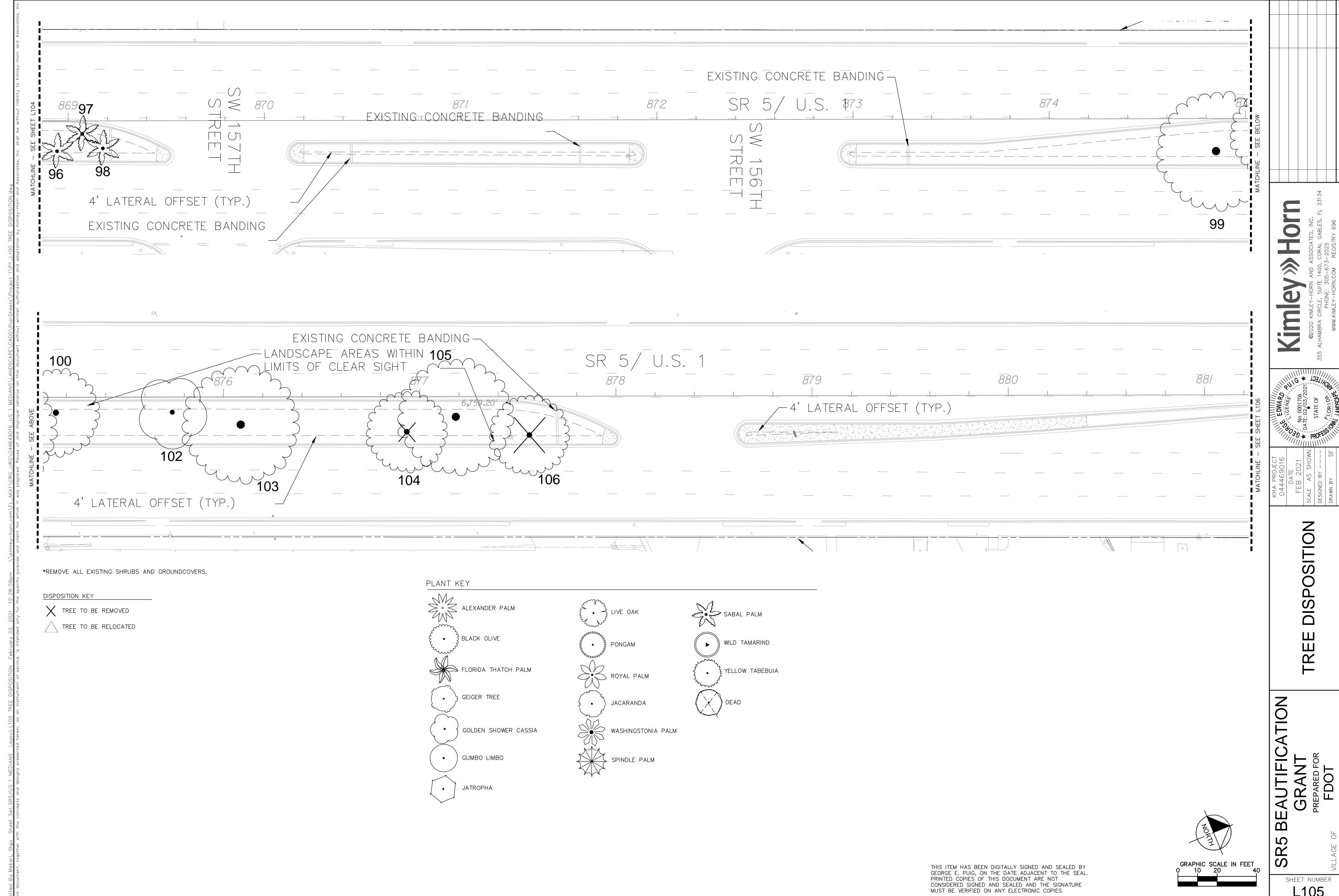




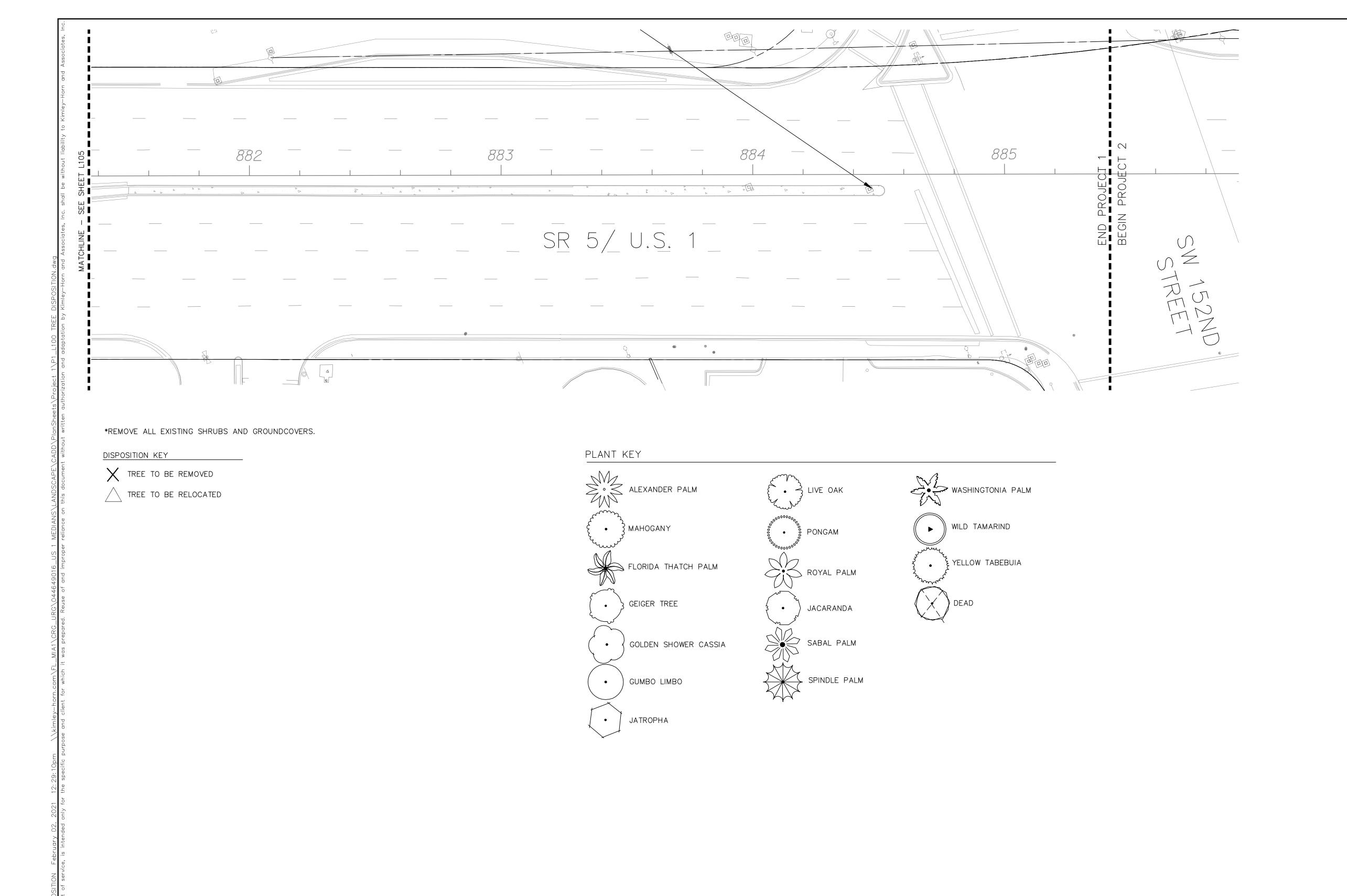
DISPOSITION TREE

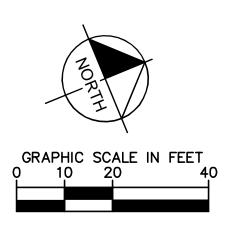
SR5 BEAUTIFICATION
GRANT
PREPARED FOR
FDOT





L105





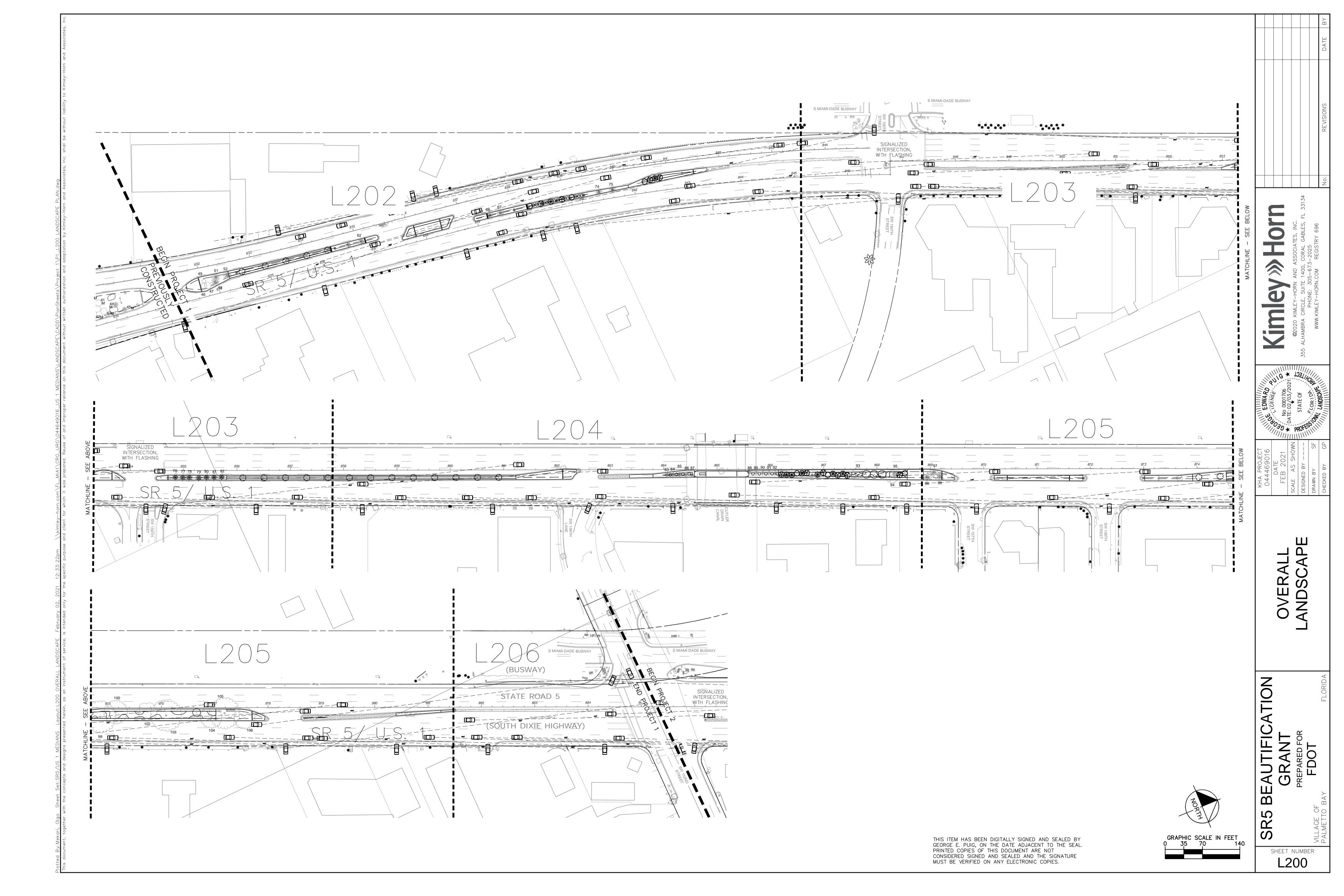
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SHEET NUMBER L106

SR5 BEAUTIFICA GRANT PREPARED FOR FDOT

DISPOSITION

TREE



PLANTING NOTES:

- CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES AND ALL CONTRACT DOCUMENTS FOR FURTHER AND COMPLETE INSTRUCTIONS. LANDSCAPE INSTALLATION SHALL COMPLY WITH CURRENT FDOT STANDARD SPECIFICATIONS 580 AND FDOT STANDARD PLANS INDEX 580-001 DETAILS.
- 2. PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES THE DRAWING SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING.
- 3. PLANT SIZES LISTED ARE THE MINIMUM SIZE THAT WILL BE ACCEPTED FOR THAT PLANT.

PLANT SCHEDULE PROJECT

CODE

CODE

<u>CODE</u>

TYPE

SHRUB AREAS

GROUND COVERS

<u>GRAVEL</u>

- 4. ANY SUBSTITUTION IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT IN WRITING. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND/OR OWNERS REPRESENTATIVE BEFORE PLANTING CAN BEGIN.
- CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES AND/OR INTERFERE WITH EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
- 6. THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS.
- 7. CONTRACTOR SHALL FAMILIARIZE HIM/HERSELF WITH THE LIMITS OF WORK AND EXISTING CONDITIONS AND VERIFY ALL INFORMATION. IF DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING WITHIN SEVEN CALENDAR DAYS OF NOTICE TO PROCEED.
- 8. PER VILLAGE OF PALMETTO BAY: MINIMUM HORIZONTAL CLEARANCE IS FIVE (5) FEET FROM THE OUTSIDE OF THE CITY'S PIPE/STRUCTURE TO THE OUTSIDE/EDGE OF LARGE PLANTINGS. CONTRACTOR TO FIELD-ADJUST ACTUAL LOCATION OF THE PROPOSED WORK TO MEET THE MINIMUM SEPARATION REQUIREMENTS. CONTRACTOR TO VERIFY LOCATIONS OF UTILITIES VIA SOFT DIG WITHIN PLANTERS.
- 9. CONTRACTOR SHALL LEVEL OUT AND PROVIDE FINE GRADING FOR ALL PLANTING AREAS WITHIN THE LIMITS OF WORK. ALL AREAS SHALL BE GRADED SUCH THAT POSITIVE DRAINAGE IS ACHIEVED.
- 10. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
- 11. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT NO ADDITIONAL COST TO THE OWNER.
- 12. ALL PROPOSED LANDSCAPE MATERIAL LOCATED WITHIN THE FIRST 100' OF THE MEDIANS MUST BE MAINTAINED AT 18" HEIGHT FOR THE LIFESPAN OF THE MATERIAL.
- 13. ALL PROPOSED LANDSCAPE MATERIAL, OUTSIDE OF THE FIRST 100' OF THE MEDIAN, THAT FALLS WITHIN THE LIMITS OF CLEAR SIGHT SHALL MUST BE MAINTAINED AT 24" HEIGHT FOR THE LIFESPAN OF THE MATERIAL.
- 14. ALL EXCAVATION WORK BEING PERFORMED WITHIN THE DRIP LINE OF EXISTING TREES SHALL BE CONDUCTED PER FDOT STANDARD PLANS INDEX 110-100 AT THE DIRECTION OF AN ISA CERTIFIED ARBORIST.
- 15. TREES BEING PLANTED OR RELOCATED IN THE FDOT ROW MUST ADHERE TO STANDARD INDEXES # 544,546 AND 700 AND WILL BE THE MOST UP TO DATE
- 16. THE CONTRACTOR SHALL COMPLETELY GUARANTEE AND WARRANTY ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR (FROM THE TIME OF ACCEPTANCE). THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS DURING THE NORMAL PLANTING SEASON.

BOTANICAL NAME

SABAL PALMETTO

SABAL PALMETTO

SABAL PALMETTO

BOTANICAL NAME

BOUGAINVILLEA NANA

CLUSIA ROSEA 'NANA'

BOTANICAL NAME

ARACHIS GLABRATA

ERNODEA LITTORALIS

CROSSOPETALUM ILICIFOLIUM

SERENOA REPENS 'SILVER FORM'

CHRYSOBALANUS ICACO 'HORIZONTALIS'

CORAL ROCK GRAVEL BED WITH 24"-36" CORAL ROCK BOULDERS

CAESALPINIA GRANADILLO

PLUMERIA PUDICA 'BRIDAL BOUQUET'

17. TREES CANNOT BLOCK ANY SIGNS FROM ANY ANGLE. IF THE CONTRACTOR FINDS A CONFLICT WITH AN EXISTING SIGN THAT IS NOT REFLECTED IN THE PERMITTED DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF SAID TREES.

COMMON NAME

LAGERSTROEMIA INDICA X FAUREI 'TUSCARORA' TUSCARORA CRAPE MYRTLE

BRIDAL VEIL TREE

BRIDAL BOUQUET

SABAL PALM

SABAL PALM

SABAL PALM

COMMON NAME

CLUSIA NANA

COMMON NAME

PERENNIAL PEANUT

GOLDEN CREEPER

QUAILBERRY

HORIZONTAL COCOPLUM

DWARF BOUGAINVILLEA

SILVER SAW PALMETTO

FG

FG

FG

FG

<u>CONT</u>

CONT.

CONT. 2" CAL.

<u>SIZE</u>

CONT. 18" X 18"

CONT. 18" X 18"

CONT 24" X 24"

<u>SIZE</u>

24"X 24"

18" X 18"

<u>SIZE</u>

24"-36" DIA.

CONT. 18" X 18"

12' HT.

6'-8' HEIGHT

14'-16' HT.

18'-20' HT.

24'-26' HT.

<u>SPACING</u>

18" O.C.

18" O.C.

30" O.C

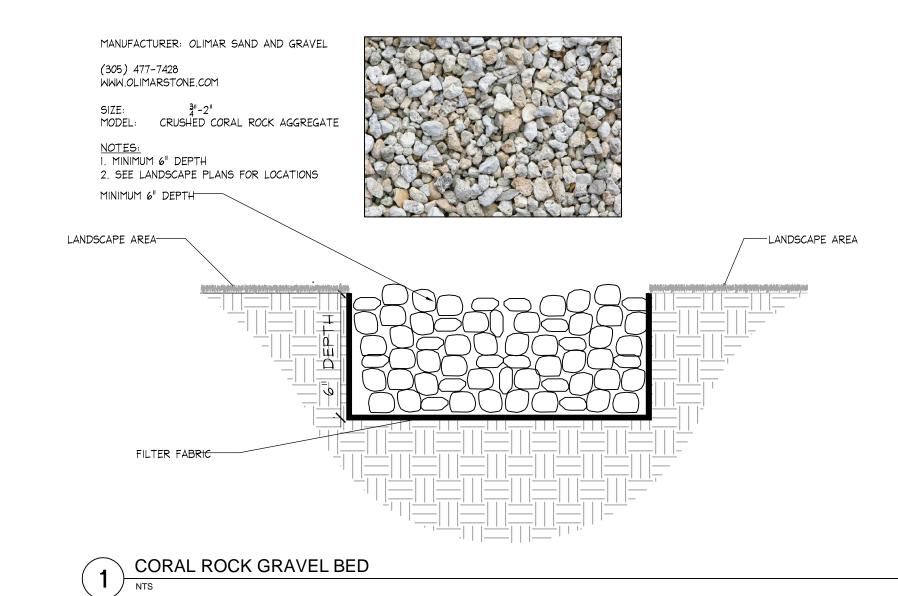
<u>SPACING</u>

SOD

24" O.C.

18" O.C.

18" O.C.



REMARKS

REMARKS

<u>REMARKS</u>

5' MIN. CLEAR TRUNK

5' MIN. CLEAR TRUNK

BOOTED, STRAIGHT TRUNK

BOOTED, STRAIGHT TRUNK

BOOTED, STRAIGHT TRUNK

MAINTAINED AT 18" HEIGHT

MAINTAINED AT 18" HEIGHT

MAINTAINED AT 24" HEIGHT

MAINTAINED AT 18" HEIGHT

MAINTAINED AT 18" HEIGHT

<u> QTY</u>

20

20

<u>aty</u>

824

3,180

221

<u>aty</u>

581

<u> QTY</u>

3,026 SF

10'-12' SPR 6

10'-12' SPR 10

10'-12' SPR 8

2. COMPACTED SUBGRADE A. PLACE ALL CORAL ROCK BOULDERS SUCH 3. CORAL ROCK BOULDERS, 24"-36" THAT 1/3 OF THE TOTAL MASS OF EACH DIAMETER, SHALL BE PLACED CONTINUOUS BOULDER IS BELOW FINISH GRADE. IN NATURAL CONFIGURATIONS. BOULDER B. CORAL ROCK BOULDER'S TO BE SHALL BE A MINIMUM OF TWO LAYERS IN INSTALLED AT 70% - 36" DIA. AND 30% -DEPTH. BOTTOM LAYER SHALL BE PARTIALLY BURIED. C. FINAL LOCATIONS TO BE COORDINATED 4. FILTER FABRIC PLACED UNDER ALL WITH LANDSCAPE ARCHITECT IN THE BOULDERS. 5. INSTALL CORAL ROCK GRAVEL BETWEEN VOIDS TO DISCOURAGE WEED GROWTH. REFER TO DETAIL 1. \CORAL ROCK BOULDER PLACEMENT

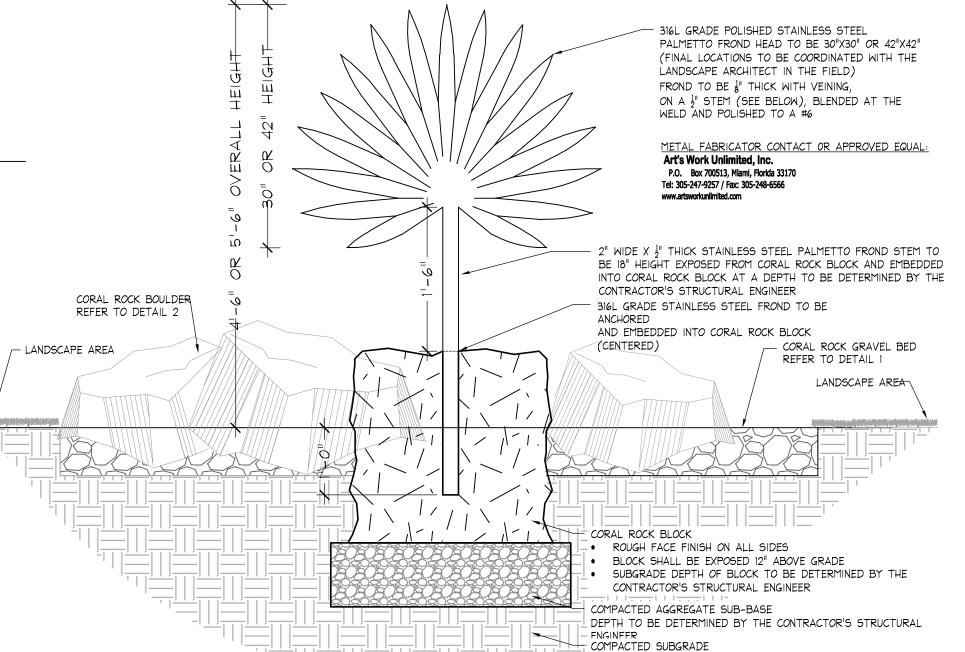
1. CONTRACTOR SHALL SUBMIT DETAILED, (SIGNED AND SEALED) ENGINEERED SHOP DRAWINGS AND STRUCTURAL CALCULATIONS FOR APPROVAL BY THE VILLAGE OF PALMETTO BAY PRIOR TO PROCUREMENT, FABRICATION, AND 2. CONTRACTOR SHALL SUBMIT PRODUCT DATA AND SAMPLES FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT, FABRICATION, AND INSTALLATION.

3. INSTALLATION OF CORAL ROCK BLOCK TO BE DONE UNDER THE SUPERVISION OF THE CONTRACTOR'S LICENSED ISA CERTIFIED ARBORIST TO AVOID DAMAGE TO EXISTING CRITICAL ROOT ZONES.

4. ALL ARCHITECTURAL FEATURE STAINLESS STEEL PALMETTO FRONDS SHALL BE PLACED PARALLEL TO THE FLOW OF 5. ALL ARCHITECTURAL FEATURE STAINLESS STEEL PALMETTO FRONDS SHALL BE ONE SOLID UNIT (SEAMLESS WITH NO

30" OR 42" WIDTH

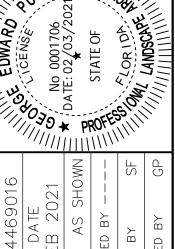
I. FINISH GRADE



ARCHITECTURAL FEATURE - 316L GRADE STAINLESS STEEL PALMETTO FRONDS

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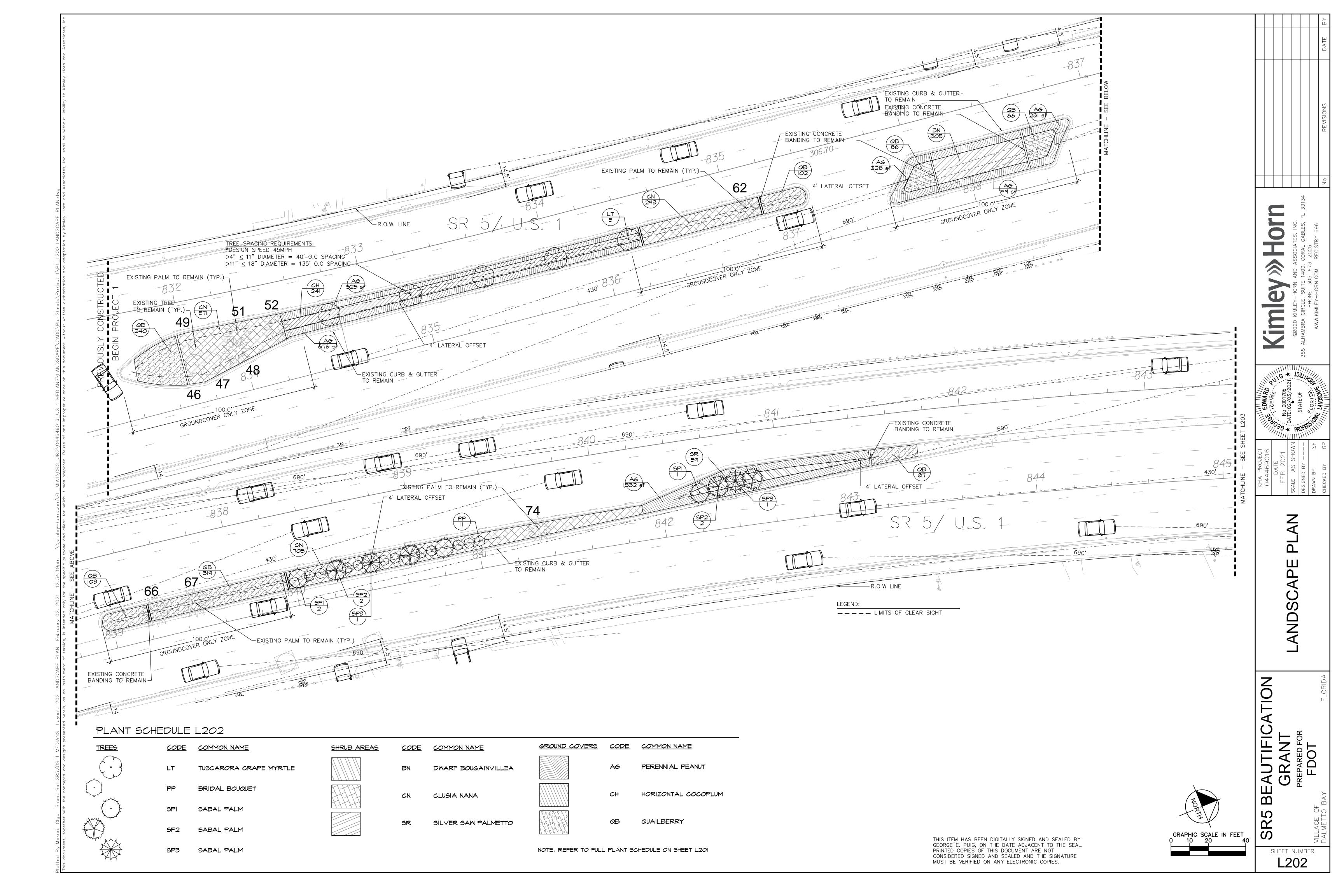


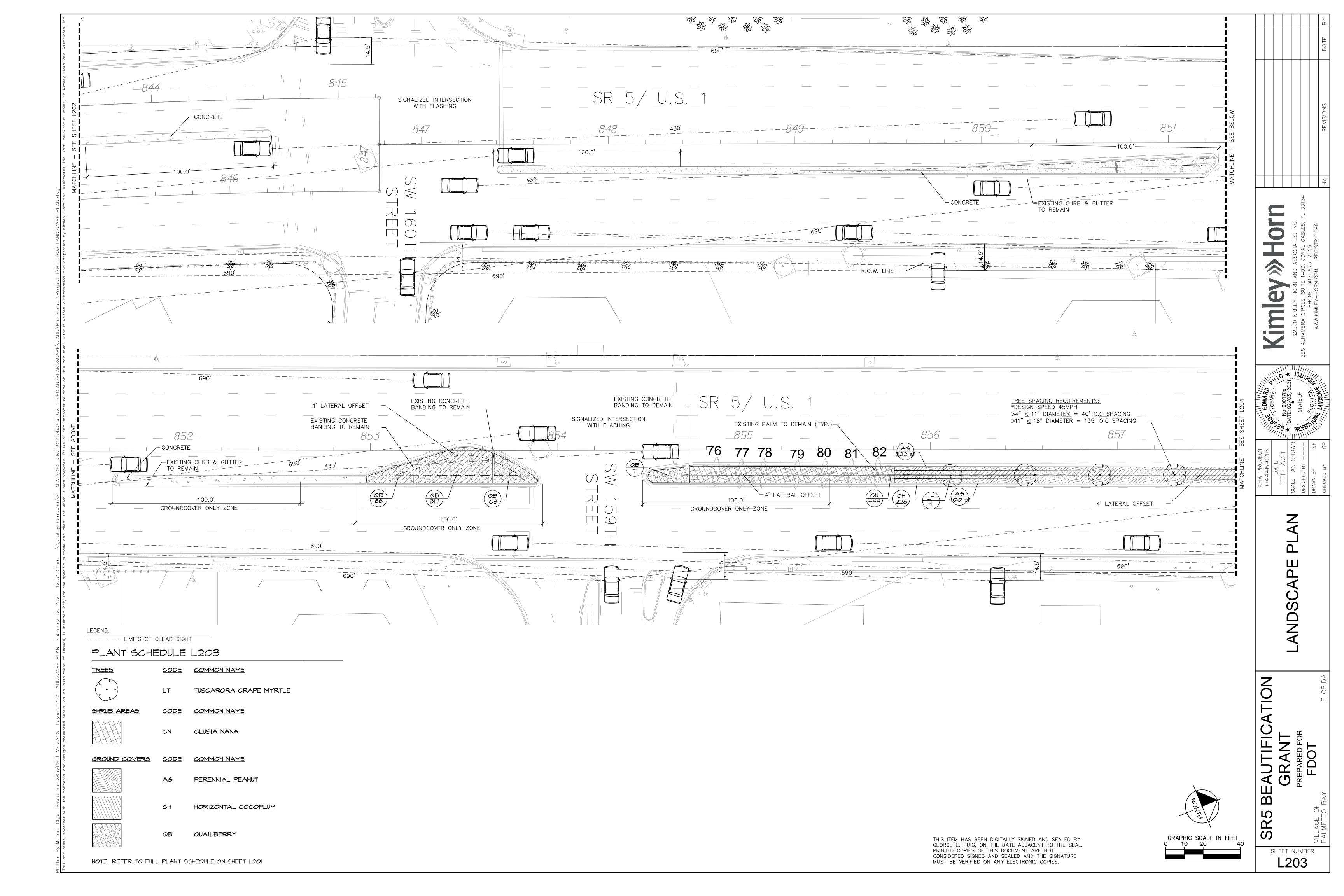
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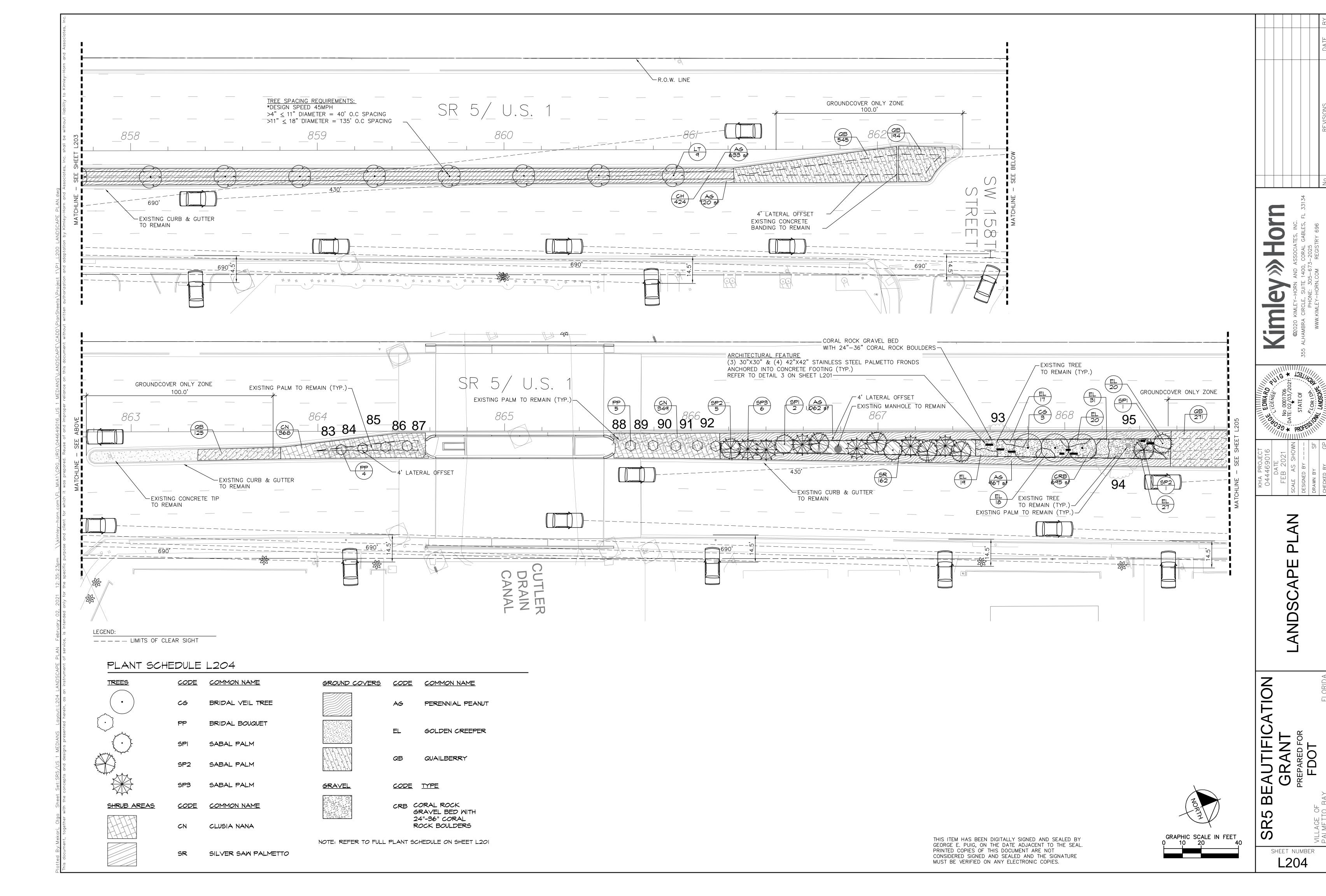
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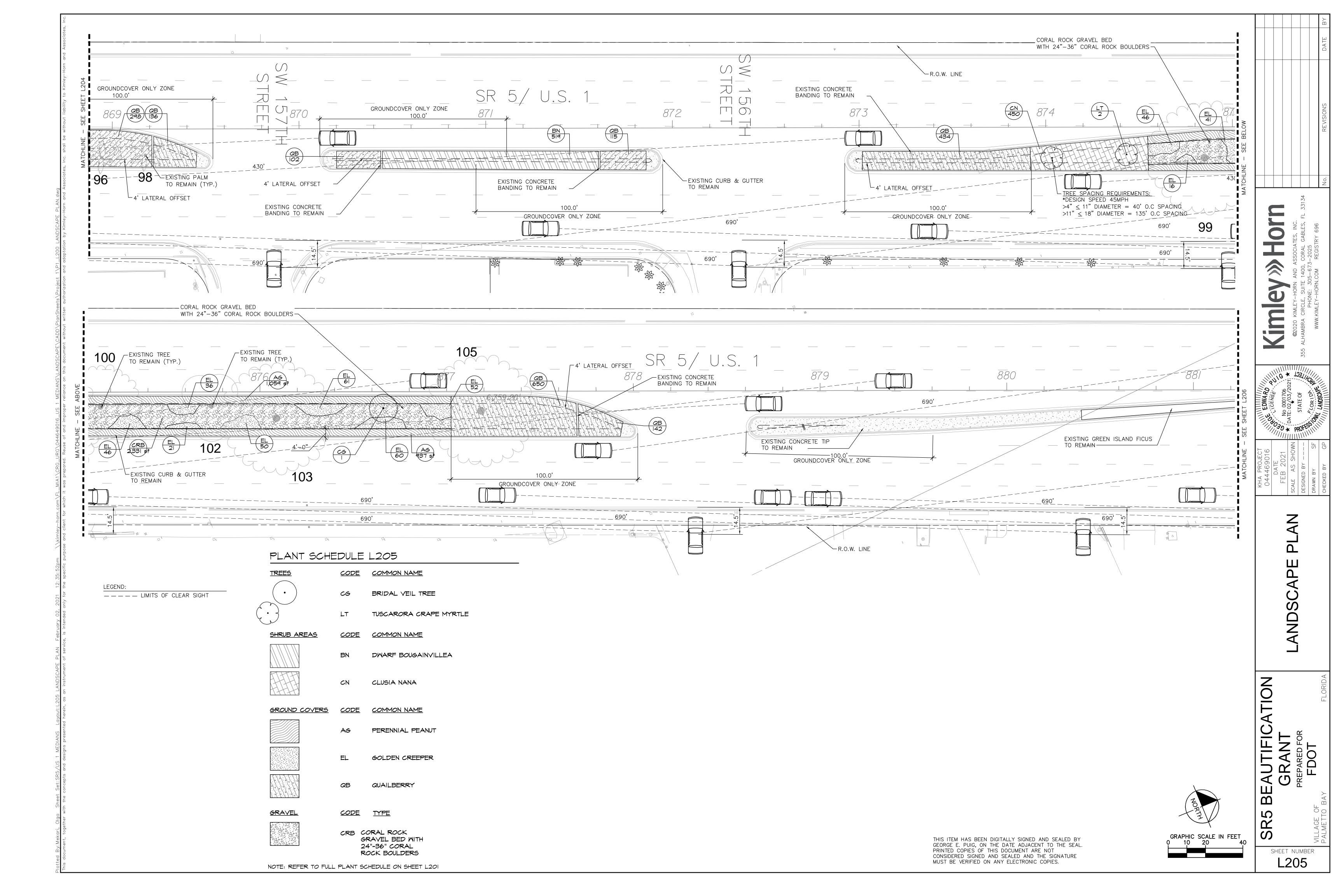
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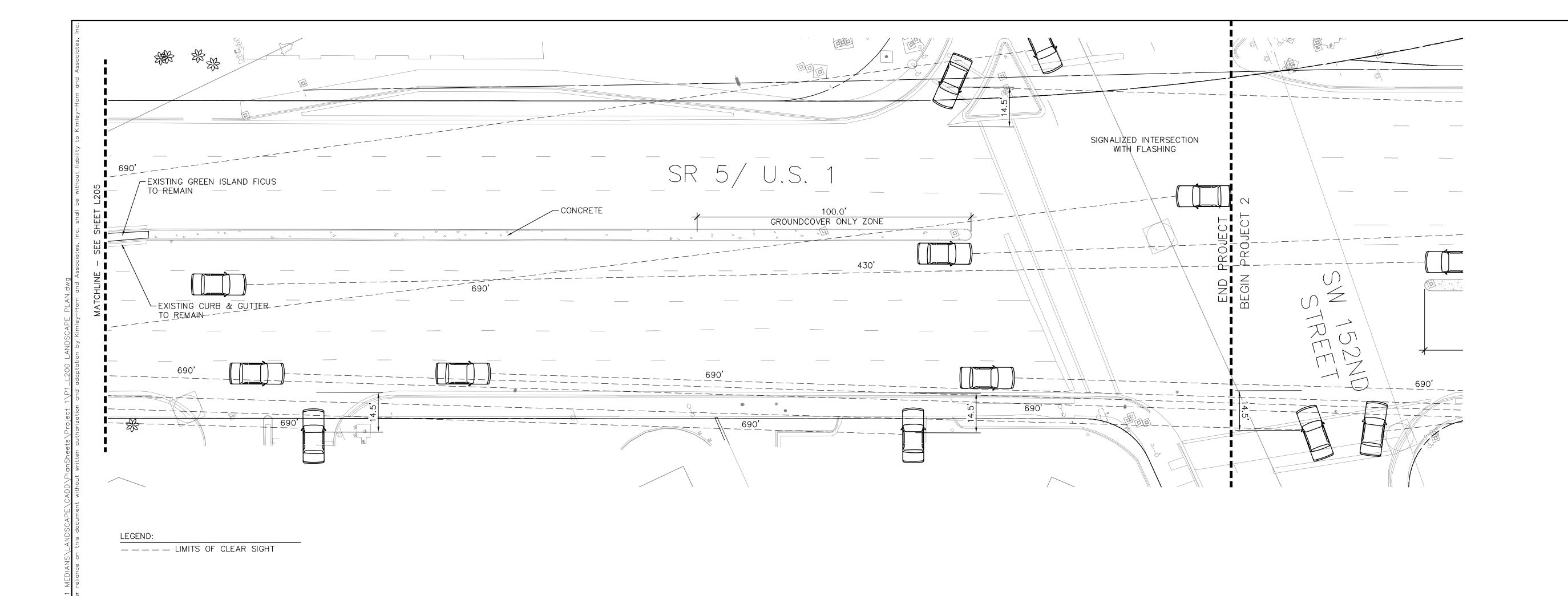
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STAT

FEB 2021

SCALE AS SHOWN

DESIGNED BY ---
DRAWN BY

SF

ANDSCAPE PLAN

SR5 BEAUTIFICATION
GRANT
PREPARED FOR
FDOT

SHEET NUMBER

L206

GRAPHIC SCALE IN FEET
0 10 20 40

A. SCOPE OF WORK

- 1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.
- 2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE HEAT WILL DAMAGE ANY PLANT. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.

D. MATERIALS

1. GENERAL

MATERIALS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL. UPON SUBMITTALS' APPROVAL, DELIVERY OF

MATERIALS MAY COMMENCE.

AMENDMENT MIX/ PRODUCT DATA/ TEST RESULTS TOPSOIL MIX

PHOTOGRAPHS OF ONE (1) OF EACH SPECIES (OR TAGGED IN NURSERY)

CLIENT-REQUESTED TAGGING MAY SUBSTITUTE PHOTOS. INDICATE SIZES (HEIGHT/WIDTH) AND QUALITY PER SPEC.

PRODUCT DATA FERTILIZER PRODUCT DATA INNOCULANT

HERBICIDE PRODUCT DATA STAKING/GUYING FOR ALTERNATE TO DETAILS: SEND PRODUCT DATA, DETAIL

2. PLANT MATERIALS

A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES, SECOND EDITION (1942). ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY. VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE

- B. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.
- C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

- 1. SOIL MIXTURE (PLANTING MEDIUM FOR PLANTERS) SHALL CONSIST OF 70% SAND, 30% NORTH FLORIDA PEAT, AS DESCRIBED BELOW:
- 2. SOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANTERS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. SHALL HAVE A PH BETWEEN 5.5 AND 7.0 — SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.
- 3. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE ORTONA MINED SAND. CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TESTS FOR TOPSOIL AND SAND PROPOSED FOR USE UNDER THIS CONTRACT FOR APPROVAL BY THE OWNER.
- 4. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.
- 5. CONTRACTOR SHALL PROVIDE PH TEST RESULTS FOR ALL MIX COMPONENTS.
- 6. CONTRACTOR SHALL PROVIDE PENETROMETER ON-SITE AT ALL TIMES FOR COMPACTION INSPECTION AT THE DISCRETION OF THE LANDSCAPE ARCHITECT.
- 7. PENETROMETER CRITERIA / SPECIFICATION SHALL RANGE FROM APPROX. 75 PSI TO LESS THAN 300 PSI OR AS DETERMINE BY LANDSCAPE ARCHITECT.
- 8. SOIL SHALL BE SUPPLIED BY ATLAS PEAT & SOIL INC. 9612 STATE RD, BOYNTON BEACH, FLORIDA 33472. PHONE: 561-734-7300.
- 9. FINAL MIX SHAL BE TESTED TO HAVE SATURATED WEIGHT OF NO MORE THAN 110 POUNDER PER CUBIC FOOT WHEN COMPACTED TO 85% STANDARDS PROCTOR.
- 10. MINIMUM DEPTH OF SOIL SHALL BE 3'-0" IN PLANTERS. IN PLANTERS WITH EXISTING TREES, SOIL SHALL BE REMOVED TO A DEPTH REQUIRED TO ELIMINATE SOD CONDITION TO REWORK THE ORIGINAL SOIL CONDITION WITH NEW SOIL, WHILE PRESERVING EXISTING TREE ROOTS AND AVOIDING ADVERSE IMPACT OF

WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

*WATERING/IRRIGATION RESTRICTIONS MAY APPLY — REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

*FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF 3 INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). TYPE OF MATERIAL: "FLORIMULCH" OR SHREDDED, STERILE EUCALYPTUS MULCH

I. DIGGING AND HANDLING

- 1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.
- 2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.
- 3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS, COMPLYING WITH FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.
- 4. PROTECTION OF PALMS (IF APPLICABLE): ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING
- 5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB- BASES.

J. CONTAINER GROWN STOCK

- 1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION, FLORIDA #1 OR BETTER.
- . AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.

4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL IS OBTAINED FROM THE OWNER OR OWNER'S REPRESENTATIVE.

K. COLLECTED STOCK

WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED BY THE OWNER OR OWNER'S REPRESENTATIVE, THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY.

L. NATIVE STOCK

PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

M. MATERIALS LIST

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE

N. FINE GRADING

- 1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.
- 2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.
- 3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES.

O. PLANTING PROCEDURES

- 1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
- 2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL NATIONAL ONE CALL — 811 — TO LOCATE
- 3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND ADEQUATE PERCOLATION CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.
- 4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.
- 5. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES, METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.
- 6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH T. IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES
- 7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER PERCOLATION. IF POOR PERCOLATION EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS
- 8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING
- 9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS.
- 10. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
- 11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.
- 12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, BASKETS, ETC... SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.
- 13. PRUNING: TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY LICENSED ARBORIST, IN ACCORDANCE WITH ANSI A-300.
- 14. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" TO ACHEIVE SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.
- 15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.
- 16. MULCHING: PROVIDE A THREE INCH (MINIMUM) LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT PLANTED UNDER THIS CONTRACT.
- 17. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION

CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND

R. MAINTENANCE (ALTERNATE BID ITEM)

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

- 2. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT NO ADDITIONAL COST TO THE OWNER.
- 3. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

Q. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

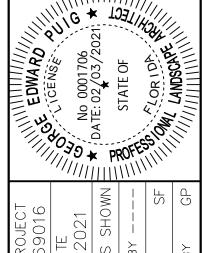
CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST-PER-MONTH BASIS.

S. FINAL INSPECTION AND ACCEPTANCE OF WORK

- . THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.

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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY GEORGE E. PUIG, ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



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