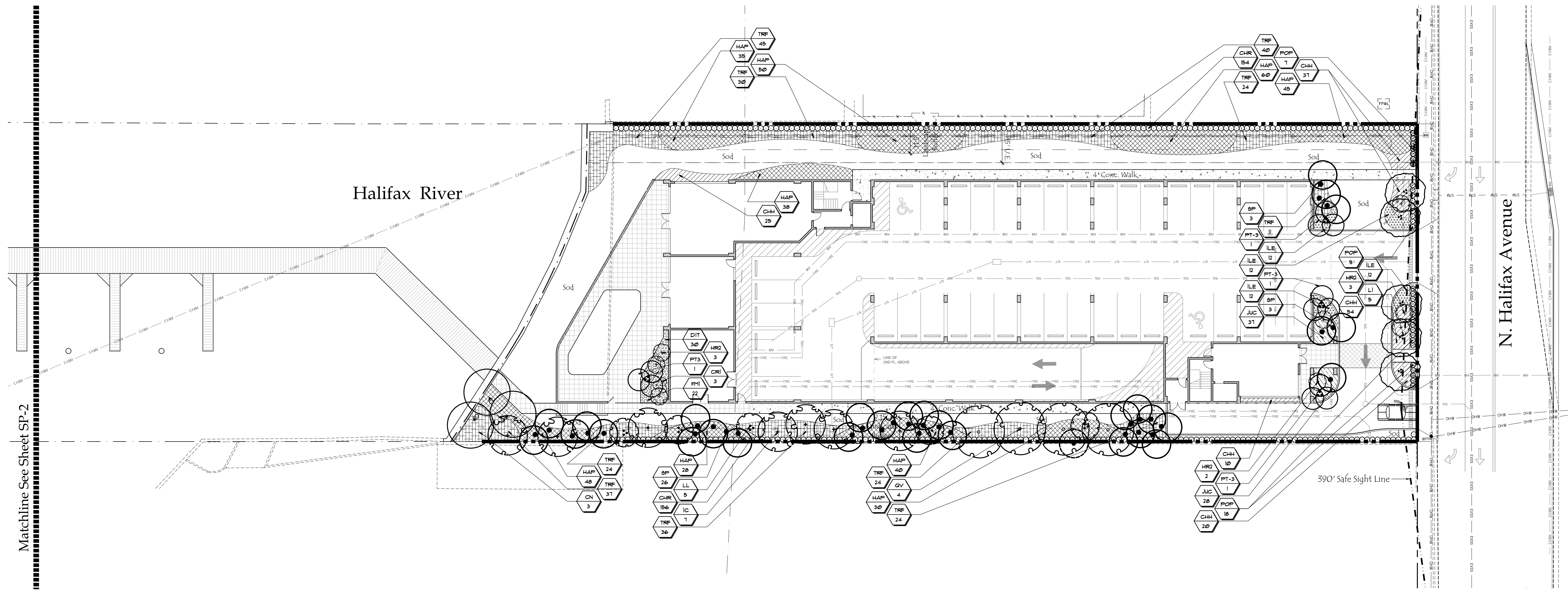


Gentile Glas
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Daytona Beach, Florida



Matchline See Sheet SP-2

Landscape Data		11.15.19		
Site Area 1.000 Acres (41,733.7 S.F.)				
Buffers	Required	Provided		
Side (South)	10'	10'		
Side Corner (North)	10'	10' **		
Front (East)	10'	10'		
Rear (West)	5'	5'		
Tree Coverage	Lot Area	Trees Required	Trees Provided	
Minimum Tree Caliper (6" Tree Caliper per 2,500 SF) (Sec. 6.15.5.a)	41,733.7 S.F.	102"	163.5**	
Min. Tree Coverage (Canopy) (Art. 6. Sec. 6.15.3 (a))		6,260 SF (15%)	6,500 SF (15.6%)	
Tree Species Diversity Art. 6 Sec 6.4.E.1.b (v)				
No. of Trees Required	Number of Species Req'd	Number of Species Provided		
11 to 20 Trees	2 trees	8 trees		
Minimum Required Landscape Area Art. 6.4.E.vii				
Required 8,346.8 SF (20% of Site)	Provided 12,472.7 SF (29.9% of Site)			
25% of required Landscape Area as Groundcover, Vines or Shrubs				
2,086.7 SF Required	6,656 SF Provided			
Tree Type	Minimum Standard	Lineal Feet	Required Provided	
Per Art. 6, Sec. 6.4.E.1.b.iii				
Perimeter Shade Trees (*)				
North	1/40'	310.98	8	0**
South	276/40' & 97.6' (UVA)/50'	361.71	9	21***
East	24.33/40' & 98.51'(UVA)/50'	122.84	6	5**
Perimeter Small Trees				
North	1/80'	310.98	4	0**
South	276/80' & 97.6' (UVA)/80'	361.71	5	5
East	1/80'	122.84	3	3
Vehicle Use Islands 1 per Island 3 Islands 3 3				
Building Shade Trees At bldg corners & 1 per 50 L.F. 17 (9 + 8 from excess of adjacent buffer***)				
Total			55	55

* Palm trees are calculated 2/1 for shade trees.
 ** Due to drip line conflict with the City's existing Public water line easement on the north PL trees were not required.
 *** Excess trees from perimeter buffer used for south side building plantings.

Legend

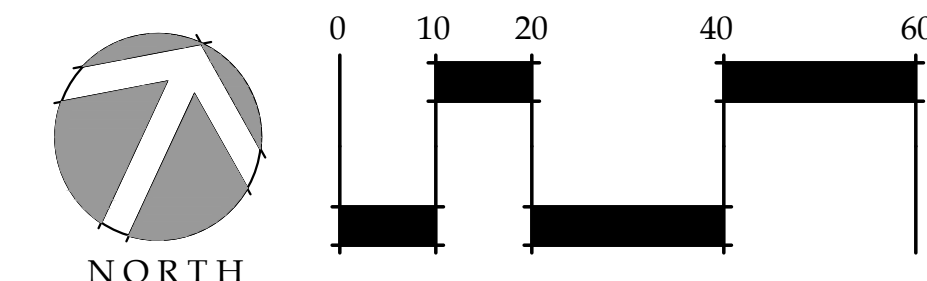
- Coconut Palm (CN)
- Live Oak (QV)
- Palatka Holly (IC)
- Crepe Myrtle (LI)
- Ligustrum (LL)
- Triple Alexander Palm (PT3)
- Sabal Palm (SP)
- Hibiscus (HR2)
- Crinum Lily (CRI)
- Red Tip Cocoplum (CHR)
- Dwf Podocarpus (POP)
- Florida Gamma Grass (TRF)
- Firebush (HAP)
- Horizontal Cocoplum (CHH)
- Dwarf Shore Juniper (JUC)
- Dwarf Ilex Schillings (ILE)
- Flax Lily Dianella (DIT)
- Green Island Ficus (FMI)

General Landscape Notes

- MOISTURE SENSING DEVICES WILL BE USED TO AVOID IRRIGATING DURING RAINFALL.
- ALL LIGHTING & LANDSCAPE SHALL BE FIELD ADJUSTED TO AVOID CONFLICT WITH EXISTING & PROPOSED UTILITIES
- ROOT BARRIERS SHALL BE PROVIDED FOR ALL TREES OR LARGE PALMS ABUTTING UTILITIES & SIDEWALKS SO AS TO AVOID FUTURE CONFLICTS
- THE EXISTING VEGETATION NOT UTILIZED SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A CORRECT MANNER
- MULCH IS TO BE APPLIED TO ALL PLANTING BEDS, 3" THICK MIN.
- MULCH SHALL BE PLACED SO THAT THERE IS ONLY 1" OF MULCH APPLIED OVER THE ROOTBALL & 3" OF MULCH OUTSIDE OF THE ROOTBALL
- TREES TO BE PLANTED A MIN. OF 2" ABOVE GRADE & SHRUBS SHALL BE PLANTED SLIGHTLY ABOVE GRADE.
- ALL PLANTING / OPEN SPACE AREA SHALL RECEIVE 100% OF COVERAGE FROM A FULLY AUTOMATIC IRRIGATION SYSTEM EQUIPPED WITH A RAIN SENSOR
- ALL SPECIMEN TREES WILL BE COORDINATED WITH THE LANDSCAPE ARCHITECT FOR ALL SELECTIONS AND SIZING.
- EXISTING TREES TO REMAIN ON THE WEST SIDE OF THE EXISTING SEAWALL SHALL BE PROTECTED AS SPECIFIED ON LP-3 THROUGHOUT SITE DEVELOPMENT
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING OR MITIGATING TREES WITHIN THE TREE PROTECTION ZONES IN THE EVENT OF DAMAGE OR REMOVAL DURING CONSTRUCTION IN ACCORDANCE WITH CODE SEC. 6.15.A.9

Notes:

THESE LANDSCAPE PLANS HAVE BEEN PREPARED TO SATISFY THE MUNICIPALITY REQUIREMENTS AND REFLECT LANDSCAPE REQUIREMENTS FOR THE SITE. THEY ARE NOT TO BE UTILIZED FOR CONSTRUCTION OR BUILDING PERMIT DRAWINGS UNTIL THEY CAN BE MODIFIED TO REFLECT THE FINAL ENGINEERING AND ARCHITECTURAL PLANS.



Designed: MTH/KMS
 Drawn: KMS
 Approved: GGG/MTH/DG
 Date: 1.17.18
 Job no. _____
 Revisions: 4.9.19
6.20.19
9.9.19
11.15.19

 Cad no. CAD0

Seal

L.C.000177
 Sheet Title:
**Landscape
 Development
 Plan**

Scale: 1" = 20'

Sheet No.

LP-1

00-0000

Plant List

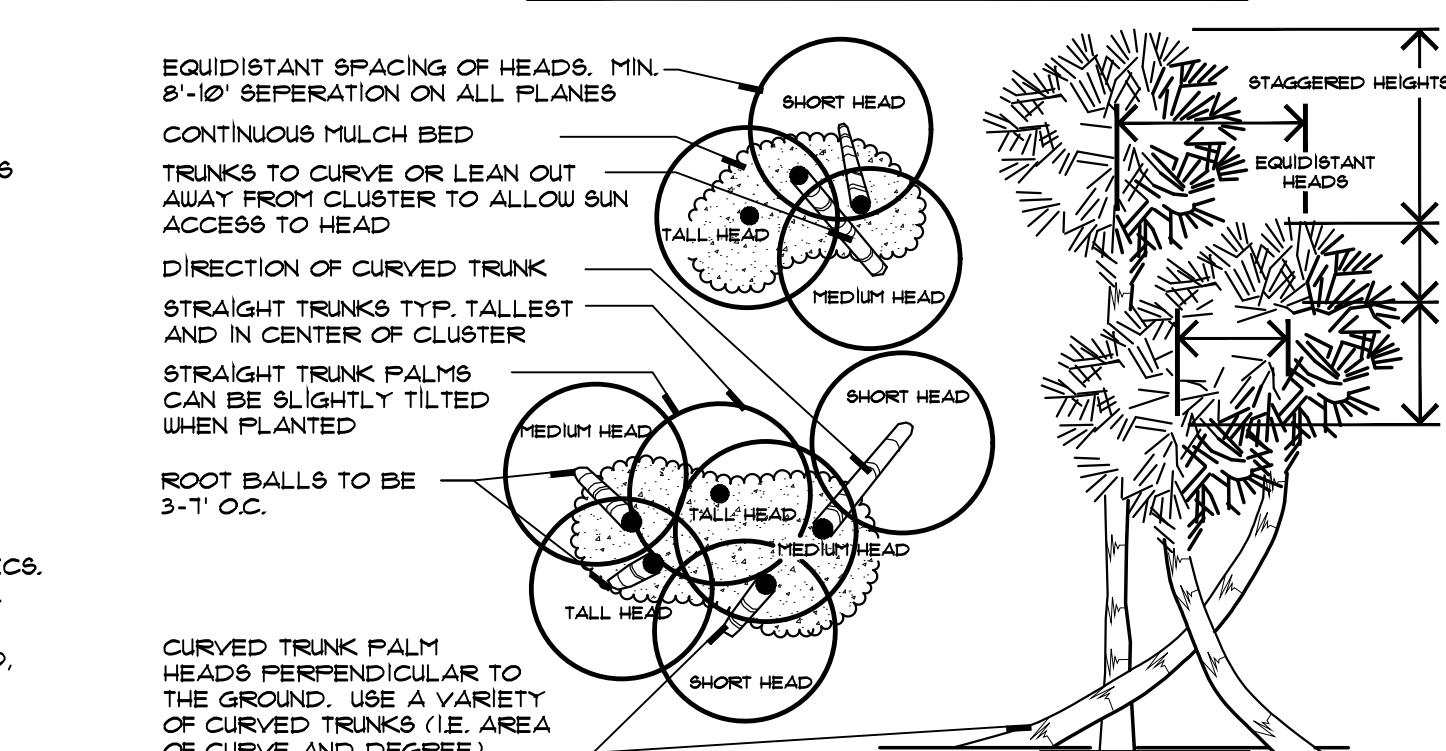
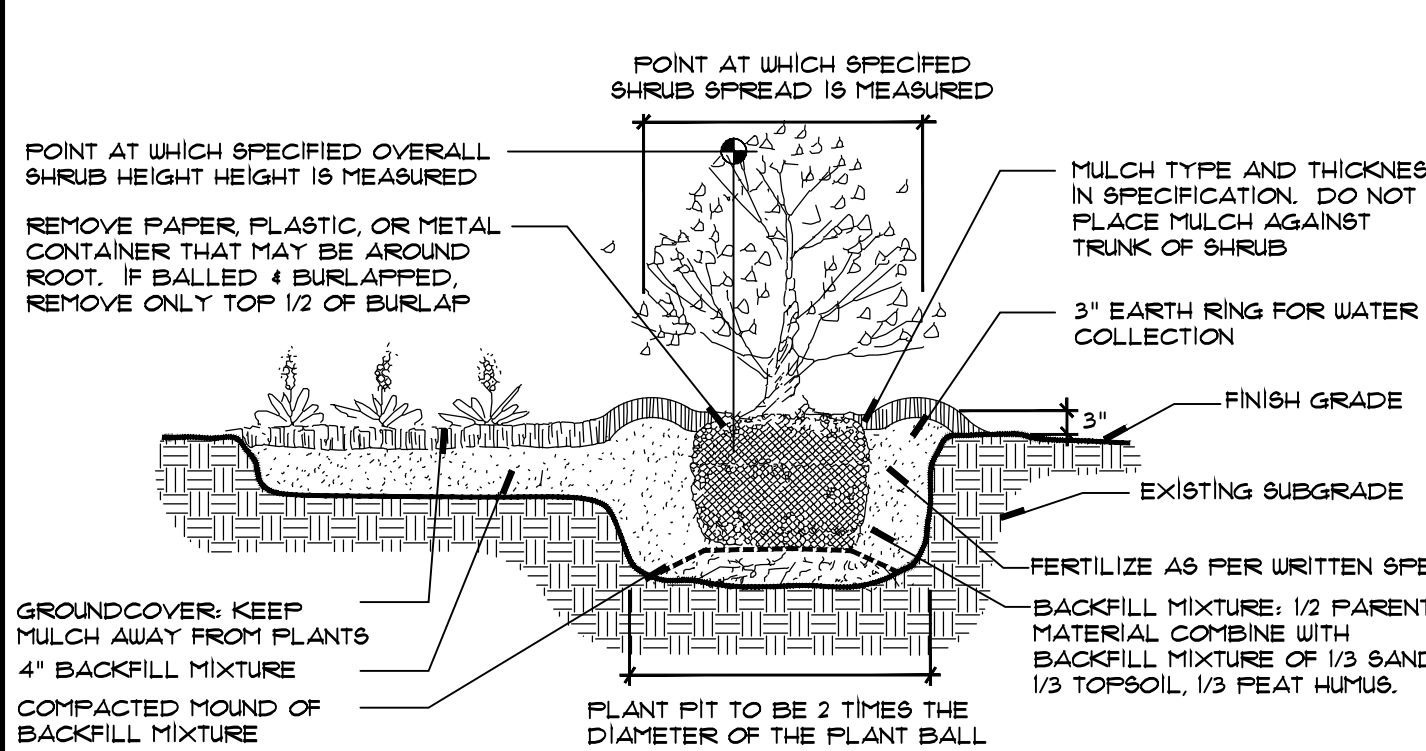
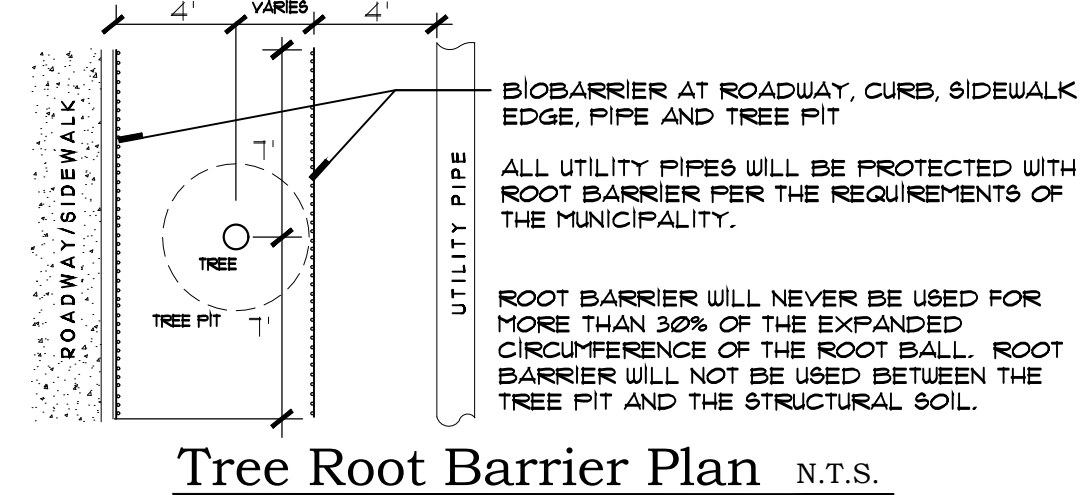
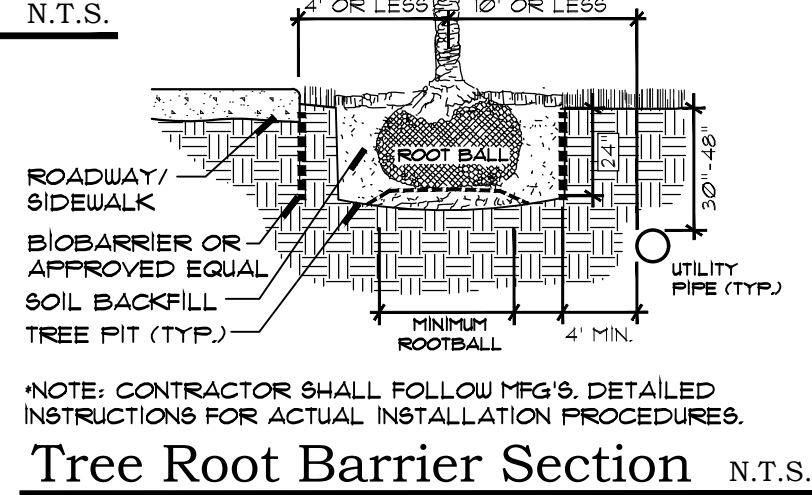
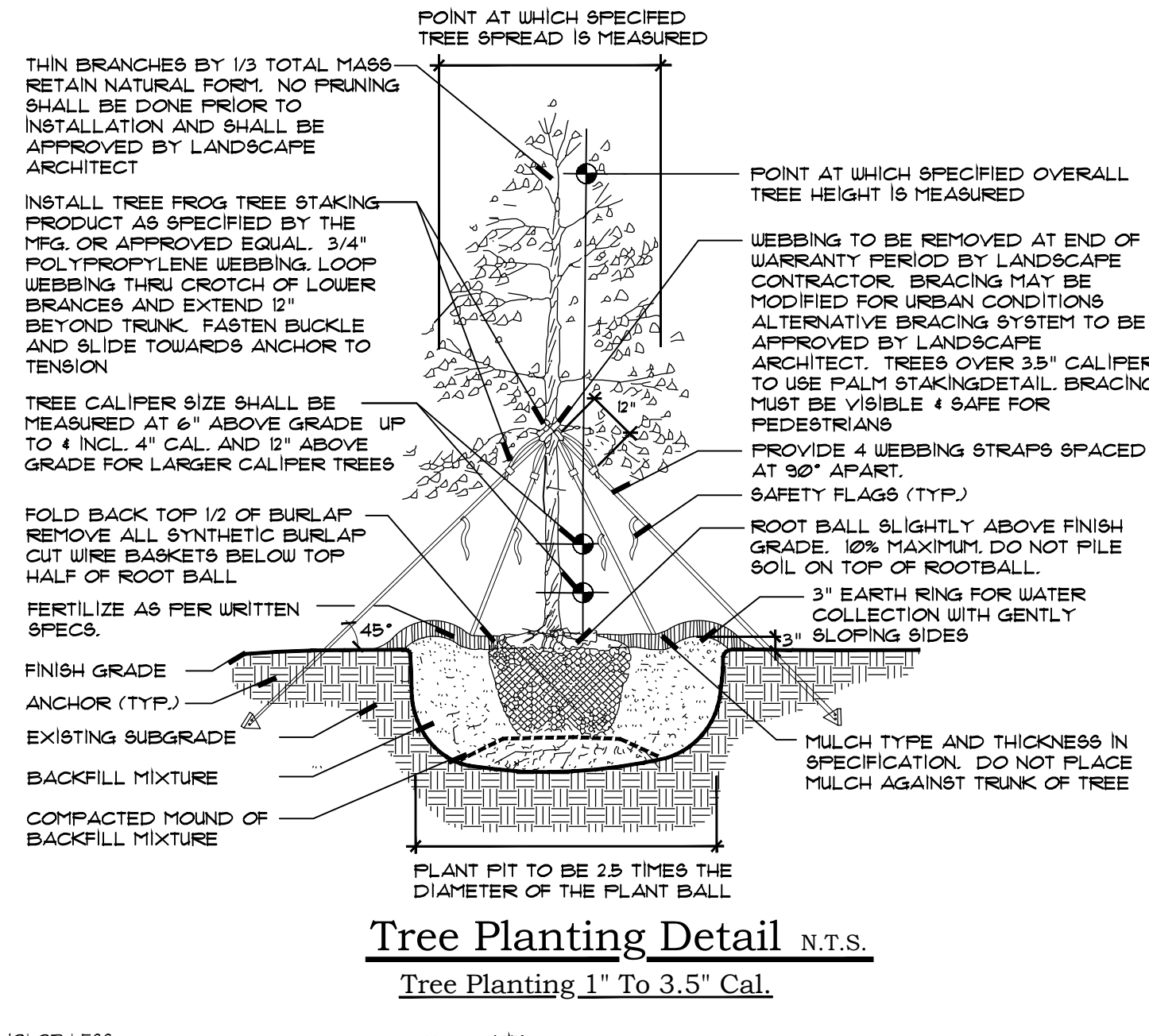
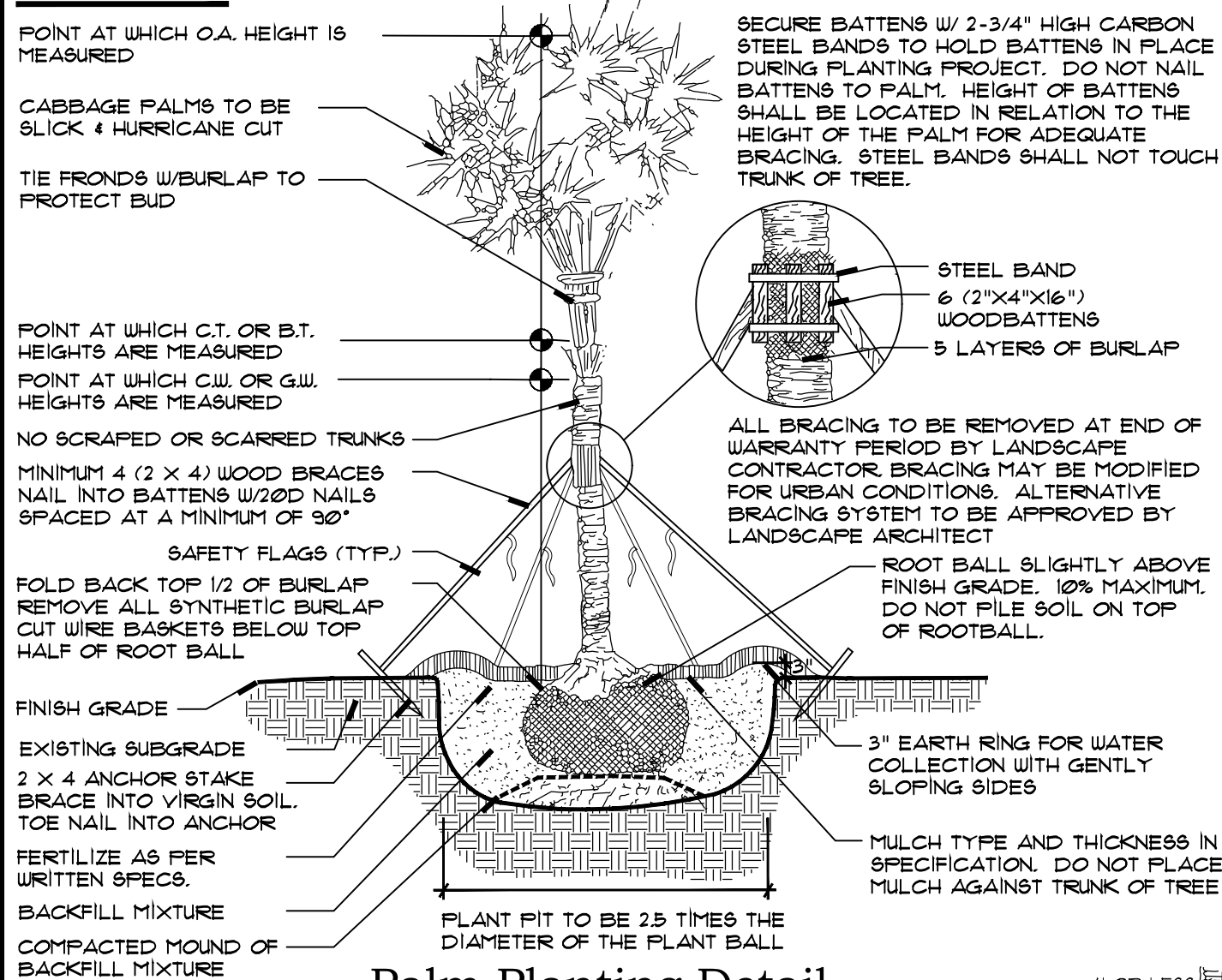
TREES & PALMS								
KEY	QTY.	BOTANICAL NAME	COMMON NAME	HEIGHT	WIDTH	CALIPER	SPACING	REMARKS
- V CN	3	COCOS NUCIFERA 'MAYPAN'	COCONUT PALM	20-25'	C.T.	-	A.S.	FULL & THICK
* V M HR2	8	HIBISCUS 'SEMINOLE PINK'	PINK HIBISCUS STANDARD	6'	3-4'	2.5"	0	FULL, STANDARD, 3' C.T.
* V IC	7	ILEX CASSINE	DAHON HOLLY	12'	5'	8"	0	FULL & THICK
- V IL	5	LIQUISTRUM LUCIDUM	TREE LIQUISTRUM	14' O.A.	-	8"	MULTI	FULL & THICK, MULT TRUNK, 3-4' C.T.
- V PT-3	4	PTYCHOSPHERIA ELEGANS	ALEXANDER PALM	14'	-	3"	A.S.	FULL, TRIPLE TRUNK, MATCHED HEIGHTS
* V QV	4	QUERCUS VIRGINIANA	LIVE OAK	14'	6'	3"	A.S.	4' C.T. MIN. FULL SPECIMEN
* V SP	32	SABAL PALMETTO	SABAL PALM	12-28' C.T.	-	-	A.S.	1/3 CURVED, MIXED HTS., HURRICANE CUT, SLICK TRUNKS
- V LI	5	LAGERSTROEMIA INDICA 'MUSKOGEE'	CREPE MYRTLE	12'	5'	MULTI	0	FULL & THICK, MULTI TRUNK, MATCHED SPECIMENS

SHRUBS & GROUNDCOVERS								
KEY	QTY.	BOTANICAL NAME	COMMON NAME	HEIGHT	WIDTH	GAL.	SPACING	REMARKS
- V CHH	148	CHRYSOBALANUS 'COCO HORIZONTAL'	HORIZONTAL COCOPLUM	10"	12"	3 GAL. MIN.	24"	FULL & THICK TO BASE, MAINTAIN 24"H. OR LESS
* V CHR	310	CHRYSOBALANUS 'COCO RED TIP'	RED TIP COCOPLUM	24"	12"	24"	24"	FULL & THICK TO BASE, PERIMETER HEDGE
- M CRI	3	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM	4'	O.A.	7 GAL. MIN.	A.S.	FULL & THICK, SINGLE TRUNK, NO PUPS
* V ILE	48	ILEX VOMITORIA 'STOKES DWARF'	STOKES DWARF	12"	12"	3 GAL. MIN.	24" O.C.	FULL & THICK TO BASE
* V HAP	374	HAMELIA PATENS	FREBUSH	18"	14"	30"	30"	FULL TO BASE
* V JUC	65	JUNIPERUS CONFERTA 'COMPACTA'	DWARF SHORE JUNIPER	8"	14"	3 GAL. MIN.	24"	FULL
- V POP	34	PODOCARPUS MACROPHYLLUS 'PRINGLES'	DWARF PODOCARPUS	14"	12"	3 GAL. MIN.	24"	FULL & THICK TO BASE, MAINTAIN 24"H. OR LESS
* V TRF	295	TRIPSACUM FLORIDANA	FLORIDA GAMMA GRASS	18"	18"	3 GAL. MIN.	30"	FULL CLUMP
- V FMI	22	FIGUS MICROCARPA 'GREEN ISLAND'	GREEN ISLAND FIGUS	12"	12"	3 GAL. MIN.	24"	FULL & THICK TO BASE
- M DIT	30	DIANELLA TASMANICA	BLUEBERRY FLAX LILY	14"	14"	3 GAL. MIN.	24"	FULL CLUMP

* INDICATES NATIVE PLANT MATERIAL
 V INDICATES VERY DROUGHT TOLERANT
 M INDICATES MODERATE DROUGHT TOLERANCE

LANDSCAPE TO RECEIVE 100% COVERAGE
 ALL LANDSCAPE BEDS TO RECEIVE 3" SHREDDED EUCALYPTUS MULCH

Details



Specifications - Exterior Plants

- 1.4: QUALITY ASSURANCE:**
 SOIL ANALYSIS SHALL BE CONDUCTED BY THE LANDSCAPE CONTACTOR PRIOR TO APPLICATION OF ANY SOIL AMENDMENTS, FERTILIZERS AND BACKFILL MIXTURES. THE LANDSCAPE CONTACTOR SHALL USE A QUALIFIED SOIL TESTING LABORATORY.
- THE RESULT OF THE SOIL TESTS SHALL BE SUBMITTED TO THE OWNER AND LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO THE APPLICATION OF SAID MATERIALS. ADJUSTMENTS TO THE SOIL AMENDMENTS MAY BE MADE UPON CONSULTATION WITH THE OWNER AND THE LANDSCAPE ARCHITECT.
- 1.5: DELIVERY, STORAGE AND HANDLING:**
 PRUNING OF TREES SHALL BE DONE ON SITE AFTER PLANTING FOR DAMAGED LIMBS OR AS DIRECTED TO IMPROVE OVERALL PLANT APPEARANCE. DO NOT REMOVE MORE THAN 15% OF BRANCHES. PRUNING METHODS SHALL FOLLOW STANDARD HORTICULTURAL PRACTICES USING APPROPRIATE TOOLS. LOPPING, SHEARING OR TOPPING OF PLANT MATERIAL WILL BE GROUNDS FOR REJECTION. DAMAGED, SCARRED, FRADED, SPLIT OR SKINNED BRANCHES, LIMBS OR ROOTS TO BE PRUNED BACK TO LIVE WOOD. THE CENTRAL LEADER OR BUD SHALL BE LEFT INTACT UNLESS SEVERELY DAMAGED.
- PRUNE SHRUBS TO REMOVE DAMAGED BRANCHES, IMPROVE NATURAL SHAPE, THIN OUT STRUCTURE AND REMOVE NOT MORE THAN 15% OF BRANCHES.
- 1.6: WARRANTY:**
 WARRANT ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST DEATH AND UNHEALTHY CONDITION, EXCEPT AS MAY RESULT FROM NEGLIGENCE BY OWNER, DAMAGE BY OTHERS AND UNUSUAL PHENOMENA BEYOND CONTRACTOR'S CONTROL. REPLACEMENTS SHALL BE MADE WITH COMPATIBLE SIZE AND QUALITY OF MATERIAL AT A TIME REQUESTED OR ACCEPTABLE BY THE OWNER OR LANDSCAPE ARCHITECT. PLANT MATERIAL REJECTED DURING THE COURSE OF CONSTRUCTION SHALL BE REMOVED WITHIN FIVE (5) WORKING DAYS AND REPLACED BEFORE THE FINAL INSPECTION FOR COMPLETION WILL BE SCHEDULED. WARRANTY ON REPLACEMENT PLANTS SHALL BE 1 YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE REPLACEMENTS. ANY DAMAGE TO LANDSCAPE, SODDED OR SEEDED AREAS DURING REPLACEMENT OF PLANT MATERIAL SHALL BE CORRECTED BY THE LANDSCAPE CONTRACTOR.
- 1.7: MAINTENANCE SERVICE:**
 MAINTENANCE AND GENERAL CLEAN UP SHALL BE PERFORMED DAILY. MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO WATERING, WEEDING, CULTIVATING, RESTORATION OF GRADE, REMOVAL OF LITTER, MOWING, PRUNING, RESETTling SETTLED PLANTS, REMOVING, REPAIRING OR REPLACING STAKES AND GUYS, PROTECTION FROM INSECTS AND DISEASES, FERTILIZATION AND SIMILAR OPERATIONS AS NEEDED TO ENSURE NORMAL GROWTH AND HEALTHY PLANT MATERIAL. MAINTENANCE SHALL BEGIN AFTER EACH PLANT IS PLANTED AND SHALL CONTINUE FOR NINETY (90) DAYS FROM THE DATE OF FINAL ACCEPTANCE.

- 1.8: QUANTITIES, LOCATION AND SUBSTITUTIONS:**
 THE QUANTITIES OF PLANT MATERIALS SHOWN ON PLANS SHALL TAKE PRECEDENCE OVER THE PLANT QUANTITIES ON THE PLANT LIST. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST THE NUMBER AND LOCATIONS OF THE DESIGNATED TYPES AND SPECIES OF PLANTS TO BE USED AT ANY OF THE LOCATIONS SHOWN. THE OWNER SHALL RECEIVE A CREDIT OR DEBIT FOR THE UNIT PRICE OF THE PLANT MATERIAL. NO SUBSTITUTION OF PLANT MATERIAL TYPES, SPECIFICATIONS OR SIZES WILL BE PERMITTED WITHOUT WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT. THE OWNER AND/OR LANDSCAPE ARCHITECT RESERVES THE RIGHT TO NOT ACCEPT PLANT MATERIAL THAT DOES NOT, IN THE OPINION OF THE OWNER AND/OR LANDSCAPE ARCHITECT, MEET THE SPECIFICATIONS HEREIN.
- 2.1: PLANT MATERIAL:**
 PROVIDE SIZES AND SPECIFICATIONS OF PLANTS AS SHOWN ON PLANS OR LISTED ON PLANT LIST. ALL TREES, PALMS, SHRUBS, GROUND COVERS AND OTHER PLANTS SHALL CONFORM TO THE STANDARD OF FLORIDA NO. 1 OR BETTER AS GIVEN IN THE LATEST EDITION OF GRADES AND STANDARDS FOR NURSERY PLANTS BY FLORIDA DEPARTMENT OF AGRICULTURE, PART I AND II. PLANT MATERIAL SHALL ALSO CONFORM TO THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. (ANSI) BULLETIN Z 60.1 - 1990 AND AS REVISED.
- SPECIMEN PLANTS SHALL BE FLORIDA FANCY OR BETTER AND SHALL CONFORM TO THE LITERATURE STANDARDS LISTED ABOVE.
- 2.2:**
2.3:
- 2.4: TOP SOIL:**
 TOPSOIL SHALL BE FRIABLE FERTILE SOIL WITH REPRESENTATIVE CHARACTERISTICS OF AREA SOILS. IT SHOULD BE FREE OF HEAVY CLAY, SILT, STONE, EXCESS LIME, SHELL ROCK, PLANT ROOTS, WEEDS, DEBRIS OR OTHER FOREIGN MATTER. IT SHALL NOT CONTAIN NOXIOUS PLANT GROWTH (SUCH AS BERMUDA, TORPEDO OR NUT GRASS). IT SHALL TEST BETWEEN THE PH RANGE OF 5.0 TO 7.0 UNLESS OTHERWISE SPECIFIED AND CONTAIN NO TOXIC RESIDUE OR SUBSTANCES THAT WOULD ENDANGER PLANT GROWTH. IF TOPSOIL IS NOT AVAILABLE ON SITE, IT SHALL BE IMPORTED FROM LOCAL SOURCES WITH SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT PROJECT SITE. OBTAIN TOPSOIL ONLY FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS IN A DEPTH NOT LESS THAN 4".
- 2.5: INORGANIC SOIL AMENDMENTS:**
 SAND SHALL BE CLEAN, SALT-FREE AND CONTAINING NO EXTRANEOUS MATTER.
- SOIL CONDITIONER SHALL BE AXIS 'REGULAR' CALCINATED DIATOMACEOUS EARTH, MFG. BY EP MINERALS, LLC, APPLIED AT 10% BY VOLUME. CONTACT AMS, INC., 866-546-3722 FOR LOCAL DISTRIBUTOR. SOIL CONDITIONER SHALL CONTAIN THE FOLLOWING PROPERTIES:
- | | |
|-------------------------|----------------|
| OPALINE SILICA (SiO2) | 90% |
| POROSITY | 82% |
| ABSORPTION (ASTM F-726) | 114% |
| PORE SIZE | 0.1-1.0 MICRON |
| pH | 7 |
| CEC | 27 |
- 2.6: ORGANIC SOIL AMENDMENTS:**
 PEAT HUMUS SHALL BE DECOMPOSED PEAT WITH NO IDENTIFIABLE FIBERS OR IF AVAILABLE, MUCK MAY BE SUBSTITUTED AND SHALL BE FREE FROM STONES, EXCESSIVE PLANT ROOTS, DEBRIS OR OTHER FOREIGN MATTER. MUCK SHALL NOT BE OVERLY SATURATED WITH WATER.
- 2.7: FERTILIZATION:**
 PROVIDE FERTILIZER UNIFORM IN COMPOSITION, DRY, AND IN A FREE FLOWING CONDITION FOR APPLICATION BY SUITABLE EQUIPMENT, AND DELIVER IN UNOPENED BAGS OR CONTAINERS, EACH FULLY LABELED.
- FERTILIZE TREES, SHRUBS AND GROUND COVERS WITH "MILORGANITE" OR AN APPROVED COMPLETE FERTILIZER. APPLY "MILORGANITE" IN A CIRCLE AROUND THE PLANT BEFORE MULCHING. DO NOT TOUCH THE PLANT WITH THE FERTILIZER. WATER IN FERTILIZER AFTER MULCHING. APPLY MILORGANITE" FERTILIZER AT THE FOLLOWING RATE:
- | |
|--|
| 5.00 LBS. OR 14.5 CUPS / PALMS |
| 3.00 LBS. OR 8.70 CUPS / 12-16" MATERIAL |
| 2.00 LBS. OR 5.80 CUPS / 8-12" MATERIAL |
| 0.69 LBS OR 2.00 CUPS / 6-8" MATERIAL |
| 0.19 LBS OR 1/2 CUP / 3 GAL. MATERIAL |
| 0.10 LBS. OR 1/4 CUP / 1 GAL. MATERIAL |

- 2.8: MULCHES:**
 MULCH TO BE APPLIED TO ALL PLANTING BEDS, 3" THICK MIN. FINE STRAW MULCH SHALL BE APPLIED ONLY TO THOSE AREAS AS INDICATED ON THE PLAN. APPLY 6" FLUFFED, 2-3" THICK AFTER COMPACTION.
- 2.10: PLANTING SOIL MIX:**
 BACKFILL MIXTURE: 1/2 PARENT SOIL, 1/2 MIXTURE (1/3 SAND, 1/3 TOPSOIL, 1/3 PEAT HUMUS).
- 3.1: PLANTING BED ESTABLISHMENT:**
 PREPARATION: PRIOR TO THE INSTALLATION OF PLANTS, THE SITE SHALL BE FREE OF WEEDS, GRASS, SOD, DEBRIS, ROCKS OR OTHER MATERIAL MAKING THE SITE UNPLANTABLE. FOR FINAL ACCEPTANCE ALL PLANTED AREAS SHALL BE WEED FREE.
- FINISH GRADING: THE LANDSCAPE CONTRACTOR SHALL COORDINATE THE INSTALLATION AND GRADING OF TOPSOIL, IF NECESSARY, WITH THE GENERAL CONTRACTOR, TO INSURE THE SITE IS AT FINISH GRADE PRIOR TO INSTALLING PLANTS.

- 3.2: PLANTING TREES:**
 LAY OUT PLANTS ACCORDING TO LANDSCAPE PLANS. IF A CONFLICT ARISES AS TO THE LOCATION, SPACING OR OTHER CONFLICT, CONTACT THE LANDSCAPE ARCHITECT IMMEDIATELY.
- EXCAVATE PIT TO TWO AND ONE-HALF (2 1/2) TIMES THE DIAMETER OF TREE BALL AND NOT LESS THAN 6" DEEPER. COMPACT A LAYER OF BACKFILL MIXTURE IN PIT TO LOCATE COLLAR OF PLANT PROPERLY IN A SLIGHTLY DISHED FINISH GRADE. BACKFILL AROUND BALL WITH BACKFILL MIXTURE, COMPACTED TO ELIMINATE VOIDS AND AIR POCKETS. WATERING THOROUGHLY AS LAYERS ARE PLACED. BUILD 3" HIGH BERM OF SOIL BEYOND EDGE OF EXCAVATION. APPLY FERTILIZER AS SPECIFIED AND THEN MULCH WITH THE TYPE AND THICKNESS SPECIFIED ON PLANT LIST.
- GUY AND STAKE TREES, LESS THAN 3.5" IN CALIPER, IN FOUR DIRECTIONS WITH "ARBORBRACE" NYLON TREE GUYING KIT WITH HARDENED NYLON ANCHOR AND 3/4" 800 LB. POLYPROP UV WEBBING, MODEL (ATG-R) OR APPROVED EQUAL. STAKE TREES IMMEDIATELY AFTER PLANTING. FOR MULTI-TRUNK PLANT MATERIAL, ATTACH GUYS TO FOUR (4) LARGEST LIMBS, CARE MUST BE TAKEN NOT TO MAKE GUYS TOO TIGHT. FOR TREES 3.5" IN CALIPER AND OVER, TREES MUST BE STAKED WITH WOOD 2X4 METHOD. FOLLOW PALM STAKING DETAIL FOR REQUIREMENTS. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ELIMINATE GUYING OR STAKING. THE OWNER SHALL RECEIVE A CREDIT OR DEBIT FOR THE UNIT PRICE OF THE GUYING OR STAKING. THE LANDSCAPE CONTRACTOR SHALL REMOVE BRACING IN ONE YEAR.
- 3.2: PLANTING SHRUBS:**
 EXCAVATE PITS OR TRENCH TWO (2) TIMES DIAMETER OF BALLS OR CONTAINERS, AND 3" DEEPER THAN REQUIRED FOR POSITIONING AT PROPER HEIGHT. COMPACT A LAYER OF BACKFILL MIXTURE IN BOTTOM BEFORE PLACING PLANTS. CONTAINER GROWN MATERIALS SHALL BE PLANTED WITH 48 HOURS AFTER DELIVERY TO SITE. PLACE PLANT IN PIT AND BACKFILL AROUND PLANTS WITH BACKFILL MIXTURE, COMPACTED TO ELIMINATE VOIDS AND AIR POCKETS. WATER THOROUGHLY AS LAYERS ARE PLACED. FORM A 3" HIGH BERM OF SOIL BEYOND THE EDGES OF EXCAVATION. APPLY FERTILIZER AS SPECIFIED AND THEN MULCH WITH THE TYPE AND THICKNESS SPECIFIED ON PLANT LIST.
- 3.4: PLANTING GROUNDCOVERS:**
 LOOSEN SUBGRADE TO DEPTH OF 4" IN AREAS WHERE TOPSOIL HAS BEEN STRIPPED, AND SPREAD BACKFILL MIXTURE.
- SPACE PLANTS AS OTHERWISE INDICATED. DIG HOLES LARGE ENOUGH TO ALLOW FOR SPREADING OF ROOTS. COMPACT BACKFILL TO ELIMINATE VOIDS, AND LEAVE GRADE SLIGHTLY DISHED AT EACH PLANT. WATER THOROUGHLY. APPLY FERTILIZER AS SPECIFIED AND THEN MULCH WITH THE TYPE AND THICKNESS SPECIFIED ON PLANT LIST. LIFTING PLANT FOLIAGE ABOVE MULCH. MULCH SHALL BE SPREAD BEFORE PLANTING PLANTS IN POTS LESS THAN 1 GALLON SIZE (4" LINERS, ETC.).

Specifications - Lawns and Grasses

- 2.1: PRODUCTS:**
 SOD SHALL MEET AMERICAN SOD PRODUCES ASSOCIATION STANDARDS FOR NURSERY GROWN SOD FOR THICKNESS OF CUT, PAD SIZE, STRENGTH OF SECTIONS, MOISTURE CONTENT AND THATCH. SOD SHALL BE GUARANTEED TO BE UNIFORM IN COLOR, LEAF TEXTURE, AND SHOOT DENSITY AND FREE OF WEEDS, DISEASE, FUNGUS, INSECTS OR OTHER IMPERFECTIONS AND SUFFICIENTLY KNITTED TO SUSTAIN GROWTH. SOD SHALL BE MOWED FOR FINAL ACCEPTANCE.
- 2.3: FERTILIZER:**
 FERTILIZE TURF AREAS WITH TYPE 1 FERTILIZER, COMPLYING WITH THE STATE FERTILIZER LAWS. THE FERTILIZER SHALL BE CHEMICALLY DESIGNATED WITH 12-8-8. PROVIDE AT LEAST 50% OF THE PHOSPHORIC ACID FROM NORMAL SUPER PHOSPHATE OR AN EQUIVALENT SOURCE PROVIDING A MINIMUM OF TWO UNITS OF SULFUR. THE AMOUNTS OF SULFUR AND ALL OTHER CHEMICAL SHALL BE INDICATED ON THE QUANTITATIVE ANALYSIS CARD ATTACHED TO THE UNOPENED BAG.
- 3.1: LAWN PREPARATION:**
 LOOSEN SUBGRADE TO DEPTH OF 4" AND GRADE WITH TOPSOIL PROVIDED ON SITE OR IMPORTED TO FINISH DESIGN ELEVATIONS. ROLL PREPARED LAWN SURFACE. WATER THOROUGHLY, BUT DO NOT CREATE MUDDY SOIL CONDITION.
- FERTILIZE SOIL AT THE RATE OF APPROXIMATELY 10 LBS. PER 1000 S.F. SPREAD FERTILIZER OVER THE AREA TO RECEIVE GRASS BY USING AN APPROVED DISTRIBUTION DEVICE CALIBRATED TO DISTRIBUTE THE APPROPRIATE QUANTITY. DO NOT FERTILIZE WHEN WIND VELOCITY EXCEEDS 15 M.P.H. THOROUGHLY MIX FERTILIZER INTO THE TOP 2" OF TOPSOIL.
- 3.2: SODDING:**
 SOD TYPE SPECIFIED ON PLANT LIST SHALL BE MACHINE STRIPPED NOT MORE THAN 24 HOURS PRIOR TO LAYING.
- LAY SOD STRIPS WITH TIGHT JOINTS, DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. WORK SIFTED SOIL MIX INTO MINOR CRACKS BETWEEN PIECES OF SOD AND REMOVE EXCESS SOIL DEPOSITS FROM SODDED AREAS. SOD ON SLOPES GREATER THAN 3:1 SHALL BE STAKED IN PLACE. ROLL OR TAMP LIGHTLY AND WATER THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING.

Landscape Certificatoin

LANDSCAPE CERTIFICATION: THE LANDSCAPE ARCHITECT SHALL PROVIDE FINAL CERTIFICATION TO THE OWNER AND MUNICIPALITY THAT PLANTS ARE INSTALLED PER THE DESIGN PLAN, DETAILS AND SPECIFICATIONS. ANY CHANGES TO THE PLAN WILL NEED TO HAVE THE LANDSCAPE ARCHITECT APPROVAL PRIOR TO INSTALLATION. CONFORMITY TO FLORIDA GRADE #1 IN THE ROOT BALL REQUIRES THE LANDSCAPE ARCHITECT TO INSPECT TREES PRIOR TO INSTALLATION AT THE SITE. IT IS THE RESPONSIBILITY OF THE OWNER/GENERAL CONTRACTOR/LANDSCAPE CONTRACTOR FOR ORGANIZING INSPECTIONS OF PLANT MATERIAL PRIOR TO INSTALLATION.

General Notes:

- SOD:** TO BE ST. AUGUSTINE
- ALL PLANTING AREAS SHALL RECEIVE 100% COVERAGE FROM A FULLY AUTOMATIC IRRIGATION SYSTEM EQUIPPED WITH A RAIN SENSOR.
- ALL CONSTRUCTION DEBRIS & HARDPAN TO BE REMOVED FROM PLANTING BEDS TO A DEPTH OF 30"
- UTILITES:**
 ABOVE AND BELOW GROUND UTILITIES SHALL BE VERIFIED AND LOCATED BY THE LANDSCAPE CONTRACTOR PRIOR TO COMMENCING WORK IN THE PROJECT AREA. IF UTILITY PLANS ARE AVAILABLE, THE CONTRACTOR SHALL EXAMINE THEM AND BRING ANY AND ALL CONFLICTS TO THE ATTENTION OF THE OWNER AND/OR LANDSCAPE ARCHITECT. WHEN WORKING IN AN AREA WHERE KNOWN UTILITIES EXIST, UTILITY LOCATIONS MAY NEED TO BE STAKED BY A SURVEYOR OR THE UTILITY COMPANIES. THE CONTRACTOR HAS THE OPTION TO CONTACT 811 TO SCHEDULE LOCATION OF THE UTILITIES WHICH SUBSCRIBE TO THEIR SERVICE.

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Landscape Specification Sheet

613 N. Halifax
 Daytona Beach, Florida

Designed: MTH/KMS
 Drawn: KMS
 Approved: GGG/EOM/MTH
 Date: 6.7.08
 Job no. 12-1001
 Revisions: 4.9.12
 9.9.12
 11.15.12

Seal

LC 000111
 Sheet Title:

Landscape Specification Sheet

Not to Scale

Sheet No.

811

Know what's below.
 Call before you dig.

LP-2
 12-1001