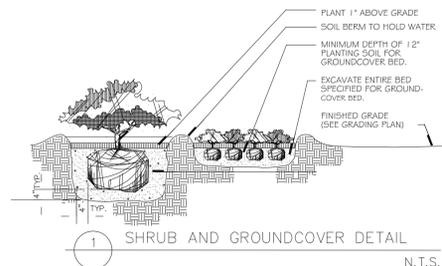


PLANT SCHEDULE

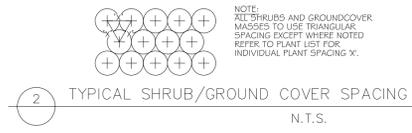
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CALIPER	SIZE	REMARKS	
	AF	2	Acer rubrum 'Autumn Flame'	Autumn Flame Maple	.	3" Cal.	12' ht. x 6' spd.	5' clear trunk	
	CM	1	Caryota mitis	Fishtail Palm	30 gal		10'-12' ht. x 4' spd.		
	CMS	1	Caryota mitis	Fishtail Palm	15 gal		5'-6' ht. x 2'-3' spd.		
	DR	1	Delonix regia	Royal Poinciana	.	2.5" Cal.	12-14' ht. x 6-7' spd.		
	LM	6	Lagerstroemia indica 'Muskogee'	Lavendar Crape Myrtle	.	multi-trunk	11'-12' ht. x 5' spd	5' clear trunk, limb up to 7' over sidewalk.	
	LT	3	Lagerstroemia indica 'Tuscarora'	Red Crape Myrtle	.	Multi-trunk	11'-12' ht. x 5' spd	multi-trunk, 5' clear trunk, limb up to 7' over sidewalk	
	PE	5	Pinus elliotti	Slash Pine	.	3" Cal.	12' ht. x 5' spd.		
	QC	4	Quercus virginiana 'Cathedral'	Cathedral Live Oak	.	3" Cal.	14' ht. x 5' spd.	5' clear trunk	
	SP	4	Sabal palmetto	Sabal Palm	B & B			Boots only on upper 1/3 of trunk, 12', 16' and 22' clear trunks. Stagger heights.	
	TD	4	Taxodium distichum 'Autumn Gold'	Autumn Gold Bald Cypress	45 gal	2.5" Cal.	10'-12' ht.		
	UP	5	Ulmus parvifolia "Allee"	Allee Elm	.	3" Cal	14' ht. x 5' spd.	5' clear trunk	
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	NATIVE	REMARKS	
	JE	3	Juniperus virginiana	Eastern Red Cedar	15 Gal.		6' ht.	full to ground	
	PM	43	Podocarpus macrophyllus "Maki"	Maki Podocarpus	3 gal			30" ht. x 18' spd., full to ground, stake in place if needed.	
	VS	70	Viburnum suspensum	Sandankwa Viburnum	3 gal			24" H/S, full	
	YA	3	Yucca aloifolia	Spanish Bayonet	.			Minimum of 3 trunks, staggered heights desired, up to 5-6'. well rooted, specimen	
	ZF	30	Zamia floridana	Coontie Palm	3 gal			12-18"H/S, full, male and female mix	
SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	NATIVE	SPACING	REMARKS
	EH	45	Equisetum hyemale	Horsetail Reed Grass	1 gal	14"-16" Hgt.		18" o.c.	
	HC	64	Hamelia patens 'Compacta'	Dwarf Scarlet Bush	3 gal			36" o.c.	16-20" OA
	PC	44	Plumbago capensis 'Midnight Blue'	Cape Plumbago	3 gal			36" o.c.	10-12" OA
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	NATIVE	SPACING	REMARKS
	STO	192 sf	Stone -		stone				1 1/2" river jacks, 2" depth over weed control fabric
	TA	75	Trachelospermum asiaticum 'Tricolor'	Variegated Minima Jasmine	1 gal			30" o.c.	6" ht. x 18" long, 5 runners minimum.

GENERAL NOTES:

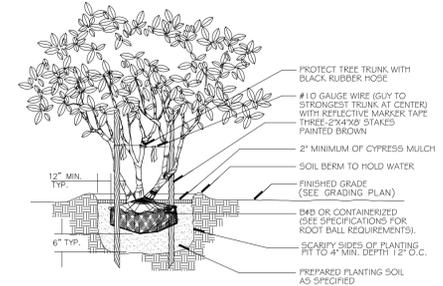
- ALL PLANT MATERIAL SHALL BE GRADE FLORIDA NO. 1 OR BETTER AS DESCRIBED IN THE MOST CURRENT ISSUE OF "FLORIDA GRADES AND STANDARDS FOR NURSERY PLANT MATERIALS", PREPARED BY THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
- LANDSCAPE CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR AND MATERIALS TO COMPLETE THE WORK AS SHOWN ON DRAWINGS.
- IN THE EVENT OF DISCREPANCY BETWEEN THE PLANT LIST AND ACTUAL NUMBER OF PLANTS SHOWN ON THE PLAN, LANDSCAPE CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR AND MATERIALS TO COMPLETE THE WORK AS SHOWN ON DRAWINGS.
- ALL LANDSCAPE SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES. PLANTS GROWN IN CONTAINERS PRIOR TO INSTALLATION SHALL BE REMOVED FROM THEIR CONTAINERS BEFORE THEY ARE PLANTED IN THE GROUND.
- ENSURE THAT ALL PLANTING AND SODDED AREAS ARE FREE OF LIME ROCK, PEBBLES, OTHER CONSTRUCTION DEBRIS, ETC. THAT IS DETRIMENTAL TO HEALTHY PLANT GROWTH IS REMOVED PRIOR TO ANY INSTALLATION. REMAINING SOIL MUST BE FERTILE AND WELL DRAINED. NO FINES OR CLAYS SHALL BE PERMITTED.
- TOP SOIL SPECIFICATIONS: FOR ALL PLANTINGS SHALL BE FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL REASONABLY FREE OF SUBSOIL, CLAY LUMPS, HARD CLODS, HARDPAN, GRAVEL, BRUSH, WEEDS, LITTER AND FREE OF ROOTS, STONE OR OTHER OBJECTS LARGER THAN 1 INCH IN ANY DIMENSION OR OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. TOPSOIL SHALL BE AT LEAST 15% ORGANIC MATTER WITH A RANGE OF PH 5.8 TO 6.5 INCLUSIVE. TREE AND SABAL PALM PLANTING SOILS SHALL BE 50% EXISTING SOIL, IF NOT DETRIMENTAL TO HEALTHY PLANT GROWTH, 25% CLEAN BUILDERS SAND AND 25% TOPSOIL.
- ALL AREAS TO RECEIVE NEW PLANTINGS SHALL BE TREATED WITH TWO APPLICATIONS OF ROUND UP OR EQUIVALENT PRIOR TO INSTALLATION. CONTRACTOR SHALL SUBMIT PRODUCT LABEL FOR REVIEW AND APPROVAL BY OWNER PRIOR TO APPLICATION. TREAT PER MANUFACTURERS RECOMMENDATIONS.
- CONTRACTOR SHALL VERIFY THAT AREAS HAVE PROPER PERCOLATE PRIOR TO INSTALLING PLANTS. PROPER EXCAVATION SHALL MEAN WATER PERCOLATION OF A MINIMUM OF 2" PER HOUR.
FOR AREAS NOT PERCOLATING, EXCAVATED AREA WITH LAYERS AS FOLLOWS. THOROUGHLY MIX EACH SOIL LAYERS. COMPACT TO 90% DENSITY IN LAYERS OF 12" DEPTH.
BOTTOM 12" SHALL BE MIX OF 1/3 TOPSOIL AND 2/3 CLEAN BUILDERS SAND.
UPPER 24" SHALL BE MIX OF 1/3 EXISTING SOIL IF NOT DETRIMENTAL TO HEALTHY PLANT GROWTH, 1/3 TOPSOIL AND 2/3 CLEAN BUILDERS SAND.
- PRIOR TO INSTALLATION OF SHRUB, GROUND COVER AND MULCH BEDS, LAY COMMERCIAL GRADE WEED CONTROL FABRIC. SUBMIT SAMPLE TO OWNER OR OWNER REPRESENTATIVE FOR APPROVAL. INSTALL FABRIC PER MANUFACTURERS RECOMMENDATIONS. AFTER FABRIC IS INSTALLED, PLANTS AND MULCH MAY BE ADDED.
- GROUND COVERS TO BE PLANTED IN STRAIGHT ROWS WITH ALTERNATING SPACES BETWEEN ROWS.
- SOD SHALL BE PASPALUM NOTATUM (BAHIA). PLACED WITHIN WITHIN SITE WITHIN SOD LIMITS SHOWN N THE LANDSCAPE PLAN. DO NOT DISTURB NATURAL AREA TO REMAIN ON THE EAST SIDE OF THE SITE OR LOCATIONS OF BUILDINGS, PAVING, CURBING, SIDEWALKS, PLANTING BEDS OR BELOW THE NORMAL HIGH WATER LINE OF THE RETENTION PONDS. SOD SHALL BE STRONGLY ROOTED, AND FREE OF WEEDS AND NOXIOUS PESTS OR DISEASES. SOD SHALL BE INSTALLED ON SITE WITHIN 48 HOURS AFTER CUTTING.
- SEED SHALL BE 50% MIX OF BAHIA AND QUICK GROWING SEED VARIETY (RYE IN WINTER OR MULLET IN SUMMER) WITH MULCH SLURRY, APPLY PER ACCEPTED NURSERY METHODS. PREPARE SOD PRIOR TO SEEDING. INSTALL TO ENSURE GERMINATION. PROVIDE WATER COVERAGE AS NEEDED.
- SHRUB BEDS SHALL BE PREPARED BY LOOSENING PLANTED AREA TO A DEPTH OF 8". APPLY PEAT MOSS OR ACID GRO AT A RATE OF 3" THICK OVER ENTIRE AREA. WORK SOIL AMENDMENT INTO THE UPPER 9" OF BED.
- TREES AND PALMS SHALL BE INSTALLED SO THEIR TOP MAIN ROOT AT THE TRUNK IS VISIBLE AND 2" ABOVE FINISHED GRADE. ROOT BALLS SHALL BE FREE OF CIRCLING ROOTS. DO NOT APPLY THE MULCH TO THE TOP OF THE ROOTBALL OF TREES OR PALMS.
- CONTRACTOR TO STAKE TREE AND PALM LOCATIONS PRIOR TO INSTALLATION. CONTRACTOR SHALL AVOID PLANTING TREES AND PALMS THAT CONFLICT WITH FINAL LOCATION OF SITE UTILITIES, LIGHTING, ETC. IF CONFLICTS EXISTING, SHIFT LANDSCAPE TO AVOID CONFLICTS AS NECESSARY.
- SHRUB AND GROUND COVER AREAS SHALL HAVE COMMERCIAL GRADE WEED CONTROL FABRIC INSTALLED PRIOR TO MULCH APPLICATION. ANCHOR FABRIC AS DIRECTED BY MANUFACTURER. SAMPLE TO BE PROVIDED FOR REVIEW AND APPROVAL PRIOR INSTALLATION.
- MULCH TO BE SHREDDED HARDWOOD. CYPRESS MULCH SHALL NOT BE PERMITTED. PROVIDE 2" DEPTH OF MULCH FOR ALL PLANT MATERIAL. PROVIDE 4" DIAMETER MULCH RINGS AT FREE STANDING TREES AND PALMS EXTENDING PAST THE ROOT BALL AND NOT OVER THE ROOT BALL.
- METAL BED EDGING SHALL BE COMMERCIAL GRADE 6" DEEP ALUMINUM. INSTALL PER MANUFACTURERS RECOMMENDATIONS. PROVIDE SAMPLE FOR OWNER REVIEW AND APPROVAL.
- ALL PLANTING MATERIAL SHALL RECEIVE A SLOW RELEASE FERTILIZER IN QUANTITIES AS DIRECTED BY THE MANUFACTURERS.
- CONTRACTOR TO PREPARE SOD AREAS BY CONDUCTING FINE GRADING AND REMOVAL OF ANY LARGE CLODS, ROOTS, CONSTRUCTION DEBRIS AND ANY OTHER MATERIAL DETRIMENTAL TO HEALTHY PLANT GROWTH. SODDED AREAS SHALL BE LOOSEND AND RAKED SMOOTH. AREAS NEXT TO PLANT BEDS, SIDEWALKS AND CURBS SHALL BE GRADED DOWN TO 2" BELOW FINAL GRADE TO ALLOW FOR THICKNESS OF GRASS PADS AND MULCH APPLICATION. SPREAD FERTILIZER UNIFORMLY OVER AREA TO BE SODDED AT A RATE OF 275 POUNDS PER ACRE OR 6.25 POUNDS PER 1,000 SQUARE FEET. AFTER FERTILIZER SPREADING, MIX WITH SOIL TO A DEPTH OF APPROXIMATELY FOUR (4") INCHES.
SOD SHALL BE PLACED WITH TIGHT FITTING JOINTS FLUSH BETWEEN BLOCKS WITH NO OVERLAY. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. REMOVE EXCESS SOD OR DIRT TO AVOID SMOOTHERING OF ADJACENT GRASS. ON SLOPES GREATER THAN 4:1, PLACE LONG DIMENSIONS OF THE SOD PERPENDICULAR TO THE SLOPE. FOR SLOPE 3:1 OR GREATER, DRIVE WOODEN PEGS THROUGH THE SOD BLOCKS INTO FIRM EARTH AT THREE (3) PEGS PER SQUARE YARD OF SOD. SODDING IN DRAINAGE DITCHES SHALL BE STAGGERED TO AVOID CONTINUOUS SEAM ALONG LINE OF FLOW. ALONG EDGE OF STAGGERED AREA, THE OFFSETS OF INDIVIDUAL STRIPS SHALL NOT EXCEED FIVE (5) INCHES. TO PREVENT EROSION CAUSED BY VERTICAL EDGES AT THE OUTER LIMITS, THE OTHER PIECES OF SOD SHALL BE TAMPED SO AS TO PRODUCE A FEATHER-EDGE EFFECT. SOD EDGE ALONG PAVING, SHRUBS, ETC., SHALL BE BROUGHT TO A NEAT, CLEAN EDGE. SOD OPERATIONS SHALL NOT BE PERFORMED WHEN WEATHER AND SOIL CONDITIONS ARE UNSUITABLE FOR PROPER RESULTS.
ROLL ALL SOD WITH A ROLLER RECOMMENDED BY SOD PROVIDER TO ENSURE SMOOTH GRADE. TOP DRESSING WITH CLEAN BUILDER SAND MAY BE REQUIRED AT NO ADDITIONAL COST TO THE OWNER TO FILL GAPS. NO GAPS SHALL BE GREATER THAN 1/4". WATER THOROUGHLY AND RE-ROLLED.
- WATERING OF SOD SHALL BE SUFFICIENT FOR OPTIMUM MOISTURE TO FULL DEPTH OF THE ROOTING ZONE FOR AT LEAST TWO WEEKS. THEREAFTER, THE CONTRACTOR SHALL SET TIMING ON THE CONTROLLER FOR WATER APPLICATION AS NEEDED. CONTRACTOR SHALL MOW SOD WEEKLY UNTIL FINAL ACCEPTABLE OF PROJECT BY OWNER. ANY SOD NOT HEALTHY AND VIGOROUS CONDITION, WITH THE EXCEPTION OF DAMAGE BY OTHERS OR ACTS OF GOD, DURING A WARRANTY PERIOD OF THREE (3) MONTHS FROM FINAL ACCEPTANCE SHALL BE REPLACED AT CONTRACTOR EXPENSE. REPLACEMENT SOD SHALL HAVE A THREE (3) MONTH WARRANTY BEGINNING AT TIMING OF REPLACEMENT.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OCCURRING ON SITE OR ADJACENT AREAS, INCLUDING BUT NOT LIMITED TO BUILDINGS, PAVING, ALL ABOVE AND BELOW GROUND UTILITIES, ETC., WHICH IS CAUSED BY PREPARING OR INSTALLING ANY AND ALL PLANT MATERIALS OR IRRIGATION SYSTEM. ADJUST PLANTING AND IRRIGATION IMPROVEMENT LOCATIONS AS NECESSARY.
- WARRANTY: THREE MONTHS FOR SHRUBS, GROUND COVERS AND IRRIGATION. TWELVE MONTH WARRANTY FOR ALL TREES AND PALMS. WARRANTY STARTS FROM THE TIME OF FINAL ACCEPTANCE BY OWNER. REPLACEMENT OF DEAD OR UNHEALTHY MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITHIN TEN WORKING DAYS OF NOTIFICATION BY OWNER. REPLACEMENT MATERIAL SHALL BE IN CONSISTENT WITH SIZED INDICATED ON THE LANDSCAPE PLANS. THIS MAY BE MODIFIED ONLY SUBJECT TO WRITTEN APPROVAL BY OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPED AREAS UNTIL FINAL ACCEPTANCE. GROUNDS SHALL BE MAINTAINED IN GOOD CONDITION SO AS TO PRESENT A HEALTHY, NEAT AND ORDERLY APPEARANCE, FREE OF REFUSE, DEBRIS AND WEEDS. SOD SHALL BE MOVED TWICE MONTHLY DURING THE MONTHS OF APRIL TO NOVEMBER AND ONCE A MONTH THE REMAINDER OF THE YEAR. MOWING SHALL CONTINUE UNTIL PROJECT FINAL ACCEPTANCE.
- CONTRACTOR SHALL PREPARE AND SUBMIT TO THE OWNER A "PLANT AND IRRIGATION MAINTENANCE PLAN" TO INCLUDE TIMING AND APPLICATIONS FOR: FERTILIZING, OTHER CHEMICAL APPLICATIONS, PRUNING, ETC.
- LANDSCAPE REMAINING WILL BECOME PART OF THE SITE PLAN LANDSCAPING AND WILL BE REQUIRED TO BE MAINTAINED IN PERPETUITY.



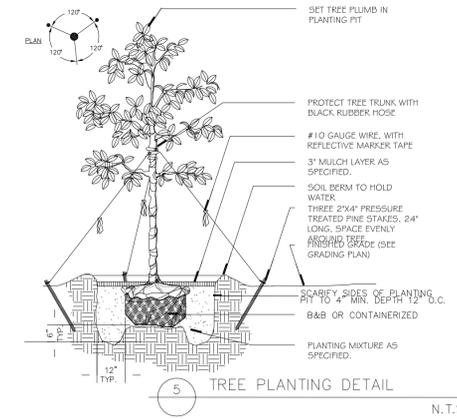
1 SHRUB AND GROUND COVER DETAIL N.T.S.



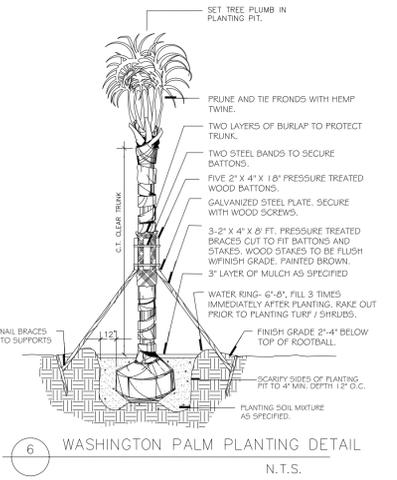
2 TYPICAL SHRUB/GROUND COVER SPACING N.T.S.



3 MULTI-TRUNK TREE PLANTING DETAIL (LESS THAN 14' HT.) N.T.S.



4 TREE PLANTING DETAIL N.T.S.



5 WASHINGTON PALM PLANTING DETAIL N.T.S.

- INSTALLATION NOTES:
- CONTRACTOR TO STAKE ALL TREE AND PALM LOCATIONS FOR REVIEW AND APPROVAL BY THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
 - FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER/LANDSCAPE ARCHITECT.
 - CONTRACTOR SHALL ENSURE PROPER PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION. PROPER PERCOLATION SHALL MEAN 80% WATER DRAINAGE FROM THE SUBSURFACE SOILS WITHIN SIX (6) HOURS.



Civil Engineering Design Studio, Inc.
P.O. Box 520062
Longwood, Florida 32752-0062
Ph: 407-488-9456 Fax: 407-641-9993
CERTIFICATE OF AUTHORIZATION # 28312

COMPUTECH CITY HEADQUARTERS BUILDING

Longwood, Florida



ISSUED:	DATE:
CITY OF LONGWOOD	11/03/16

REV.	DATE	DESCRIPTION
1	12-20-16	Per DRC comments

PLANT SCHEDULE, NOTES & DETAILS

Sheet Title

JOB NO.	2016.023
SCALE:	AS SHOWN
DATE:	11/03/16
DESIGN:	JCR
DRAWN:	JCR
CHECKED:	JCR

PRINT DATE: 01/25/2017 @ 07:44:27 AM REVISED BY: JOAN DWG NAME: C:\USERS\ADMIN\DOCUMENTS\CADADMIN\16023 COMPUTECH (702)\LANDSCAPE PLAN\16023 LANDSCAPE PLANDING