

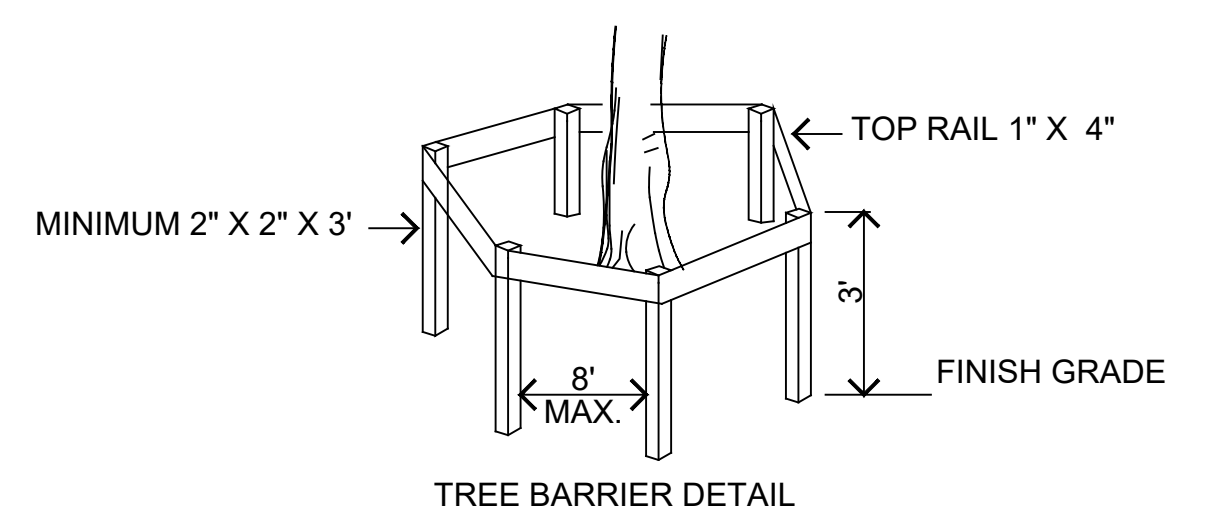
TREE PROTECTIVE BARRIER

PROTECTIVE BARRIER REQUIREMENTS

1. PROTECT ALL ABOVE GROUND PORTIONS OF TREES FROM MECHANICAL DAMAGE.
2. PROTECT SOIL NEAR TREE FROM COMPACTION.
3. PROVIDE PHYSICAL AND MENTAL AWARENESS OF THE PRESENCE OF TREES ON THE SITE TO CONSTRUCTION PERSONNEL.
4. HEAVY EQUIPMENT NOT ALLOWED INSIDE BARRIER; ONLY HAND LABOR.
5. CONSTRUCTION MATERIAL OR TEMPORARY SOIL DEPOSITS NOT ALLOWED INSIDE BARRIER AREA.
6. BARRICADE MUST BE SET A MINIMUM 10' FROM TRUNK FOR ALL TREES EXCEPT GRAND TREES. THE DISTANCE FROM THE TRUNK FOR GRAND TREES IS A MINIMUM OF 20'.

PROTECTIVE BARRIER SPECIFICATIONS

1. UPRIGHTS SPACED AT 4'-5' INTERVALS OF NO LESS THAN 2" X 2" LUMBER WITH 1" X 4" TOP RAIL. BARRICADE MUST BE PLACED A MINIMUM OF 10' FOR NON-GRAND TREES OR AT HALF THE DRIPLINE FROM THE TRUNK, WHICH EVER IS GREATER.
2. BARRIERS TO BE ERECTED AROUND REMAINING TREES BEFORE CONSTRUCTION OR NEARBY TREES ARE REMOVED.
3. BARRIERS TO REMAIN IN PLACE UNTIL ALL PAVING, CONSTRUCTION AND HEAVY EQUIPMENT IS OUT OF AREA.



GENERAL TREE PRUNING NOTES:

THE CONTRACTOR SHALL FOLLOW ANSI STANDARD A300 (PART 1) BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE FOR ALL PRUNING COMPLETED AS PART OF THIS PROJECT.

THERE IS NO MINIMUM SIZE OF BRANCH TO BE REMOVED, IF IT IS DEAD OR A HAZARD LIMB IT SHALL BE INCLUDED IN THE BID PRICE TO BE REMOVED. THE MAXIMUM DIAMETER TO BE REMOVED IS 20".

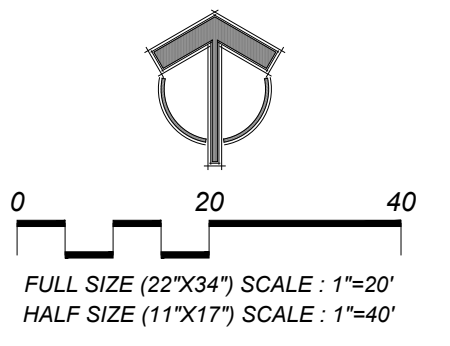
THE PRUNING OBJECTIVE IS BOTH HAZARD REDUCTION AND MAINTENANCE. THE TREES HAVE NOT HAD ANY ARBOREAL CARE FOR SOME TIME. THE WORK REQUIRED WILL BE PRIMARILY, CROWN CLEANING, DEADWOOD REMOVAL AND MOSS REMOVAL. THE MOSS REMOVAL SHALL BE FROM GRADE TO 24' UP FROM GRADE INTO THE TREE. (A COMPLETE MOSS REMOVAL IS NOT REQUIRED AS PART OF THIS WORK)

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SUNSHINE STATE ONE CALL OF FLORIDA, INC.



SITE DEVELOPMENT PLANS FOR:

EPIPHANY CATHEDRAL EXPANSION

VENICE, FLORIDA
DIOCESE OF VENICE IN FLORIDA

PROJECT NO.	2022-74
SCALE	AS SHOWN
DATE	07-31-2023
DRAWN BY	PJS
ISSUED	07-31-2023

REVISIONS				
NO.	DESCRIPTION	INT.	NO.	DESCRIPTION
1.	PER CITY OF VENICE 09-14-23	PJS		

PHILLIP J. SMITH RLA #1096

dwja LANDSCAPE ARCHITECTS

DAVID W. JOHNSTON ASSOCIATES

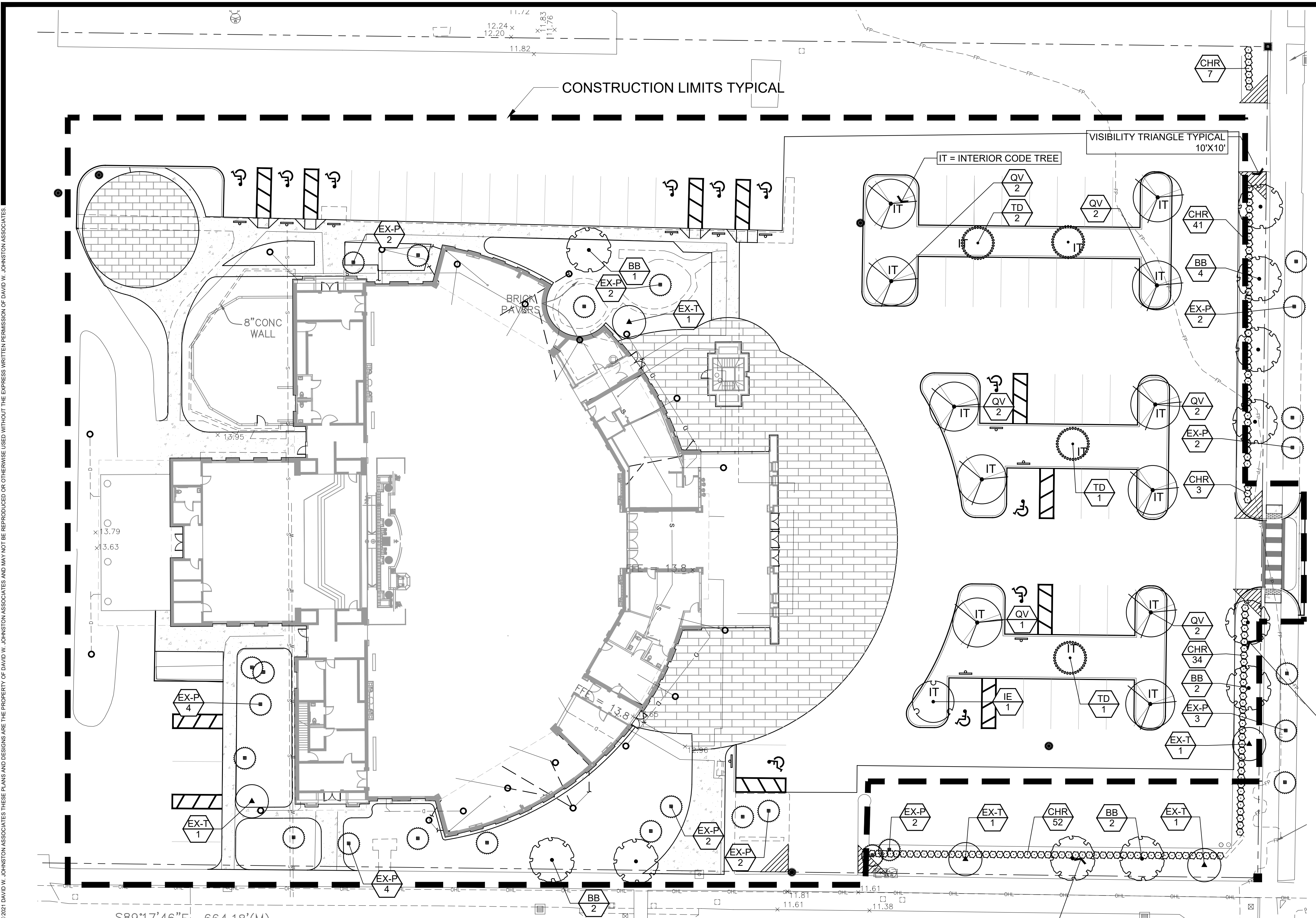
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TREE PROTECTION & REMOVAL PLAN

L-01

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- GENERAL NOTES:**
- All areas not planted or mulched shall be sodded with solid St. Augustine 'Floritam' sod. (The entire R.O.W. adjacent to this property shall be sodded with Argentine Bahia.)
 - Concrete curbs 6" high shall be provided to protect all required landscaping.
 - The owner is required to provide an adequate maintenance program for all newly planted material by hand watering, pruning, cultivating, fertilizing as necessary for healthy growth establishment. The owner is required to maintain all plant material in perpetuity.
 - This plan may be modified based on final construction plan development. Modifications shall be submitted prior to implementation and approved by the City of Venice.
 - A 100% coverage automatic irrigation system shall be installed. Plans for the automatic irrigation system will be submitted prior to building permit issuance. Reclaim water will be used for irrigation.
 - Above ground utilities and appurtenances to underground utilities which require above-ground installation shall be buffered by a continuous planting of shrubs with a minimum mature height equal to that of the structure, up to eight (8) feet. Required access ways to these utilities are exempt from the screening provisions.
 - Buffering and Screening: Refuse collection, mechanical equipment, trash compaction, loading areas, recycling, root-top equipment and other service function areas shall be fully screened and out of view from adjacent properties and public rights-of-way. The screening shall extend one (1) foot above the height of the object to be screened.
 - Material and Design: Screening material and design shall be consistent with design treatments of the primary façade of the building or project and its landscape plan.
 - No Applicator shall apply fertilizers containing nitrogen and / or phosphorus to turf and / or landscape plants during the restricted season (June 1 - September 30.); these provisions shall not apply to newly established Turf and/or Landscape Plants for the first 60-day period after installation.
 - There may be deviations regarding tree species and locations due to field locations. These deviations must be minimal to address the issue at hand. If deviations to the tree species or locations are made, the City will be consulted.
 - Contractor shall field adjust tree locations as necessary to avoid placing trees on the flow line of swales.

NOTE:
ALL SOD ON SITE AND ON INTERNAL ROADS IS TO BE ST. AUGUSTINE FLORITAM.
OUTSIDE SITE IN RIGHT OF WAY IS TO BE ARGENTINE BAHIA.

BUFFER-2 Per City of Venice Div. 5 Sec. 86-437 and Div. 6 Sec. 86-461

±300 LF LANDSCAPE BUFFER - 5' WIDTH REQUIRED (BETWEEN V.U.A. AND PROPERTY LINE)

ONE TREE REQUIRED PER 50 LF AND HEDGE

	REQUIRED	PROVIDED
TREES	6	6
2' HEDGE, 3' O.C.	YES	YES, HEDGE

NOTE:
1. THERE SHALL BE A MINIMUM OF 40" CALIPER FOR EACH ACRE FOR SITE DEVELOPMENT

SITE AREA - Project work limits = 114,077 +/- SF
2.62+ ACRES
REQUIRED INCHES = 2.62 x 40 = 105 INCHES REQUIRED
107 INCHES PROVIDED FROM CANOPY TREES (26x 4" = 104+ 1x3" = 3" TOTAL IS 107 INCHES)

NOTE:
1. THERE SHALL BE 3' MINIMUM CLEARANCE FROM LANDSCAPE PLANTS TO THE EDGE OF METERS LESS THAN 3", AND 10' FOR METERS 3" AND LARGER.
2. FOR ALL FIRE HYDRANTS THERE SHALL BE 7.5' MINIMUM CLEARANCE FROM FRONT AND SIDES, AND 4' FROM THE BACK.
3. NO TREES SHALL BE PLANTED WITHIN 10' OF ANY COUNTY MAINTAINED WATER OR SEWER MAIN.

NOTE:
A TREE PERMIT WILL BE REQUIRED PRIOR TO ANY CONSTRUCTION, NATIVE VEGETATION REMOVAL WITHIN THE DRIPLINE OF A TREE, AND / OR TREE REMOVAL.

TAMPA AVENUE

BUFFER-1 Per City of Venice Div. 5 Sec. 86-437 and Div. 6 Sec. 86-461

230 LF LANDSCAPE BUFFER - 5' WIDTH REQUIRED (BETWEEN V.U.A. AND PROPERTY LINE)

ONE TREE REQUIRED PER 50 LF AND HEDGE

	REQUIRED	PROVIDED
TREES	5	5
2' HEDGE, 3' O.C.	YES	YES, HEDGE

SEE SHEET L-03 FOR PLANT LIST

NOTE:
IF ANY BUFFER PLANTINGS WITHIN THE UTILITY EASEMENT NEED TO BE REMOVED IN THE FUTURE, THE OWNER SHALL BE RESPONSIBLE FOR REPLACING THE PLANTINGS.

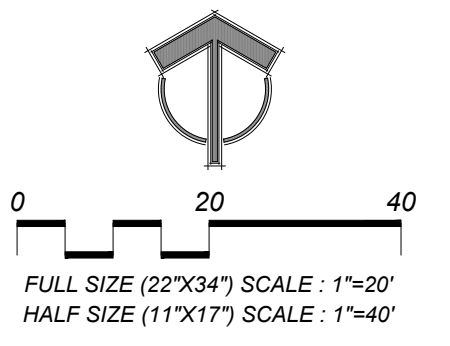
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RLA #11096

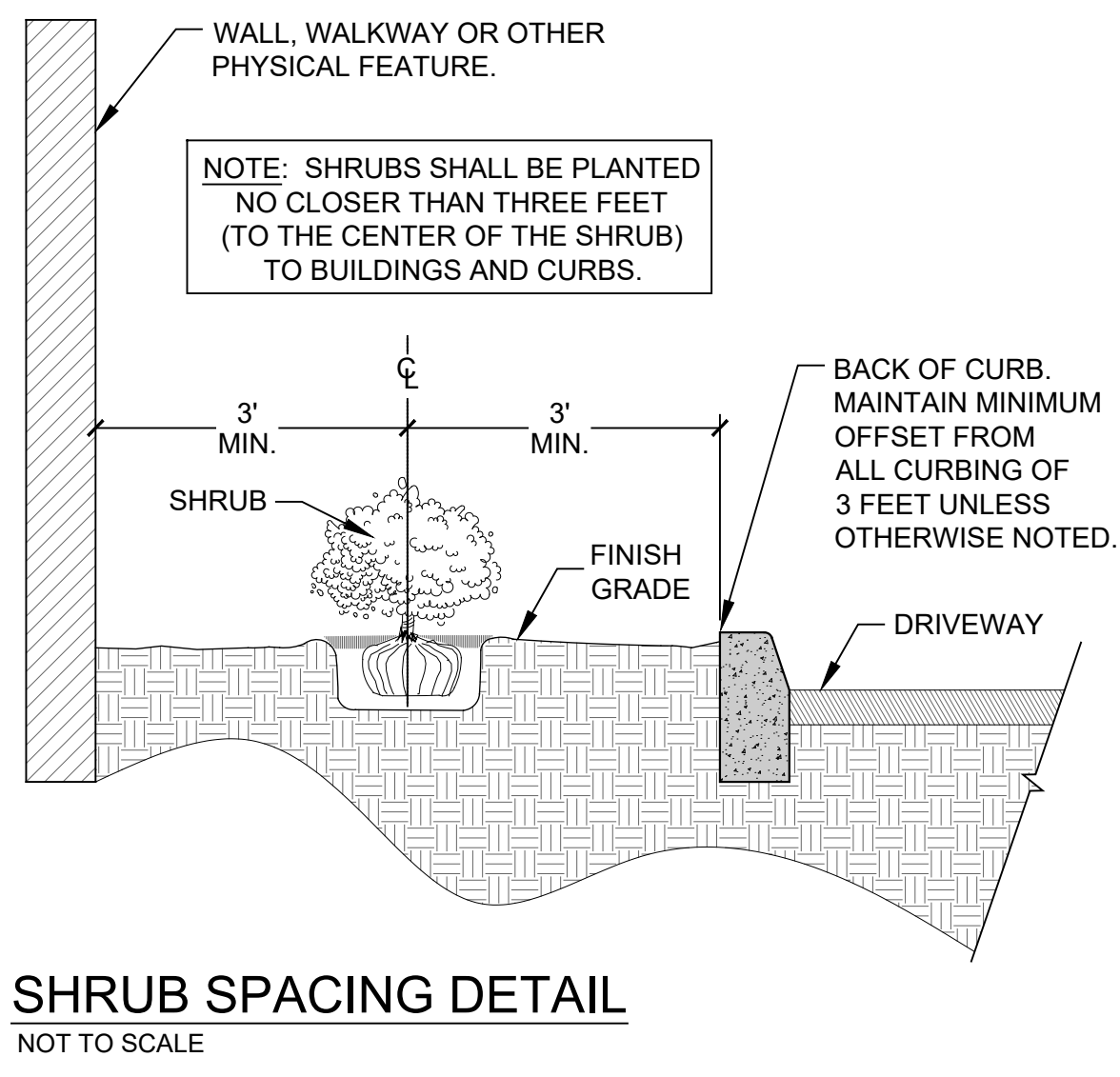
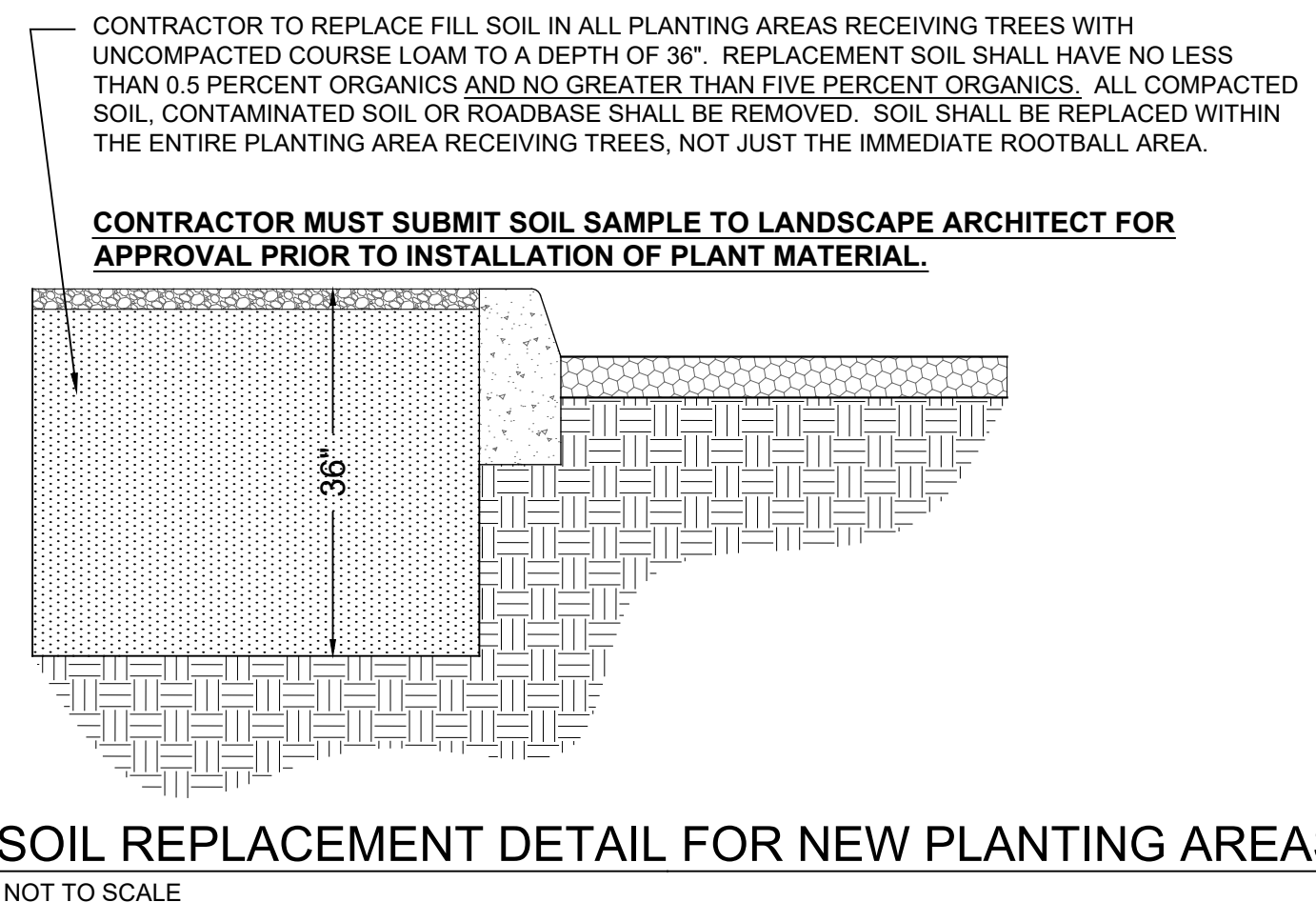
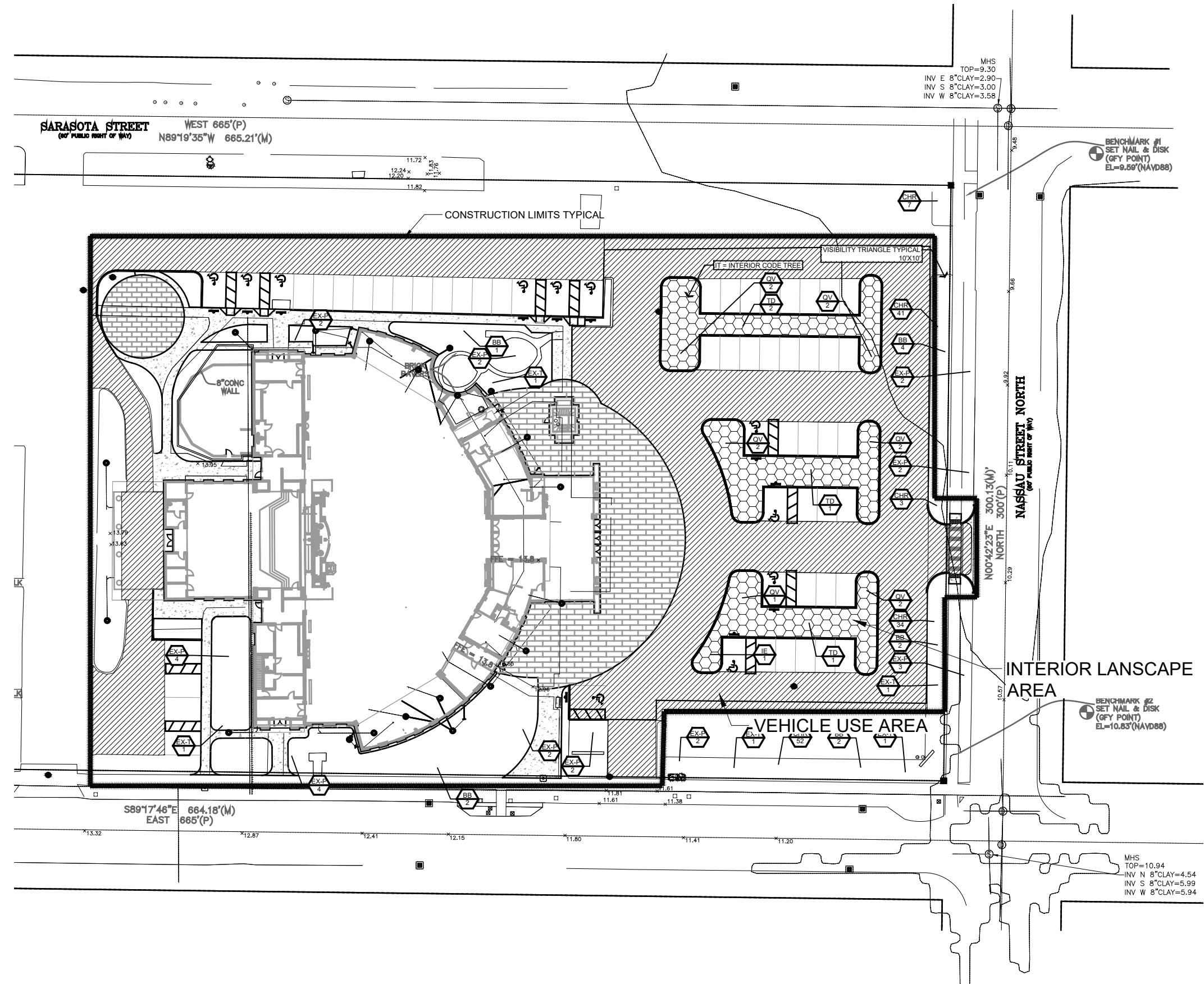
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PLANTING PLAN
L-02

PLANT SCHEDULE

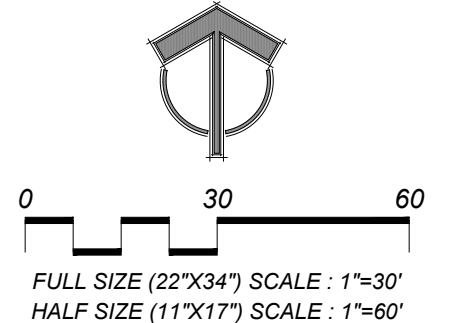
TREES	CODE	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	NATIVE	FLORIDA FRIENDLY	QTY
	BB	Bucida buceras 'Shady Lady' / Shady Lady Black Olive	B & B	4"Cal	14' x 7' Spr.	No	Yes	11
	IE	Ilex opaca 'Eagleston' / Eagleston Holly	65 gal	3"Cal	12' x 5' Spr.	Yes	Yes	1
	QV	Quercus virginiana / Southern Live Oak	100 gal	4"Cal	14' x 7' Spr.	Yes	Yes	11
	TD	Taxodium distichum / Bald Cypress	100 Gal Min.	4"Cal	14' x 4' Spr.	Yes	Yes	4
EXISTING	CODE	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	NATIVE	FLORIDA FRIENDLY	QTY
	EX-P	EXISTING PALM TO REMIAN	Existing					25
	EX-T	EXISTING TREE TO REMIAN	Existing					5
SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT	HT. X SPR.	NATIVE	FLORIDA FRIENDLY	SPACING	QTY
	CHR	Chrysobalanus icaco 'Red Tip' / Red Tip Cocoplum	7 gal	36" x 24"	Yes	Yes	30" o.c.	137

NOTE: ALL PLANT SIZES INDICATED ARE MINIMUMS. ALL PARTS OF THE SPECIFICATION INCLUDING CALIPER SIZES MUST BE MET AT INSTALLATION. SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION (CALL 941-366-3159)



VEHICULAR USE AREA INTERIOR LANDSCAPE CALCULATION: Per City of Venice Div. 5.Sec. 86-438 (1-3)

	REQUIRED	PROVIDED	LANDSCAPE AREA PROVIDED
10 sf of interior landscape area req'd for each parking space not abutting a perimeter buffer. (58 spaces)	580 S.F. +/-	580 S.F. +/-	
10 sf of landscape area req'd for each 500 sf of other vehicular use areas. 33,087/500 x 10 S.F. = 662 (Perimeter Buffer not included in calc.)	662 S.F. +/-	5,666 S.F. +/-	
		TOTAL 6246 +/- S.F.	
INTERIOR TREES REQUIRED 1242 / 100 = 13	1242 S.F. total required landscape area	1242 / 100 = 13 Total Interior 3" trees Req'd 16 - Min. 3" Cal. Interior Trees Provided SEE (IT) ON LANDSCAPE PLAN	



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dwja LANDSCAPE ARCHITECTS
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PLANTING SCHEDULE

L-03

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- ALL NEW PLANT MATERIALS USED SHALL CONFORM TO THE STANDARDS FOR FLORIDA NO. 1 OR BETTER AS ESTABLISHED IN "GRADES AND STANDARDS FOR NURSERY PLANTS" PART I AND PART II STATE OF FLORIDA DEPARTMENT OF AGRICULTURE.
- INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
- CONTRACTORS ARE ADVISED TO REFER TO THE SPECIFICATIONS, CONTRACT DOCUMENTS, AND PLAN SHEETS FOR A MORE DETAILED DISCLOSURE OF PERFORMANCE STANDARDS AND REQUIREMENTS.
- THE CONTRACTOR IS CAUTIONED TO BE AWARE OF UNDERGROUND UTILITIES. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL CHECK WITH THE JOB SITE SUPERINTENDENT, SUNSHINE ONE, AND THE CITY OF VENICE UTILITIES FOR LOCATION OF ALL UTILITIES A MINIMUM OF 48 HOURS BEFORE BEGINNING WORK.
- ALL SOD SHALL BE ARGENTINE BAHIA OR ST. AUGUSTINE 'FLORATAM' AS INDICATED ON THE PLANTING PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADING IN SOD AREAS. HAND RAKE PRIOR TO INSTALLING SOD. CONTRACTOR TO CUT AND MATCH IN ALL NEW SOD TO EXISTING SOD. STAGGER AND KICK ALL JOINTS TIGHT. ALL SOD TO BE ROLLED IMMEDIATELY AFTER INSTALLATION.
- CONTRACTOR SHALL APPLY MINIMUM 2 APPLICATIONS OF ROUNDUP HERBICIDE (OR APPROVED EQUAL) ON EXISTING TURF WHERE IT IS REQUIRED TO BE REMOVED FOR PLANTING. ROUNDUP MUST BE SPRAYED PRIOR TO COMMENCING ANY GRADING OPERATIONS. CONTRACTOR SHALL REVIEW TURF KILL WITH LANDSCAPE ARCHITECT OR OWNER REPRESENTATIVE FOR APPROVAL. ALL HERBICIDES MUST BE APPLIED BY LICENSED APPLICATORS PER MANUFACTURERS RECOMMENDED RATES AND INSTRUCTIONS. POST ALL APPLICATIONS. PLANTING IN WEED INFESTED SOIL IS NOT ACCEPTABLE ANY EXCESS SOIL OR DEBRIS FROM CONSTRUCTION SHALL BE REMOVED FROM THE SITE AND TAKEN TO THE COUNTY LAND FILL OR OTHER LOCATION AS APPROVED.
- MULCH ALL NEW PLANTING WITH MIN. 3" (OR AS NOTED OTHERWISE ON PLAN) OF FLORIMULCH EUCALYPTUS MULCH OR SIMILAR SUSTAINABLY HARVESTED MULCH. THE LANDSCAPE CONTRACTOR SHALL HAND WATER ALL PLANT MATERIAL AS REQUIRED THE LANDSCAPE CONTRACTOR SHALL BE LIABLE FOR REPLACING TREES AND SHRUBS EXPERIENCING TRANSPLANT SHOCK DUE TO LACK OF WATER AT ANY TIME DURING THE COURSE OF LANDSCAPE INSTALLATION. ALL TREES AND PALMS WITHIN SOD AREAS SHALL BE MULCHED WITH 4" MIN. DIAMETER RING 3" DEEP STAKES WHENEVER POSSIBLE SHALL BE WITHIN MULCH RINGS.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL EXISTING SOD, DEBRIS, WEEDS, AND HANDWORK UNDER EXISTING TREES IN PREPARATION FOR ANY PLANTING.
- CONTRACTOR SHALL REPAIR ANY AREAS DISTURBED DURING THE COMPLETION OF WORK INCLUDING RESODDING OF IRRIGATION TRENCHES AND PLANTING PITS RESULTING FROM MATERIAL RELOCATIONS.
- THE LANDSCAPE CONTRACTOR SHALL INCORPORATE TERRA-SORB INTO ALL PLANTING PITS AS PER MANUFACTURERS RECOMMENDATIONS. TERRA-SORB MANUFACTURED BY INDUSTRIAL SERVICES INTERNATIONAL, INC., BRADENTON, FLORIDA; (800) 227-6727
- CONTRACTOR SHALL STAKE ALL TREES AS PER DETAILS.
- ALL PLANT MATERIAL SHALL BE FERTILIZED ACCORDING TO THE FERTILIZATION CHART.
- CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL DISTURBED AREAS CREATED BY THE CONSTRUCTION. THIS SHALL INCLUDE ALL SOD AND HAND RAKING TO RESTORE A SMOOTH UNIFORM SURFACE. ALSO REMOVAL OF ANY DEBRIS ENCOUNTERED OR CREATED FROM CONSTRUCTION OPERATIONS. ANY MATERIAL REMOVED FROM THE SITE SHALL BE TAKEN TO A SANITARY LANDFILL OR OTHER APPROVED LOCATION.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO COMMENCING ANY WORK.
- THE 90-DAY MAINTENANCE PERIOD SHALL BEGIN ONCE SUBSTANTIAL COMPLETION HAS BEEN MADE AND AGREED TO BY THE OWNER.
- FINAL ACCEPTANCE WILL OCCUR AFTER THE OWNER HAS ACCEPTED THE JOB AFTER THE 90-DAY MAINTENANCE PERIOD.
- AN AUTOMATIC IRRIGATION SYSTEM WILL BE INSTALLED TO PROVIDE 100% COVERAGE ON ALL NEW PLANT MATERIAL.
- MYCOR-TREE AS MANUFACTURED BY PLANT HEALTH CARE, INC. (1-800-421-9501) SHALL BE MIXED INTO THE UPPER 10" OF BACKFILL OR SOIL MEDIA AT THE TIME OF PLANTING AND WATERED IN COMPLETELY AFTER USE. INSTALLATION SHALL BE AS FOLLOWS:
 INSTALL 1 - 3 OUNCE PAK PER INCH CALIPER FOR TREE OF PALM.
 INSTALL 1 - 1 OUNCE APPLICATION FOR ALL 3 GALLON CONTAINER MATERIAL.
 INSTALL 1 - 5 GRAM APPLICATION FOR ALL 1 GALLON MATERIAL.

- MAINTENANCE PROGRAM:**
- UPON SUBSTANTIAL COMPLETION AS DEEMED TRUE BY THE OWNER, A MAINTENANCE PROGRAM FOR ALL PLANT MATERIAL AND IRRIGATION SHALL COMMENCE AND CONTINUE FOR 90-DAYS.
- PLANTING:**
- THE CONTRACTOR SHALL MAINTAIN ALL NEWLY PLANTED MATERIALS BY WATERING, PRUNING, CULTIVATING, FERTILIZING, AND WEEDING AS REQUIRED FOR HEALTHY GROWTH AND WEED FREE PLANTING BEDS OR SAUCERS.
 - RESTORE PLANTING SAUCERS, TIGHTEN AND REPAIR STAKES, RESET TREES OR PALMS TO PROPER GRADE OR VERTICAL POSITION AS REQUIRED.
 - SPRAY MATERIAL AS REQUIRED TO KEEP FREE FROM INSECTS AND DISEASE.
- IRRIGATION:**
- MAINTAIN THE INSTALLED IRRIGATION SYSTEM IN AN OPERABLE CONDITION AT ALL TIMES.
 - CHECK FOR LINE BREAKS AND CLEAN BUBBLERS OF DEBRIS SO THAT THEY PROVIDE UNIFORM WATER DISTRIBUTION AT ALL TIMES.
- REPORTS:**
- PROVIDE BIWEEKLY REPORTS DETAILING MAINTENANCE WORK COMPLETED AND OTHER PERTINENT INFORMATION. REPORT SHALL BE SUBMITTED TO THE OWNER WITH COPIES TO THE LANDSCAPE ARCHITECT.

ALL PLANTINGS SHALL BE FERTILIZED WITH AGRIFORM 20-10-15 PLANTING TABLETS AT THE TIME OF INSTALLATION AND PRIOR TO COMPLETION OF BACKFILLING. AGRIFORM PLANTING TABLETS SHALL BE PLACED UNIFORMLY AROUND THE ROOT MASS AT THE DEPTH THAT IS BETWEEN THE MIDDLE AND THE BOTTOM OF THE ROOT MASS.

21 GRAM TABLET				10 GRAM TABLET	10 GRAM TABLET
1 GALLON CAN PLANTS	3 GALLON CAN PLANTS	5 GALLON CAN PLANTS	7 GALLON CAN PLANTS	LARGE TREES OR B & B TREES	MATURE PALMS
1 TABLET	2 TABLETS	3 TABLETS	4 TABLETS	TREES: 5 TABLETS/EA. 1/2" OF CALIPER SHRUBS: 1 TABLET FOR EA. 1' OF HEIGHT	10 TABLETS PER PALM
				WELL ROOTED LINERS	SMALL GROUNDCOVERS OR PERENNIALS
				1 TO 2 TABLETS EACH	1 TABLET EACH

AGRIFORM 20-10-15 PLANTING TABLETS AS MANUFACTURED BY: SIERRA CHEMICAL COMPANY 1001 YOSEMITE DRIVE MILPITAS, CA 95035

NOTE: LANDSCAPE ARCHITECT MAY MAKE A RANDOM SAMPLING OF PLANT PITS TO DETERMINE THE UNIFORMITY OF APPLICATION.

FERTILIZATION - TREES, SHRUBS AND GROUNDCOVERS
 NOT TO SCALE

- IMPORTANT NOTE:**
- ALL TREES, PALMS AND B&B MATERIAL SHALL BE PLANTED AS FOLLOWS:
- DIG HOLE.
 - SPRINKLE SPECIAL AMENDMENTS EVENLY OVER BACKFILL SOIL NEXT TO HOLE SO THAT TERRASORB WILL THOROUGHLY MIX WITH SOIL DURING BACKFILLING OPERATIONS.
 - BACKFILL WITH 4" OF SOIL AND PREPARE SHELF FOR ROOTBALL TO SET ONTO.
 - PLACE ROOTBALL IN HOLE AND STRAIGHTEN TREE.
 - BACKFILL 25% OF DEPTH. WATER AND TAMP IN WHILE MAINTAINING THE STRAIGHTENED TREE.
 - BACKFILL TO 50% DEPTH. WATER AND TAMP IN WHILE MAINTAINING THE STRAIGHTENED TREE.
 - BACKFILL TO 75% DEPTH. WATER AND TAMP IN WHILE MAINTAINING THE STRAIGHTENED TREE.
 - BACKFILL THE REST AND THOROUGHLY WATER IN TREE MAKING SURE THE TRUNK IS DIRECTLY PERPENDICULAR TO THE FINISHED GRADE.

NOTE:

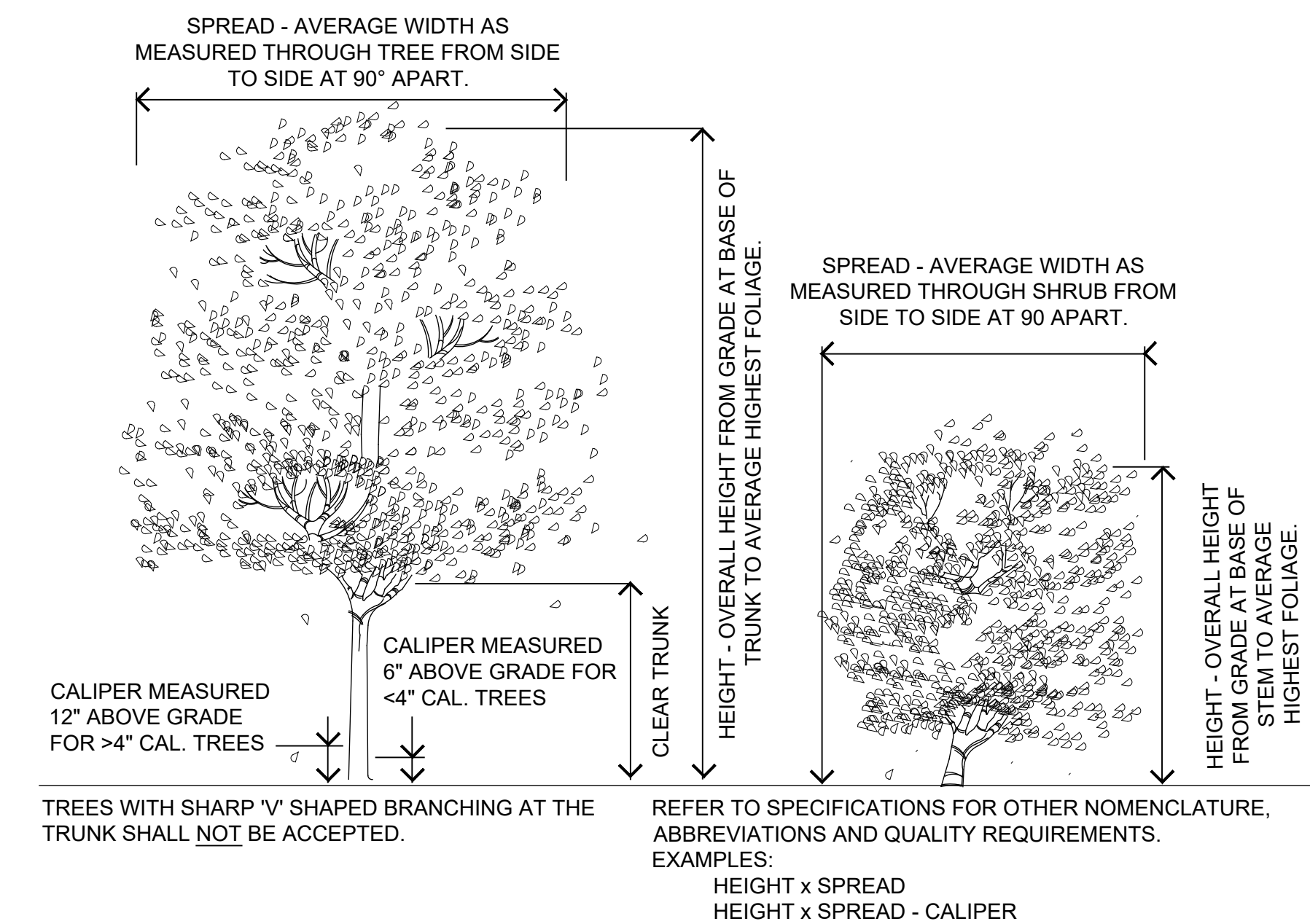
ANY DEVIATION FROM THE ABOVE PROCESS WILL NOT BE CONSIDERED AS PER INDUSTRY STANDARDS AND WILL BE CAUSE FOR REJECTION OF THE WORK.

ALL PALMS UNDER 16' O.A.H. SHALL NOT BE STAKED.

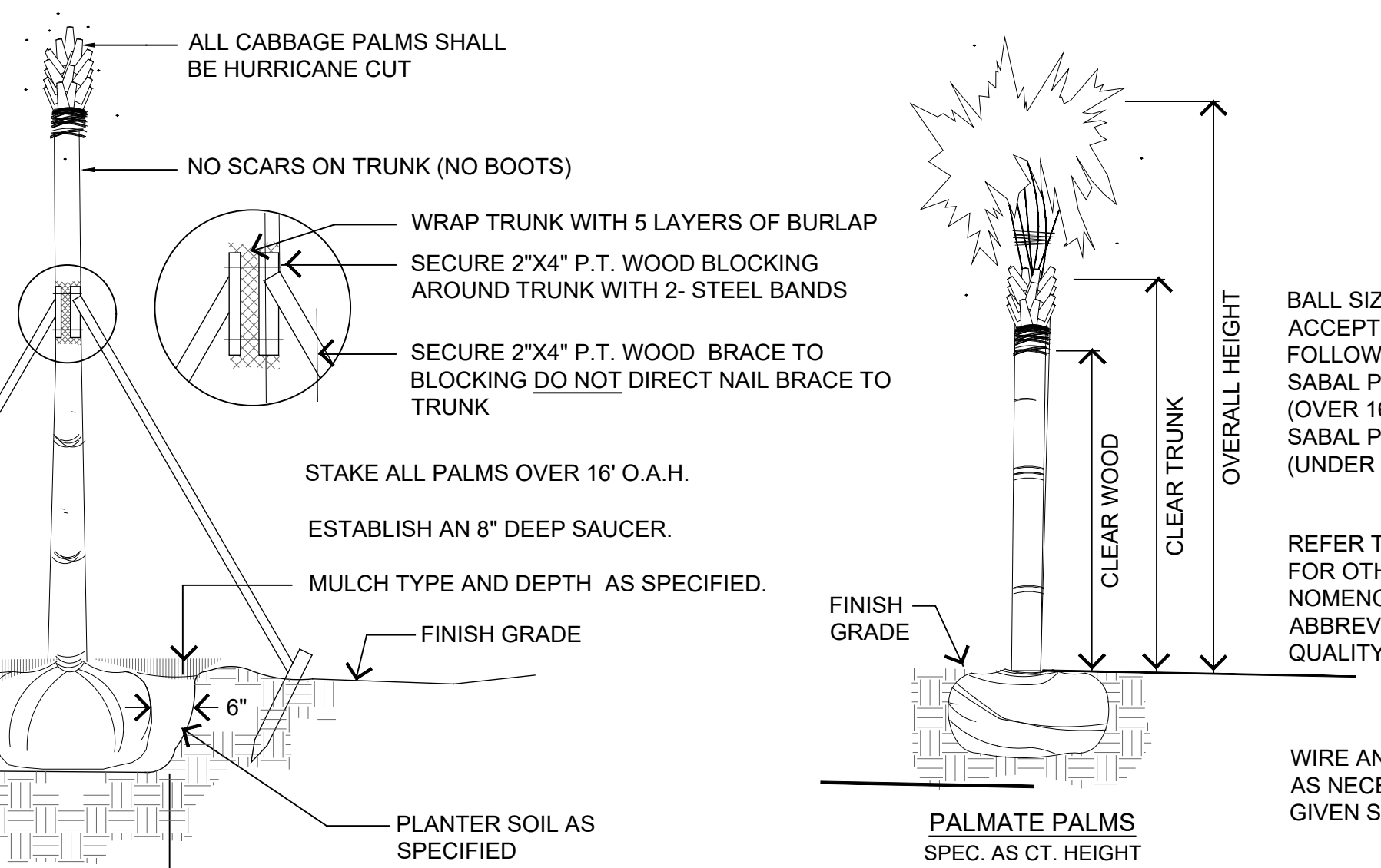
BLOCKING

- 3 - 2"x4" P.T. WOOD BRACES 120 DEGREES APART. NAIL TO
- 2"x2"x36" P.T. STAKE SECURE TO BRACE
- SOIL AMENDMENTS SHALL BE INCORPORATED INTO THE PLANTING PIT AS PER MANUFACTURER'S RECOMMENDATIONS.
- UNDISTURBED SOIL

PALM PLANTING AND STAKING DETAIL
 NOT TO SCALE



TREE AND SHRUB SIZING SPECIFICATION
 NOT TO SCALE



PALM SIZING SPECIFICATIONS
 NOT TO SCALE

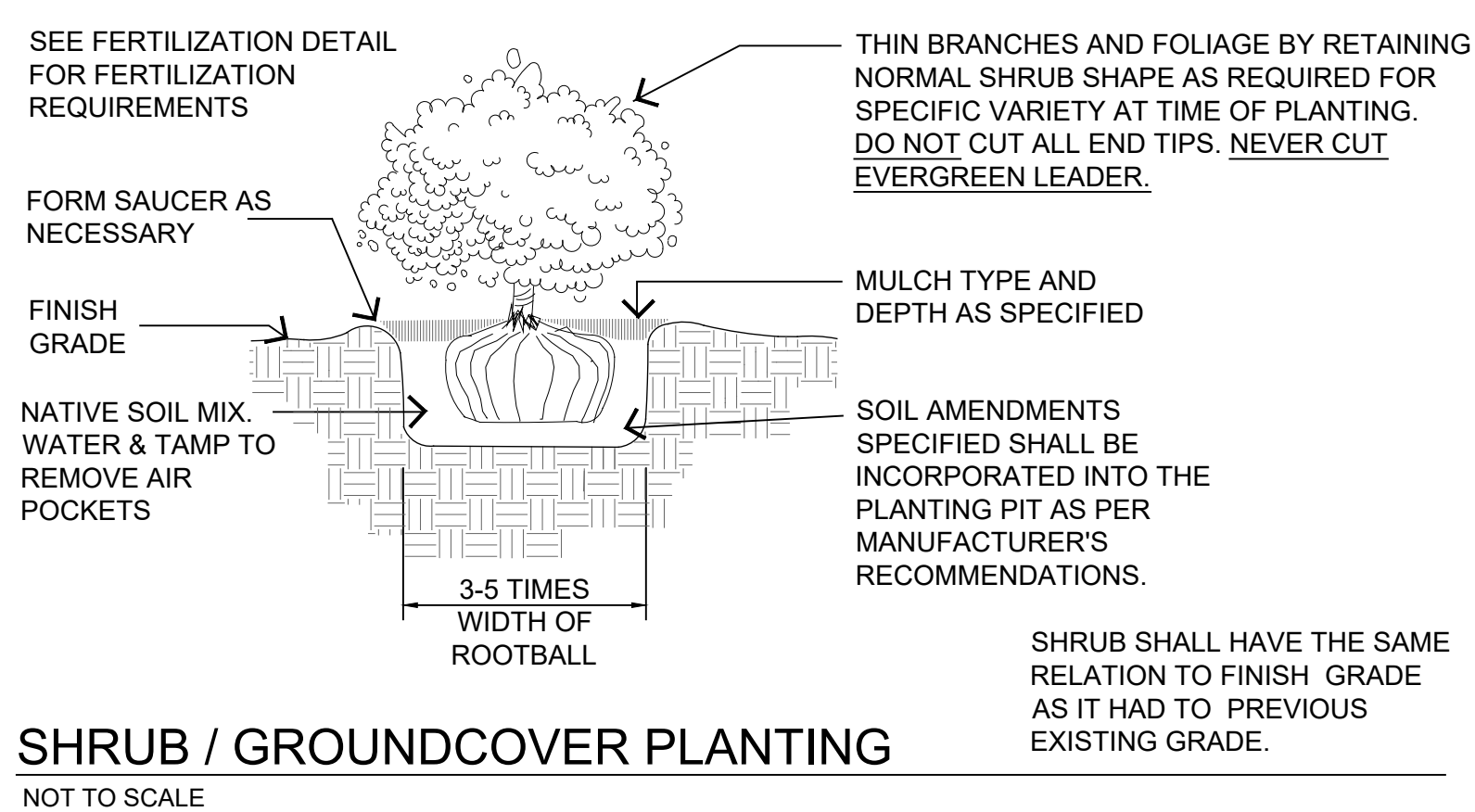
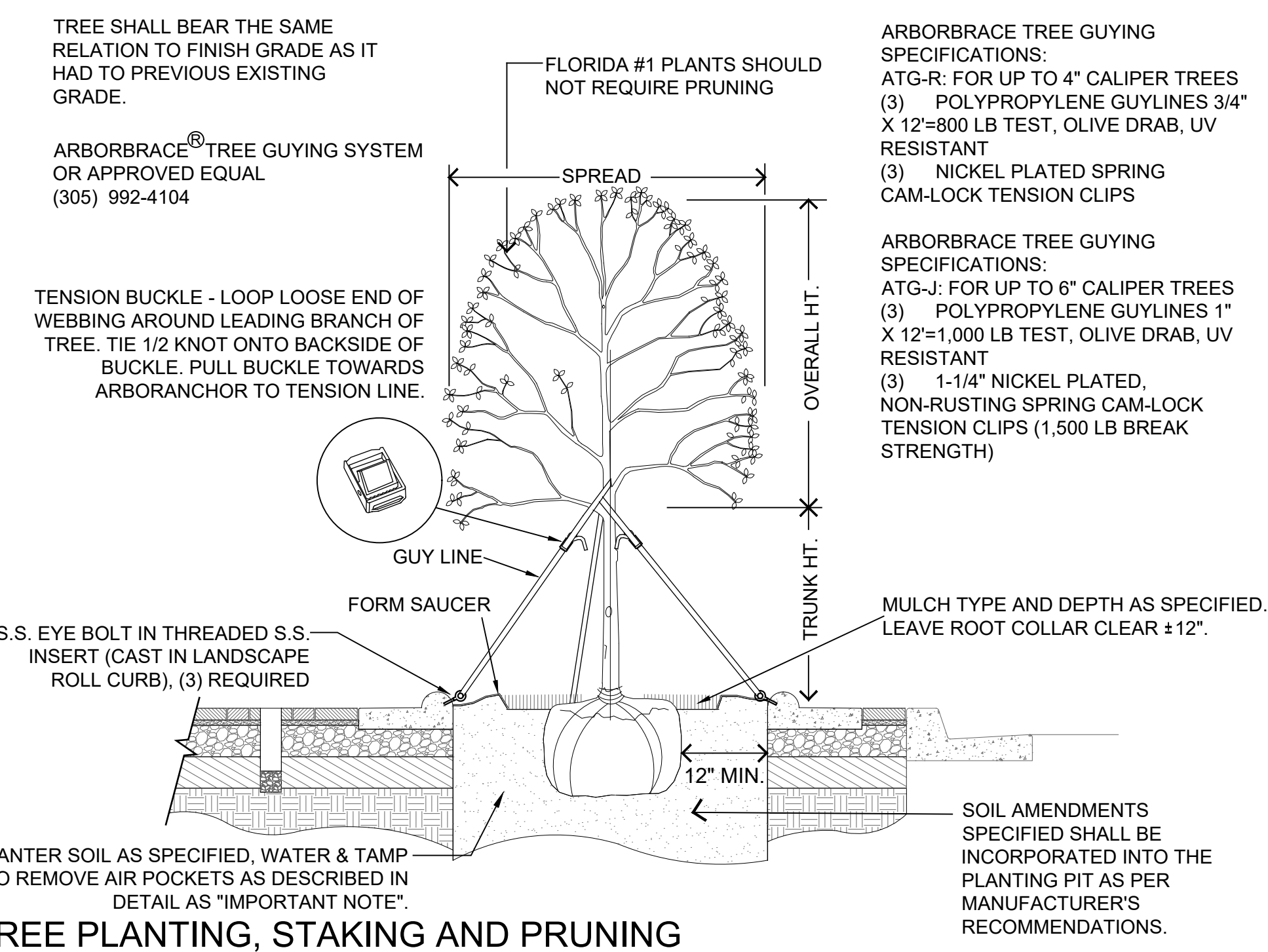
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- NOTE:**
- THIS CONTRACT IS SUBJECT TO THE RULES AND REGULATIONS OF GRADES AND STANDARDS FOR NURSERY PLANTS AS PUBLISHED BY THE DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
 - ALL PLANTS NOT LISTED IN GRADES AND STANDARDS FOR NURSERY PLANTS, PUBLISHED BY THE DIVISION OF PLANT INDUSTRY, SHALL CONFORM TO A FLORIDA NO. 1 AS TO: 1. HEALTH AND VITALITY, 2. CONDITION OF FOLIAGE, 3. ROOT SYSTEM, 4. FREEDOM FROM PEST OR MECHANICAL DAMAGE, 5. HEAVILY BRANCHED AND DENSELY FOLIATED ACCORDING TO THE ACCEPTED NORMAL SHAPE OF THE SPECIES OR SPORT.
 - AT THE CONCLUSION OF THIS PLANTING, IF THE LANDSCAPE ARCHITECT OR OWNER HAS REASON TO BELIEVE THAT THE PLANTS ARE NOT OF THE SPECIFIED GRADE, HE WILL REQUEST A REGRADING INSPECTION BY THE DIVISION OF PLANT INDUSTRY, AND SUCH EVIDENCE WILL BE THE BASIS FOR REQUESTING REPLACEMENT OF PLANTS AND FOR LEGAL OR OTHER ACTION TAKEN BY THE DIVISION OF PLANT INDUSTRY ACCORDING TO LAW, SHOULD THIS BECOME NECESSARY.



NOTE: ALL PLANT SIZES INDICATED ON THE PLANT SCHEDULE ARE MINIMUMS. ALL PARTS OF THE SPECIFICATION INCLUDING CALIPER SIZES MUST BE MET AT INSTALLATION.

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PLANTING DETAILS

L-04

DIVISION 2 - SITE WORK
SECTION 0282
LAWNS - CONTINUED

3. SEEDING OPERATIONS:

1. IMMEDIATELY PRIOR TO SEEDING THE GROUND SHALL BE SCARIFIED AND RAKED TO PROVIDE A FRIABLE FINE TEXTURE.
2. SEED AREAS SHALL BE SEEDDED WITH A MECHANICAL SPREADER AT THE RATE OF APPLICATION OF FIVE POUNDS PER ONE THOUSAND SQUARE FEET (10 LBS/1000 SQ. FT.) FOR BAHIA GRASSES. APPLICATION RATES FOR OTHER GRASSES SHALL BE SPECIFIED IN SUPPLEMENTAL SPECIFICATIONS.
3. AFTER SEEDING, ALL AREAS SHALL BE RAKED AND ROLLED TO SATISFACTORY COVER SEED, AND THEN THOROUGHLY WATERED.
4. ALL SEED SHALL BE TILLED INTO SOIL TO A DEPTH OF 12" TO 1". THE PLANTED SEED BED SHALL BE ROLLED AND MULCHED WITH WEED FREE HAY OR STRAW AT A RATE OF 1 BALE/1000 SQ. FT. MIN.
5. MAINTAIN ALL SEEDDED AREAS TO ESTABLISH A STAND OF BAHIA GRASS UNTIL FINAL ACCEPTANCE BY THE OWNER.

IV. GENERAL GUARANTY: NEITHER THE FINAL CERTIFICATE OF PAYMENT NOR ANY PROVISION OF THE CONTRACT DOCUMENTS NOR PARTIAL OR ENTIRE OCCUPANCY OF THE PREMISES BY THE OWNER SHALL CONSTITUTE AN ACCEPTANCE OF WORK NOT DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR RELIEVE THE CONTRACTOR OF LIABILITY IN RESPECT TO ANY EXPRESS WARRANTIES OR RESPONSIBILITY FOR FAULTY MATERIAL AND/OR WORKMANSHIP. THE CONTRACTOR SHALL REMEDY ANY DEFECTS IN THE WORK AND PAY FOR ANY DAMAGE TO OTHER WORK RESULTING THEREFROM WHICH SHALL APPEAR WITHIN A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK UNLESS A LONGER PERIOD IS SPECIFIED.

THE GUARANTY PERIOD SHALL COMMENCE AT SUCH TIME AS THE ARCHITECT CERTIFIES THAT THE PROJECT HAS BEEN COMPLETED IN SUBSTANTIAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. IN CERTAIN INSTANCES LIMITED, DEFINED AREAS OF THE PROJECT MAY BE RELEASED BY THE ARCHITECT FOR MAINTENANCE PURPOSES ONLY AND/OR FOR COMMENCEMENT OF THE GUARANTY PERIOD. SUCH PARTIAL RELEASES SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT.

RESPONSIBILITIES OF THE OWNER THROUGHOUT THE GUARANTY PERIOD SHALL BE AS FOLLOWS:

1. MAINTAIN A REGULAR INSPECTION SCHEDULE OF ALL MATERIALS AND WORKMANSHIP INCLUDED WITHIN THE SCOPE OF THE CONTRACTED WORK.
2. ESTABLISH NORMAL, REGULARLY SCHEDULED MAINTENANCE PROCEDURES FOR ALL AREAS OF WORK UNDERTAKEN BY THE CONTRACTOR. SUCH MAINTENANCE PROCEDURES AND FREQUENCY SHALL BE IN KEEPING WITH NORMAL INDUSTRY STANDARDS FOR THE SCOPE AND NATURE OF THE WORK INVOLVED.
3. MAINTAIN A WRITTEN RECORD OF THE MAINTENANCE PROCEDURES UNDERTAKEN INCLUDING THE FREQUENCY OF ALL MAINTENANCE PERFORMED, RECORD OF PROBLEMS ENCOUNTERED AND SOLUTIONS.
4. MONITOR ALL LAWN AREAS FOR PROPER SOIL MOISTURE CONTENT AND THE UNIFORMITY OF WATER APPLICATION OVER TIME, AS COMPENSATED FOR SEASONAL VARIATION AND LOCAL CLIMATE. APPLY LOCALIZED HAND WATERING AS NECESSARY TO ENSURE PROPER MOISTURE LEVELS FOR THE ESTABLISHMENT OF TURF IN UNIQUE MICRO-ENVIRONMENTS.
5. PROVIDE WRITTEN NOTIFICATION TO THE CONTRACTOR AND THE ARCHITECT OF ANY MATERIAL AND/OR WORKMANSHIP THAT IS BELIEVED TO BE AT A LEVEL OF QUALITY AND/OR PERFORMANCE BELOW THAT WHICH WAS SPECIFIED WITHIN THE CONTRACT DOCUMENTS AND SUBJECT TO THE CONTRACTOR'S GUARANTY. SUCH NOTICE SHALL BE DELIVERED TO THE CONTRACTOR AND THE ARCHITECT VIA MAIL TO THEIR LAST KNOWN ADDRESS.

RESPONSIBILITIES OF THE CONTRACTOR THROUGHOUT THE GUARANTY PERIOD SHALL INCLUDE THE FOLLOWING:

1. PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A WRITTEN MAINTENANCE SCHEDULE WHICH ADDRESSES ALL ASPECTS OF THE WORK SCOPE AS COMPLETED UNDER THIS CONTRACT.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE OF ALL ITEMS WITHIN THE WORK SCOPE FOR THE ENTIRE COURSE OF THE CONTRACT UNLESS SPECIFICALLY NOTED OTHERWISE WITHIN THE CONTRACTOR DOCUMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING THE PROJECT SITE AT REGULAR INTERVALS DURING THE GUARANTY PERIOD. THE FREQUENCY OF SUCH INSPECTIONS SHALL BE AT THE DISCRETION OF THE CONTRACTOR; HOWEVER, THE FREQUENCY SHALL BE SUCH THAT THE CONTRACTOR IS SATISFIED THAT HE CAN PERCEIVE POTENTIAL MAINTENANCE CONCERNS, NOTIFY THE OWNER AND PROTECT HIS INTERESTS IN THE GUARANTY OF MATERIALS AND WORKMANSHIP.
4. FAILURE OF THE CONTRACTOR TO COMPLY WITH ANY OF THE ABOVE CONTRACTOR RESPONSIBILITIES SHALL BE CONSIDERED AS HIS ACCEPTANCE OF ALL MAINTENANCE SCHEDULES AND PROCEDURES AS BEING PERFORMED BY THE OWNER AND THE CONTRACTOR SHALL THEREBY FORFEIT HIS RIGHT TO DISPUTE ANY QUESTION ARISING AS TO GUARANTY OF SPECIFIC MATERIALS AND/OR WORKMANSHIP.
5. THE CONTRACTOR GUARANTEES ALL SOG AND/OR SEEDING TO BE ALIVE AND IN SATISFACTORY GROWTH AT THE END OF NINETY (90) DAYS, PROVIDING APPROPRIATE MAINTENANCE HAS BEEN PROVIDED BY THE OWNER. IF IMPROPER MAINTENANCE IS BEING PROVIDED THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING, WITH A COPY TO THE ARCHITECT, AS TO WHAT STEPS ARE NECESSARY TO BE TAKEN.
6. ACCEPTANCE BY THE OWNER SHALL BE MADE AT SUCH TIME AS GRASSING OPERATIONS HAVE BEEN INSPECTED AND ACCEPTED BY THE ARCHITECT AND OWNER, SUBJECT TO IV. 1 ABOVE. ANY SEED AREAS OVER ONE FOOT SQUARE NOT COVERED BY TURF SHALL BE RE-SEEDDED BY THE CONTRACTOR. ANY SODDED AREAS OVER ONE FOOT SQUARE THAT ARE DEAD OR DYING SHALL BE RE-SODDED BY THE CONTRACTOR, AT THE END OF THE NINETY (90) DAY GUARANTEED PERIOD A FINAL INSPECTION SHALL BE MADE BY THE ARCHITECT AS TO ACCEPTABILITY OF ALL LAWN AREAS.

END SECTION 2-0282

DIVISION 2 - SITE WORK
SECTION 0283
PLANTING

I. GENERAL

1. NOMENCLATURE: THE NAMES USED CONFORM TO THE NAMES GIVEN IN 'STANDARDIZED PLANT NAMES' EXCEPT IN CASES NOT COVERED BY THAT BOOK. IN WHICH CASE, THE NAMES CONFORM TO THE CUSTOMS OF THE TRADE.
2. SUMMARY OF MATERIALS LISTS: AN ITEMIZED LIST OF PLANTS IS SHOWN IN THE SPECIFICATIONS AND COMPLETE REQUIREMENTS FOR THESE PLANTS ARE A PART OF THIS SPECIFICATION.
3. ALL PLANT MATERIAL FURNISHED BY THE CONTRACTOR, UNLESS OTHERWISE SPECIFIED, SHALL BE FLORIDA NO. 1 OR BETTER, IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, STATE PLANT BOARD OF FLORIDA. THE LANDSCAPE ARCHITECT RESERVES ALL RIGHTS TO DETERMINE ACCEPTABILITY OF PLANT MATERIAL SUBMITTED FOR PLANTING. PALMS MUST MEET SPECIFICATIONS CONTAINED HEREIN, BUT NEED NOT NECESSARILY BE NURSERY GROWN STOCK.
4. ALL PLANT SIZES LISTED AND NOTED ON THE PLANS ARE 'MINIMUMS'. ALL PARTS OF THE PLANT SPECIFICATION INCLUDING CALIPER SIZES MUST BE MET AT THE TIME OF INSTALLATION.

II. MATERIALS

1. TREES AND PALMS: ALL TREES MUST HAVE A FULLY DEVELOPED FIBROUS ROOT SYSTEM, BE HEAVILY BRANCHED, OR IN THE CASE OF PALMS, HEAVILY FROND, FREE FROM ALL INSECTS, FUNGUS, AND OTHER DISEASES. ALL TREES AND PALMS SHALL BE BALLED AND BURLAPPED OR IN A CONTAINER, GROW BAG MATERIAL IS NOT ACCEPTABLE. ALL TREES AND PALMS SHALL HAVE A HABIT OF GROWTH THAT IS NORMAL FOR THE SPECIES. IN THE CASE OF TREES NAMED AS SPECIMEN ITEMS, THE LANDSCAPE ARCHITECT SHALL RETAIN THE RIGHT TO REJECT THEM WHEN THEY LACK PROPER LANDSCAPE ARCHITECTURAL CHARACTER, CALIPER, HEIGHT AND SPREAD AS CALLED FOR BY ITS USE ON THE PLAN. (THIS SHALL BE DETERMINED PRIOR TO PLANTING AT THE REQUEST OF THE LANDSCAPE CONTRACTOR.)
2. SHRUBS AND VINES: ALL SHRUBS AND VINES SHALL HAVE A FULLY DEVELOPED ROOT SYSTEM, AND SHALL FULFILL DIMENSIONAL REQUIREMENTS AND BE CONSIDERED NORMAL FOR THE SPECIES UNLESS STATED. SHRUBS AND VINES SHALL BE HEAVILY CANDED AND LEAFED FOLIAGE TO BASE AND SHALL BE FREE FROM INSECTS, DISEASES AND MUTILATIONS OF ANY NATURE. SELF-HEADING SHALL BE PLANTED IN WELL ROTTED MANURE IN PITS TWELVE INCHES (12") GREATER AT ALL DIMENSIONS THAN THE BALL OF THE PLANT. ALL ROOTED PLANTS SHALL BE PLANTED IN PITS TWELVE INCHES (12") GREATER THAN THE BALL OF THE PLANTS. DOMESTIC PEAT SHALL BE USED TO FILL THE CAVITY BETWEEN BALL AND PIT. SOIL AMENDMENTS SHALL BE ADDED TO INSURE PROPER ACIDIC REACTION OF SOIL. WHEN AZALEAS ARE PLANTED IN MASONRY PLANTERS OR PLANTING AREAS THE SIDES OF AREA SHALL BE LINED WITH .005 POLYETHYLENE TO PROTECT FROM ALKALINE NATURE OF MASONRY.
3. GROUNDCOVERS: ALL GROUNDCOVERS SHALL HAVE A STURDY FIBROUS ROOT SYSTEM, UNLESS UNROOTED CUTTINGS ARE CALLED FOR ON THE PLANS AND/OR SUMMARY OF MATERIALS, SHALL BE HEAVILY LEAFED AND MUST BE FREE OF ALL INSECTS, DISEASES AND INJURIES.

III. EXECUTION

1. DIGGING AND MOVING:

1. B & B PLANTS: NO PLANT SHALL BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN CRACKED OR BROKEN. THE DIAMETER OF THE BALL MUST BE SUFFICIENT TO ENCOMPASS THE FIBROUS AND FEEDING ROOT SYSTEM NECESSARY FOR THE MAXIMUM DEVELOPMENT OF THE PLANT.
2. ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAS BEEN REMOVED.
3. PROTECTION AFTER DELIVERY: THE BALLS OF B & B PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY ON DELIVERY SHALL BE COVERED WITH MOIST SOIL OR MULCH, OR EQUAL PROTECTION FROM DRYING WINDS OR SUN, AND KEPT MOIST.
4. PROTECTION: TREES MOVED BY WINCH OR CRANE SHALL BE THOROUGHLY PROTECTED FROM CHAIN MARKS, GIRDLING OR BARK SLIPPAGE BY MEANS OF BURLAP, WOOD BATTENS OR OTHER APPROVED METHOD

2. PREPARATION OF GROUND PLANTING:

1. NO PLANT PIT SHALL BE DUG OR PREPARED UNTIL THEIR LOCATIONS HAVE BEEN STAKED, SPRAYED OR FLAGGED ON THE GROUND AND APPROVED. ALL PLANT MATERIALS SHALL BE SUBJECT TO INSPECTION AT ANY TIME BY THE OWNER TO DETERMINE ADHERENCE TO QUALITY AND SIZE.
2. CIRCULAR PITS WITH VERTICAL SIDES SHALL BE EXCAVATED FOR ALL PLANTS. DIAMETER OF PITS FOR TREES SHALL BE AT LEAST TWO FEET (2') GREATER THAN THE DIAMETER OF THE BALL. THE DEPTH OF PITS FOR TREES SHALL BE ENOUGH TO ACCOMMODATE THE BALL WHEN THE PLANT IS SET TO FINISH GRADE ALLOWING FOR SIX INCHES (6") COMPACTED PLANTING SOIL IN THE BOTTOM OF THE PIT.

3. PLANTING OPERATIONS:

1. SETTING PLANTS: ALL PLANTS SHALL BE PLANTED IN PITS, CENTERED AND SET ON SIX INCHES (6") OF COMPACTED TOPSOIL TO SUCH A DEPTH THAT THE FINISH GRADE LEVEL AT THE PLANT AFTER SETTLEMENT WILL BE THE SAME AS THAT AT WHICH THE PLANT WAS GROWN. ALL PLANTING AREAS SHALL RECEIVE ADEQUATE FERTILIZATION WITH AGRIFORM TABLETS AS PER SCHEDULE IN PLANS. WATERING SHALL COMMENCE WITH BACKFILLING TO ELIMINATE ALL AIR POCKETS. NO BURLAP SHALL BE PULLED OUT FROM UNDER BALLS. ROOTS SHALL BE SPREAD IN THEIR NORMAL POSITION. ALL BROKEN OR FRAYED ROOTS SHALL BE CUT OFF CLEANLY. PLANTING SHALL BE SET SO THAT THE FINAL GRADE OF GROUND AROUND THE PLANTS SHALL CONFORM TO SURROUNDING GRADES.
2. COORDINATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COORDINATION OF PLANTING OPERATIONS WITH THE BUILDING CONTRACTOR AND ANY OTHER CONTRACTOR ON THE JOB. REPAIR OF DAMAGE TO PLANTS, GRADES, LAWNS, ETC., DURING INSTALLATION SHALL NOT BE CONSIDERED AS AN EXTRA, AND NOT CHARGEABLE TO THE OWNER. DAMAGE CAUSED BY OTHER CONTRACTORS WILL BE THE RESPONSIBILITY OF SAID CONTRACTOR.

4. PRUNING:

1. THE AMOUNT OF PRUNING, UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT, SHALL BE LIMITED TO THE MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES AND TO COMPENSATE FOR THE LOSS OF ROOTS AS A RESULT OF TRANSPLANTING OPERATIONS. PRUNING SHALL BE DONE IN SUCH A MANNER AS TO NOT CHANGE THE NATURAL HABIT OR SHAPE OF THE PLANT. ALL CUTS OVER ONE-HALF INCH (1/2") IN DIAMETER SHALL BE TREATED WITH AN APPROVED TREE PAINT.
2. ALL TREES SHALL BE TRIMMED UP FOR CLEAR TRUNK, AS DIRECTED BY THE LANDSCAPE ARCHITECT. SUCH PRUNING IS FOR AESTHETIC CHARACTER AND SHALL BE DONE ONLY UNDER HIS DIRECTION.

5. WATERING:

1. ALL PLANT MATERIAL SHALL BE WATERED IN AT THE TIME OF PLANTING, AND NOT LEFT TO DRY OUT UNTIL THE END OF THE DAY. THE AUTOMATIC IRRIGATION SYSTEM, IF SPECIFIED, DOES NOT REPLACE THE NEED FOR HANDWATERING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATERING TO AVOID TRANSPLANT SHOCK.
6. CONTRACTORS RESPONSIBILITY FOR CONDITIONS OF PLANTINGS:
 1. THE CONTRACTOR SHALL ASSURE THAT THE PLANTS ARE KEPT ADEQUATELY WATERED, THAT THE GUY WIRES ARE KEPT TIGHT AND THE BRACES ADJUSTED AS NECESSARY, THAT ALL PLANTING AREAS AND BEDS ARE KEPT FREE OF WEEDS AND UNDESIRABLE PLANT GROWTH AND THAT THE PLANTS ARE FERTILIZED AS NECESSARY SO THAT THEY ARE HEALTHY, VIGOROUS AND UNDAMAGED AT THE TIME OF ACCEPTANCE. HIS RESPONSIBILITY FOR PROTECTION AGAINST MECHANICAL DAMAGE SHALL INCLUDE THE PROVIDING OF PROTECTION FROM VEHICLES, INCLUDING THE POSTING OF APPROVED WARNING SIGNS AND BARRICADES, AS MIGHT BE NECESSARY. HE SHALL REPAIR, RESTORE OR REPLACE ANY PLANTS OR PLANTING AREAS WHICH MIGHT BECOME DAMAGED AS A RESULT OF ANY NEGLIGENCE BY HIM IN COMPLYING WITH THESE REQUIREMENTS. AS A SPECIFIC REQUIREMENT OF THESE CONDITIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL PLANTS AT THE TIME OF FINAL INSPECTION, EXHIBIT THE CHARACTERISTICS AND QUALIFICATIONS REQUIRED FOR THE GRADE OF PLANT AS ORIGINALLY SPECIFIED.

END SECTION 2-0283

DIVISION 2 - SITE WORK
SECTION 0287
BEDDING PLANT SOIL PREPARATION

I. SCOPE: UNDER THIS ITEM, PERFORM ALL WORK NECESSARY FOR INSTALLING ANNUALS AS SHOWN ON THE DRAWINGS OR INFERABLE THEREFROM AND/OR AS SPECIFIED, IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

II. MATERIALS: GENERAL - ADD OR SUBTRACT THE FOLLOWING MATERIALS FROM THE SOIL MIX PREPARATION AS SPECIAL SITE CONDITIONS MAY REQUIRE AND AS DETERMINED BY SOIL TESTS. SOIL SHALL HAVE A PH OF BETWEEN 5.0 AND 6.5.

- 10 LBS. DOLOMITE PER 100 SQ. FT. OF BEDDING AREA
- 5 LBS. MICROMAX PER 100 SQ. FT. OF BEDDING AREA
- 22 LBS. OSMOCOTE 14 14 14 PER 100 SQ. FT. OF BEDDING AREA
- 8 LBS. ELEMENTAL SULPHUR PER 1000 SQ. FT. OF BEDDING AREA
- 3' CANADIAN PEAT MOSS
- MYCOR FLOWER BED INOCULANT BY PHC PRODUCTS, (ENDOMYCORRHIZAL).

III. EXECUTION: PRIOR TO PLANTING, THE SURFACE SHALL BE CLEARED OF ALL TRASH, DEBRIS, AND STONES LARGER THAN ONE INCH (1") IN DIAMETER, AND OF ALL ROOTS, BRUSH, WIRE, GRADE STAKES, AND OTHER OBJECTS, THAT WOULD INTERFERE WITH PLANTING OR MAINTENANCE OPERATIONS. APPLY CHEMICALS AND PEAT TO AREA. ROTOTIL CHEMICALS AND PEAT SIX INCHES (6") INTO SOIL. MULCH WITH CYPRESS MULCH AT TWO TO THREE INCHES (2" - 3") DEEP.

PLANT ANNUALS: WATER TWO INCHES (2") PER DAY FOR THE FIRST TWO (2) WEEKS. SPRAY TWO (2) DAYS AFTER PLANTING AND TEN (10) DAYS AFTER WITH ORTHENE AND VIDATE. DO NOT APPLY ORTHENE OR VIDATE ON MUMS.

END SECTION 2-0287

SITE DEVELOPMENT PLANS FOR:
EPIPHANY CATHEDRAL EXPANSION
VENICE, FLORIDA
DIOCESE OF VENICE IN FLORIDA

PROJECT NO.	2022-74
SCALE	AS SHOWN
DATE	07-31-2023
DRAWN BY	PJS
ISSUED	07-31-2023

REVISIONS				
NO.	DESCRIPTION	INIT.	NO.	DESCRIPTION
1.	PER CITY OF VENICE 09-14-23	PJS		

PHILLIP J. SMITH
RLA #1096

dwja
LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
630 S. ORANGE AVE. SUITE 202 • SARASOTA, FL 34236 • (941) 366-3159 • LCC083

PLANTING
SPECIFICATIONS

L-06

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