



City of Tampa
Jane Castor, Mayor

Contract Administration
Richard Mutterback, Director
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Tampa, FL 33602
Office (813) 274-8116
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ADDENDUM 4
Via E-Mail
DATE: May 20, 2025

Contract: 24-C-00015; El Prado Sidewalk S Omar Ave to Lois Ave & Lois Ave to Bayshore Blvd

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

Item 1: RFI - Please verify if the FDOT Asphalt Price Index applies to this contract.

RFI response: The El Prado plans follow FDOT specifications and bid item prices should use the FDOT Asphalt Price Index as a reference.

Item 2: RFI - On the Bid schedule, items 425-15-52 and 520-1-8 show a zero quantity. Should we price those items, or will they be deleted off the bid schedule?

RFI Response: These line items have been removed from the bid schedule.

Item 3: RFI - Item 520-70 traffic separator is showing units of LF when they should be SY.

RFI Response: The unit for item 520-70 traffic separator has been changed to SY.

Item 4: RFI - The plans call for Flexi-pave Sidewalk. The bid schedule does not show a pay item for this. How will this work be paid for?

RFI response: Pay item will be reflected in the addendum package with updated bid items and quantities. The quantities were originally accounted for under item 522-1, so these quantities have been reduced to account for 522-1-100 Sidewalk, Porous and Flexible, Project 430512-1-52-01 (Flexipave).

Item 5: RFI - On the bid schedule Items 635-2-30, 710-12-290, 711-11-125, 711-11-224, 711-14-170 all have incorrect units. Please correct units on bid schedule.

RFI Response: Items 635-2-30, 710-12-290, 711-11-125, 711-11-224, 711-14-170 have been corrected to reflect the correct units.

Item 6: RFI - Item 646-2-120 description is (20') and Item 665-1-11 description reads "Standard." Please add more description to these items.

RFI Response: Full item descriptions added to 646-2-120 and Item 665-1-11.

Item 7: RFI - The bid schedule shows that there will be a total of 113 ea. "Traffic Signal Controller Cabinet, Adjust and modify." This does not match the signalization plans. Please verify the correct quantities and correct the bid schedule.

RFI Response: Pay item 676-1-500 corrected bid quantities to (2) under segment 1 and (3) in segment 2 for a total of (5) "Traffic Signal Controller Cabinet, Adjust and modify."

Item 8: RFI - I noticed Landscape in Segment 1 shown on the Bid Form, but it was not included in the plans for Segment 1. Please advise where I can find the landscape sheets for Segment 1.

RFI Response: Landscape plans are uploaded to reflect landscape quantities for Segment 1.

Item 9: RFI - Special Instructions Section I-1.05 states time for completion is 200 calendar days from Notice to Proceed. The value of this project is estimated at \$6,252,656 and there are long lead time signalization items including 654-2-21 "RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR, COMPLETE SIGN ASSY- SINGLE DIRECTION" that have a minimum of 12 weeks lead time. Considering submittal approvals, procurement, and installation there does not seem to be enough time to construct this project within the allowable time. Please provide the basis for how 200 calendar days was determined for this contract.

RFI Response: The time for completion of this project, referred in Article 4.01 of the Agreement, is hereby changed to 300 calendar days.

Item 10: RFI - City of Tampa Parks and Rec created the attached Pavement over tree roots design including both Reinforced Concrete Pavement over Existing Tree Roots and Permeable Bonded Aggregate Pavement (flexi pave) over Existing Tree Roots. Please confirm if the contractor has the option to determine which application to use or are we required to use Flexi Pave Permeable Bonded Aggregate Pavement?

RFI Response: Contractors should provide bid prices for item 522-1-100 Flexi Pave. Changes to the pavement material can be discussed after award.

Item 11: RFI - Please provide a response to the following bid question:

1. Omar to Lois sheet S-3 includes pay item 920-714-100 Green colored pavement markings (bike lane) with quantity 10754 SF. Lois to Bayshore sheet S-3 includes pay item 920-714-100 Green colored pavement markings (bike lane) with quantity 8695 SF. There is not a pay item in the price proposal sheets P-1 thru P-5 for this pay item.

a. Please revised the price proposal sheet to include this pay item or eliminate this item from the project.

RFI Response: Bid item 920-714-100 Green colored pavement markings added to the bid schedule.

Item 12: RFI - Another question regarding a discrepancy between the bid form and plan quantities: Bid form includes item 711-11-241 THERMOPLASTIC, STANDARD, YELLOW, 6-10 DOTTED, 6" 0.108 0.127 0 LF, if the intent is to match the quantities in the plans this should be .235 GM.

RFI Response: Bid item units updated to GM.

Item 13: RFI –

(NON-PARTICIPATING)						
Project Number: City of Tampa # 21-D-00016; FDOT FPID 443516-1						
COUNTY: Hillsborough						
DESCRIPTION: El Prado Blvd. (from Omar Ave. to Lois Ave.) Complete Streets and Sidewalk Project						
Date: 4/24/2024						
ROADWAY, DRAINAGE, AND UTILITIES						
ITEM NO.	ITEM DESCRIPTION	SEGMENT 1 QUANTITY	SEGMENT 2 QUANTITY	TOTAL QUANTITY	UNIT	UN
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	1,637	2,800	4,437	LF	
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	2,033	521	2,361	LF	
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	283	521	804	GM	LF
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE / 6-10 GAP EXTENSION, 6"	0.576	0.623	1	EA	GM
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	12	43	55	EA	
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	13	30	43	LF	EA
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	98	347	445	GM	LF
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, 6-10 DOTTED, 6"	0.108	0.127	0	LF	GM
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	885	1,510	2,395	EA	LF
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	26	37	63	EA	
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	26	37	63	GM	EA
711-16-101	THERMOPLASTIC, STANDARD- OTHER SURFACES, WHITE, SOLID, 6"	2.552	4.099	7	GM	
711-16-131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6" 10-30 SKIP OR 3-9 LANE DROP	0.032	0.055	0	GM	
711-16-133	THERMOPLASTIC (STD-OTHER) (WHITE) (SKIP) (12") (3-9)	0.062	0.201	0	GM	
711-16-201	THERMOPLASTIC, STANDARD- OTHER SURFACES, YELLOW, SOLID, 6"	1.389	2.376	4	GM	
711-17-1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	0.000	442	442	SF	
SUBTOTAL						
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)			1	LS	Five
GRAND TOTAL						

RFI **response:** Bid item units updated as recommended.

Item 14: The Bid Opening Date is hereby changed to June 10, 2025

All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect. Questions are to be e-mailed to ContractAdministration@tampagov.net.

Jim Greiner

Jim Greiner, P.E., Contract Management Supervisor

(PARTICIPATING)								
Project Number: City of Tampa # 24-C-00015; FDOT FPID 443516-1/2 COUNTY: Hillsborough El Prado Blvd. (from Omar Ave. to Lois Ave.) DESCRIPTION: Complete Streets and Sidewalk Project Date: 5/1/2025								
ITEM NO.	ITEM DESCRIPTION	SEGMENT 1 QUANTITY	SEGMENT 2 QUANTITY	TOTAL QUANTITY	UNIT	UNIT COST in WORDS	UNIT COST*	COST PER ITEM
ROADWAY, DRAINAGE, AND UTILITIES								
104-1	ARTIFICIAL COVERINGS - ROLLED EROSION CONTROL PRODUCTS	73	90	163	SY			
104-10-3	SEDIMENT BARRIER	1,560	4,301	5861	LF			
104-18	INLET PROTECTION SYSTEM	19	0	19	EA			
110-1-1	CLEARING & GRUBBING	0.61	0.93	1.54	AC			
110-4-10	REMOVAL OF EXISTING CONCRETE	450	1,243	1693	SY			
110-7-1	MAILBOX, F&I SINGLE	0	9	9	EA			
110-21	TREE PROTECTION BARRIER	637	1734	2371	LF			
110-22	TREE ROOT AND BRANCH PRUNING	12	21	33	EA			
110-23	TREE REMOVAL	8	16	24	EA			
120-1	REGULAR EXCAVATION	34.5	634.0	668.5	CY			
120-4	SUBSOIL EXCAVATION	0.0	117.9	117.9	CY			
120-6	EMBANKMENT	19.9	167.9	187.8	CY			
160-4	TYPE B STABILIZATION	127	34	161	SY			
285-701	OPTIONAL BASE, GROUP 1	106	34	140	SY			
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B (SHARED USE PATH)	5.9	2.8	8.7	TN			
425-5-1	MANHOLE, ADJUST, UTILITIES	2	3	5	EA			
425-6	VALVE BOXES, ADJUST	4	5	9	EA			
520-1-8	CONCRETE CURB & GUTTER, DROP CURB	224	0	224	LF			
520-1-10	CONCRETE CURB & GUTTER, TYPE F	145	352	497	LF			
520-2-4	CONCRETE CURB, TYPE D	89	1,470	1559	LF			
520-7-2	GRANITE CURB, RESET	0	78	78	LF			
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	813	2,108	3269	SY			
522-1-100	SIDEWALK, POROUS AND FLEXIBLE, PROJECT 430512-1-52-01 (Flexipave)	121	170	291	SY			
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	374	1,067	1441	SY			
526-1-101	PAVERS, ARCHITECTURAL, REMOVE EXISTING AND REINSTALL	79	168	247	SY			
527-2	DETECTABLE WARNINGS	294	501	795	SF			
570-1-2	PERFORMANCE TURF, SOD	466	2,171	2637	SY			
570-1-3	SOD AND PREPARED SOIL LAYER	48	96	144	SY			
635-2-30	PULL & SPLICE BOX, INSTALL (ADJUST)	1	0	1	EA			
1080-21-500	UTILITY FIXTURE, VALVE/METER BOX, ADJUST	2	21	23	EA			
102-71-16	TEMPORARY BARRIER, F&I FREE STANDING		16	16	LF			
SUBTOTAL								
102-1	MAINTENANCE OF TRAFFIC			1	LS			
101-1	MOBILIZATION			1	LS			
GRAND TOTAL								

P-2

(NON-PARTICIPATING)

Project Number:	City of Tampa # 24-C-00015; FDOT FPID 443516-1
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COUNTY: Hillsborough

DESCRIPTION: El Prado Blvd. (from Omar Ave. to Lois Ave.) Complete Streets and Sidewalk Project

Date: 4/25/2025

ITEM NO.	ITEM DESCRIPTION	SEGMENT 1 QUANTITY	SEGMENT 2 QUANTITY	TOTAL QUANTITY	UNIT	UNIT COST in WORDS	UNIT COST*	COST PER ITEM
ROADWAY, DRAINAGE, AND UTILITIES								
104-10-3	SEDIMENT BARRIER	0	107	107	LF			
104-18	INLET PROTECTION SYSTEM	10	16	26	EA			
107-1	LITTER REMOVAL	10.34	75.18	86	AC			
107-2	MOWING	3.16	22.70	26	AC			
110-1-1	CLEARING & GRUBBING	0.14	0.02	0	AC			
110-4-10	REMOVAL OF EXISTING CONCRETE	5	62	67	SY			
120-1	REGULAR EXCAVATION	134.1	0	134	CY			
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	90.3	0	90	CY			
120-6	EMBANKMENT	5.8	23.4	29	CY			
160-4	TYPE B STABILIZATION	8	7	15	SY			
285-707	OPTIONAL BASE, GROUP 7	8	8	16	SY			
327-70-1	MILLING EXISTING ASPHALT (1" AVG. DEPTH)	1,039	188	1,227	SY			
327-70-4	MILLING EXISTING ASPHALT (3" AVG. DEPTH)	22,380	31,314	53,694	SY			
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B (ROADWAY)	2,465	3,449	5,914	TN			
337-7-80	9.5, PG 76-22 (ROADWAY)	1,288	1,732	3,020	TN			
425-1-331	INLETS, CURB, CITY TYPE 1, <10'	1	1	2	EA			
425-3-43	FDOT TYPE 9 CURB INLET)	1	0	1	EA			
425-5-1	MANHOLE, ADJUST, UTILITIES	3	0	3	EA			
425-6	VALVE BOXES, ADJUST	0	1	1	EA			
425-11	MODIFY EXISTING DRAINAGE STRUCTURE	1	0	1	EA			
425-15-51	INLET TOP, REPLACE, CURB INLET (CITY TYPE 1)	4	4	8	EA			
425-15-51	INLET TOP, REPLACE, CURB INLET (CITY TYPE 2)	1	0	1	EA			
425-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	53	0	53	LF			
430-175-218	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 18"S/CD	0	6	6	LF			
520-1-10	CONCRETE CURB & GUTTER, TYPE F	12	155	167	LF			
520-2-2	CONCRETE CURB, TYPE B	0	83	83	LF			
520-2-4	CONCRETE CURB, TYPE D	684	33	717	LF			
520-70	TRAFFIC SEPARATOR, SPECIAL, VARYING WIDTH	177	0	177	SY			
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	0	28	28	SY			
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	0	10	10	SY			
526-1-2	PAVERS, ARCHITECTURAL, SIDEWALK	0	38	38	SY			
527-2	DETECTABLE WARNINGS	0	9	9	SF			
542-70	BUMPER GUARDS, CONCRETE	37	68	105	EA			
570-1-2	PERFORMANCE TURF, SOD	0	94	94	SY			
580-1-1	LANDSCAPE COMPLETE - SMALL PLANTS	1	0	1	LS			
580-1-2	LANDSCAPE COMPLETE - LARGE PLANTS	1	0	1	LS			
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	58	149	207	LF			
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	250	588	838	LF			
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	25	25	50	LF			
632-7-2	SIGNAL CABLE - REPAIR/REPLACE/OTHER, F&I	271	474	745	LF			
635-2-11	PULL & SPLICE BOX, F&I, 13"x24" COVER SIZE	13	23	36	EA			
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	0	2	2	EA			
646-1-12	ALUMINUM SIGNALS POLE, F&I PEDESTRIAN DETECTOR POST	2	1	3	EA			

(NON-PARTICIPATING)								
Project Number: City of Tampa # 24-C-00015; FDOT FPID 443516-1 COUNTY: Hillsborough DESCRIPTION: El Prado Blvd. (from Omar Ave. to Lois Ave.) Complete Streets and Sidewalk Project Date: 4/25/2025								
ITEM NO.	ITEM DESCRIPTION	SEGMENT 1 QUANTITY	SEGMENT 2 QUANTITY	TOTAL QUANTITY	UNIT	UNIT COST in WORDS	UNIT COST*	COST PER ITEM
646-2-120	ALUMINUM POLE - INDEX 695-001, FURNISH & INSTALL, 20'	0	2	2	EA			
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	0	2	2	AS			
653-1-12	PEDESTRIAN SIGNAL, (F&I), LED COUNTDOWN, 2 WAY	0	1	1	AS			
653-1-60	POLE/PEDESTAL TO REMAIN	0	2	2	AS			
654-2-21	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR, COMPLETE SIGN ASSY- SINGLE DIRECTION	2	14	16	AS			
654-2-22	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR, COMPLETE SIGN ASSY- SINGLE DIRECTION	1	1	2	AS			
659-1-103	MOUNTING ASSEMBLY, REPAIR/REPLACE/RETRO- FURNISH & INSTALL, POLE MOUNTING ASSEMBLY	0	3	3	EA			
660-1-600	LOOP DETECTOR INDUCTIVE, REMOVE - CABINET TO REMAIN	4	6	10	EA			
660-4-11	VEHICLE DETECTION SYSTEM-VIDEO, F&I, CABINET EQUIPMENT	2	3	5	EA			
660-4-12	VEHICLE DETECTION SYSTEM-VIDEO, F&I, ABOVE GROUND EQUIPMENT	2	3	5	EA			
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	2	5	7	EA			
665-1-60	PEDESTRIAN DETECTOR, REMOVE-POLE/PEDESTAL TO REMAIN	2	4	6	EA			
676-1-500	TRAFFIC SIGNAL CONTROLLER CABINET, ADJUST AND MODIFY	2	3	5	EA			
700-1111	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, LESS THAN 12 SF	27	98	125	AS			
700-1112	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, LESS THAN 12-20 SF	2	5	7	AS			
700-1500	SINGLE COLUMN GROUND SIGN ASSEMBLY, RELOCATE	0	2	2	AS			
700-1600	SINGLE COLUMN GROUND SIGN ASSEMBLY, REMOVE	22	53	75	EA			
700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	10	12	22	EA			
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	2	0	2	EA			
700-13-15	RETROREFLECTIVE SIGN STRIP (F&I) (5')	11	16	27	EA			
704-1-1	TUBULAR MARKER (DURABLE) (36" WHITE POST)	28	75	103	EA			
705-11-1	DELINEATOR (FLEXIBLE TUBULAR)	21	22	43	EA			
706-1-3	RAISED PAVEMENT MARKER, TYPE B	160	486	646	SF			
710-12-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	638	704	1,342	SF			
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	1	1	2	LF			

(NON-PARTICIPATING)								
Project Number: City of Tampa # 24-C-00015; FDOT FPID 443516-1								
COUNTY: Hillsborough								
DESCRIPTION: El Prado Blvd. (from Omar Ave. to Lois Ave.) Complete Streets and Sidewalk Project								
Date: 4/25/2025								
		ROADWAY, DRAINAGE, AND UTILITIES						
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711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	283	521	804	LF			
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE / 6-10 GAP EXTENSION, 6"	0.576	0.623	1.199	GM			
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	12	43	55	EA			
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	13	30	43	EA			
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	98	347	445	LF			
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, 6-10 DOTTED, 6"	0.108	0.127	0.235	GM			
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	885	1,510	2,395	LF			
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	26	37	63	EA			
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	26	37	63	EA			
711-16-101	THERMOPLASTIC, STANDARD- OTHER SURFACES, WHITE, SOLID, 6"	2.552	4.099	6.651	GM			
711-16-131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	0.032	0.055	0.087	GM			
711-16-133	THERMOPLASTIC (STD-OTHER) (WHITE) (SKIP) (12") (3'- 9')	0.062	0.201	0.263	GM			
711-16-201	THERMOPLASTIC, STANDARD- OTHER SURFACES, YELLOW, SOLID, 6"	1.389	2.376	3.765	GM			
711-17-1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	0.000	442	442	SF			
920-714-100	GREEN COLORED PAVEMENT MARKINGS	10,754	11,991	22,745	SF			
SUBTOTAL								
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)			1	LS	Five hundred sixty thousand	\$560,000	\$560,000
GRAND TOTAL								

CONTRACT PLANS COMPONENTS

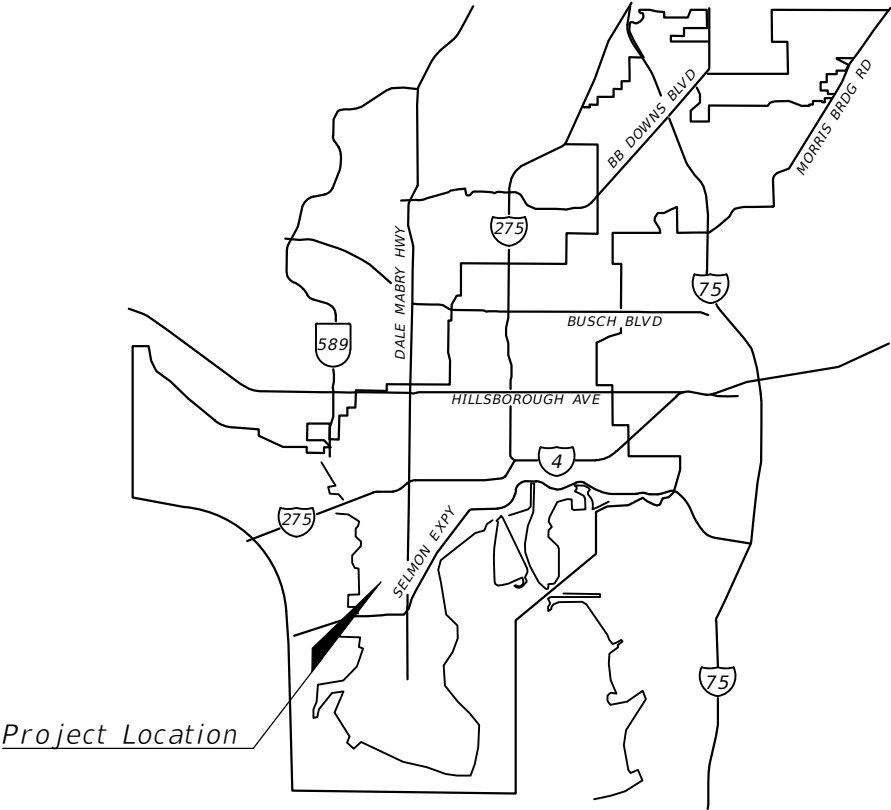
ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
LANDSCAPE PLANS

INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	LANDSCAPE NOTES
LD-3	PLANT SCHEDULE AND TABULATION OF QUANTITIES
LD-4 - LD-6	LANDSCAPE PLANS
LD-7	LANDSCAPE DETAILS
LD-8	TREE PROTECTION AND REMOVAL NOTES
LD-9	TREE TABLE
LD-10	TREE MITIGATION TABLE
LD-11 - LD-18	TREE PROTECTION AND REMOVAL PLANS
LD-19 - LD-21	TREE PROTECTION AND REMOVAL DETAILS
SQ-1 - SQ-2	SUMMARY OF QUANTITIES

CITY OF TAMPA
MOBILITY DEPARTMENT

CONTRACT PLANS
FINANCIAL PROJECT ID 443516-1-58-01
(FEDERAL FUNDS)
CONTRACT NUMBER 24-C-00015
HILLSBOROUGH COUNTY
EL PRADO BOULEVARD COMPLETE STREETS DESIGN
FROM OMAR AVENUE TO LOIS AVENUE
LANDSCAPE PLANS

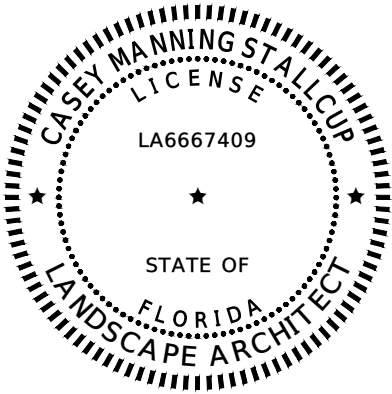


Project Location

Beginning of Project
STA. 500+00



Ending of Project
STA. 543+23.86



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY



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.

THE ABOVE NAMED LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G10-11.011, F.A.C.

LANDSCAPE PLANS
LANDSCAPE ARCHITECT OF RECORD:

CASEY STALLCUP RLA NO.: 6667409
AECOM TECHNICAL SERVICES, INC.
7650 W COURTNEY CAMPBELL CSWY
TAMPA FL 33607-1462
(813) 286-1711
CONTRACT NO.: C9550
VENDOR NO.: 95-2661922

CITY PROJECT MANAGER:
JORGE UY, P.E.

GOVERNING STANDARDS AND SPECIFICATIONS
FLORIDA DEPARTMENT OF TRANSPORTATION FY
2023-24 DESIGN STANDARDS AND REVISED
INDEX DRAWING AS APPENDED HEREIN, AND
FY 2023-24 STANDARD SPECIFICATIONS FOR
ROAD AND BRIDGE CONSTRUCTION, AS
AMENDED BY CONTRACT DOCUMENTS AND THE
CITY OF TAMPA.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
24-C-00015	2024	LD-1

LANDSCAPE NOTES:

1. THE WORK CONSISTS OF THE COMPLETE PLANT MATERIAL INSTALLATION AS SHOWN ON THE DRAWINGS AND AS HEREIN SPECIFIED. THIS WORK INCLUDES BUT IS NOT LIMITED TO THE PROTECTION OF EXISTING PALMS AND TREES, REMOVAL OF EXISTING PALMS AND TREES, THE SUPPLYING OF ALL PLANT MATERIAL SPECIFIED, THE FURNISHING OF LABOR, EQUIPMENT, AND MATERIALS CALLED FOR, AND PERFORMING ALL OPERATIONS IN CONNECTION WITH THE PLANTING INSTALLATION AS SHOWN ON THESE PLANS. FURTHER, THE WORK WILL INCLUDE THE MAINTENANCE OF ALL NEW PLANTS, PLANTING AREAS, AND SOD UNTIL FINAL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE AND THE FULFILLING OF GUARANTEE PROVISIONS SPECIFIED HEREIN.

2. BE FULLY ACQUAINTED WITH THE RELATED PAVING, LIGHTING, WATER SUPPLY, ELECTRICAL SUPPLY, AND OTHER UTILITIES TO PREVENT ANY MISUNDERSTANDING AND TO FACILITATE A TROUBLE FREE INSTALLATION. CALL THE SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770 PRIOR TO ANY CONSTRUCTION FOR UTILITY COORDINATION. IN ADDITION, NOTIFY THE UTILITY OWNERS A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO IDENTIFY UTILITY LINE LOCATIONS.

3. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGES TO EXISTING FACILITIES THAT MAY RESULT FROM WORK PERFORMED BY THE CONTRACTOR. THE WORK PERFORMED UNDER THIS CONTRACT WILL INTERFACE WITH OTHER WORK BEING PERFORMED BY OTHER CONTRACTORS. IT WILL BE NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE ACTIVITIES WITH OTHER CONTRACTORS AND THEIR SUBCONTRACTORS.

4. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT OF RECORD AND OWNER'S REPRESENTATIVE, PRIOR TO INSTALLATION OF SUCH MATERIALS.

5. IN THE EVENT DISCREPANCIES ARE NOTED BETWEEN THE PLANT LIST AND THE ACTUAL NUMBER OF PLANTS SHOWN ON THE PLANS, THE PLANS SHALL CONTROL. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IF DISCREPANCIES ARE FOUND.

6. PLANT MATERIALS WILL BE INSPECTED AT THE TIME OF DELIVERY TO THE JOB SITE BY THE OWNER'S REPRESENTATIVE. AFTER INSPECTION, IF THE WORK DOES NOT COMPLY WITH PROJECT REQUIREMENTS, CONTRACTOR WILL REPLACE REJECTED WORK AND CONTINUE SPECIFIED MAINTENANCE UNTIL WORK IS REINSPECTED AND FOUND TO BE ACCEPTABLE. REMOVE REJECTED PLANTS AND MATERIALS FROM THE SITE WITHIN 48 HOURS AND REPLACE WITH ACCEPTABLE MATERIALS.

7. INSTALL ALL MATERIALS AND EQUIPMENT IN A NEAT AND WORKMANLIKE MANNER. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO DIRECT THE REMOVAL AND REPLACEMENT OF ANY ITEMS WHICH DO NOT REPRESENT SUCH AN INSTALLATION.

8. ALL PLANT MATERIALS TO BE GRADE FLORIDA NO. 1, OR BETTER AS OUTLINED UNDER GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, FLORIDA DIVISION OF PLANT INDUSTRY, AND TO CONFORM TO ANSI STANDARDS FOR NURSERY STOCK (ANSI Z60.1-LATEST EDITION). REFER TO THE PLANT SCHEDULE FOR DETAILED SPECIFICATIONS FOR PLANTS. MAINTENANCE THROUGHOUT INSTALLATION AND WARRANTY PERIOD TO INCLUDE BUT IS NOT LIMITED TO REPLACEMENT, PRUNING, WATERING, FERTILIZATION, AND PEST AND DISEASE MANAGEMENT.

9. STAKE THE LOCATIONS OF ALL PROPOSED LANDSCAPING AND AMENITIES TO BE APPROVED BY LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

10. MULCH
MULCH MATERIAL TO BE PINE BARK NUGGETS. APPLY MULCH TO ALL PALM PLANTING PITS AT A MINIMUM 4' DIAMETER OR THE COMPLETE WIDTH OF PLANTING PIT, WHICHEVER IS GREATER. MAINTAIN A MINIMUM 3" WETTED DEPTH THROUGHOUT THE CONSTRUCTION AND ESTABLISHMENT PERIOD.

11. SUBMITTALS - AT A MINIMUM, SUPPLY THE FOLLOWING ITEMS AND SUBMIT TO THE LANDSCAPE ARCHITECT OF RECORD AND OWNER'S REPRESENTATIVE FOR APPROVAL:

A. PLANT MATERIAL DELIVERY ADVANCE NOTIFICATION. PROVIDE 5 WORKING DAYS ADVANCE NOTICE.

B. MANUFACTURER'S LABEL AND APPLICATION RATES FOR HERBICIDES, INSECTICIDES, FUNGICIDES AND PRE-EMERGENTS.
C. FERTILIZER ANALYSIS, MANUFACTURER'S LABEL AND APPLICATION RATES.

D. SAMPLES OF PINE BARK NUGGETS.

E. SAMPLES OF TOPSOIL AND PLANTING BACKFILL MIXTURE FOR SHRUBS AND PALMS.

F. PLANT STAKING LAYOUT REVIEW ADVANCE NOTIFICATION. PROVIDE 5 WORKING DAYS ADVANCE NOTICE.

G. TREE AND PALM STAKING AND GUYING KITS.

H. PRIOR TO DELIVERY TO THE SITE, SUBMIT A COLOR PHOTOGRAPH SUBMISSION FOR ALL TREES AND PALMS AND FOR EACH PLANT SPECIFIED TO THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE FOR APPROVAL. EACH PLANT PHOTOGRAPH APPROVED BY THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE TO BE THE MINIMUM STANDARD ACCEPTED FOR EACH PLANT SPECIES. SHOW THE ENTIRE PLANT AND HAVE A LEGIBLE SCALE IN PLANT PHOTOGRAPHS AND SHOW THE OVERALL HEIGHT AND SPREAD OF THE PLANT. INDICATE THE GENUS, SPECIES, AND SIZE OF THE PLANT IN THE PHOTO.

I. DOCUMENTATION OF PROPER HARDENING OFF OF BALLED AND BURLAPPED PLANT MATERIALS, SUPPLIED BY NURSERY OF ORIGIN. 60 DAYS MINIMUM HARDENING IS REQUIRED.

J. A SCHEDULE OF VALUES FOR ALL LANDSCAPE MATERIALS AND INCIDENTALS SPECIFIED IN THE PLANS AND MAINTENANCE SUPPLEMENTAL SPECIFICATION 580 SHALL BE SUBMITTED PRIOR TO COMMENCEMENT OF THE WORK.

K. A COPY OF THE LICENSES OF THE STATE LICENSED APPLICATORS OF FERTILIZERS, PESTICIDES, FUNGICIDES, HERBICIDES, AND PRE-EMERGENTS.

L. FINAL INSPECTION ADVANCE NOTICE. MINIMUM TEN WORKING DAYS.

12. AFTER INITIAL PLANTINGS HAVE BEEN COMPLETED AND PRIOR TO MULCHING, APPLY "CHIPCO RONSTAR G" OR APPROVED EQUAL WITH A PROPERLY CALIBRATED GRANULAR APPLICATOR . APPLY AT A RATE AS DIRECTED BY MANUFACTURER'S RECOMMENDATIONS, FOR PLANTED AREAS SPECIFIED. DO NOT APPLY PRE-EMERGENT CHEMICAL DIRECTLY ON ANY PLANT MATERIALS. SUBMIT MSDS AND APPLICATION RATE INFORMATION TO THE LANDSCAPE ARCHITECT OF RECORD AND OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO APPLICATION.

13. PLANTING SOIL

A. PROVIDE NEW TOPSOIL WHICH IS FERTILE, BLACK IN COLOR, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH, WEEDS, AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONES LARGER THAN 1/2 INCH IN ANY DIMENSION, AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.

B. OBTAIN TOPSOIL ONLY FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS IN A DEPTH OF NOT LESS THAN 1 INCH, WITH A pH RANGE BETWEEN 6.5 AND 7.5. TOPSOIL SHALL NOT BE OBTAINED FROM BOGS OR MARSHES.

C. PLANTING BACKFILL FOR PALMS TO CONSIST OF 50% NATIVE SOIL AND 50% COURSE SAND, EVENLY MIXED.

D. PLANTING BACKFILL FOR SHRUBS TO CONSIST OF ½ "BLENDED SOIL," ½ COARSE SAND, AND ½ EXISTING SOIL, THOROUGHLY MIXED. "BLENDED SOIL TO CONSIST OF ⅓ MUSHROOM COMPOST OR PEAT, ⅓ COMPOSTED COW MANURE, AND ⅓ COMPOSTED BARK.

E. TAKE RESPONSIBILITY FOR PERFORMING PERCOLATION TESTS PRIOR TO BACKFILLING WITH APPROVED PLANTING SOIL. NOTIFY THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE IMMEDIATELY IF PERCOLATION DOES NOT SUPPORT HEALTHY GROWTH OF PLANTINGS. PERFORM ONE TEST MINIMUM PER PLANTING SITE.

F. SUPPLY SAMPLES OF TOPSOIL AND PLANTING BACKFILL MIXTURE FOR PALMS AND SUBMIT TO THE LANDSCAPE ARCHITECT FOR APPROVAL.

14. PALM NOTES

THE FOLLOWING APPLIES TO REGENERATED ROOT SABAL PALMS.

A. PALMS WILL HAVE NEW REGENERATED ROUND TIPPED ROOTS THAT HAVE EMERGED FROM THE ROOT INITIATION ZONE AND ARE WHITISH YELLOW IN COLOR WITH TAPERED ENDS.

B. NEW REGENERATED ROOTS ARE PRESENT ON ALL SIDES OF THE ROOTBALL.

C. ENSURE PALMS HAVE BEEN PLACED IN CONTAINERS OR CONTAINED WITHIN PLASTIC FABRIC OR FILM MATERIAL AFTER HARVESTING AND DURING THE ROOT REGENERATION PERIOD.

D. PALMS WILL HAVE A MINIMUM OF THREE FULLY EXPANDING FRONDS. FRONDS TO MEET THE MINIMUM REQUIREMENTS TO BE CONSIDERED "EXCELLENT LEAVES" AS DEFINED BY THE GLOSSARY OF TERMS IN THE LATEST EDITION OF GRADES AND STANDARDS FOR NURSERY PLANTS - PALMS & CYCADS (FLORIDA DEPT. OF AGRICULTURE AND CONSUMER SERVICES).

15. CONTRACTOR TO WATER AND MAINTAIN ALL PLANT MATERIALS AND SOD FROM TIME OF INITIAL PLANTING, THROUGHOUT CONSTRUCTION AND WARRANTY PERIOD, UNTIL FINAL ACCEPTANCE BY THE OWNER. ALL PLANT MATERIALS TO BE ADEQUATELY WATERED AND MAINTAINED TO REMAIN IN FLORIDA NO. 1 GRADE CONDITION THROUGHOUT THE WARRANTY PERIOD.

A. THE FOLLOWING WATERING SCHEDULE IS PROVIDED AS A RECOMMENDATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SUFFICIENT WATER TO ENSURE PROPER ESTABLISHMENT AND VIGOR OF PLANT MATERIAL.

PLANT TYPE: WATERING SCHEDULE
SHRUBS AND GROUNDCOVERS: DAILY FOR 2 WEEKS; 3X PER WEEK FOR 2 MONTHS; WEEKLY UNTIL ESTABLISHED
PALMS:3X PER WEEK FOR 4 WEEKS; 2X PER WEEK FOR 4 WEEKS; WEEKLY UNTIL ESTABLISHED
SOD: DAILY FOR 1 WEEK; EVERY OTHER DAY FOR 2 WEEKS; 2X PER WEEK FOR 2 WEEKS

a. PALMS: AT EACH IRRIGATION, APPLY WATER TO SUFFICIENTLY SOAK THE ENTIRE ROOT ZONE. DO NOT WATER IF ROOT ZONE IS WET OR SATURATED ON THE IRRIGATION DAY.

b. SHRUBS: AT EACH IRRIGATION, APPLY WATER TO SUFFICIENTLY SOAK THE ENTIRE ROOT ZONE. DO NOT WATER IF ROOT ZONE IS WET OR SATURATED ON THE IRRIGATION DAY.

c. SOD: AT EACH IRRIGATION, APPLY WATER TO SUFFICIENTLY SOAK 3" BELOW DEPTH OF ROOT ZONE. DO NOT WATER IF ROOT ZONE IS WET OR SATURATED ON IRRIGATION DAY.

16. REPLACE IN KIND ALL SOD (GRASS) DAMAGED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.REPLACEMENT SOD TO BE LIVE, FRESH AND UNINJURED AT THE TIME OF PLANTING. SOD TO BE REASONABLY FREE OF WEEDS AND OTHER GRASS AND HAVE A SOIL MAT OF SUFFICIENT THICKNESS ADHERING FIRMLY TO THE ROOTS TO WITHSTAND ALL NECESSARY HANDLING. KEEP THE SOD SHADED AND MOIST UNTIL IT IS PLANTED. DUMPING FROM VEHICLES WILL NOT BE PERMITTED. DAMAGED SOD WILL BE REJECTED. REPLANT WITHIN 48 HOURS AFTER TIME OF HARVESTING OR KEEP SOD DAMP UNTIL PLANTED.

17. NOTIFY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT OF RECORD OF ANY CONFLICT OR DISCREPANCY IN PLANS AND/OR ACTUAL FIELD CONDITIONS PRIOR TO PERFORMING ANY WORK IN THE AFFECTED AREA.

18. CLEAN UP AND REMOVE ALL SURPLUS AND DISCARDED MATERIALS AND RUBBISH FROM THE CONSTRUCTION SITE ON A DAILY BASIS.

19. FINAL INSPECTION WILL NOT TAKE PLACE UNTIL ALL MATERIALS ARE PLANTED/INSTALLED CORRECTLY. REQUEST A FINAL INSPECTION BY OWNER'S REPRESENTATIVE IN WRITING. PROVIDE MINIMUM 10 WORKING DAYS ADVANCE NOTICE.

20. WARRANTY ALL PLANT MATERIAL FOR ONE (1) YEAR BEGINNING AT FINAL ACCEPTANCE.

21. PROPER SPACING OF PLANTS WILL TAKE PRECEDENCE OVER PLANT QUANTITIES IN THE PLANT SCHEDULE OR ON PLANS. ANY EXTRA PLANTS THAT WILL NOT FIT ON SITE DUE TO UNFORESEEN CONDITIONS WILL BECOME CITY OF TAMPA PROPERTY. THE CONTRACTOR WILL ROVIDE 48 HOURS NOTICE TO THE CITY THAT UNUSED PLANTS ARE AVAILABLE FOR THE CITY TO PICK UP.

22. ALL LANDSCAPE MATERIAL TO BE INSTALLED AND MAINTAINED AT ALL TIMES IN A MANNER WHEREBY TRAFFIC CONTROL SIGNAGE AND DEVICES ARE VISIBLE TO MOTORISTS AND PEDESTRIANS.

23. APPLICATION OF HERBICIDES TO BE PERFORMED BY A PERSON POSSESSING A CURRENT FLORIDA RESTRICTED USE PESTICIDE LICENSE IN THE CORE CURRICULUM, RIGHT-OF-WAY AND AQUATIC CATEGORIES.

24. IT IS THE CONTRACTOR'S RESPONSIBILITY TO APPLY THE APPROPRIATE FERTILIZER BASED ON LOCAL CONDITIONS. ASSUME THE FOLLOWING CONCERNING FERTILIZER. APPLY AT INSTALLATION AND AT 3 MONTH INTERVALS:

A. FERTILIZER IS ASSUMED TO BE CONTROLLED RELEASE FERTILIZER WITH A 15-9-12 ANALYSIS AND CONTAINING TRACE ELEMENTS MG, S, B, CU, FE, MN, MO, AND ZN.

B. FOR INITIAL INSTALLATION OF PALMS: FERTILIZER IS ASSUMED TO BE 100% CONTROLLED RELEASE FERTILIZER WITH A 8- 2- 12 (8N- 2P/20/5- 12K/20+4MG) ANALYSIS, AND CONTAINING TRACE ELEMENTS S, B, CU, FE, MN AND ZN.

C. FOR INITIAL INSTALLATION OF SOD: FERTILIZER IS ASSUMED TO BE CONTROLLED RELEASE FERTILIZER WITH A 16-4-8 ANALYSIS.

D. APPLY FERTILIZER PER MANUFACTURER RECOMMENDATIONS.

25. ALL COSTS ASSOCIATED WITH THE INSTALLATION AND ESTABLISHMENT OF PLANT MATERIAL THROUGHOUT CONSTRUCTION AND WARRANTY PERIOD THAT ARE NOT SPECIFICALLY ADDRESSED IN PAY ITEMS ARE INCLUDED IN THE INSTALLED COST OF PLANT MATERIAL (PAY ITEMS 580-1-1 AND 580-1-2). THIS INCLUDES BUT IS NOT LIMITED TO ALL COSTS FOR MULCH, WATERING, HERBICIDE, FERTILIZER, SOIL ENHANCEMENT AND STAKING.

26. MAINTENANCE AREA LIMITS
A TOTAL OF 3710 SF OF NEW PLANTING BEDS SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND ESTABLISHMENT PERIOD.

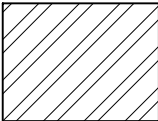
R E V I S I O N S				CASEY STALLCUP, RLA RLA NO. LA6667409 AECOM TECHNICAL SERVICES, INC. 7650 WEST COURTNEY CAMPBELL CSWY TAMPA, FL 33607	CITY OF TAMPA MOBILITY DEPARTMENT			LANDSCAPE NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LD-2
					OFF-SYS	HILLSBOROUGH	443516-1-58-01		

PLANT SCHEDULE AND TABULATION OF QUANTITIES										
PAY ITEM NO.	PAY SIZE	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	SPACING	REMARKS	UNIT	TOTAL	
									PLAN	FINAL
580-1-1	SMALL	BF	BULBINE FRUTESCENS 'HALLMARK'	HALLMARK STALKED BULBINE	1 GAL	12" OC	6" HT X 6" SPR, FULL	EA	124	
		CM	CARISSA MACROCARPA 'EMERALD BLANKET'	EMERALD BLANKET NATAL PLUM	3 GAL	30" OC	8" HT X 12" SPR, FULL	EA	151	
		JB	JUNIPERUS CONFERTA 'BLUE PACIFIC'	BLUE PACIFIC JUNIPER	1 GAL	36" OC	6" HT X 8" SPR, FULL TO POT	EA	68	
580-1-2	LARGE	SP	SABAL PALMETTO	SABAL PALM	FG	AS SHOWN ON PLANS	14'-16' CT, REGENERATED ROOTS & LEAVES, SLICK TRUNK, 10" CAL. MEASURED 24" ABOVE SOIL LEVEL	EA	2	

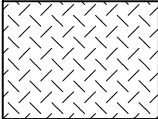
PLANT LEGEND



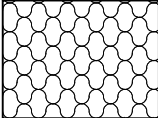
SABAL PALM (SP)



HALLMARK STALKED BULBINE (BF)



EMERALD BLANKET NATAL PLUM (CM)

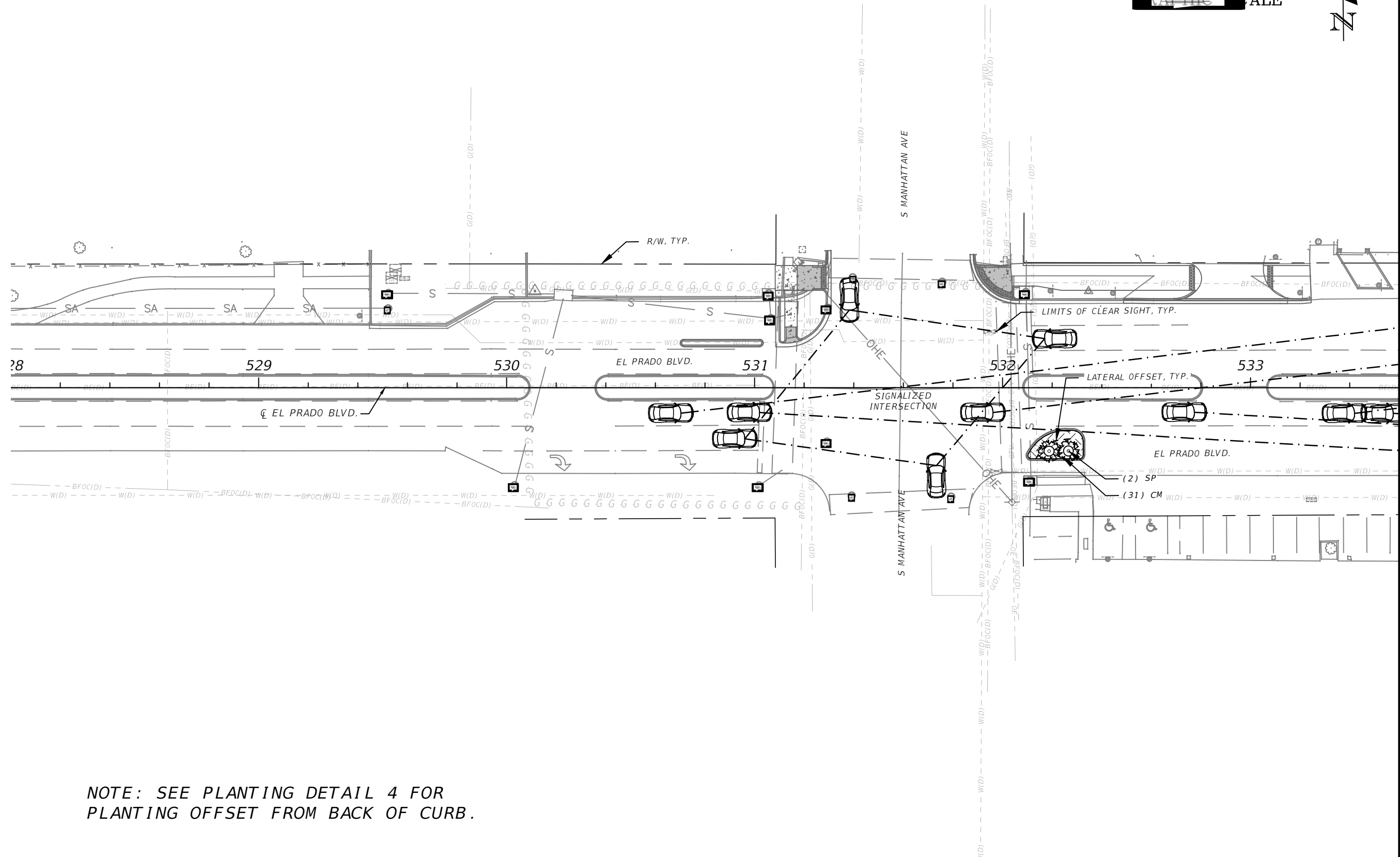


BLUE PACIFIC JUNIPER (JB)

ABBREVIATIONS:

CAL = CALIPER
CONT= CONTAINER
CT = CLEAR TRUNK
FG = FIELD GROWN
GAL = GALLON
HT = HEIGHT
MAX = MAXIMUM
MIN = MINIMUM
OC = ON CENTER
SPR = SPREAD
TYP = TYPICAL

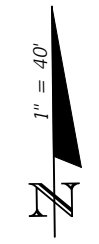
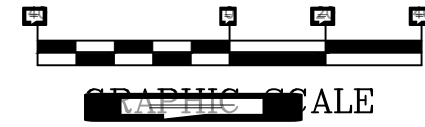
REVISIONS				CITY OF TAMPA MOBILITY DEPARTMENT	PLANT SCHEDULE AND TABULATION OF QUANTITIES			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				OFF-SYS	HILLSBOROUGH	443516-1-58-01		LD-3



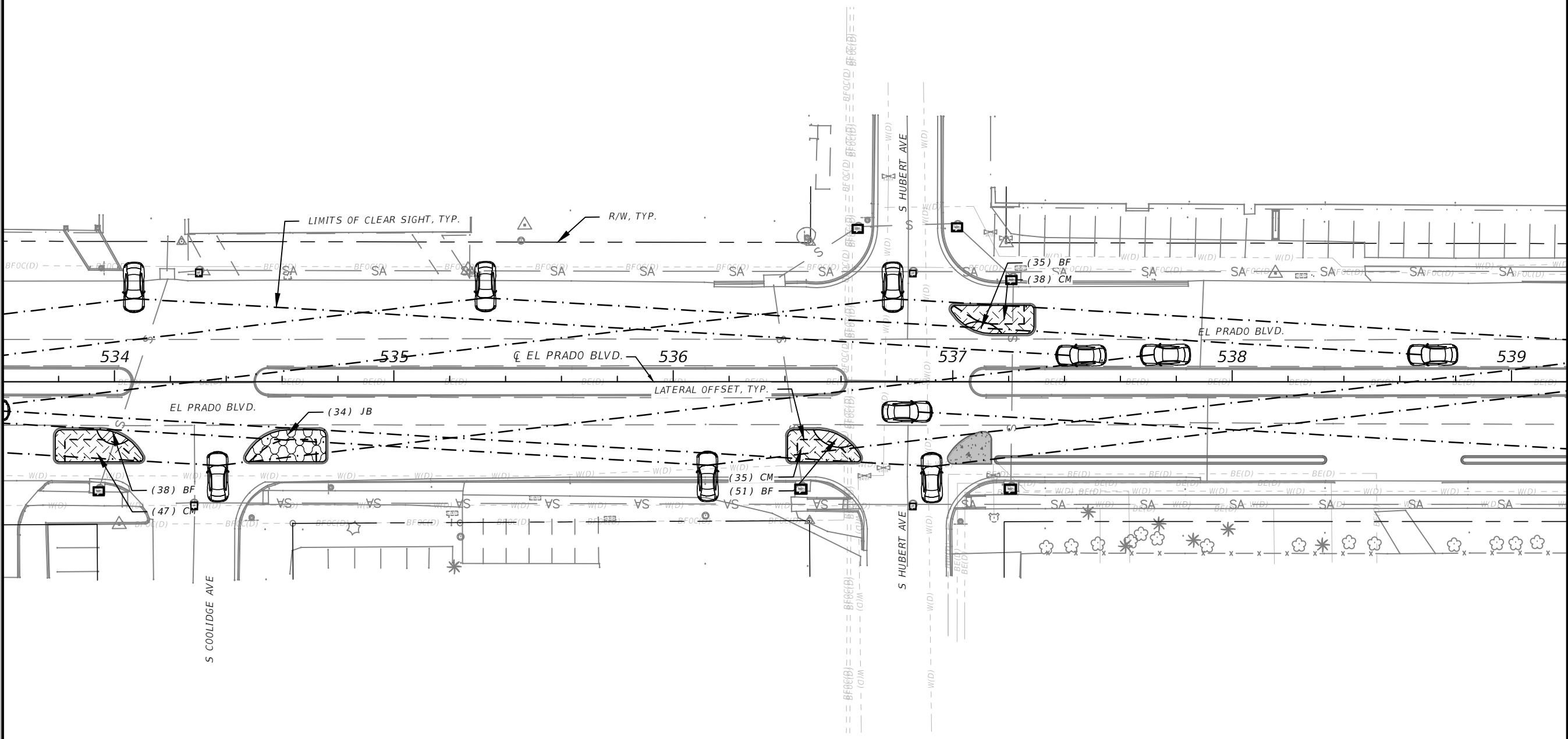
NOTE: SEE PLANTING DETAIL 4 FOR
PLANTING OFFSET FROM BACK OF CURB.

MATCHLINE STA. - 533+60.00

REVISIONS				CASEY STALLCUP, RLA RLA NO. LA6667409 AECOM TECHNICAL SERVICES, INC. 7650 WEST COURTNEY CAMPBELL CSWY TAMPA, FL 33607	CITY OF TAMPA MOBILITY DEPARTMENT			LANDSCAPE PLAN (6)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LD-4
					OFF-SYS	HILLSBOROUGH	443516-1-58-01		



MATCHLINE STA. - 533+60.00

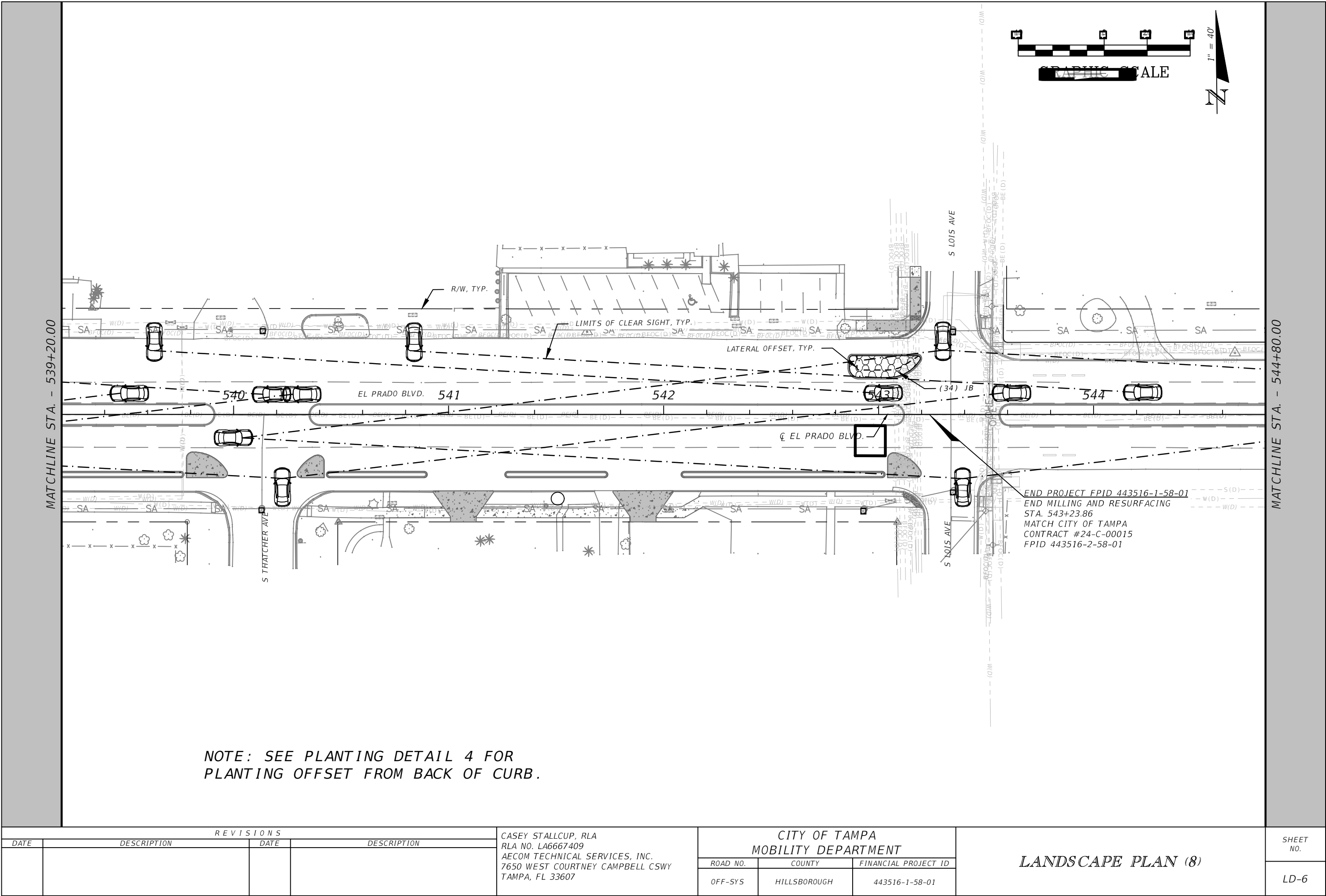


MATCHLINE STA. - 539+20.00

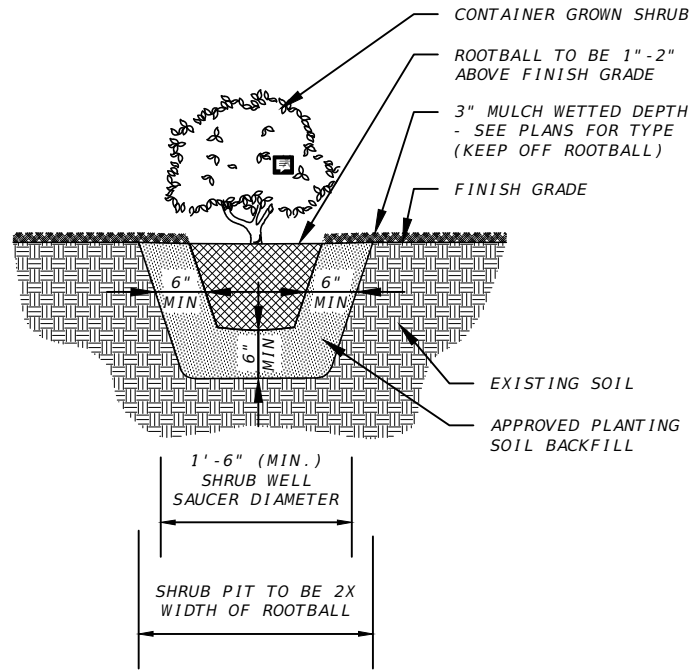
NOTE: SEE PLANTING DETAIL 4 FOR PLANTING OFFSET FROM BACK OF CURB.

REVISIONS				CASEY STALLCUP, RLA RLA NO. LA6667409 AECOM TECHNICAL SERVICES, INC. 7650 WEST COURTNEY CAMPBELL CSWY TAMPA, FL 33607	CITY OF TAMPA MOBILITY DEPARTMENT			LANDSCAPE PLAN (7)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LD-5
					OFF-SYS	HILLSBOROUGH	443516-1-58-01		

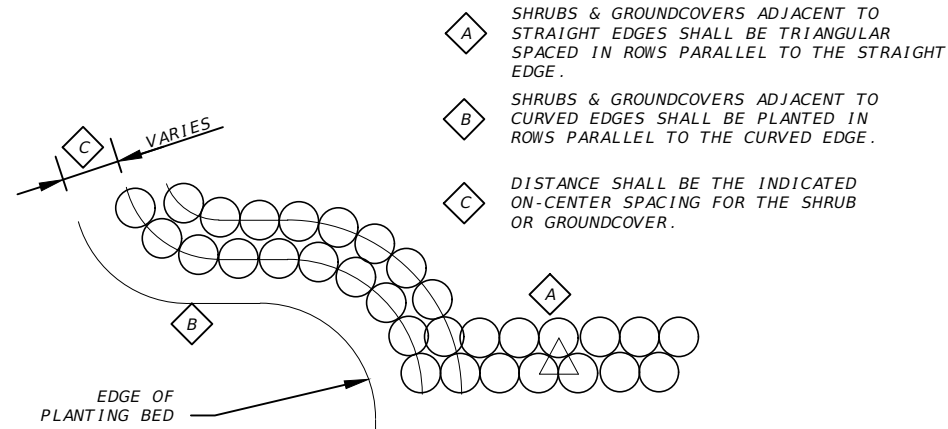
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.



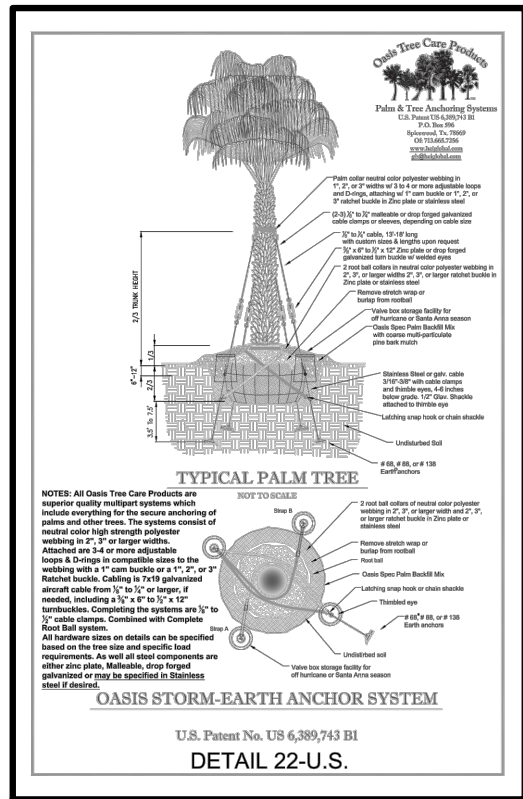
1 NTS SHRUB PLANTING DETAIL SECTION



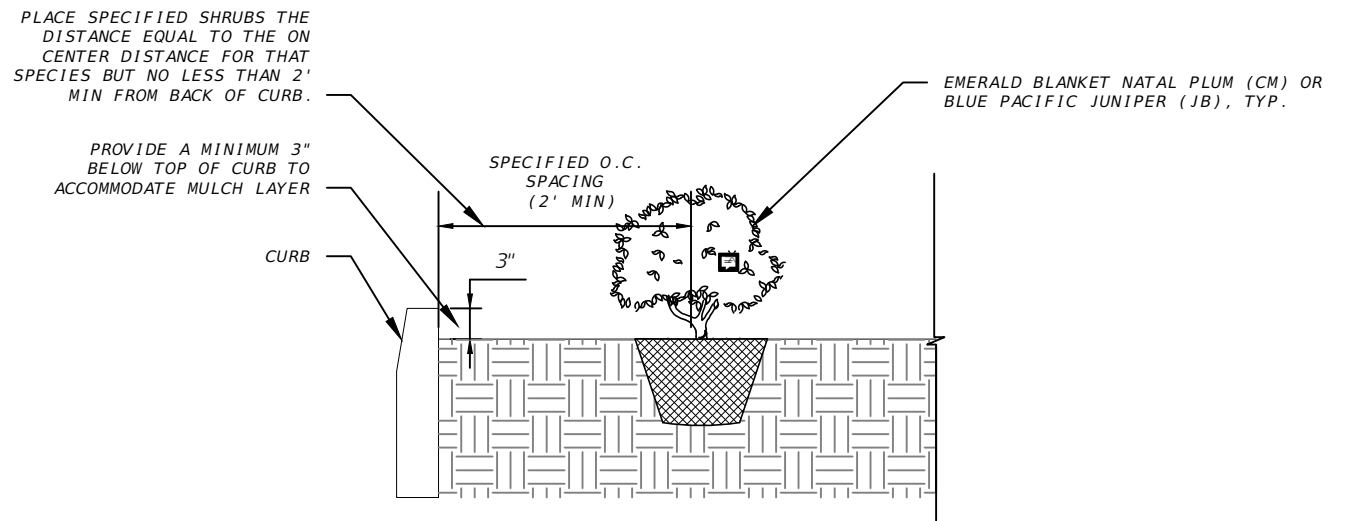
2 NTS SHRUB/GROUNDCOVER LAYOUT DETAIL PLAN

NOTES:

1. STAKING METHOD TO BE OASIS STORM-EARTH ANCHOR SYSTEM BY HCI GLOBAL OR APPROVED EQUAL.
2. ALTERNATE STAKING METHOD DETAIL MAY BE SUBMITTED TO THE LANDSCAPE ARCHITECT OF RECORD AND OWNER'S REPRESENTATIVE FOR REVIEW.
3. PROVIDE DRAINAGE FROM PLANTING HOLE IF COMPACTED SOILS OR POORLY DRAINED SOIL IS ENCOUNTERED.
4. THE TOP OF ROOT BALL SHALL BE SET 1" - 2" ABOVE FINISH GRADE AND SET PLUMB TO THE HORIZON.



3 NTS PALM PLANTING DETAIL - UNDERGROUND BRACING SECTION



4 NTS SHRUB PLANTING AT BACK OF CURB SECTION

REVISIONS				CITY OF TAMPA MOBILITY DEPARTMENT	LANDSCAPE DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID
				OFF-SYS	HILLSBOROUGH	443516-1-58-01

Stallcup, Casey

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TREE PROTECTION NOTES:

1. PROTECT TREES TO BE PRESERVED FROM DAMAGE BY PROVIDING TREE BARRIERS ERECTED PRIOR TO SITE CLEARING OR OTHER CONSTRUCTION ACTIVITIES. TREE BARRIERS SHALL BE INSPECTED BY OWNER'S REPRESENTATIVE. PROVIDE 72 HOURS ADVANCE NOTICE TO OWNER'S REPRESENTATIVE AND PROJECT CERTIFIED ARBORIST TO SCHEDULE AN INSPECTION OF BARRIERS AND ROOT PRUNING PRIOR TO CONSTRUCTION. DO NOT ROOT PRUNE OR INSTALL TREE BARRIERS BEYOND THE PROJECT LIMITS.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADHERING TO ALL TREE PROTECTION MEASURES REQUIRED BY THE CITY OF TAMPA CODES, ORDINANCES AND STANDARD SPECIFICATIONS. THIS WILL INCLUDE ALL TREE BARRIERS, ROOT PRUNING, AND TREE TRIMMING/PRUNING ACTIVITIES. THESE REQUIREMENTS WILL APPLY WITHIN THE SPECIFIED "LIMITS OF WORK" AND WILL ALSO BE APPLICABLE IN ALL AREAS WHERE THE CONTRACTOR AND/OR HIS SUBCONTRACTORS STAGE, STORE OR PARK VEHICLES, EQUIPMENT, MATERIALS AND DEBRIS.
3. ALL TREE WORK WILL CONFORM TO THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) 2001, AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS - TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE - STANDARD PRACTICES (PRUNING) ANSI A-300.
4. WHERE CALLED FOR ON THE PLANS, INSTALL TREE BARRIERS, EROSION CONTROL/SILT FENCING (ONLY IF REQUIRED TO PROTECT TREE FROM SILT, SILT FENCE IS NOT AN APPROVED TREE PROTECTION MEASURE) OR OTHER APPROVED PROTECTIVE BARRIERS AROUND ALL TREES TO BE PRESERVED, PER TREE PROTECTION DETAILS. WHERE APPLICABLE, AND SPECIFICALLY APPROVED BY THE OWNER'S REPRESENTATIVE, PROTECTIVE BARRIERS MAY BE PLACED IN ROOT PRUNE TRENCHES.
5. PRIOR TO ANY FIELD CHANGES TAKING PLACE, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE POTENTIAL IMPACTS TO EXISTING TREES WITH HIS CERTIFIED ARBORIST. INCLUDE RECOMMENDED MODIFICATIONS IN A WRITTEN PROPOSAL TO THE OWNER'S REPRESENTATIVE. THE OWNER'S REPRESENTATIVE MUST APPROVE, IN WRITING, ANY CHANGES TO THE APPROVED DESIGN PRIOR TO IMPLEMENTATION OF SAID CHANGE.
6. BE RESPONSIBLE TO AVOID ANY OPEN EXCAVATIONS, FILL OR OTHER CONSTRUCTION ACTIVITIES WHENEVER POSSIBLE WITHIN THE DRIPLINE OF ANY EXISTING TREE UNLESS SPECIFIED IN THE PLANS.
7. PROTECT THE ROOT SYSTEMS OF TREES TO BE PRESERVED. DO NOT STORE ANY EQUIPMENT OR ANY MATERIALS WITHIN THE DRIPLINE OF ANY TREE. DO NOT RINSE ANY TOOLS OR EQUIPMENT WITHIN THE DRIPLINE OF ANY TREE. WITHIN THE TREE BARRIER AREAS, DO NOT STORE CONSTRUCTION MATERIALS, FILL, DEBRIS, EXCAVATED MATERIALS AND CHEMICALS. DO NOT PARK OR OPERATE VEHICLES OR EQUIPMENT WITHIN BARRIERS.
8. TEMPORARY ACCESS WITHIN TREE BARRIERS WILL BE PERMITTED FOR ROOT PRUNING, REMOVAL OF EXISTING PLANT MATERIAL, AND THE INSTALLATION OF PROPOSED PLANT MATERIAL WHERE INDICATED ON THE LANDSCAPE PLANS. HAND REMOVE EXISTING PLANT MATERIAL IN LOCATIONS BENEATH EXISTING, PROTECTED TREES. DO NOT USE MACHINERY OR HEAVY EQUIPMENT TO CLEAR AND GRUB BENEATH EXISTING TREES. IMMEDIATELY RESTORE TREE BARRIERS UPON COMPLETION OF WORK.
9. MONITOR THE CONDITION OF THE BARRIERS DAILY AND REPAIR ANY BREACHES IMMEDIATELY.
10. ALL TREE PROTECTION MEASURES ARE TO REMAIN IN PLACE AT ALL TIMES DURING CONSTRUCTION UNTIL THE OWNER'S REPRESENTATIVE AUTHORIZES REMOVAL.
11. COORDINATE WITH THE OWNER'S REPRESENTATIVE TO OBTAIN APPROVAL IN ADVANCE OF ANY AND ALL WORK WITHIN THE DRIPLINE OF ANY EXISTING TREE.

ROOT EXCLUSION FABRIC NOTES

1. UTILIZE ROOT EXCLUSION FABRIC WHERE ROOT PRUNING OCCURS IN PLANS TO DELAY ROOT ENCROACHMENT ADJACENT TO NEW SIDEWALKS.
2. SEE DETAILS FOR SPECIFIC REQUIREMENTS FOR ROOT EXCLUSION FABRIC INSTALLATION.
3. MEET THE FOLLOWING SPECIFICATIONS FOR ROOT EXCLUSION FABRIC:
 - A. FIBERS USED IN THE MANUFACTURE OF ROOT CONTROL BARRIER SUBSTRATE FABRIC TO BE LONG CHAIN SYNTHETIC POLYOLEFINS (AT LEAST 95% BY WEIGHT) AND A UV STABILIZER. FIBERS TO BE FORMED INTO A STABLE NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN THEIR DIMENSIONAL STABILITY RELATIVE TO EACH OTHER.
 - B. NODULES CONSISTING OF TRIFLURALIN, CARBON BLACK, AND POLYETHYLENE COMPOUNDED IN A PATENTED METHOD UTILIZING TIME-RELEASED CHARACTERISTICS ARE PERMANENTLY ATTACHED TO THE SUBSTRATE FABRIC ON 1-1/2" CENTERS BY A THROUGH INJECTION MOLDING PROCESS.
 - C. ALL SUBSTRATE PROPERTY VALUES, WITH THE EXCEPTION OF APPARENT OPENING SIZE (AOS), IN THESE SPECIFICATIONS REPRESENT MINIMUM AVERAGE ROLL VALUES (MARV) IN THE WEAKEST PRINCIPAL DIRECTION (I.E., AVERAGE TEST RESULTS OF ANY ROLL IN A LOT SAMPLED FOR CONFORMANCE OR QUALITY ASSURANCE TESTING TO MEET OR EXCEED THE MINIMUM VALUES PROVIDED HEREIN). VALUES FOR AOS REPRESENT MAXIMUM AVERAGE ROLL VALUES.

ROOT PRUNING NOTES:

1. THE CONTRACTOR'S ARBORIST WILL MEET WITH THE CITY'S ARBORIST AT LEAST 1 DAY PRIOR TO SCHEDULED ROOT PRUNING ACTIVITY TO REVIEW AND AGREE ON PROPOSED ROOT PRUNING. RECORD THE AGREEMENT. THE CITY ARBORIST TO PROVIDE APPROVAL FOR CONTRACTOR'S ARBORIST TO PERFORM AGREED ROOT PRUNING.
2. PERFORM ROOT PRUNING AS FAR IN ADVANCE OF OTHER CONSTRUCTION ACTIVITIES AS IS FEASIBLE, BUT AT A MINIMUM PERFORM PRIOR TO ANY IMPACTS TO THE SOIL. IMPLEMENT ASSOCIATED TREE PROTECTION MEASURES UPON COMPLETION OF SAID ROOT PRUNING.
3. ALL ROOT PRUNING ON EXISTING TREES TO BE PRESERVED WILL ONLY BE PERFORMED BY OR UNDER THE DIRECT SUPERVISION OF AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST. CERTIFIED ARBORIST SHALL HAVE A MINIMUM OF 5 YEARS EXPERIENCE ON SIMILAR PROJECTS. SUBMIT THE CERTIFIED ARBORIST'S CERTIFICATION AND PROJECT EXPERIENCE TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PERFORMING THE WORK.
4. PERFORM ROOT PRUNING AT LOCATIONS SPECIFIED IN THE PLANS TO ACCOMMODATE THE INSTALLATION OF CONCRETE SIDEWALK OR FLEXI-PAVE.
5. PERFORM ROOT PRUNING IN ACCORDANCE WITH ANSI A300 (PART 8) - 2020 ROOT MANAGEMENT, AND THE ISA BMP ROOT MANAGEMENT COMPANION PUBLICATION.
6. TAKE EXCEPTIONAL CARE IF THERE IS A LIKELIHOOD OF EXCESSIVE WIND AND/OR RAIN, ON ANY ROOT PRUNING ACTIVITIES.
7. CUT ROOTS CLEANLY, AS FAR FROM THE TRUNK OF THE TREE AS POSSIBLE. PERFORM ROOT PRUNING USING AN AIR SPADE OR HAND DUG. TREAT SEVERED ROOTS WITH FUNGICIDE. OBTAIN APPROVAL BY THE OWNER'S REPRESENTATIVE FOR ALTERNATE EQUIPMENT OR TECHNIQUES, PRIOR TO ANY WORK ADJACENT TO TREES TO BE PRESERVED.
8. FOLLOWING COMPLETION OF ROOT PRUNING, BACKFILL THE TRENCH WITH NATIVE SOILS. BACKFILLING SHALL OCCUR AT THE END OF EACH DAY. DO NOT LEAVE ROOTS EXPOSED FOR MORE THAN 8 HOURS. APPLY A SOIL DRENCH FUNGICIDE AT THE MANUFACTURER'S RECOMMENDED RATE TO THE TRENCH AREAS WITHIN FIVE DAYS FOLLOWING COMPLETION OF ROOT PRUNING OR AS DIRECTED BY ISA CERTIFIED ARBORIST.
9. UPON COMPLETION OF THE ROOT PRUNING, THE CONTRACTOR'S ARBORIST WILL NOTIFY CITY ARBORIST AND MEET ON SITE TO INSPECT THE ROOT PRUNING. ENSURE ROOT PRUNING IS COMPLETED, INSPECTED, AND ACCEPTED PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION OR OTHER IMPACTS TO THE DRIPLINE OF TREES TO BE PROTECTED.
10. UPON COMPLETION OF INSPECTION, THE CITY'S ARBORIST WILL RECORD THE RESULTS AND SHARE WITH CONTRACTOR.
11. ENSURE EXCAVATIONS IN AN AREA WHERE ROOTS ARE PRESENT DO NOT CAUSE THE TEARING OR RIPPING OF TREE ROOTS. ROOTS MUST FIRST BE CLEANLY SEVERED PRIOR TO CONTINUING WITH THE EXCAVATION, OR TUNNELED AROUND TO PREVENT DAMAGE TO THE ROOT.
12. DO NOT EXPOSE TREE ROOTS TO OPEN AIR AND RISK OF DRYING OUT. COVER ROOT ENDS WITH NATIVE SOIL OR BURLAP AND KEEP MOIST UNTIL FINAL BACKFILL OR FINAL GRADES HAVE BEEN ESTABLISHED. RESTORE ANY SOD OR MULCH WITHIN LIMITS OF ROOT PRUNING TRENCH.
13. WHEN DEEMED APPROPRIATE (E.G. DURING PERIODS OF DROUGHT) THE OWNER'S REPRESENTATIVE MAY REQUIRE A TEMPORARY IRRIGATION SYSTEM BE UTILIZED WITHIN THE REMAINING DRIPLINES OF ROOT PRUNED TREES.
14. EVALUATE ROOT-PRUNED TREES TO DETERMINE NEED FOR SUPPLEMENTAL WATER. CONTRACTOR'S CERTIFIED ARBORIST TO PROVIDE WATERING RECOMMENDATIONS FOR IMPACTED TREES INCLUDING METHOD OF APPLICATION, QUANTITY PER APPLICATION AND FREQUENCY. THE OWNER'S REPRESENTATIVE AND PROJECT LANDSCAPE ARCHITECT WILL REVIEW AND APPROVE ANY RECOMMENDATIONS BY THE CONTRACTOR'S ARBORIST.
15. THE FOLLOWING WATERING SCHEDULE IS PROVIDED AS A RECOMMENDATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SUFFICIENT WATER TO MAINTAIN VIGOR OF PLANT MATERIAL TO BE PROTECTED.

PLANT TYPE: WATERING SCHEDULE

TREES: DAILY FOR 1 WEEK; 3X PER WEEK FOR 2 WEEKS; WEEKLY UNTIL ESTABLISHED

- A. TREES: AT EACH IRRIGATION, APPLY WATER TO SUFFICIENTLY SOAK THE ENTIRE ROOT ZONE. DO NOT WATER IF ROOT ZONE IS WET OR SATURATED ON THE IRRIGATION DAY.

TREE STUMP REMOVAL NOTES

1. GRIND TREES STUMPS TO A MINIMUM OF 4" BELOW GRADE. RAKE AND REMOVE ALL DEBRIS INCLUDING ALL WOOD CHIPS AND SAWDUST. DISPOSE OF OFF-SITE IN ACCORDANCE WITH LOCAL LAWS.
2. ADD A MINIMUM OF 3" TOPSOIL TO DISTURBED AREAS AND RAKE SMOOTH. FINISH GRADE TO BE SUCH THAT NEW SOD LAID IN THESE AREAS SHALL BE FLUSH WITH SURROUNDING EXISTING TURF. SEE LANDSCAPE NOTES 13.A. AND 13.B. FOR TOPSOIL REQUIREMENTS.
3. PLANT SOD IN EACH TREE REMOVAL AREA. DELIVER IN 12" X 24" RECTANGLES AND MATCH EXISTING. BUTT PIECES TIGHTLY TOGETHER AND TRIM EDGES TO FIRMLY FIT DISTURBED AREA. ROLL SOD TO ENSURE SMOOTH FINISH GRADE. SEE LANDSCAPE NOTES FOR MORE INFORMATION ON SOD.

R E V I S I O N S				CITY OF TAMPA MOBILITY DEPARTMENT			TREE PROTECTION AND REMOVAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				OFF-SYS	HILLSBOROUGH	443516-1-58-01		LD-8

SHEET NO.	TREE NO.	FL GRADES AND STDS TYPE	PROTECTIVE ROOT ZONE (RADIUS IN FT)	BOTANICAL NAME	COMMON NAME	DBH (INCHES)	DISPOSITION
12	536871583	PALM	3	ADONIDIA MERRILLII	CHRISTMAS PALM	MULTI 3-5-6	REMAIN
12	536871605	N/A	3	CYCAS	REVOLUTA	8	REMAIN
13	536872040	PALM	3	ADONIDIA MERRILLII	CHRISTMAS PALM	10	REMAIN
12	536872041	PALM	3	SABAL PALMETTO	SABAL PALM	14	REMAIN
13	536872052	1	10	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	16	REMAIN
13	536872062	PALM	10	PHOENIX ROEBELENI	PYGMY DATE PALM	MULTI 3-3	REMAIN
13	536872063	PALM	10	PHOENIX ROEBELENI	PYGMY DATE PALM	UNKNOWN	REMAIN
13	536872064	PALM	10	PHOENIX ROEBELENI	PYGMY DATE PALM	MULTI 3-3-3	REMAIN
13	536872072	1	10	QUERCUS LAURIFOLIA	LAUREL OAK	14	REMAIN
13	536872084	1	20	QUERCUS LAURIFOLIA	LAUREL OAK	32	REMAIN
13	536872090	1	15	QUERCUS LAURIFOLIA	LAUREL OAK	26	REMAIN
13	536872095	PALM	10	WASHINGTONIA ROBUSTA	WASHINGTON PALM	12	REMAIN
13	536872096	PALM	10	WASHINGTONIA ROBUSTA	WASHINGTON PALM	11	REMAIN
13	536872097	1	N/A	DELONIX REGIA	ROYAL POINCIANA	1	REMOVE
14	536872262	3	10	COCCOLOBA UVIFERA	SEAGRAPE	MULTI	REMAIN
14	536872266	1	15	QUERCUS LAURIFOLIA	LAUREL OAK	27	REMAIN
14	536872268	1	10	QUERCUS VIRGINIANA	LIVE OAK	22	REMAIN
14	536872282	1	20	QUERCUS VIRGINIANA	LIVE OAK	MULTI 27-35-35	REMAIN
14	536872312	1	N/A	TAXODIUM DISTICHUM	BALD CYPRESS	2	REMOVE
14	536872313	1	N/A	DELONIX REGIA	ROYAL POINCIANA	1	REMOVE
14	536872317	1	N/A	TAXODIUM DISTICHUM	BALD CYPRESS	2	REMOVE
14	536872401	PALM	3	SYGARUS ROMANZOFFIANA	QUEEN PALM	5	REMAIN
14	536872402	PALM	3	PHOENIX ROEBELENI	PYGMY DATE PALM	MULTI 3-3-3	REMAIN
14	536872403	PALM	3	PHOENIX ROEBELENI	PYGMY DATE PALM	MULTI 3-3-3	REMAIN
14	536872404	PALM	3	PHOENIX ROEBELENI	PYGMY DATE PALM	MULTI 3-3-3	REMAIN
14	536872410	1	10	QUERCUS VIRGINIANA	LIVE OAK	7	REMOVE
14	536872411	1	10	QUERCUS VIRGINIANA	LIVE OAK	6	REMOVE
15	536872598	1	15	QUERCUS VIRGINIANA	LIVE OAK	25	REMAIN
15	536872731	1	15	QUERCUS VIRGINIANA	LIVE OAK	24	REMAIN
15	536872732	1	20	QUERCUS VIRGINIANA	LIVE OAK	34	REMAIN
15	536872733	1	10	QUERCUS VIRGINIANA	LIVE OAK	10	REMAIN
15	536872734	1	10	QUERCUS VIRGINIANA	LIVE OAK	22	REMAIN
15	536872735	1	10	QUERCUS VIRGINIANA	LIVE OAK	13	REMAIN
15	536872736	1	15	QUERCUS VIRGINIANA	LIVE OAK	29	REMAIN
15	536872794	PALM	3	SYGARUS ROMANZOFFIANA	QUEEN PALM	12	REMAIN
15	536872795	1	10	CARYA ILLINOINENSIS	PECAN	MULTI 13-16	REMOVE
15	536872797	1	20	QUERCUS VIRGINIANA	LIVE OAK	45	REMAIN
15	536872813	1	10	CARYA ILLINOINENSIS	PECAN	MULTI 4-5-6-9	REMAIN
15	536872815	1	20	QUERCUS VIRGINIANA	LIVE OAK	37	REMAIN
15	536872835	3	10	LAGERSTROEMIA SPP.	CRAPE MYRTLE	MULTI 4-4	REMAIN
16	536872837	1	10	QUERCUS LAURIFOLIA	LAUREL OAK	13	REMAIN
18	536876370	1	10	QUERCUS VIRGINIANA	LIVE OAK	9	REMOVE
18	536876371	1	10	QUERCUS VIRGINIANA	LIVE OAK	8	REMAIN
18	536876377	1	10	QUERCUS VIRGINIANA	LIVE OAK	MULTI 7-13-13	REMAIN
11	536881117	PALM	10	SABAL PALMETTO	SABAL PALM	16	REMAIN
17	536881518	2	15	PINUS ELIOTTII	SLASH PINE	30	REMAIN
17	536881825	PALM	10	SABAL PALMETTO	SABAL PALM	12	REMAIN
18	536881896	2	10	PINUS ELIOTTII	SLASH PINE	15	REMAIN

REVISIONS				CITY OF TAMPA MOBILITY DEPARTMENT	TREE TABLE	SHEET NO.		
DATE	DESCRIPTION	DATE	DESCRIPTION					
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID
						OFF-SYS	HILLSBOROUGH	443516-1-58-01

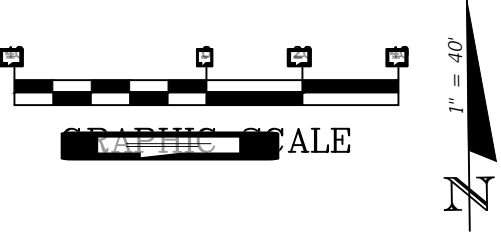
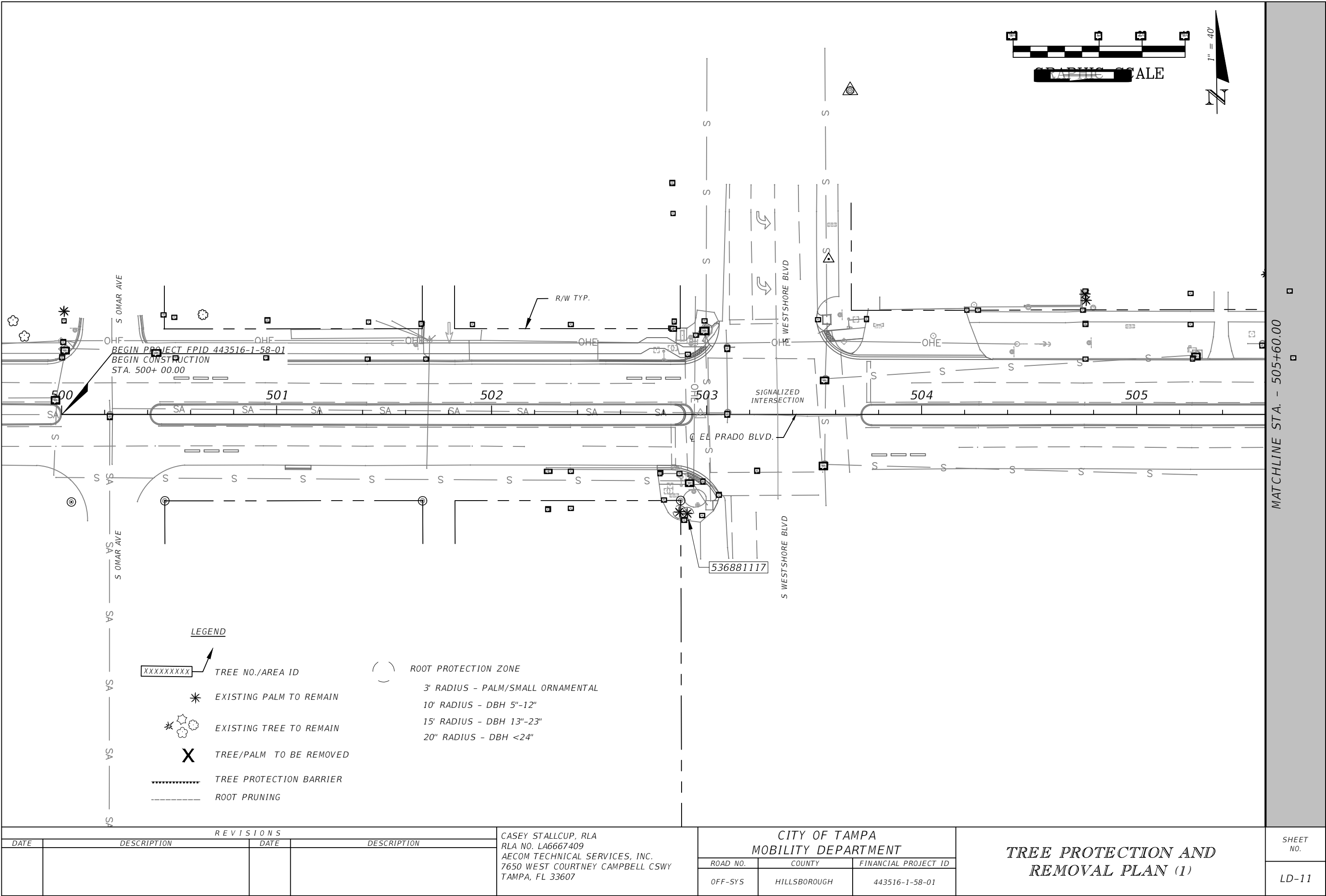
Stallcup, Casey

1/26/2024 11:49:01 AM

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				TABLE 284.4.1-A: TREE RETENTION-MITIGATION EQUIVALENCY TABLES BY TREE TYPE [6]																
				TYPE 1: TALL & WIDE		# of trees	Retention Multiplier	Total Credits	Grand Trees Retained	# of trees	# Mitigation Trees	Total Credits								
				Trees Retained																
				Diameter (inches) / Dripline (feet)																
				5" to 10"																
				11" to 20"																
				21" to 25"																
				26" to <32"																
				Subtotal		25		-130		Subtotal			0							
				Trees Removed		# of trees	Replacement Multiplier	Total Debits	Grand Trees Removed	# of trees	# Mitigation Trees	Total Debits								
				Diameter (inches) / Dripline (feet)																
				5" to 10"																
				11" to 20"																
				21" to 25"																
				26" to <32"																
				Subtotal		4		5		Subtotal			0							
				Type 1: Total Mitigation Trees Required											-125					
				TYPE 2: TALL & NARROW		# of trees	Retention Multiplier	Total Credits	Grand Trees Retained	# of trees	# Mitigation Trees	Total Credits								
				Trees Retained																
				Diameter (inches) / Dripline (feet)																
				5" to 17"																
				18" to 29"																
				30" to <32"																
				Subtotal									2		-2		Subtotal			0
				Trees Removed		# of trees		Replacement Multiplier		Total Debits			Grand Trees Removed	# of trees	# Mitigation Trees	Total Debits				
				Diameter (inches) / Dripline (feet)																
				5" to 17"																
				18" to 29"																
				30" to <32"																
				Subtotal			0		0		Subtotal						0			
				Type 2: Total Mitigation Trees Required													-2			
				TYPE 3: SHORT & WIDE/MULTI-STEM			# of trees		Retention Multiplier	Total Credits	Grand Trees Retained	# of trees		# Mitigation Trees			Total Credits			
				Trees Retained																
				Diameter (inches) / Dripline (feet)																
				5" to 7"																
				8" to 17"																
				18" to 29"																
				30" to <32"																
				Subtotal		2		-2		Subtotal			0							
				Trees Removed		# of trees	Replacement Multiplier	Total Debits	Grand Trees Removed	# of trees	# Mitigation Trees	Total Debits								
				Diameter (inches) / Dripline (feet)																
				5" to 7"																
				8" to 17"																
				18" to 29"																
				30" to <32"																
				Subtotal		0		0		Subtotal			0							
				Type 3: Total Mitigation Trees Required											-2					
				PALMS		# of trees	Retention Multiplier	Total Credits	Trees Removed	# of trees	Replacement Multiplier	Total Debits								
				Trees Retained																
				Palms with ≥6' clear trunk																
				Subtotal		9		-9		Subtotal			0							
				Palm: Total Mitigation Trees Required											0					
				NOTES:																
				[1] All grand tree species calculated at “moderate” growth rate and using 10” caliper tree as standard 5-Year Parity (i.e. 154 SF replacement Crown Footprint per 2.5” caliper tree planted).																
				[2] Species Rating % standardized to mid-point of range. SR ["Species Rating"]: Rating denotes comparative value by species, based on suitability & performance as 'urban trees', using FL ISA's Tree Species Ratings (2016); recorded as PERCENT. If SR not available, use CR value (see Table 284.3.2-A City of Tampa Tree Matrix).																
				[3] CR ["Condition Rating"]: Rating using Tree Hazard Evaluation Method (Matheny and Clark 1994); recorded as a PERCENT ['A'=100%, 'B'=90%, 'C'=75%, 'D'=40%, 'F'=0%].																
				[4] Refer to Table 284.4.1-A1 Range of Species Ratings below.																
				[5] Credit for grand tree retention is calculated in the same manner as debits.																
				[6] All mitigation trees measuring less than 5” shall be factored into this table as a 5” tree.																
				Reference : “ft” means “feet;” “in” means “inches;” “SF” means “square feet;” “cal” means “caliper.”																
REVISIONS				CASEY STALLCUP, RLA RLA NO. LA6667409 AECOM TECHNICAL SERVICES, INC. 7650 WEST COURTNEY CAMPBELL CSWY TAMPA, FL 33607				CITY OF TAMPA MOBILITY DEPARTMENT			TREE MITIGATION TABLE		SHEET NO.							
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID												
						OFF-SYS	HILLSBOROUGH	443516-1-58-01												
												LD-10								



LEGEND

XXXXXXXXXX

TREE NO./AREA ID

*

EXISTING PALM TO REMAIN

* * * * *

EXISTING TREE TO REMAIN

X

TREE/PALM TO BE REMOVED

TREE PROTECTION BARRIER

ROOT PRUNING

()

ROOT PROTECTION ZONE

3' RADIUS - PALM/SMALL ORNAMENTAL

10' RADIUS - DBH 5"-12"

15' RADIUS - DBH 13"-23"

20" RADIUS - DBH <24"

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CASEY STALLCUP, RLA
RLA NO. LA6667409
AECOM TECHNICAL SERVICES, INC.
7650 WEST COURTNEY CAMPBELL CSWY
TAMPA, FL 33607

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
OFF-SYS	HILLSBOROUGH	443516-1-58-01

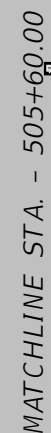
TREE PROTECTION AND
REMOVAL PLAN (1)

SHEET NO.

LD-11

MATCHLINE STA. - 505+60.00

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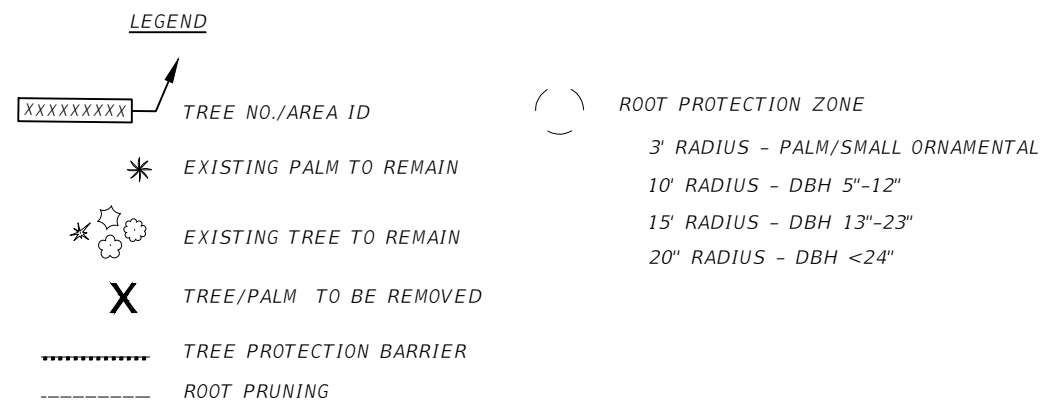
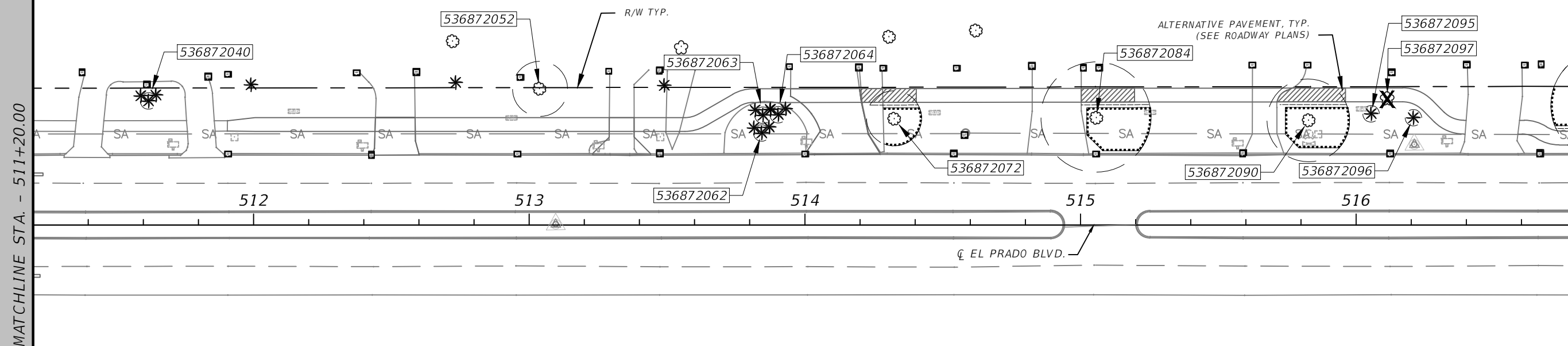
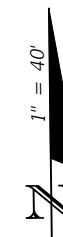
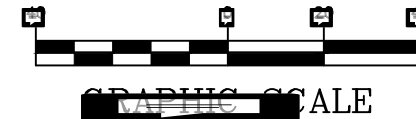


MATCHLINE STA. - 511+20.00

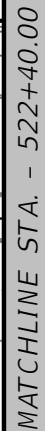
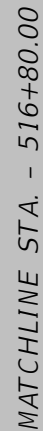
ROOT PRUNING

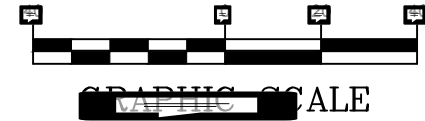
20" RADIUS - DBH <24"

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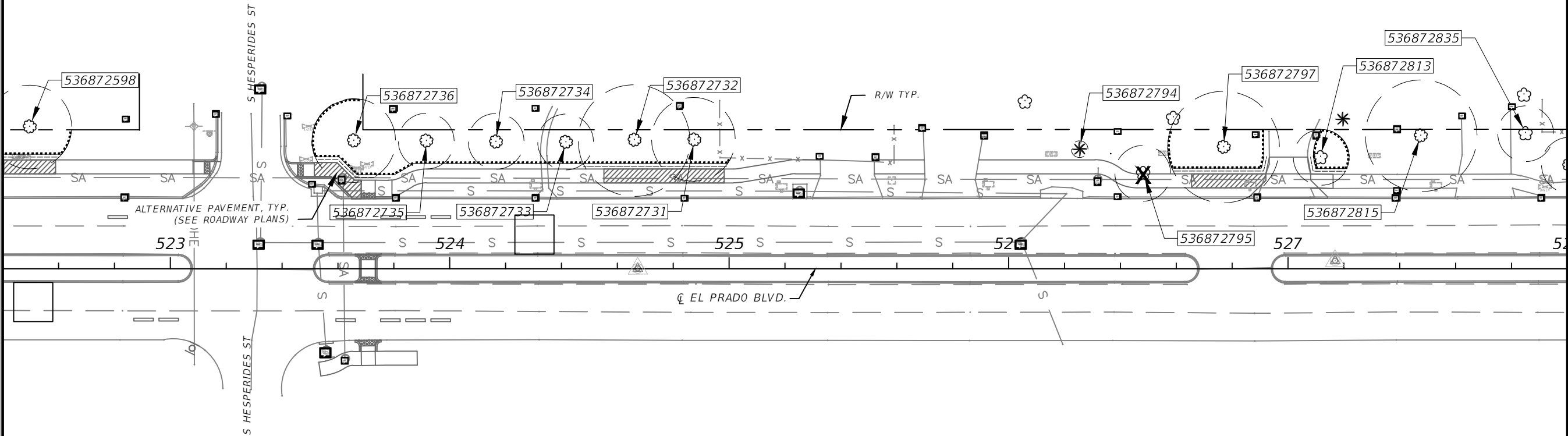


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LD-13
					OFF-SYS	HILLSBOROUGH	443516-1-58-01		





MATCHLINE STA. - 522+40.00



MATCHLINE STA. - 528+00.00

LEGEND

XXXXXXXXXX

TREE NO./AREA ID

*

EXISTING PALM TO REMAIN

*

EXISTING TREE TO REMAIN

X

TREE/PALM TO BE REMOVED

TREE PROTECTION BARRIER

ROOT PRUNING

ROOT PROTECTION ZONE

3' RADIUS - PALM/SMALL ORNAMENTAL

10' RADIUS - DBH 5"-12"

15' RADIUS - DBH 13"-23"

20' RADIUS - DBH <24"

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

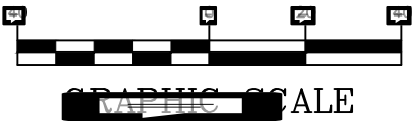
CASEY STALLCUP, RLA
RLA NO. LA6667409
AECOM TECHNICAL SERVICES, INC.
7650 WEST COURTNEY CAMPBELL CSWY
TAMPA, FL 33607

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
OFF-SYS	HILLSBOROUGH	443516-1-58-01

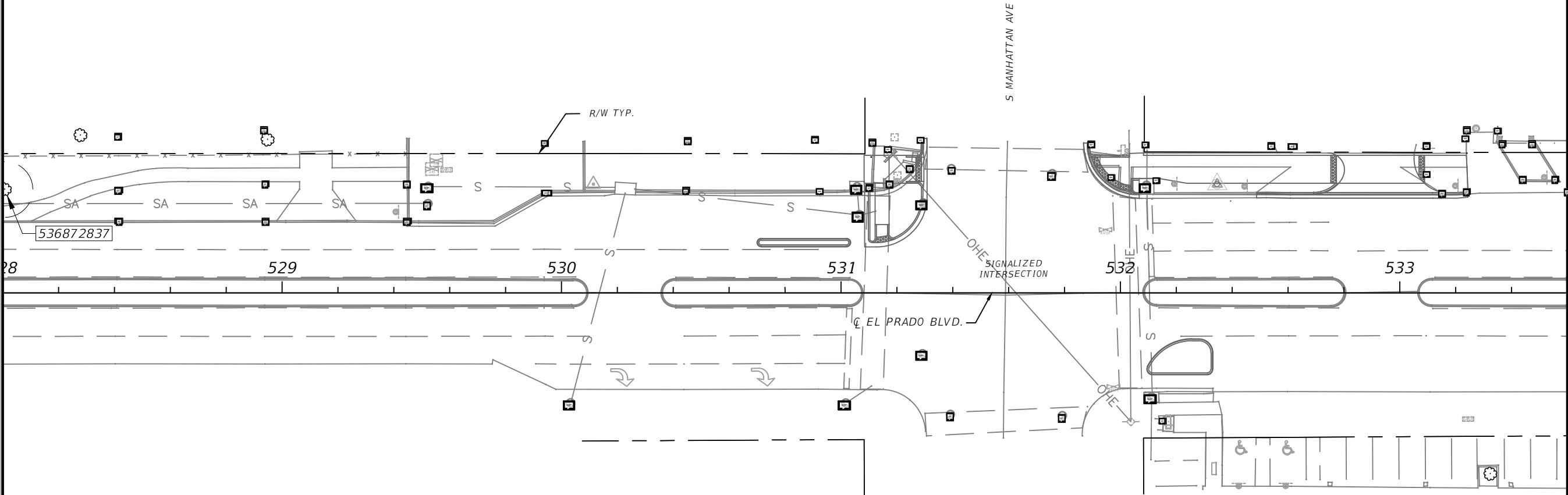
TREE PROTECTION AND
REMOVAL PLAN (5)

SHEET NO.

LD-15



MATCHLINE STA. - 528+00.00



MATCHLINE STA. - 533+60.00

LEGEND

- XXXXXXXXXX

TREE NO./AREA ID
- *

EXISTING PALM TO REMAIN
- *

EXISTING TREE TO REMAIN
- X

TREE/PALM TO BE REMOVED
- TREE PROTECTION BARRIER
- ROOT PRUNING
- ()

ROOT PROTECTION ZONE
- 3' RADIUS - PALM/SMALL ORNAMENTAL
- 10' RADIUS - DBH 5"-12"
- 15' RADIUS - DBH 13"-23"
- 20" RADIUS - DBH <24"

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CASEY STALLCUP, RLA
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AECOM TECHNICAL SERVICES, INC.
7650 WEST COURTNEY CAMPBELL CSWY
TAMPA, FL 33607

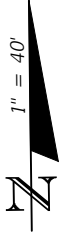
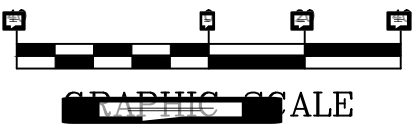
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
OFF-SYS	HILLSBOROUGH	443516-1-58-01

TREE PROTECTION AND
REMOVAL PLAN (6)

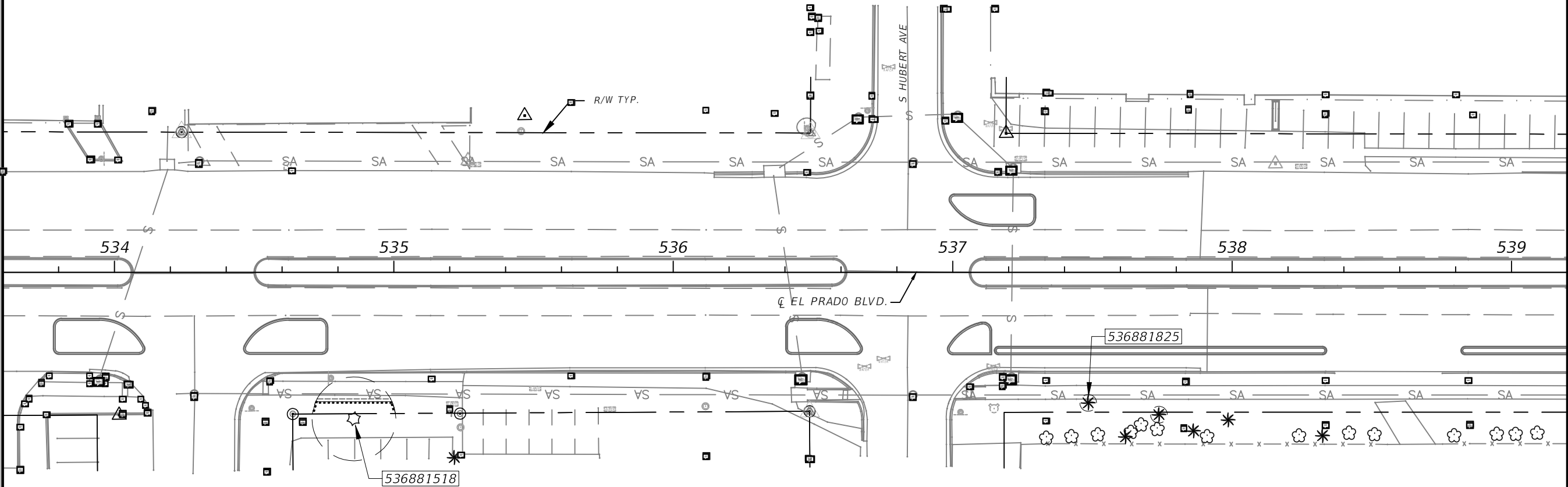
SHEET NO.

LD-16

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MATCHLINE STA. - 533+60.00



MATCHLINE STA. - 539+20.00

LEGEND

XXXXXXXXXX

TREE NO./AREA ID

*

EXISTING PALM TO REMAIN

*
*
*

EXISTING TREE TO REMAIN

X

TREE/PALM TO BE REMOVED

TREE PROTECTION BARRIER

ROOT PRUNING

()

ROOT PROTECTION ZONE

3' RADIUS - PALM/SMALL ORNAMENTAL

10' RADIUS - DBH 5"-12"

15' RADIUS - DBH 13"-23"

20" RADIUS - DBH <24"

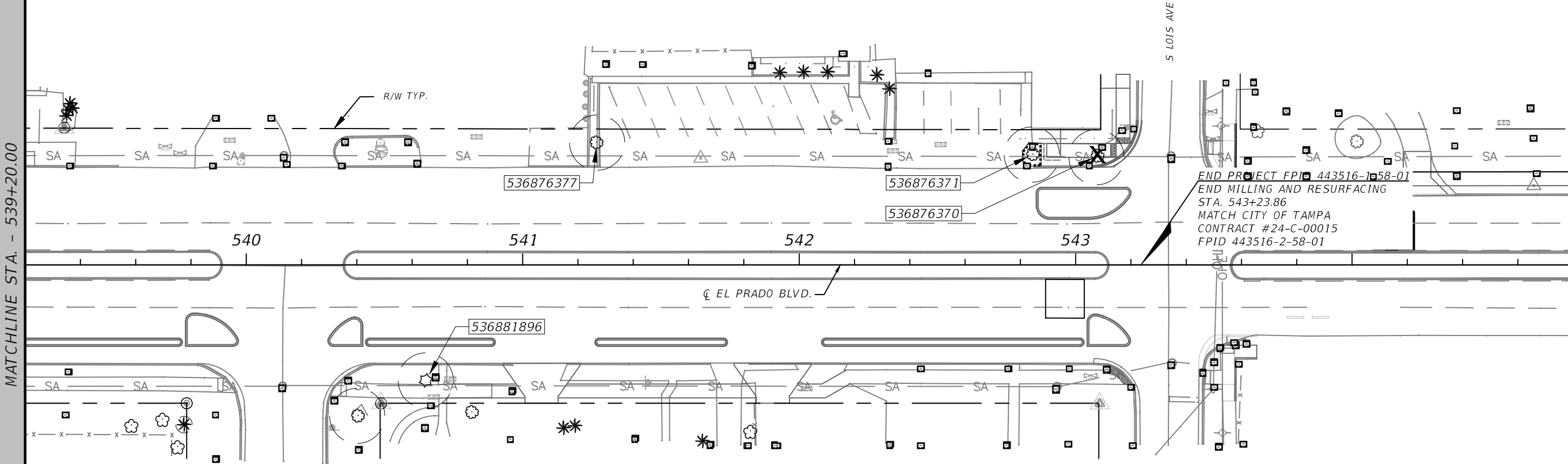
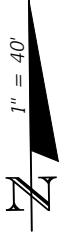
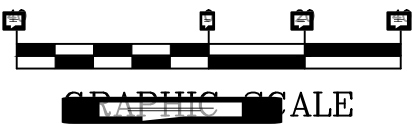
REVISIONS				CITY OF TAMPA MOBILITY DEPARTMENT	TREE PROTECTION AND REMOVAL PLAN (7)		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	LD-17
				OFF-SYS	HILLSBOROUGH	443516-1-58-01	

Stallcup, Casey

1/26/2024 11:50:43 AM

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c:\pwworking\usf\ndms03412\DSGNLD02_Trees.dwg



LEGEND

XXXXXXXXXX

TREE NO./AREA ID

*

EXISTING PALM TO REMAIN

* * *

EXISTING TREE TO REMAIN

X

TREE/PALM TO BE REMOVED

TREE PROTECTION BARRIER

ROOT PRUNING

()

ROOT PROTECTION ZONE

3' RADIUS - PALM/SMALL ORNAMENTAL

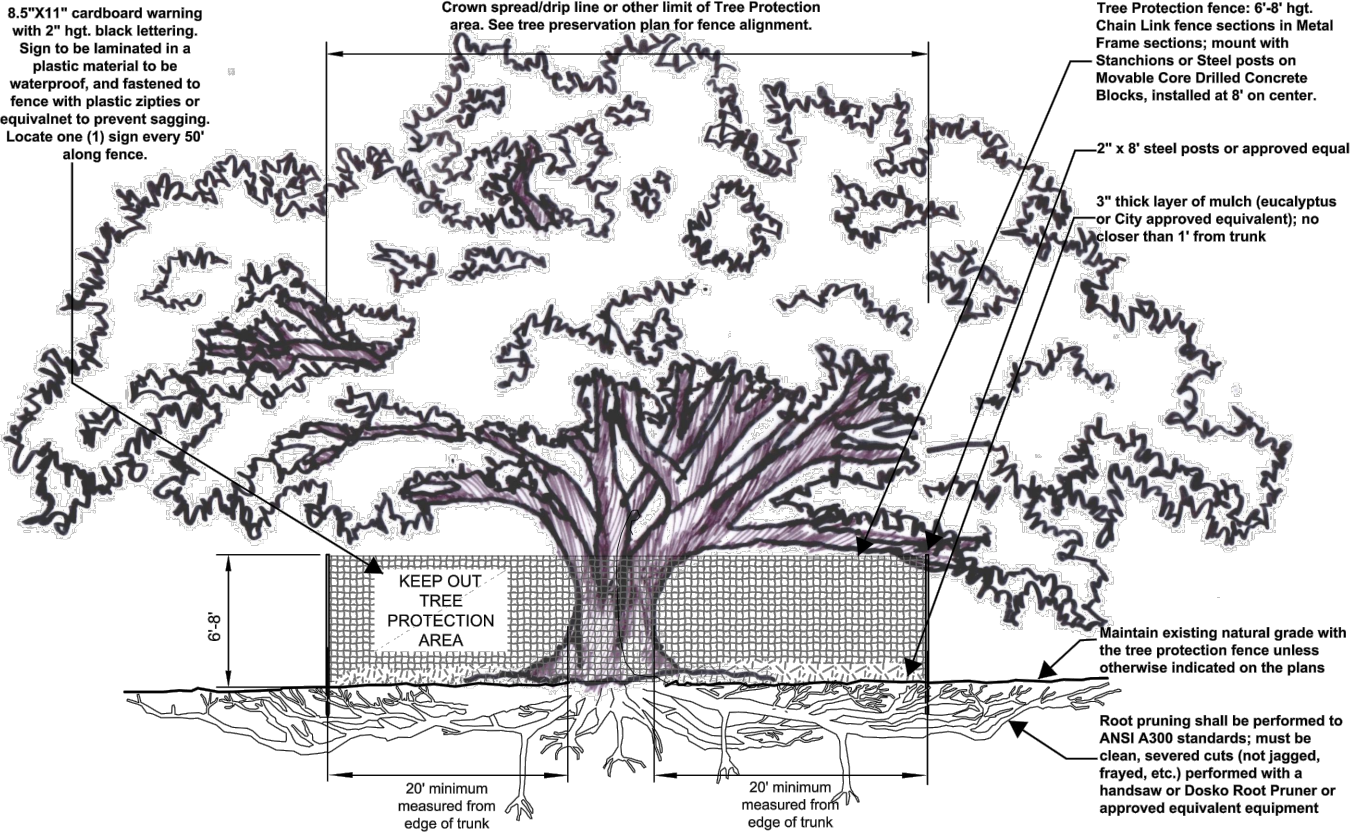
10' RADIUS - DBH 5"-12"

15' RADIUS - DBH 13"-23"

20' RADIUS - DBH <24"

REVISIONS				CITY OF TAMPA MOBILITY DEPARTMENT	TREE PROTECTION AND REMOVAL PLAN (8)		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				OFF-SYS	HILLSBOROUGH	443516-1-58-01	LD-18

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.



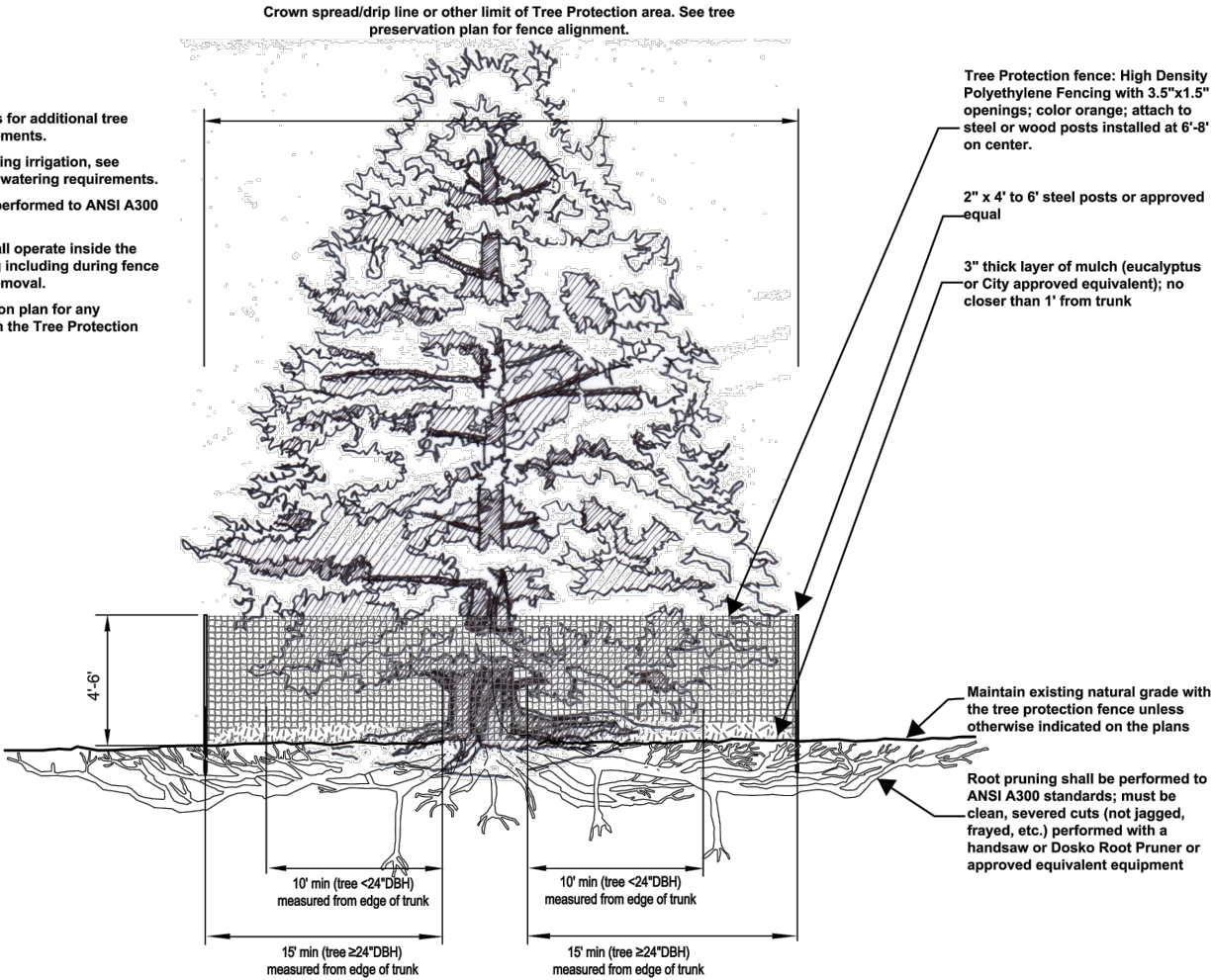
- NOTES:
- 1- See specifications for additional tree protection requirements.
 - 2- If there is no existing irrigation, see specifications for watering requirements.
 - 3- Pruning shall be performed to ANSI A300 standards.
 - 4- No equipment shall operate inside the protective fencing including during fence installation and removal.
 - 5- See site preparation plan for any modifications with the Tree Protection area.

1NTS

TREE PROTECTION FOR GRAND TREE

SOURCE:
CITY OF TAMPA TREE AND LANDSCAPE
TECHNICAL MANUAL, 2019

- NOTES:
- 1- See specifications for additional tree protection requirements.
 - 2- If there is no existing irrigation, see specifications for watering requirements.
 - 3- Pruning shall be performed to ANSI A300 standards.
 - 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.



2NTS

TREE PROTECTION FOR MEDIUM AND LARGE ORNAMENTAL , SHADE AND CONIFER TREES

SOURCE:
CITY OF TAMPA TREE AND LANDSCAPE
TECHNICAL MANUAL, 2019

REVISIONS				CITY OF TAMPA MOBILITY DEPARTMENT	TREE PROTECTION AND REMOVAL DETAILS (1)		SHEET NO. LD-19
DATE	DESCRIPTION	DATE	DESCRIPTION				
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				OFF-SYS	HILLSBOROUGH	443516-1-58-01	

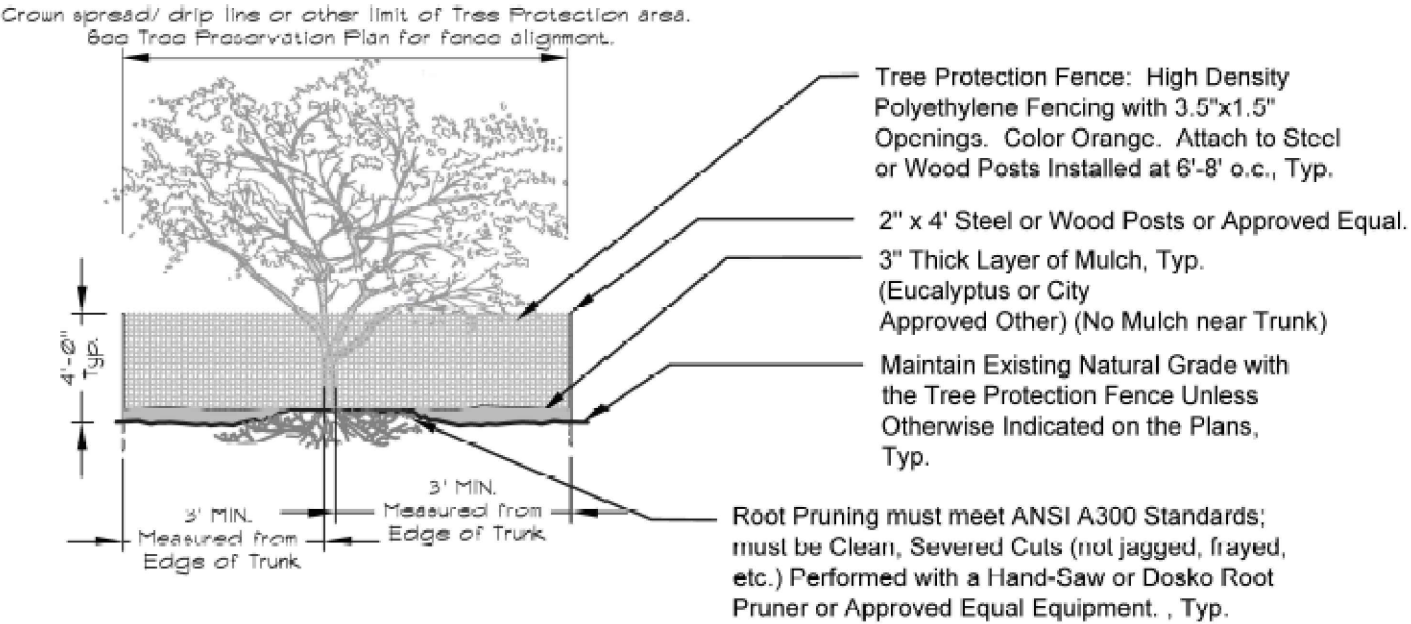
3
NTS

TREE PROTECTION FOR PALM TREE

SOURCE: CITY OF TAMPA TREE AND LANDSCAPE TECHNICAL MANUAL, 2019

Notes:

- 1. See specifications for additional tree protection requirements.
- 2. If there is no existing irrigation, see specifications for watering requirements.
- 3. Pruning shall be performed to ANSI A300 Standards.
- 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.



SECTION VIEW

4
NTS

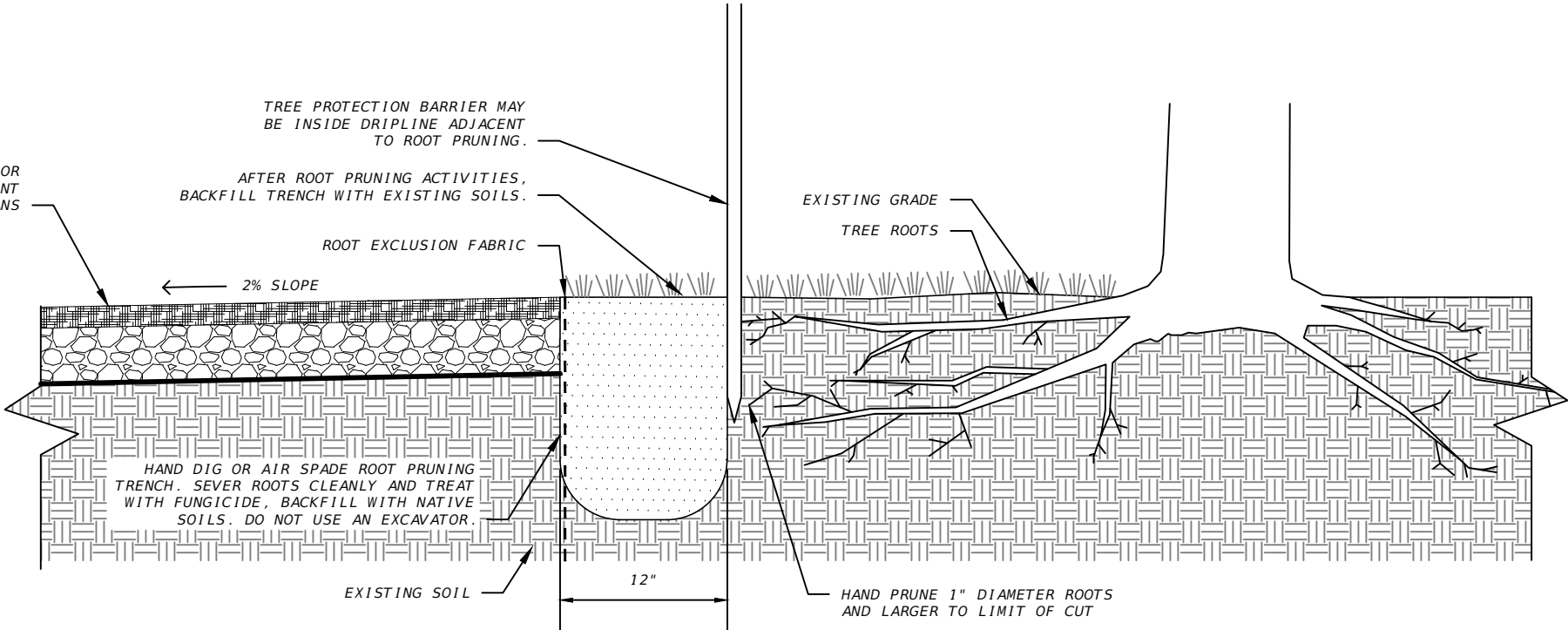
TREE PROTECTION FOR SMALL ORNAMENTAL TREE

SOURCE: CITY OF TAMPA TREE AND LANDSCAPE TECHNICAL MANUAL, 2019

REVISIONS				CITY OF TAMPA MOBILITY DEPARTMENT	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	TREE PROTECTION AND REMOVAL DETAILS (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
				CASEY STALLCUP, RLA RLA NO. LA6667409 AECOM TECHNICAL SERVICES, INC. 7650 WEST COURTNEY CAMPBELL CSWY TAMPA, FL 33607	OFF-SYS	HILLSBOROUGH	443516-1-58-01		LD-20

NOTES:

- 1. PERFORM ROOT PRUNING AS INDICATED ON PLANS.
- 2. WHERE ROOT PRUNING OCCURS, TREE PROTECTION BARRIER MAY BE LOCATED INSIDE THE DRIPLINE.
- 3. INSTALL ROOT EXCLUSION FABRIC PER MANUFACTURERS' INSTRUCTIONS.
- 4. SEE NOTES FOR ADDITIONAL ROOT PRUNING INFORMATION.



5 ROOT PRUNING WITHIN PROTECTIVE ROOT ZONE

REVISIONS				CASEY STALLCUP, RLA RLA NO. LA6667409 AECOM TECHNICAL SERVICES, INC. 7650 WEST COURTNEY CAMPBELL CSWY TAMPA, FL 33607	CITY OF TAMPA MOBILITY DEPARTMENT			TREE PROTECTION AND REMOVAL DETAILS (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LD-21
					OFF-SYS	HILLSBOROUGH	443516-1-58-01		

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES											
LOCATION			SIDE	AREA ID	ARTIFICIAL COVERINGS		DESIGN NOTES	CONSTRUCTION REMARKS			
					0104 1						
STA. TO STA.					SY						
					P	F					
514+24		514+41	LT		4		ROOT EXCLUSION FABRIC				
515+00		515+25	LT		6						
515+72		515+97	LT		5						
516+72		517+12	LT		16						
522+39		522+60	LT		5						
523+51		523+73	LT		5						
524+48		524+99	LT		11						
526+59		526+91	LT		8						
527+08		527+21	LT		4						
534+72		534+99	LT		6						
542+89		542+95	LT		3						
SUB-TOTAL :											
PLAN TOTAL :					73						
FINAL TOTAL :											

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS											
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	UNITS	QUANTITY		TOTAL		DESIGN NOTES
		STA. TO STA.	P				F	P	F		
110-21	TREE PROTECTION BARRIER	514+29	514+42	LT		LF	37		637		SEE TREE PROTECTION AND REMOVAL PLANS. SEE TREE PROTECTION NOTES.
		515+02	515+25	LT		LF	70				
		515+74	515+98	LT		LF	69				
		516+71	517+11	LT		LF	63				
		522+35	522+65	LT		LF	42				
		523+51	525+00	LT		LF	186				
		526+57	526+91	LT		LF	60				
		527+09	527+22	LT		LF	46				
		534+71	535+00	RT		LF	36				
		542+80	542+88	LT		LF	28.0				
110-22	TREE ROOT AND BRANCH PRUNING			LT	536872072	EA	1.0		12		SEE TREE PROTECTION AND REMOVAL PLANS. SEE ROOT PRUNING NOTES.
				LT	536872084	EA	1.0				
				LT	536872090	EA	1.0				
				LT	536872282	EA	1.0				
				LT	526872598	EA	1.0				
				LT	536872736	EA	1.0				
				LT	536872731	EA	1.0				
				LT	536872732	EA	1.0				
				LT	536872797	EA	1.0				
				LT	536872813	EA	1.0				
				RT	536881518	EA	1.0				
				LT	536876371	EA	1.0				
110-23	TREE REMOVAL			LT	536872097	EA	1.0		8		SEE TREE PROTECTION AND REMOVAL PLANS. SEE TREE STUMP REMOVAL NOTES.
				LT	536872312	EA	1.0				
				LT	536872313	EA	1.0				
				LT	536872317	EA	1.0				
				LT	236872410	EA	1.0				
				LT	536872411	EA	1.0				
				LT	536872795	EA	1.0				
				LT	536876370	EA	1.0				

PAY ITEM NOTES:

110-22 INCLUDES COST OF WATERING FOR ROOT PRUNED TREES AS DEFINED IN THE PLANS .

104-1 INCLUDES THE COST OF ROOT EXCLUSION FABRIC.

REVISIONS				CASEY STALLCUP, RLA RLA NO. LA6667409 AECOM TECHNICAL SERVICES, INC. 7650 WEST COURTNEY CAMPBELL CSWY TAMPA, FL 33607	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
					OFF-SYS	HILLSBOROUGH	443516-1-58-01				

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SUMMARY OF PERFORMANCE TURF						
AREA ID	PERFORMANCE TURF (SOD & SOIL)		DESIGN NOTES	CONSTRUCTION REMARKS		
	0570 1 3					
	SY					
	P	F				
536872097	6.0		FOR TREE REMOVAL SITES; 3" DEPTH SOIL; SOD TO MATCH EXISTING. SEE TREE STUMP REMOVAL NOTES.			
536872312	6.0					
536872313	6.0					
536872317	6.0					
536872410	6.0					
536872411	6.0					
536872795	6.0					
536876370	6.0					
SUB-TOTAL :		48.0				
TOTAL :		48				

REVISIONS				CASEY STALLCUP, RLA RLA NO. LA6667409 AECOM TECHNICAL SERVICES, INC. 7650 WEST COURTNEY CAMPBELL CSWY TAMPA, FL 33607	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-2
					OFF-SYS	HILLSBOROUGH	443516-1-58-01		

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