

	Cal.	Species	Canopy N	Canopy S	Canopy E	Canopy W	Crown Class	% Live Crown	Tag #	Category	Condition	Mitigation cost
103	9	BUMELIA	15	4	6	10	Co	60	6548	PROTECTED	REMOVE	\$900
104	7	PECAN	12	10	10	5	Co	50	6549	PROTECTED	REMOVE	\$700
107	6	PECAN	10	10	10	10	Co	50	6553	PROTECTED	REMOVE	\$600
109	11	HACKBERRY	20	10	4	8	Co	70	6554	PROTECTED	REMOVE	\$1,100
110	7	BUMELIA	10	10	10	10	Co	50	6555	PROTECTED	REMOVE	\$700
115	11	HACKBERRY	20	20	20	6	Co	60	6561	PROTECTED	REMOVE	\$1,100
130	10	MESQUITE	10	20	18	17	Co	70	6538	PROTECTED	REMOVE	\$1,000
131	23	MESQUITE	20	40	25	30	Dom	90	6540	PROTECTED	REMOVE-POOR	
136	10	HACKBERRY	20	0	8	8	Co	60	6556	PROTECTED	REMOVE	\$1,000
138	13	MESQUITE	10	15	8	15	Co	75	6542	PROTECTED	REMOVE	\$2,600
139	15	MESQUITE	10	15	15	8	Co	70	6541	PROTECTED	REMOVE	\$3,000

TREE SURVEY TOTALS:

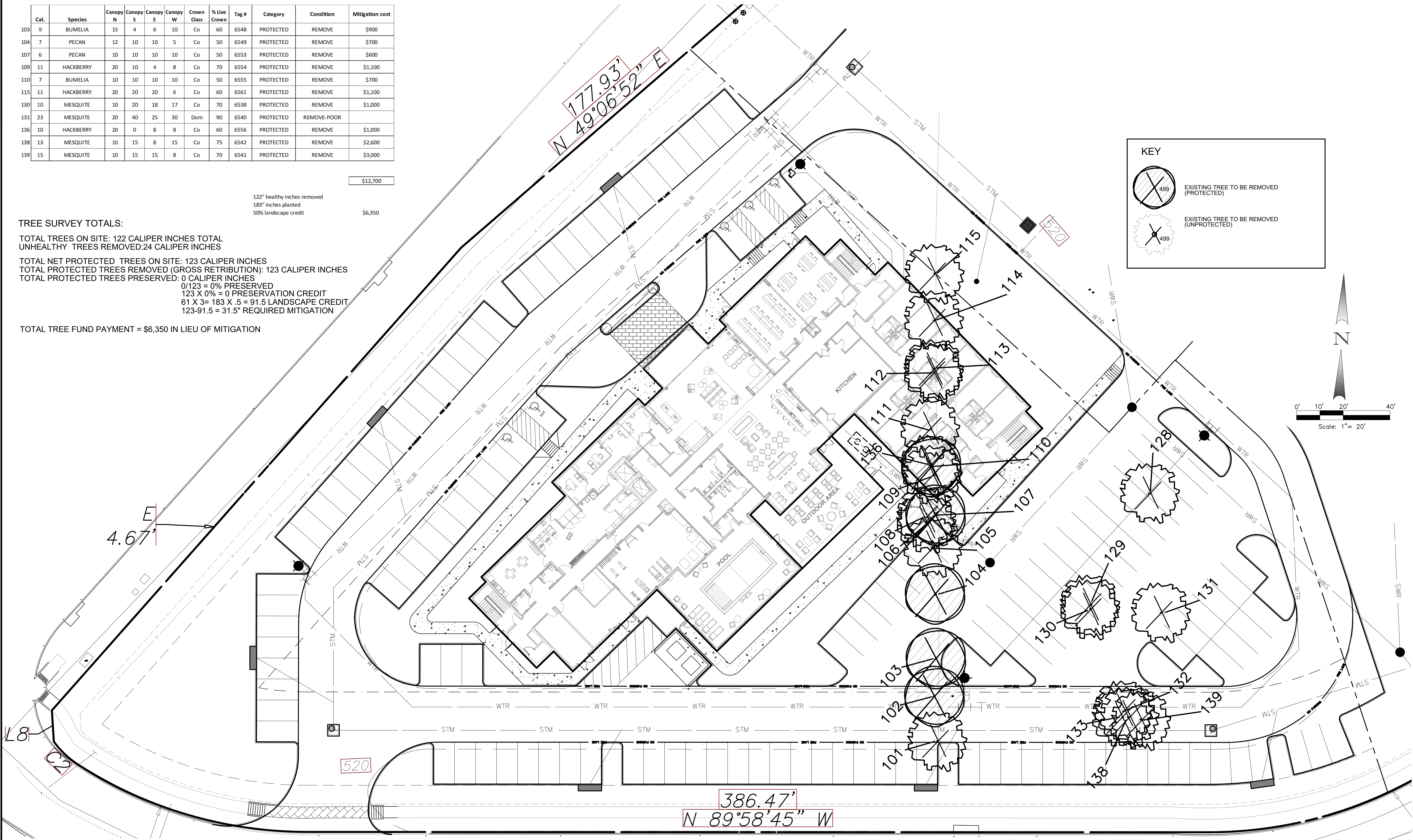
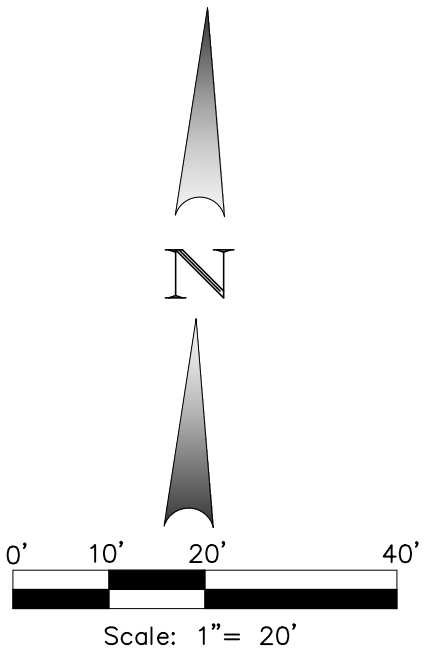
TOTAL TREES ON SITE: 122 CALIPER INCHES TOTAL
UNHEALTHY TREES REMOVED: 24 CALIPER INCHES
TOTAL NET PROTECTED TREES ON SITE: 123 CALIPER INCHES
TOTAL PROTECTED TREES REMOVED (GROSS RETRIBUTION): 123 CALIPER INCHES
TOTAL PROTECTED TREES PRESERVED: 0 CALIPER INCHES
0/123 = 0% PRESERVED
123 X 0% = 0 PRESERVATION CREDIT
61 X 3 = 183 X .5 = 91.5 LANDSCAPE CREDIT
123-91.5 = 31.5" REQUIRED MITIGATION

TOTAL TREE FUND PAYMENT = \$6,350 IN LIEU OF MITIGATION

122" healthy inches removed
183" inches planted
50% landscape credit

\$12,700

\$6,350



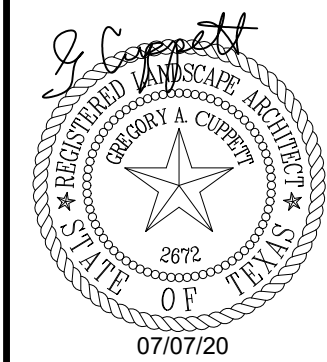
CAUTION!!
UNDERGROUND UTILITIES ARE LOCATED IN THIS AREA. 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, CONTACT LINE LOCATES FOR FRANCHISE UTILITY INFO. CALL BEFORE YOU DIG. TEXAS EXCAVATION SAFETY SYSTEM (TESS) 1-800-344-5377 TEXAS ONE CALL SYSTEMS 1-800-245-4545 LONE STAR NOTIFICATION CENTER 1-800-668-5344 EXT. 5 **BEFORE YOU DIG...**

THIS ELECTRONIC DRAWING FILE IS RELEASED UNDER THE AUTHORITY OF GREGORY CUPPETT, LICENSED IRRIGATOR & LANDSCAPE ARCHITECT LICENSED IRRIGATOR NUMBER 002838, LANDSCAPE ARCHITECT REGISTRATION NUMBER 26721 ON 07/07/20 WHO MAINTAINS THE ORIGINAL FILE. THIS ELECTRONIC DRAWING FILE MAY BE USED AS A BACKGROUND DRAWING. PURSUANT TO RULE 3.103(F) OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS AND THE RULES AND REGULATIONS OF THE TEXAS DEPARTMENT OF LICENSING AND REGULATION, THE USER OF THIS ELECTRONIC DRAWING FILE AGREES TO ASSUME ALL RESPONSIBILITY FOR ANY MODIFICATION TO OR USE OF THIS DRAWING FILE THAT IS INCONSISTENT WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS AND THE TEXAS DEPARTMENT OF LICENSING AND REGULATION. NO PERSON MAY MAKE MODIFICATIONS TO THIS ELECTRONIC DRAWING FILE WITHOUT THE IRRIGATOR/LANDSCAPE ARCHITECT'S EXPRESS WRITTEN PERMISSION.



TREE PRESERVATION/MITIGATION PLAN
HIGHWAY 121 & FREEPORT
COPELL, TEXAS

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Texas Engineers Registration No. 100865-00
Surveyors Registration No. 100865-00
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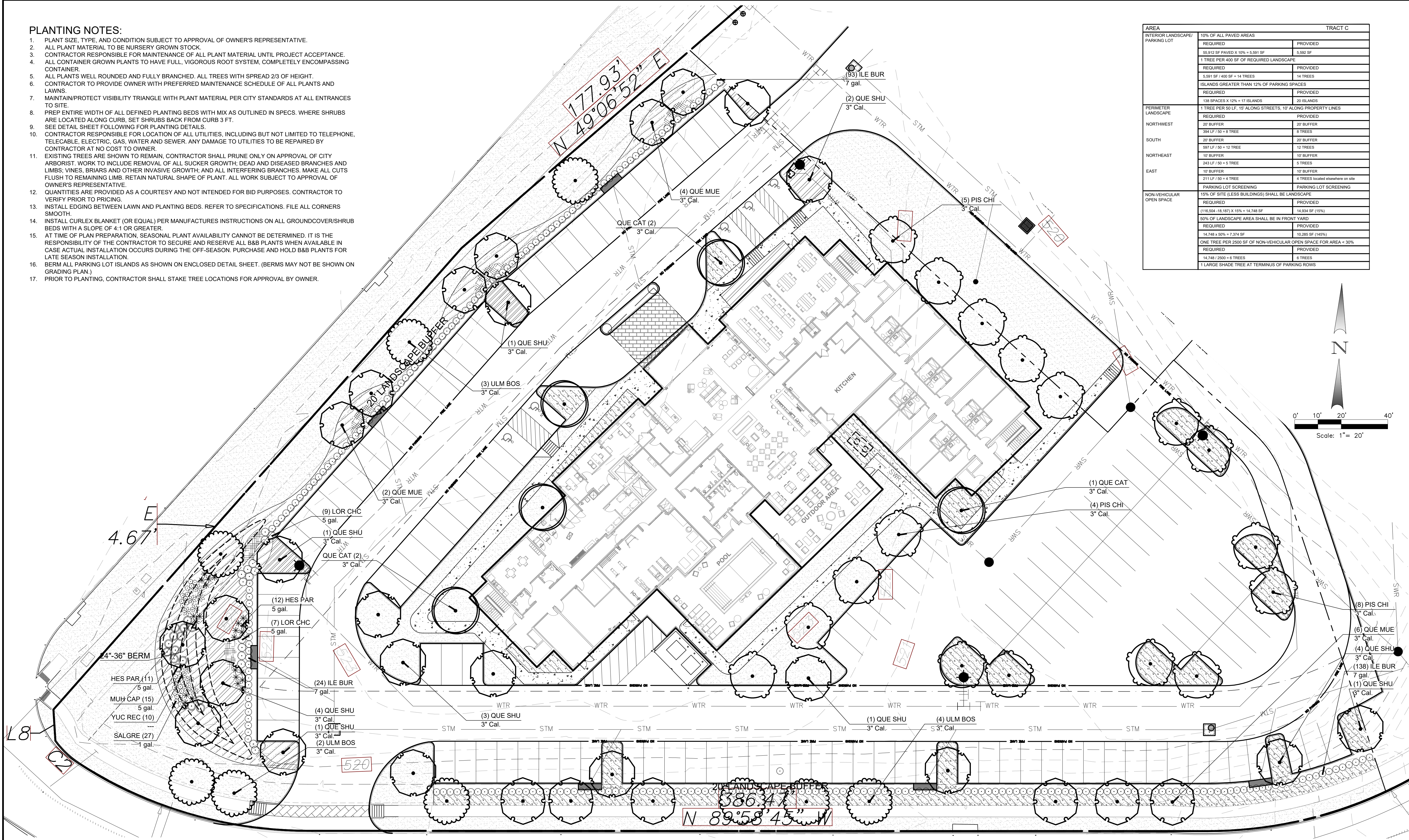


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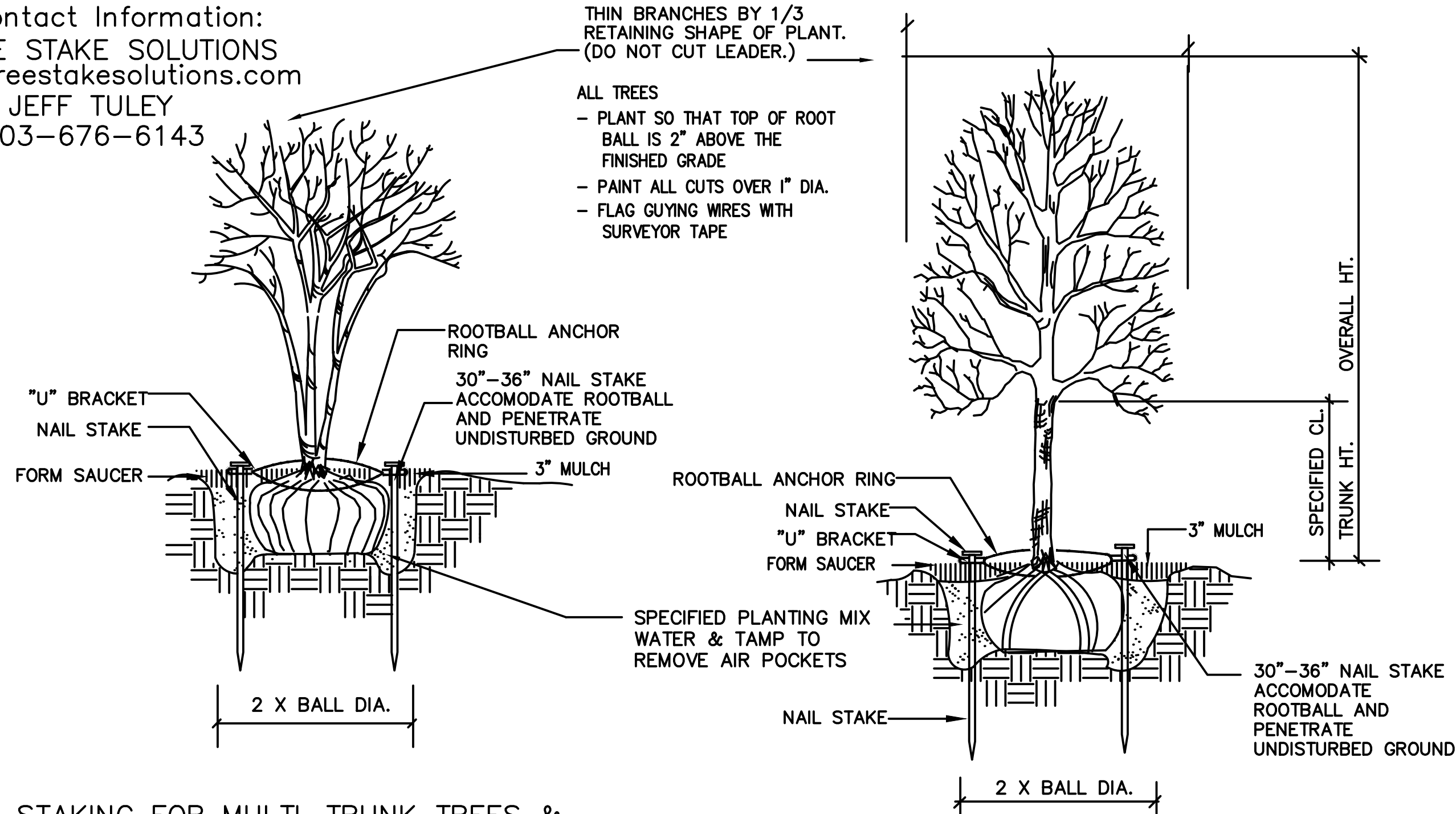
PLANTING NOTES:

1. PLANT SIZE, TYPE, AND CONDITION SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.
2. ALL PLANT MATERIAL TO BE NURSERY GROWN STOCK.
3. CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF ALL PLANT MATERIAL UNTIL PROJECT ACCEPTANCE.
4. ALL CONTAINER GROWN PLANTS TO HAVE FULL, VIGOROUS ROOT SYSTEM, COMPLETELY ENCOMPASSING CONTAINER.
5. ALL PLANTS WELL ROUNDED AND FULLY BRANCHED. ALL TREES WITH SPREAD 2/3 OF HEIGHT.
6. CONTRACTOR TO PROVIDE OWNER WITH PREFERRED MAINTENANCE SCHEDULE OF ALL PLANTS AND LAWNS.
7. MAINTAIN/PROTECT VISIBILITY TRIANGLE WITH PLANT MATERIAL PER CITY STANDARDS AT ALL ENTRANCES TO SITE.
8. PREP ENTIRE WIDTH OF ALL DEFINED PLANTING BEDS WITH MIX AS OUTLINED IN SPECS. WHERE SHRUBS ARE LOCATED ALONG CURB, SET SHRUBS BACK FROM CURB 3 FT.
9. SEE DETAIL SHEET FOLLOWING FOR PLANTING DETAILS.
10. CONTRACTOR RESPONSIBLE FOR LOCATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO TELEPHONE, TELECABLE, ELECTRIC, GAS, WATER AND SEWER. ANY DAMAGE TO UTILITIES TO BE REPAIRED BY CONTRACTOR AT NO COST TO OWNER.
11. EXISTING TREES ARE SHOWN TO REMAIN. CONTRACTOR SHALL PRUNE ONLY ON APPROVAL OF CITY ARBORIST. WORK TO INCLUDE REMOVAL OF ALL SUCKER GROWTH; DEAD AND DISEASED BRANCHES AND LIMBS; VINES, BRIARS AND OTHER INVASIVE GROWTH; AND ALL INTERFERING BRANCHES. MAKE ALL CUTS FLUSH TO REMAINING LIMB. RETAIN NATURAL SHAPE OF PLANT. ALL WORK SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.
12. QUANTITIES ARE PROVIDED AS A COURTESY AND NOT INTENDED FOR BID PURPOSES. CONTRACTOR TO VERIFY PRIOR TO PRICING.
13. INSTALL, EDGING BETWEEN LAWN AND PLANTING BEDS. REFER TO SPECIFICATIONS. FILE ALL CORNERS SMOOTH.
14. INSTALL CURLEX BLANKET (OR EQUAL) PER MANUFACTURER'S INSTRUCTIONS ON ALL GROUND COVER/SHRUB BEDS WITH A SLOPE OF 4:1 OR GREATER.
15. AT TIME OF PLAN PREPARATION, SEASONAL PLANT AVAILABILITY CANNOT BE DETERMINED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE AND RESERVE ALL B&B PLANTS WHEN AVAILABLE IN CASE ACTUAL INSTALLATION OCCURS DURING THE OFF-SEASON. PURCHASE AND HOLD B&B PLANTS FOR LATE SEASON INSTALLATION.
16. BERM ALL PARKING LOT ISLANDS AS SHOWN ON ENCLOSED DETAIL SHEET. (BERMS MAY NOT BE SHOWN ON GRADING PLAN.)
17. PRIOR TO PLANTING, CONTRACTOR SHALL STAKE TREE LOCATIONS FOR APPROVAL BY OWNER.

AREA		TRACT C	
INTERIOR LANDSCAPE/ PARKING LOT	10% OF ALL PAVED AREAS		
	REQUIRED	PROVIDED	
	55,912 SF PAVED X 10% = 5,591 SF	5,592 SF	
	1 TREE PER 400 SF OF REQUIRED LANDSCAPE		
	REQUIRED	PROVIDED	
	5,591 SF / 400 SF = 14 TREES	14 TREES	
	ISLANDS GREATER THAN 12% OF PARKING SPACES		
	REQUIRED	PROVIDED	
	138 SPACES X 12% = 17 ISLANDS	20 ISLANDS	
	1 TREE PER 50 LF, 15' ALONG STREETS, 10' ALONG PROPERTY LINES		
PERIMETER LANDSCAPE	REQUIRED		PROVIDED
	NORTHWEST		
	20' BUFFER	20' BUFFER	
	394 LF / 50 = 8 TREE	8 TREES	
	SOUTH		
	20' BUFFER	20' BUFFER	
	597 LF / 50 = 12 TREE	12 TREES	
	NORTHEAST		
	10' BUFFER	10' BUFFER	
	243 LF / 50 = 5 TREE	5 TREES	
NON-VEHICULAR OPEN SPACE	10' BUFFER		10' BUFFER
	211 LF / 50 = 4 TREE		4 TREES located elsewhere on site
	PARKING LOT SCREENING		PARKING LOT SCREENING
	15% OF SITE (LESS BUILDINGS) SHALL BE LANDSCAPE		
	REQUIRED	PROVIDED	
	116,504 - 18,187 X 15% = 14,748 SF	14,934 SF (15%)	
	50% OF LANDSCAPE AREA SHALL BE IN FRONT YARD		
	REQUIRED	PROVIDED	
	14,748 X 50% = 7,374 SF	10,285 SF (145%)	
	ONE TREE PER 2500 SF OF NON-VEHICULAR OPEN SPACE FOR AREA < 30%		
	REQUIRED	PROVIDED	
	14,140 / 2500 = 6 TREES	6 TREES	
	1 LARGE SHADE TREE AT TERMINUS OF PARKING ROWS		
	REQUIRED	PROVIDED	



Contact Information:
TREE STAKE SOLUTIONS
www.treestakesolutions.com
JEFF TULEY
903-676-6143

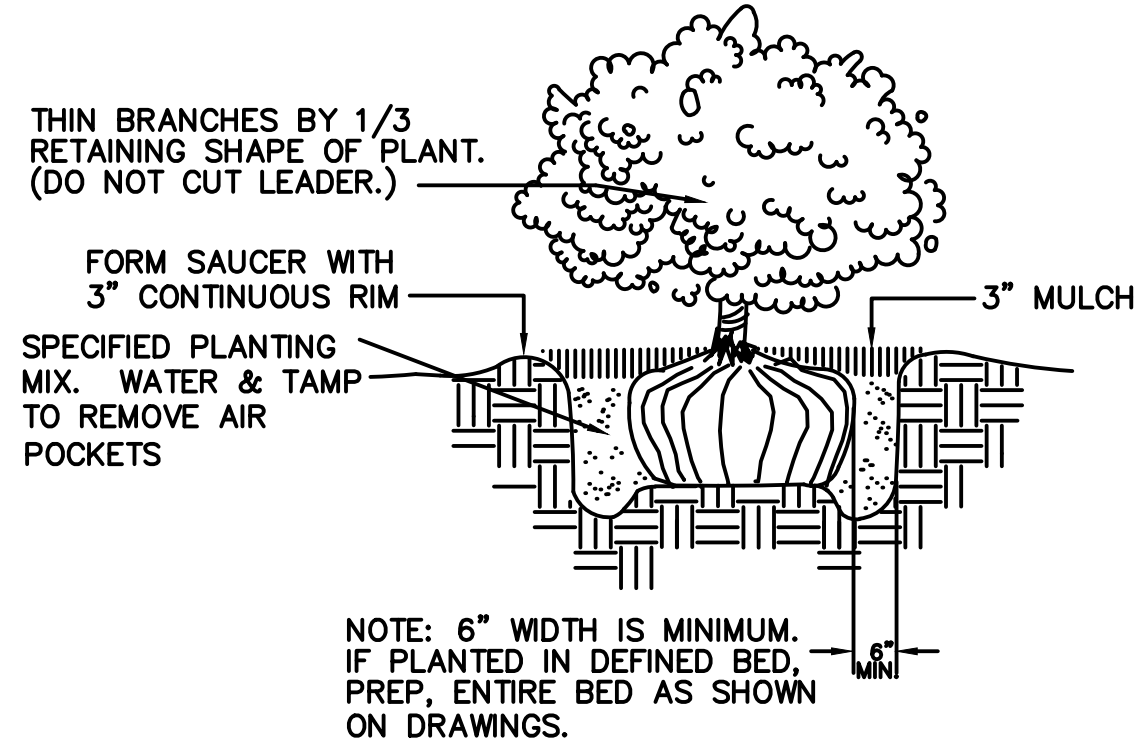


STAKING FOR MULTI-TRUNK TREES & TREES 2" CAL. & UNDER

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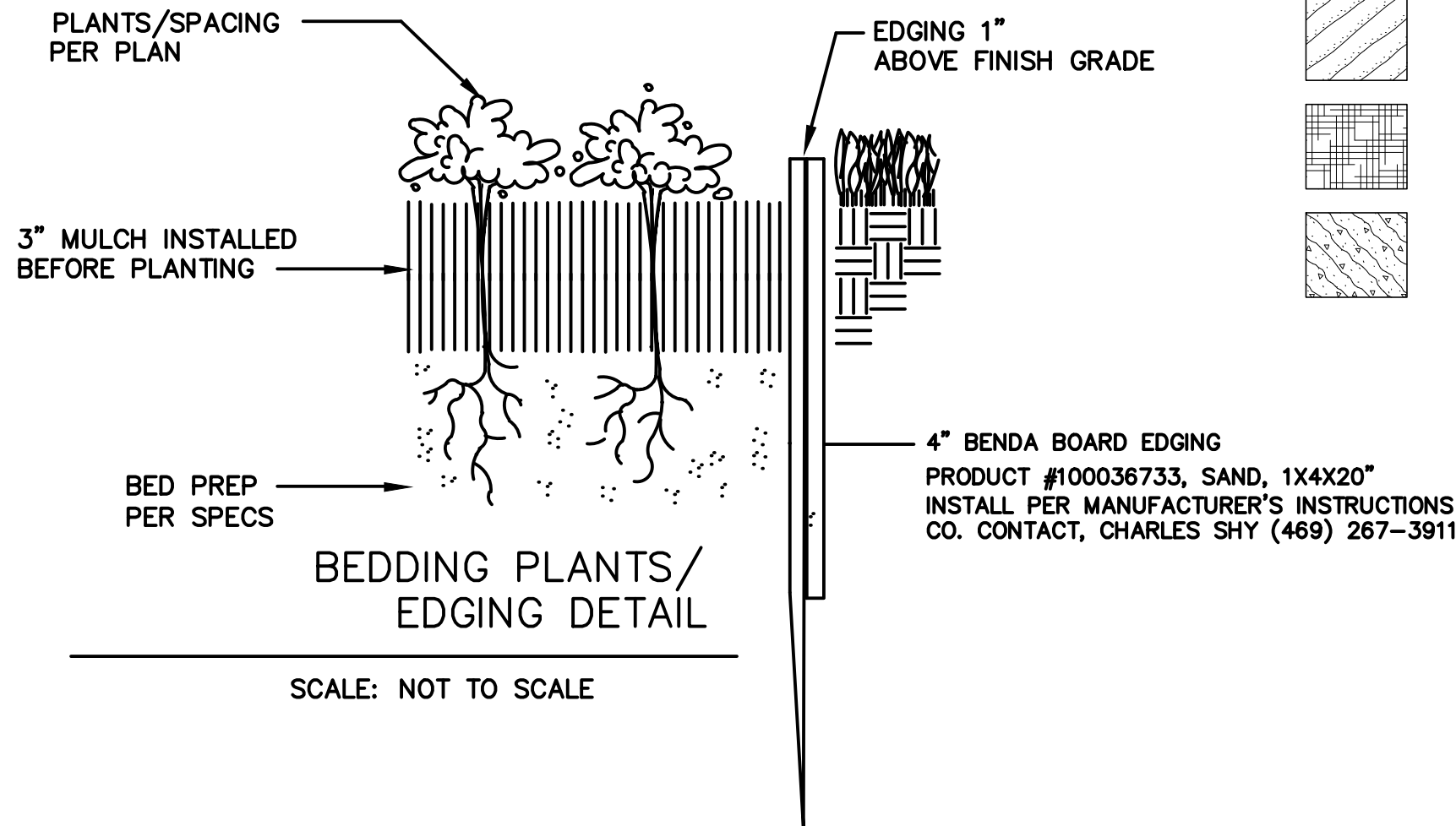
SAFETY STAKE BY TREE STAKE SOLUTIONS

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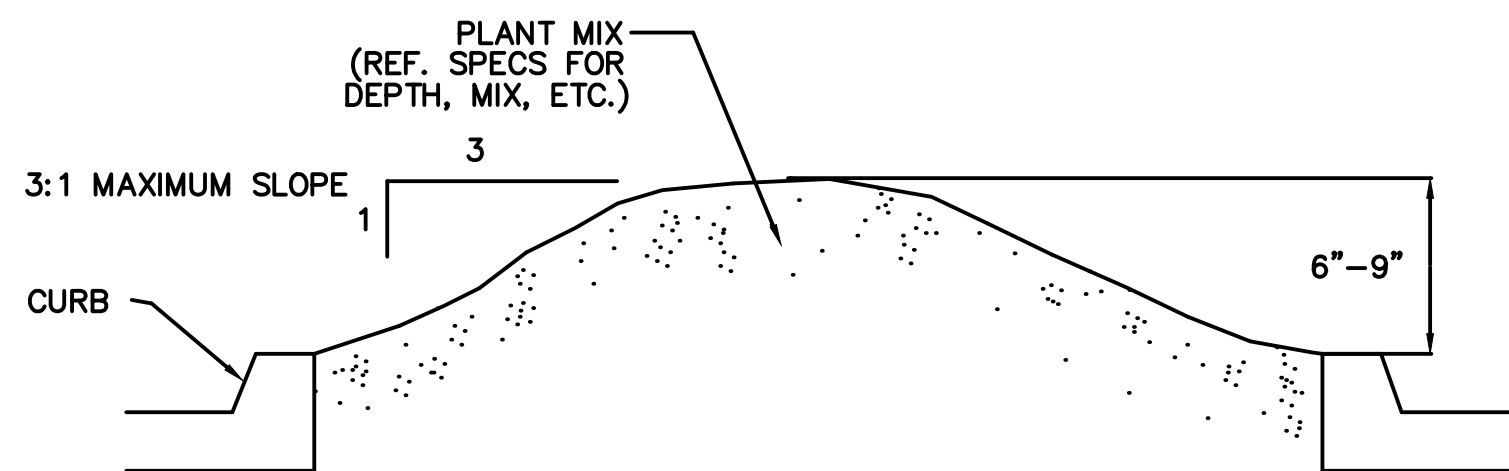
SHRUB PLANTING

SCALE: NOT TO SCALE



BEDDING PLANTS/
EDGING DETAIL

SCALE: NOT TO SCALE



TYPICAL PARKING LOT ISLAND MOUNDING

SCALE: NOT TO SCALE

PLANT SCHEDULE

TREES		CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	SPACING	REMARKS
	PIS CHI	17	Pistacia chinensis	Chinese Pistache	3" Cal.	10` Min.	As Shown	Single Straight Trunk	
	QUE MUE	12	Quercus muehlenbergii	Chinkapin Oak	3" Cal.	12` Height Min	As Shown	Single Straight Trunk	
	QUE SHU	18	Quercus shumardii	Shumard Red Oak	3" Cal.	12` Height Min	As Shown	Single Straight Trunk	
	QUE CAT	5	Quercus virginiana `SDLN` TM	Cathedral Live Oak	3" Cal.	12` Height Min	As Shown	Single Straight Trunk	
	ULM BOS	9	Ulmus parvifolia `UPMTF` TM	Bosque Lacebark Elm	3" Cal.	12` Height Min	As Shown	Single Straight Trunk	
SHRUBS		CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	SPACING	REMARKS
	HES PAR	23	Hesperaloe parviflora `Perpa` TM	Brakelights Red Yucc	5 gal.	18"-24"	36" oc	Container grown, mature root system but not root bound. Full broad top	
	ILE BUR	255	Ilex cornuta `Burfordii Nana`	Dwarf Burford Holly	7 gal.	24"-36"	36" O.C.		
	LOR CHC	16	Loropetalum chinense `Crimson Fire`	Crimson Fire Loropetalum	5 gal.	18"-24"	42" O.C.		
	MUH CAP	15	Muhlenbergia capillaris	Pink Muhly Grass	5 gal.	18"-24"	48" O.C.		
	SALGRE	27	Salvia greggii	Autumn sage	1 gal.	18"-24"	24" O.C.		
	YUC REC	10	Yucca recurvifolia	Spineless Yucca	---				
GROUND COVERS		CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	SPACING	REMARKS
	CYN DAC	3,317 sf	Cynodon dactylon	Bermuda turf	Solid Sod				
	EUO C22	1,477	Euonymus fortunei `Coloratus`	Coloratus Purple Wintercreeper	4" pots				
	NAS PON	2,419 sf	Nassella tenuissima `Pony Tails`	Mexican Feathergrass	1 gal.				
	SAL GR2	78	Salvia greggii	Autumn Sage	1 gal.				
	TRA ASI	3,960	Trachelospermum asiaticum	Asian Jasmine	4" pots			12" O.C.	

NOTES:

1. TEMPORARY IRRIGATION WILL BE REQUIRED TO ESTABLISH TURF IN ALL OFF SITE DISTURBED AREAS WITHOUT A PERMANENT IRRIGATION SYSTEM.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM TREE CALIPER MEASUREMENT HEIGHT ABOVE GRADE AS REQUIRED BY TOWN.
3. NO LANDSCAPE PLANTINGS WITHIN 18" OF PARKING LOT CURBS.
4. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR AND SHALL MAINTAIN THE LANDSCAPING FOR 90 DAYS PAST THE FINAL INSPECTION.
5. HYDRO MULCH IN ALL DISTURBED AREAS AS IDENTIFIED ON GRADING AND EROSION CONTROL PLAN.

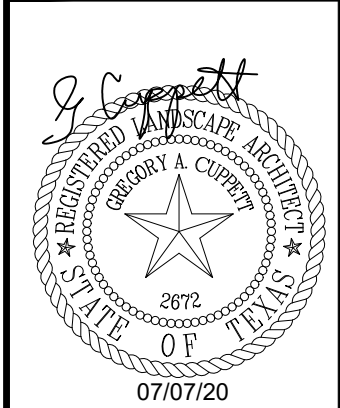
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PLANTING DETAIL

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CIVIL ENGINEER & SURVEYOR



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