

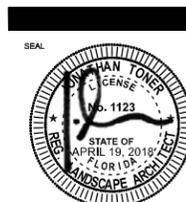
TERRA TECTONICS
design group International, Inc.

LANDSCAPE ARCHITECTS
LAND PLANNERS
URBAN DESIGNERS

1188 Kapp Drive
Clearwater, FL 33765
Fl. Reg. Lic. # 254
727-441-4504 ph.

LANDSCAPE CONSTRUCTION DOCUMENTS
GATEWAY SURGERY CENTER
980 MILWAUKEE AVE
DUNEDIN, FLORIDA

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JONATHAN H. TONER FL 0001123

Date: APRIL 19, 2018
Scale: 1"=0'
Revision:
No. Date Description:
Job No. 18-851

Drawn by: jt Checked by: JT

Sheet
L1
Of 3 Sheets

SURGERY CENTER

DUNEDIN, FLORIDA
FOR: GATEWAY DUNEDIN, LLC
Terra Tectonics design group International, Inc. 727-441-4504

4/19/2018 Project No. 18-851

LANDSCAPE PLANT SCHEDULE

ALL PLANT MATERIALS SHALL BE GRADED AS 'FLORIDA #01' UNDER THE 2015 FLORIDA NURSERY GRADES AND STANDARDS.

Quantity	Symbol	Common Name	Botanical Name	CONTAINER SIZE	ON CENTER SPACING	MINIMUM CALIPER	MINIMUM SPECIFIC SIZE REQUIREMENTS	RECOMMENDED GROWER:
2	UA	Winged Elm	ULMUS alata	25 GALLON		2-1/2"	9' HT X 48" CROWN SPREAD	Marshalls Trees
Total trees planted on-site								
11	CV	Croton-Laurens Rainbow	CODIAEUM variegata 'Laurens Rainbow'	3 GALLON	30"	16"	16" ht x 14" spr. full	
3	RIT	India Hawthorn Standard	RHAPHHEOPLEPSIS indica 'Standard'	15 gallon	SEE PLANS	42"	ht x 36" spread 24" standard	
92	MF	Simpson stopper	MYCIANTHES fragrans	3 GALLON	30"	16"	16" ht x 14" spr. full	
22	ZP	Coolite	ZAMIA pumila	7-GALLON	36"	16"	16" ht x 14" spr. full	
Groundcover / Vines								
100	AG	Perennial peanut	ARACHIS glabrata	1 GALLON	18"	3"	ht x 12" spr. 1 gal. 24" o/c USE MINI-NUGGET MULCH 1" DEEP	
400	DT	Var Dianella	DIANELLA tasmanica	1 GALLON	18"	16"	16" ht x 14" spr. full	
SOD								
	SOD	Bahia	PASPALUM notatum				patch and repair as needed	(CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT QUANTITIES FOR COMPLETE INSTALLATION. ACTUAL AMOUNTS MAY VARY FROM AMOUNTS CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT QUANTITIES FOR COMPLETE INSTALLATION. ACTUAL)
600	SOD	EMPIRE ZOYSIA	ZOYSIA japonica "EMPIRE"					(CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT QUANTITIES FOR COMPLETE INSTALLATION. ACTUAL)
Total Site Irrigation:								
600	SF +/-	Turf Irrigation						(CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT QUANTITIES FOR COMPLETE INSTALLATION. ACTUAL)
1292	SF +/-	Shrub Irrigation						(CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT QUANTITIES FOR COMPLETE INSTALLATION. ACTUAL)
250	LF +/-	Loop Main						(CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT QUANTITIES FOR COMPLETE INSTALLATION. ACTUAL)
EA 1" EXISTING WATER METER - use for irrigation - contractor to include backflow device and shut off valve								
Miscellaneous Plant Materials And Site Work:								
20	CY	Pine Bark Mulch						(CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT QUANTITIES FOR COMPLETE INSTALLATION. ACTUAL)
1	Bag	Pre-Emergent Herbicide		20 lbs			for plant beds	EA
1	Bag	Fertilizer: 6-6-6					for sod - do not fertilize in the first 30 days after installation	50 lb. bag
1	Bag	Fertilizer: 16-4-8						50 lb. bag

GREENSPACE CALCULATIONS:

TOTAL SITE AREA:	SF	ACRES	%
TOTAL AMOUNT OF OPEN SPACE:	22215.6	0.51	
PERCENTAGE OF SITE LANDSCAPED:			13.05%
PERCENTAGE OF PARKING AREA LANDSCAPED			
	PARKING AREA:	9500	
	LANDSCAPED AREA OF PARKING:	2200	23.16%
WIDTH OF PERMITER LANDSCAPE BUFFERS:			
NORTH:	5'		
EAST:	.21'		
SOUTH:	50'		
WEST:	2.27'		

TREE PROTECTION NOTES

THE PROTECTION OF EXISTING TREES ON THE CONSTRUCTION SITE IS NECESSARY:
- TO PROTECT ALL THE ABOVE GROUND PORTIONS OF THE TREE FROM MECHANICAL DAMAGE
- TO PROTECT SOIL NEAR TREE FROM COMPACTION AND PREVENT ROOT DAMAGE

WHAT TO PROTECT
PROTECTIVE BARRIERS AND OTHER MEASURES TO PREVENT DAMAGE TO EXISTING TREES ARE REQUIRED BY TREES ARE 4" DBH (TRUNK DIAMETER MEASURED AT 4 FEET FROM THE GROUND) OR GREATER.
TREES 4" DBH AND GREATER THAT ARE LOCATED WITHIN 12' OF THE LOT UNDER CONSTRUCTION SHALL ALSO BE PROTECTED BY A BARRICADE.

WHEN TO PROTECT
ALL PROTECTIVE BARRIERS SHALL BE IN PLACE AND INSPECTED PRIOR TO ANY SITE CLEARING OR DEMOLITION AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETED AND HEAVY EQUIPMENT IS OUT OF AREA.

NO STORAGE, FILL
NO EXCESS SOIL OR ADDITIONAL FILL, BUILDING MATERIALS, DEBRIS, OR LITTER SHALL BE PLACED WITHIN PROTECTIVE BARRIERS.

NO ATTACHMENTS
BOLTS, BUILDING PERMITS, WIRES (OTHER THAN PROTECTIVE GUY WIRES), OR OTHER ATTACHMENTS OF ANY KIND SHALL NOT BE ATTACHED TO ANY TREES OR SHRUBS WITHIN PROTECTIVE BARRIERS.

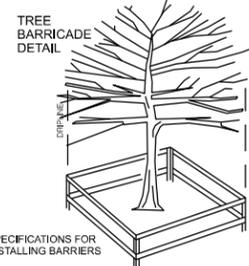
DEMOLITION/EXCAVATION
ANY DEMOLITION OR EXCAVATION WITHIN THE PROTECTIVE BARRIERS SHALL BE ACCOMPANIED BY HAND OPERATED EQUIPMENT.

ONCE ALL MATERIAL HAS BEEN SUCCESSFULLY PLOUGHED BY HAND, HEAVY EQUIPMENT WILL BE ALLOWED ONE ENTRY INTO THE BARRIERS IN ORDER TO PUSH DEMOLITION MATERIALS BEYOND THE BARRIERS. AFTER WHICH THE BARRIERS MUST BE REINSTALLED. UNDER NO CIRCUMSTANCES SHALL TRACTORS OR HEAVY MACHINERY BE ALLOWED TO WORK, PANK, OR LOCATE WITHIN BARRIER AREAS.

UNDERGROUND UTILITIES
ALL UNDERGROUND UTILITIES SHALL BE ROUTED OUTSIDE THE PROTECTIVE BARRIERS. IF THIS IS NOT FEASIBLE, POSSIBLE ALTERNATIVES INCLUDE PUMPING CONCRETE FROM A TRUCK THROUGH CONVEYOR PIPES RATHER THAN DRIVING OVER ROOTS, OR BRIDGING ROOTS WITH STEEL PLATES, OR PROTECTING ROOT AREAS WITH A THICK LAYER OF MULCH FROM COMPACTION. ANY PROPOSED ALTERNATIVES MUST BE DESIGNED BY A TRAINED ARBORIST AND APPROVED BY THE DDC (DEVELOPMENT COORDINATION OFFICIAL) PRIOR TO ISSUANCE OF A PERMIT.

INSTALLATION OF FENCES, POSTS, WALLS
INSTALLATION OF STRUCTURES SUCH AS PROTECTIVE BARRIERS, FENCES, POSTS, OR WALLS SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. FOOTERS FOR WALLS SHALL END AT THE POINT WHERE LARGER ROOTS ARE INTERFERED, AND THE ROOTS SHALL BE BRIDGED, POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS. DESTRUCTION OR DISREGARD OF PROTECTIVE BARRIERS MAY REQUIRE THE FULL REPLACEMENT OF THE PROTECTED TREE.

TEMPORARY REMOVAL OF BARRIERS
PROTECTIVE BARRIERS MAY BE TEMPORARILY REMOVED ONLY IF APPROVED ACCES INTO THE SITE IS OBSTRUCTED. REMOVAL OF BARRIERS MUST BE APPROVED AND INSPECTED BY THE CITY ARBORIST BEFORE CARRIED OUT. SHOULD REMOVAL OF THE BARRIERS RESULT IN STRESS OR DAMAGE OF THE TREE, AS DETERMINED BY THE CITY ARBORIST, REMOVAL OR REPLACEMENT OF THE TREE MAY BE REQUIRED.



SPECIFICATIONS FOR INSTALLING BARRIERS
LOCATION: PROTECTIVE BARRIERS SHALL EXTEND AT LEAST ONE (1) FOOT BEYOND THE DRY LINE OF ALL PROTECTED TREES ON THE PROPERTY AND SHALL BE AT LEAST THREE (3) FEET HIGH. ALTERNATIVE PROTECTIVE METHODS MAY BE UTILIZED WHEN EXTENDING BARRIERS BEYOND THE DRAIN LINE IS NOT FEASIBLE. POSSIBLE ALTERNATIVES INCLUDE PUMPING CONCRETE FROM A TRUCK THROUGH CONVEYOR PIPES RATHER THAN DRIVING OVER ROOTS, OR BRIDGING ROOTS WITH STEEL PLATES, OR PROTECTING ROOT AREAS WITH A THICK LAYER OF MULCH FROM COMPACTION. ANY PROPOSED ALTERNATIVES MUST BE DESIGNED BY A TRAINED ARBORIST AND APPROVED BY THE DDC (DEVELOPMENT COORDINATION OFFICIAL) PRIOR TO ISSUANCE OF A PERMIT.

CONSTRUCTION
PROTECTIVE BARRIERS ARE TO BE CONSTRUCTED USING NO LESS THAN 2"x4" LUMBER FOR UPRIGHT POSTS. UPRIGHT POSTS ARE TO BE AT LEAST 4' IN LENGTH WITH A MINIMUM OF ONE FOOT ANCHORED IN GROUND AND THREE FEET ABOVE GROUND. UPRIGHT POSTS ARE TO BE PLACED AT A MAXIMUM DISTANCE OF 6 FEET APART. HORIZONTAL RAILS ARE TO BE CONSTRUCTED USING NO LESS THAN 2"x4" LUMBER AND SHALL BE SECURELY ATTACHED TO THE TOP OF THE UPRIGHT POSTS. A 1"x6" TYPE SAFETY FENCE THE HEIGHT OF THE BARRIER SHALL BE ATTACHED TO THE UPRIGHT POSTS, THE TOP RAIL AND THE GROUND, WITH FASTENERS A MAXIMUM OF EIGHT (8) INCHES APART.

