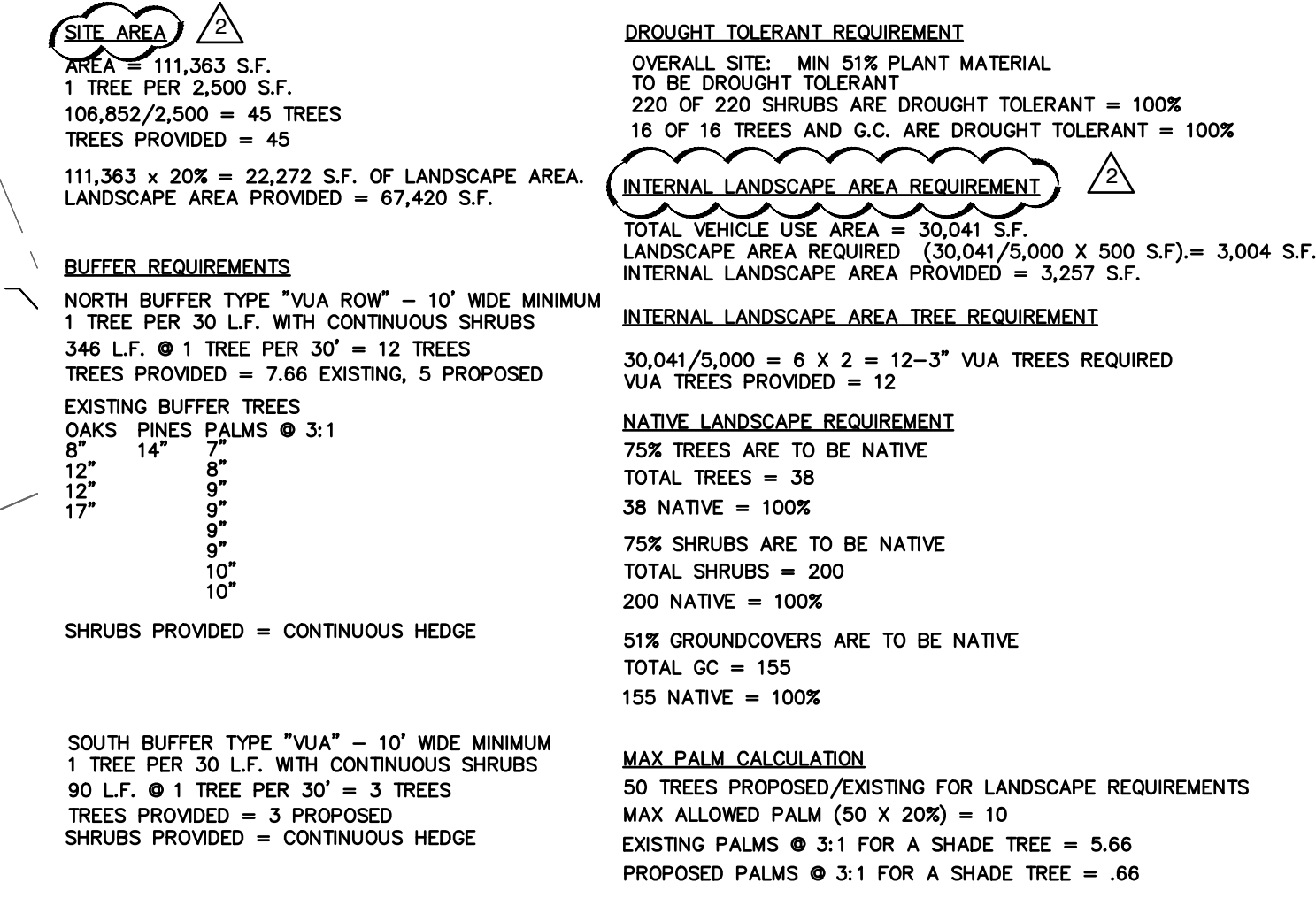


1. The irrigation system should be designed to Standards and Specifications for Turf and Landscape Irrigation Systems, Fourth Edition, 2000, Florida Irrigation Society and as subsequently amended, or other applicable standards that achieve the general irrigation system configuration requirements and associated water conservation benefits identified in this part.
2. Turf areas shall be on separate irrigation zones from other landscape plant zones. The irrigation system should be designed to accommodate separate landscape plant zones based on differing water requirements.
3. Sprinkler spacing shall not exceed 55 percent of the sprinkler's diameter of coverage.
4. Sprays and rotors shall not be combined on the same control valve circuit. Sprays and rotors shall have matching application rates within each irrigation zone.
5. All irrigation systems shall be designed to avoid overspray, runoff, low head drainage or other similar conditions where water flows onto or over adjacent property, non-irrigated areas, walkways, roadway structures or water features. Narrow areas (four feet wide or less) shall not be irrigated unless micro-irrigation is utilized.
6. Irrigation control equipment shall include an automatic irrigation controller having program flexibility such as repeat cycles and multiple program capabilities. Automatic irrigation controller(s), other than mechanical, shall have battery back-up to retain the irrigation program(s). Automatic Control system shall be equipped with an operable rain sensor device.
7. A low volume irrigation system shall be used wherever possible to minimize evaporation.
8. An irrigation system shall use the **HERITAGE RIDGE PLAT C-4** **PB 12/116** **FL 000** to minimize adverse impacts to existing trees and other vegetation to be preserved on the site. No irrigation shall be applied within areas where existing vegetation is preserved.



DIAMETER	NUMBER REMOVED ON SITE	MIN REPLANT TREE CREDITS	TOTAL	HT	CAL. INCHES
4"-6"	0	2	0	8'-10'	2
7"-12"	16	3	48	8'-10'-2	
13"-18"	7	4	28	10'-12	
19"-24"	3	5	15	10'-12	
TOTALS	26		91		
TOTAL CAL' REPLACEMENT (91 X 2") =					182

DIAMETER	NUMBER RETAINED ON SITE	MIN REPLACEMENT TREE CREDITS	TOTAL
2"-6"	0	0	0
7"-12"	3	1	3
13"-18"	2	3	6
TOTALS	5		9
TOTAL CAL CREDIT (9 X 2) =			18

PROTECTED TREES TO BE REMOVED		
NUMBER	DBH	SPECIES
1	8	OAK
2	12	OAK
3	24	OAK
4	19,24-CLUMP	OAK
8	16	OAK
9	14	OAK
10	4,5,12-CLUMP	OAK
11	8	OAK
12	11	OAK
14	11	OAK
15	15	OAK
16	10,14,9-CLUMP	OAK
17	7,2,4,13-CLUMP	OAK
18	7,8,12,10,6 CLUMP	OAK
19	13,11,7-CLUMP	OAK
20	7,7,8,6-CLUMP	OAK
21	10	OAK
22	16	OAK
23	10,11,6,5 CLUMP	OAK

ALL PROTECTED TREES PROPOSED FOR REMOVAL ARE
LOCATED IN THE INTERIOR OF THE SITE

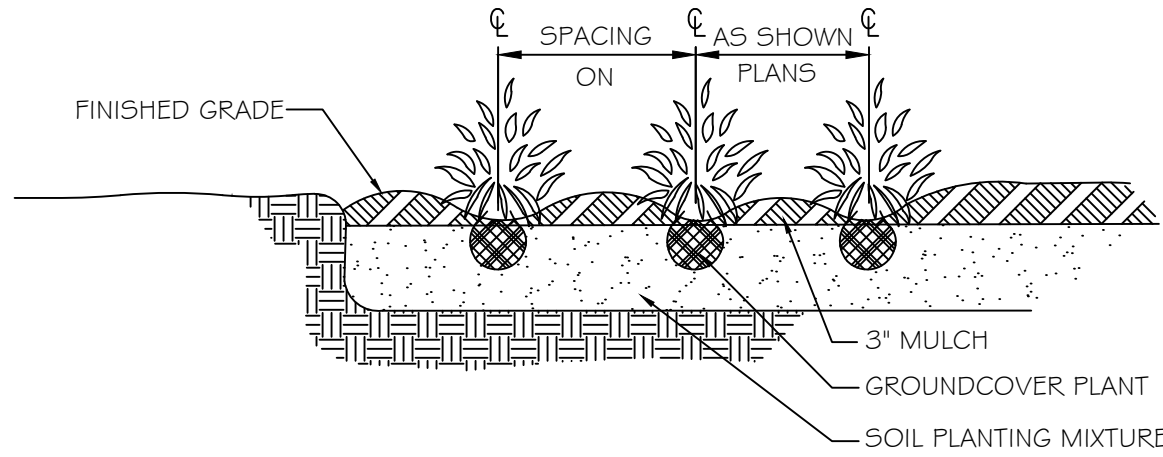
PROTECTED TREES TO REMAIN			
NUMBER/LOCATION	DBH	SPECIES	
5-N BUFFER	8	C	
6-N BUFFER	14	C	
7-N BUFFER	18	C	
13-N BUFFER	12,12-CLUMP	C	

Design Options	Points
Twenty-five percent to 50 percent of the grass areas are made up of drought-tolerant grass species from the list.	5
Fifty-one percent or more of the grass areas are made up of drought-tolerant grass species from the list.	10
Twenty-five percent to 50 percent of the required shrubs are made up of drought-tolerant species from the list.	5
Fifty-one percent or more of the required shrubs are made up of drought-tolerant species from the list.	10
Twenty-five percent to 50 percent of the required trees are made up of drought-tolerant species from the list.	5
Fifty-one percent or more of the required trees are made up of drought-tolerant species from the list.	10
Utilization of compacted mud beds at least three inches deep in all planted areas except ground cover.	10
Utilization of mulch.	5
TOTAL	60

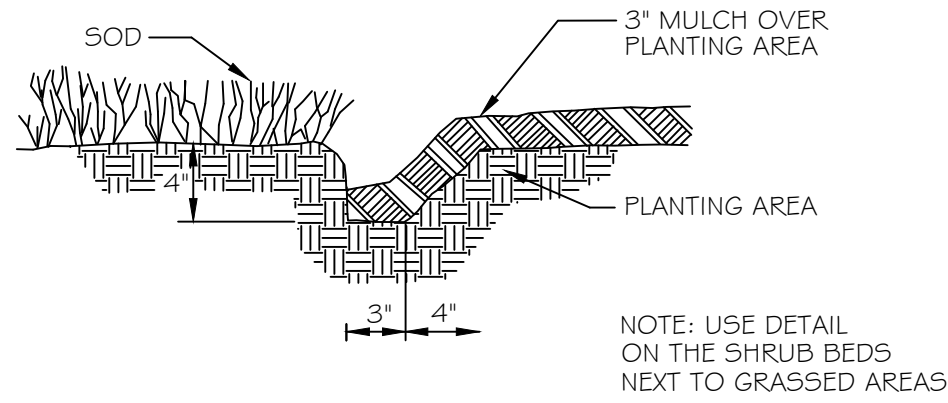
SPECIAL NOTES	
ENROACHMENT INTO REQUIRED BUFFERYARDS AND LANDSCAPE AREAS BY VEHICLES, BOATS, MOBILE HOMES OR TRAILERS SHALL NOT BE PERMITTED, AND REQUIRED LANDSCAPE AREAS SHALL NOT USED FOR THE STORAGE OR SALE OF MATERIALS OR PRODUCTS OR THE PARKING OF VEHICLES OR EQUIPMENT.	
REQUIRED LANDSCAPING SHALL BE MAINTAINED SO TO AT ALL TIMES PRESENT A HEALTHY, NEAT AND ORDERLY APPEARANCE. FREE OF REFUSE AND DEBRIS. IF VEGETATION WHICH IS REQUIRED TO BE PLANTED DIES IT SHALL BE REPLACED WITH EQUIVALENT VEGETATION. ALL TREES FOR WHICH CREDIT WAS AWARDED AND WHICH SUBSEQUENTLY DIE, SHALL BE REPLACED BY THE REQUISITE NUMBER OF LIVING TREES ACCORDING TO THE STANDARDS ESTABLISHED IN THE MARTIN COUNTY LANDSCAPE CODE	
ALL LANDSCAPING SHALL BE MAINTAINED FREE FROM DISEASE, PESTS, WEEDS AND LITTER. MAINTENANCE SHALL INCLUDE WEEDING, WATERING, FERTILIZING, PRUNING, MOVING, REPLACING OR OTHER MAINTENANCE, AS NEEDED IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES. PERPETUAL MAINTENANCE SHALL BE PROVIDED TO PROHIBIT THE REESTABLISHMENT OF HARMFUL, EXOTIC SPECIES WITHIN LANDSCAPING AND PRESERVATION AREAS.	
REGULAR LANDSCAPE MAINTENANCE SHALL BE PROVIDED FOR THE REPAIR OR REPLACEMENT, WHERE NECESSARY, OF ANY SCREENING OR BUFFERING REQUIRED AS SHOWN ON THIS PLAN. REGULAR LANDSCAPE MAINTENANCE SHALL BE PROVIDED FOR THE REPAIR OR REPLACEMENT OF REQUIRED WALLS, FENCES OR STRUCTURES TO A STRUCTURALLY SOUND CONDITION AS SHOWN ON THIS PLAN.	

PLANT LIST						
SYM.	QTY.	BOTANICAL/COMMON NAME		SIZE	FL. NATIVE	TOLERANT
SHADE TREES different species for every 10 trees, palms may be substituted 3:1 for shade trees max 30%						
CD	8	COCCOLOBA DIVERSIFOLIA/PIGEON PLUM		3' CAL. SINGLE TRUNK 12 HT. X 4 SP.D.	Y	Y
PE	9	PINUS ELLIOTTI DENSE/DENSA SLASH PINE		2' CAL. 10 HT. X 4 SP.D.	Y	Y
GV	6	QUERCUS VIRGINIANA/LIVE OAK		2' CAL. 10 HT. X 4 SP.D.	Y	Y
SP	2	SABAL PALM		10' C.T. HT.	Y	Y
TD	11	TAXODIUM DISTICHUM/BALD CYPRESS		2' CAL. 10' HT. X 4 SP.D.	Y	Y
SHRUBS						
CI	161	CHRYSOBALANUS ICAGO/COCOPLUM		3 GAL. 24" HT. 36" O.C.	Y	Y
SR	10	SERENOA REPENS/SAW PALMETTO		3 GAL. 24" HT. 30" O.C.	Y	Y
GROUND COVER max 25% coverage of landscape area spaced to obtain reasonable coverage within 1 year.						
HS	155	ILEX VOMITORIA NANA/DWARF YAUPOIN HOLLY		1 GAL. FULL. 24" O.C.	Y	Y
SOD						
SOD	TRD	ARGENTINE BAHIA		ARGENTINE BAHIA		
MULCH MATERIAL TO A MINIMUM COMPACTED DEPTH OF THREE INCHES FOR ALL PLANTING AREAS WHEN USED TO SUPPLEMENT GROUND COVER. CYPRESS MULCH MAY NOT BE USED AS A MULCHING MATERIAL. THE USE OF CYPRESS MULCH IS PROHIBITED IN ALL PLANTED AREAS.						

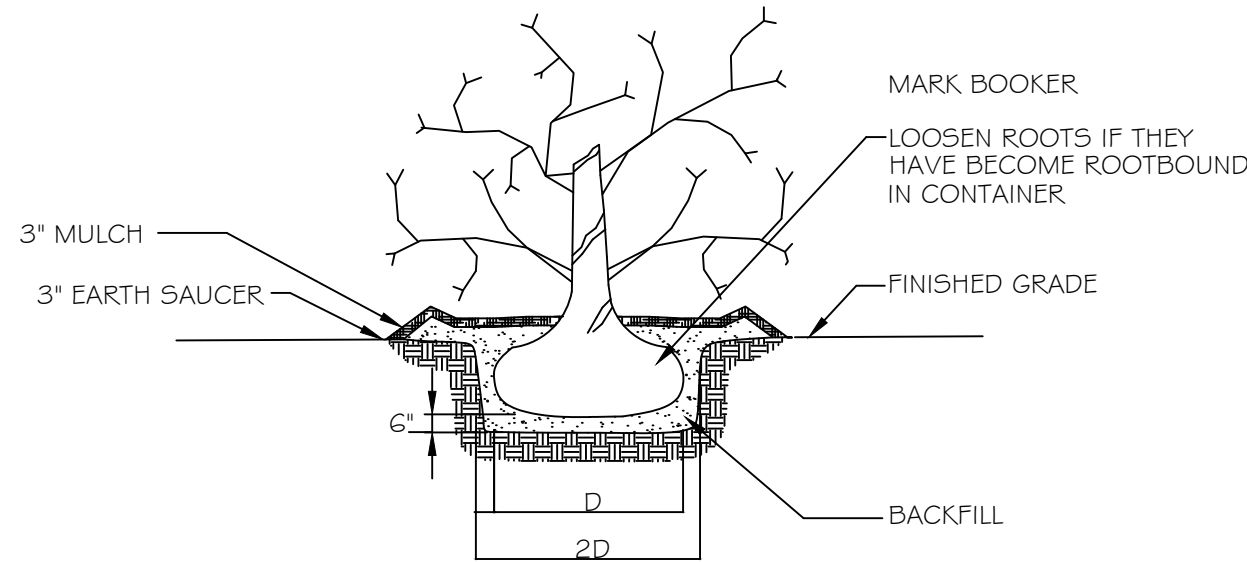
L2



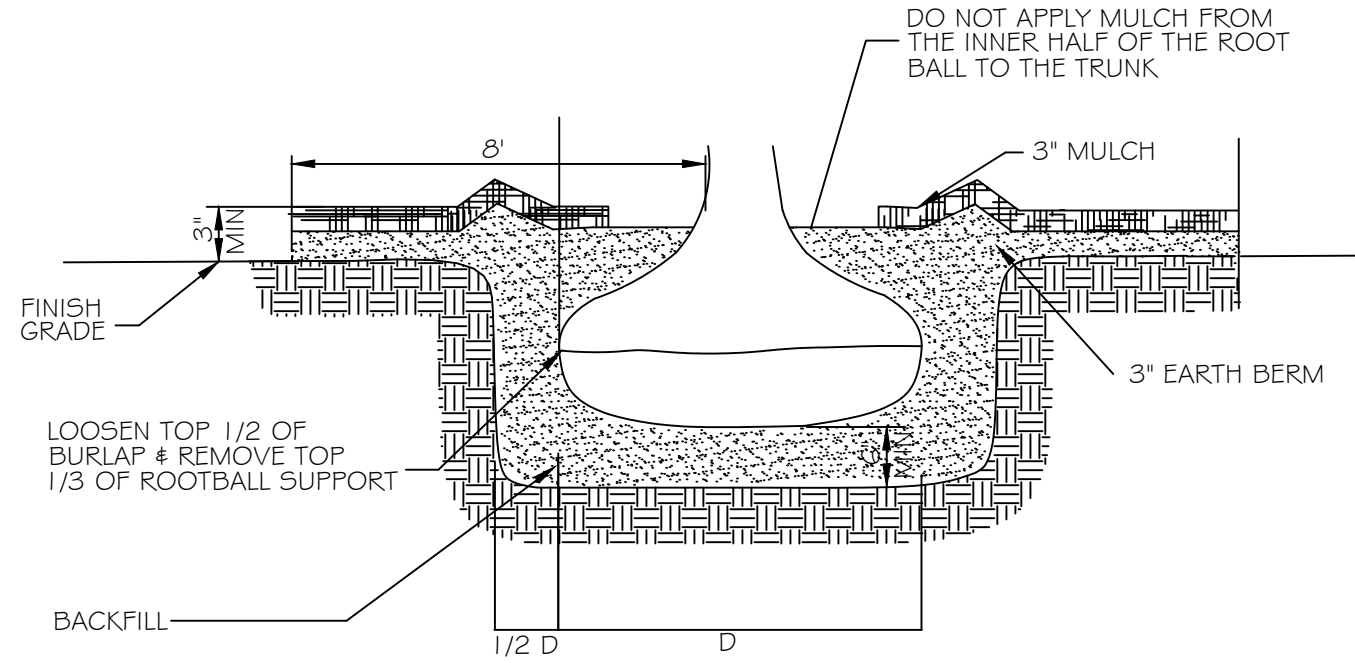
GROUNDCOVER
PLANTING DETAIL



LAWN/PLANTING AREA
EDGE DETAIL

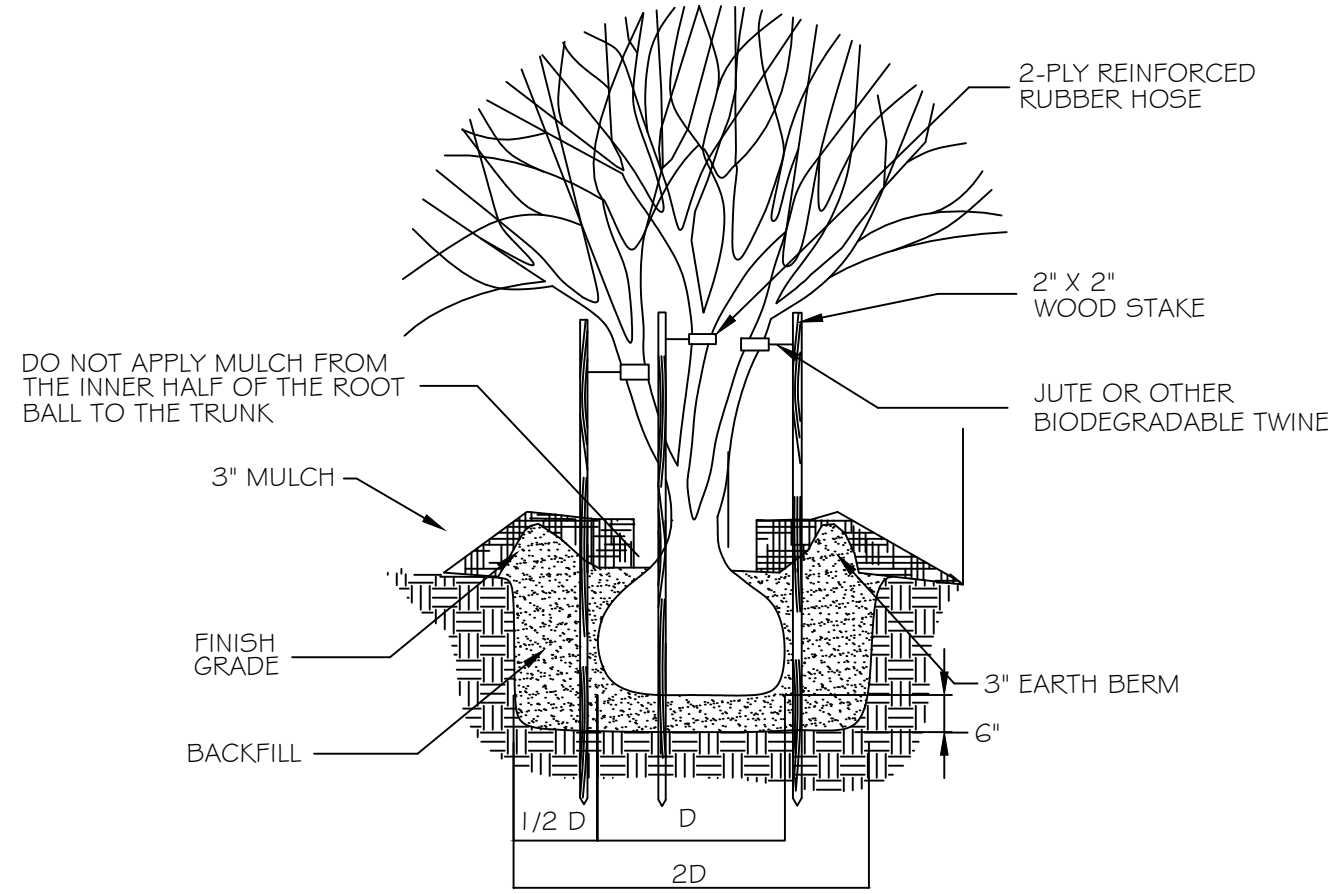


TYPICAL SHRUB
PLANTING DETAIL



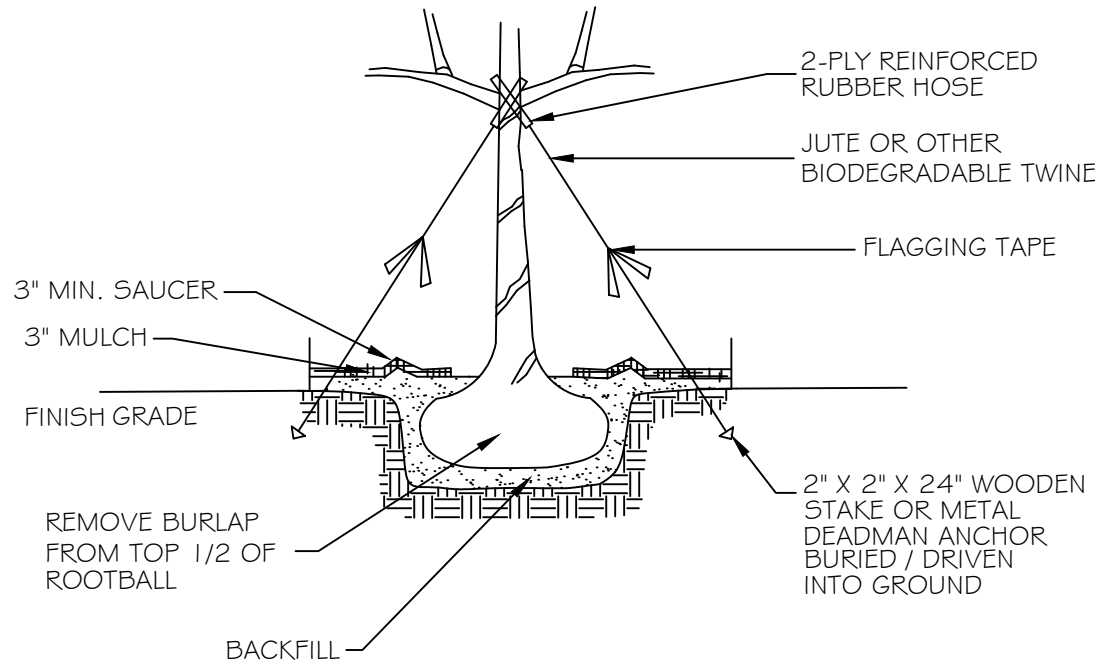
TREE PIT DETAIL

NOTE: PLANT TREE SLIGHTLY ABOVE ORIGINAL GRADE TO ALLOW FOR SETTLEMENT. WATER TREE IMMEDIATELY AFTER PLANTING.



MULTI TRUNK TREE PLANTING DETAIL

NOTE: STAKE TREES ONLY AS NEEDED



TREE STAKING DETAIL

NOTE: STAKE TREES ONLY AS NEEDED

NO.	DATE	DESCRIPTION	BY
11			
10			
9			
8			
7			
6			
5			
4			
3			
2			
1			

PROJECT MANAGER: C. MORAHAN	PROJECT #: 649005	DATE: 07/12/18
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