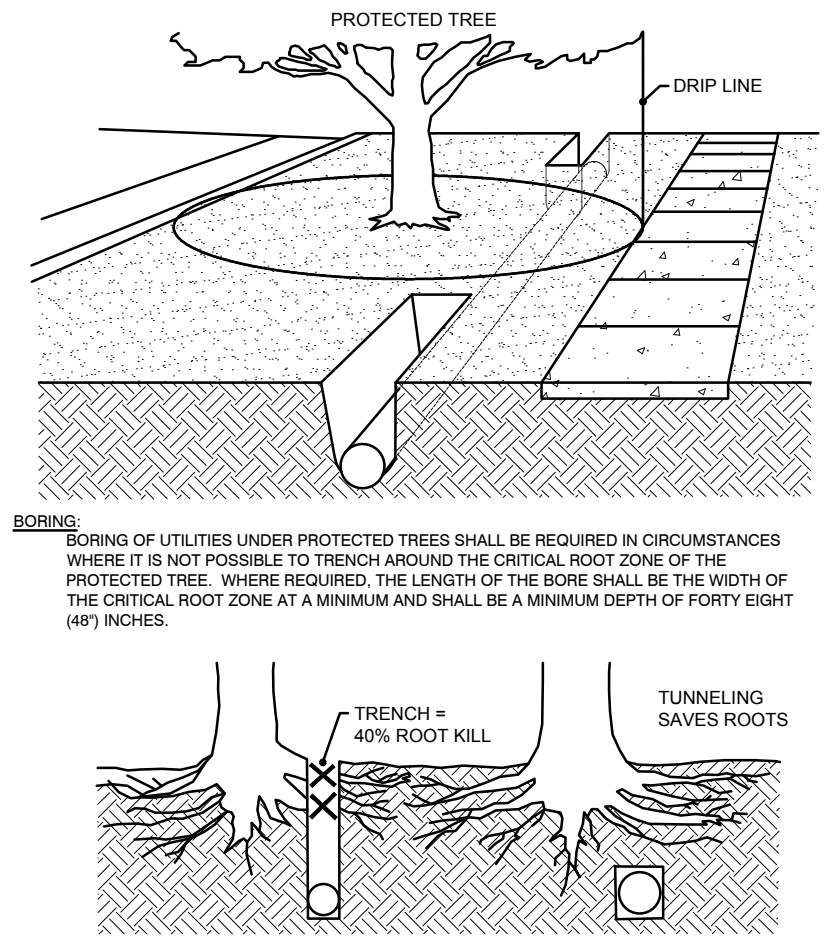
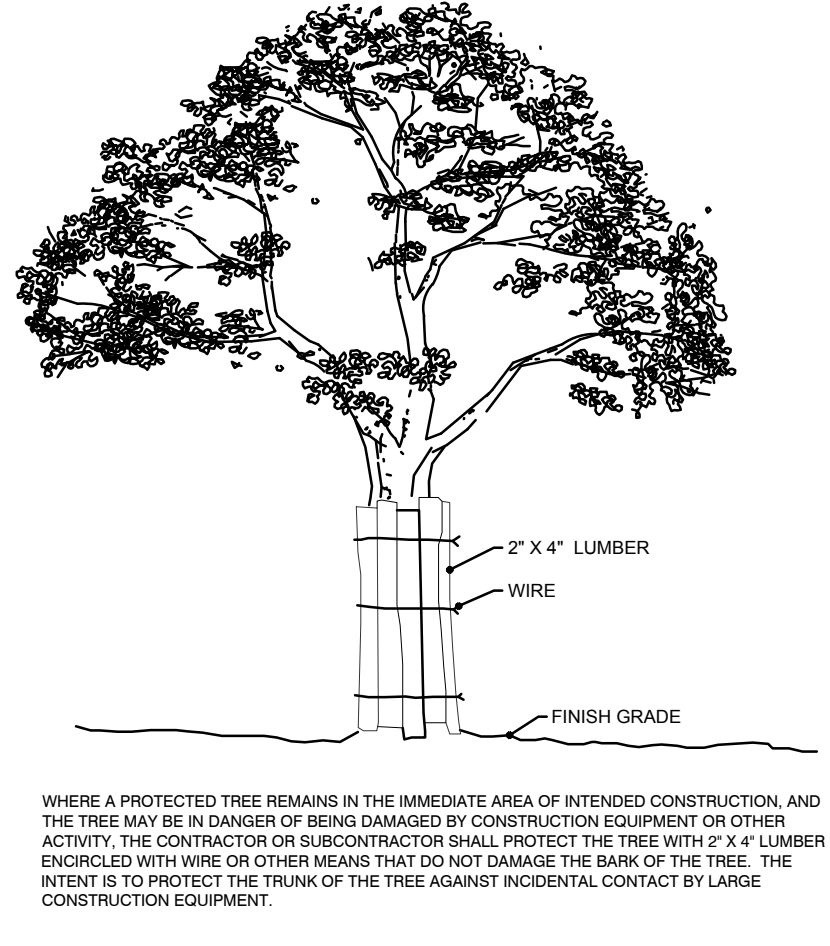


1 TREE PROTECTION FENCING
N.T.S.

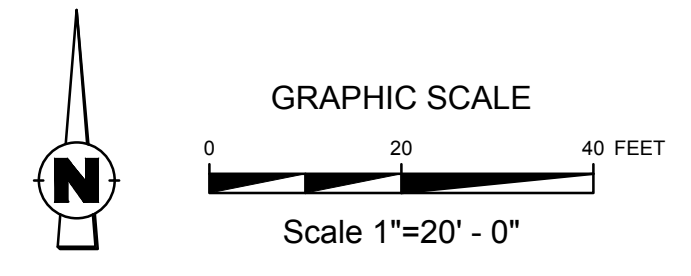


2 BORING AND TUNNELING
N.T.S.



3 BARK PROTECTION
N.T.S.

- TREE PRESERVATION LEGEND
- TREE TO BE REMOVED
 - TREE TO REMAIN
 - TREE PRESERVATION FENCING



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TREE PRESERVATION NOTES

CONSTRUCTION METHODS:

BORING: BORING OF UTILITIES UNDER PROTECTED TREES MAY BE REQUIRED. WHEN REQUIRED, THE MINIMUM LENGTH OF THE BORE SHALL BE THE WIDTH OF THE CRITICAL ROOT ZONE AND SHALL BE A MINIMUM DEPTH OF FORTY (40) INCHES.

TRENCHING: ALL TRENCHING SHALL BE DESIGNED TO AVOID TRENCHING ACROSS CRITICAL ROOT ZONES OF ANY PROTECTED TREE. THE PLACEMENT OF UNDERGROUND UTILITY LINES SUCH AS ELECTRIC, PHONE, GAS, ETC., IS ENCOURAGED TO BE LOCATED OUTSIDE THE CRITICAL ROOT ZONE. TRENCHING FOR IRRIGATION SYSTEMS SHALL BE PLACED OUTSIDE THE CRITICAL ROOT ZONE EXCEPT THE MINIMUM REQUIRED SINGLE HEAD SUPPLY LINE. THIS LINE IS ALLOWED TO EXTEND INTO THE CRITICAL ROOT ZONE PERPENDICULAR TO THE TREE TRUNK, WITH THE LEAST POSSIBLE DISTURBANCE.

TREES TO BE REMOVED: ALL TREES TO BE REMOVED FROM THE SITE SHALL BE FLAGGED BY THE CONTRACTOR WITH BRIGHT RED VINYL TAPE WRAPPED AROUND THE MAIN TRUNK AT A HEIGHT OF FOUR (4) FEET ABOVE GRADE.

TREES TO REMAIN: ALL TREES TO REMAIN, AS NOTED ON DRAWINGS, SHALL HAVE PROTECTIVE FENCING LOCATED AT THE TREE'S DRIP LINE. THE PROTECTIVE FENCING SHALL BE LOCATED AS INDICATED ON THE TREE PROTECTION DETAIL.

EXISTING TREES NOTED TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION FROM DAMAGE AND COMPACTION OF SOIL UNDER AND AROUND DRIP LINE OF TREE.

UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR PRUNE ANY PORTION OF THE DAMAGED TREE WITHOUT THE PRIOR APPROVAL BY THE OWNERS AUTHORIZED REPRESENTATIVE.

PROHIBITED ACTIVITIES IN CRITICAL ROOT ZONE:
THE FOLLOWING ACTIVITIES ARE PROHIBITED IN THE AREAS NOTED AS THE CRITICAL ROOT ZONE:

MATERIAL STORAGE: NO MATERIALS INTENDED FOR USE IN CONSTRUCTION, OR WASTE MATERIALS ACCUMULATED DUE TO EXCAVATION OR DEMOLITION, SHALL BE PLACED WITHIN THE LIMITS OF THE CRITICAL ROOT ZONE OF ANY PROTECTED TREE.

EQUIPMENT CLEANING/LIQUID DISPOSAL: NO EQUIPMENT SHALL BE CLEANED, OR OTHER LIQUIDS DEPOSITED OR ALLOWED, WITHIN THE LIMITS OF THE CRITICAL ROOT ZONE OF A PROTECTED TREE. THIS INCLUDES, WITHOUT LIMITATION: PAINT, OIL, SOLVENTS, ASPHALT, CONCRETE, MORTAR OR SIMILAR MATERIALS.

TREE ATTACHMENTS: NO SIGNS, WIRES, OR OTHER ATTACHMENTS, OTHER THAN THOSE OF A PROTECTIVE NATURE, SHALL BE ATTACHED TO ANY PROTECTED TREE.

VEHICULAR TRAFFIC: NO VEHICULAR AND/OR CONSTRUCTION, EQUIPMENT, TRAFFIC, OR PARKING SHALL TAKE PLACE WITHIN THE LIMITS OF THE CRITICAL ROOT ZONE OF ANY PROTECTED TREE OTHER THAN ON EXISTING STREET PAVEMENT.

GRADE CHANGES: A MINIMUM OF 75% OF THE DRIP LINE AND ROOT ZONE SHALL BE PRESERVED AT NATURAL GRADE. ANY FINE GRADING DONE WITHIN THE CRITICAL ROOT ZONES OF THE PROTECTED TREES MUST BE DONE WITH LIGHT MACHINERY SUCH AS A BOBCAT OR LIGHT TRACTOR. NO EARTH MOVING EQUIPMENT WITH TRACKS IS ALLOWED WITHIN THE CRITICAL ROOT ZONE OF THE TREES.

PROCEDURES REQUIRED PRIOR TO CONSTRUCTION:
PROTECTIVE FENCING: PRIOR TO CONSTRUCTION, THE CONTRACTOR OR SUBCONTRACTOR SHALL CONSTRUCT AND MAINTAIN, FOR EACH PROTECTED TREE ON A CONSTRUCTION SITE, A PROTECTIVE FENCING WHICH ENCIRCLES THE OUTER LIMITS OF THE CRITICAL ROOT ZONE OF THE TREE TO PROTECT IT FROM CONSTRUCTION ACTIVITY. ALL PROTECTIVE FENCING SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF ANY SITE WORK, AND REMAIN IN PLACE UNTIL ALL EXTERIOR WORK HAS BEEN COMPLETED.

BARK PROTECTION: IN SITUATIONS WHERE A PROTECTED TREE REMAINS IN THE IMMEDIATE AREA OF INTENDED CONSTRUCTION, AND THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE DETERMINES THE TREE BARK TO BE IN DANGER OF DAMAGE BY CONSTRUCTION EQUIPMENT OR OTHER ACTIVITY, THE CONTRACTOR OR SUBCONTRACTOR SHALL PROTECT THE TREE BY ENCLOSING THE ENTIRE CIRCUMFERENCE OF THE TREE WITH 2"x4" LUMBER ENCIRCLED WITH WIRE OR OTHER MEANS THAT DO NOT DAMAGE THE TREE. THE INTENT IS TO PROTECT THE BARK OF THE TREE AGAINST INCIDENTAL CONTACT BY LARGE CONSTRUCTION EQUIPMENT.

Know what's below.
Call before you dig.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MAY BE OCCURRED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE: CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE PROVIDER SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK OF PERSONS ENGAGED IN THE WORK, OR ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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24 HOUR
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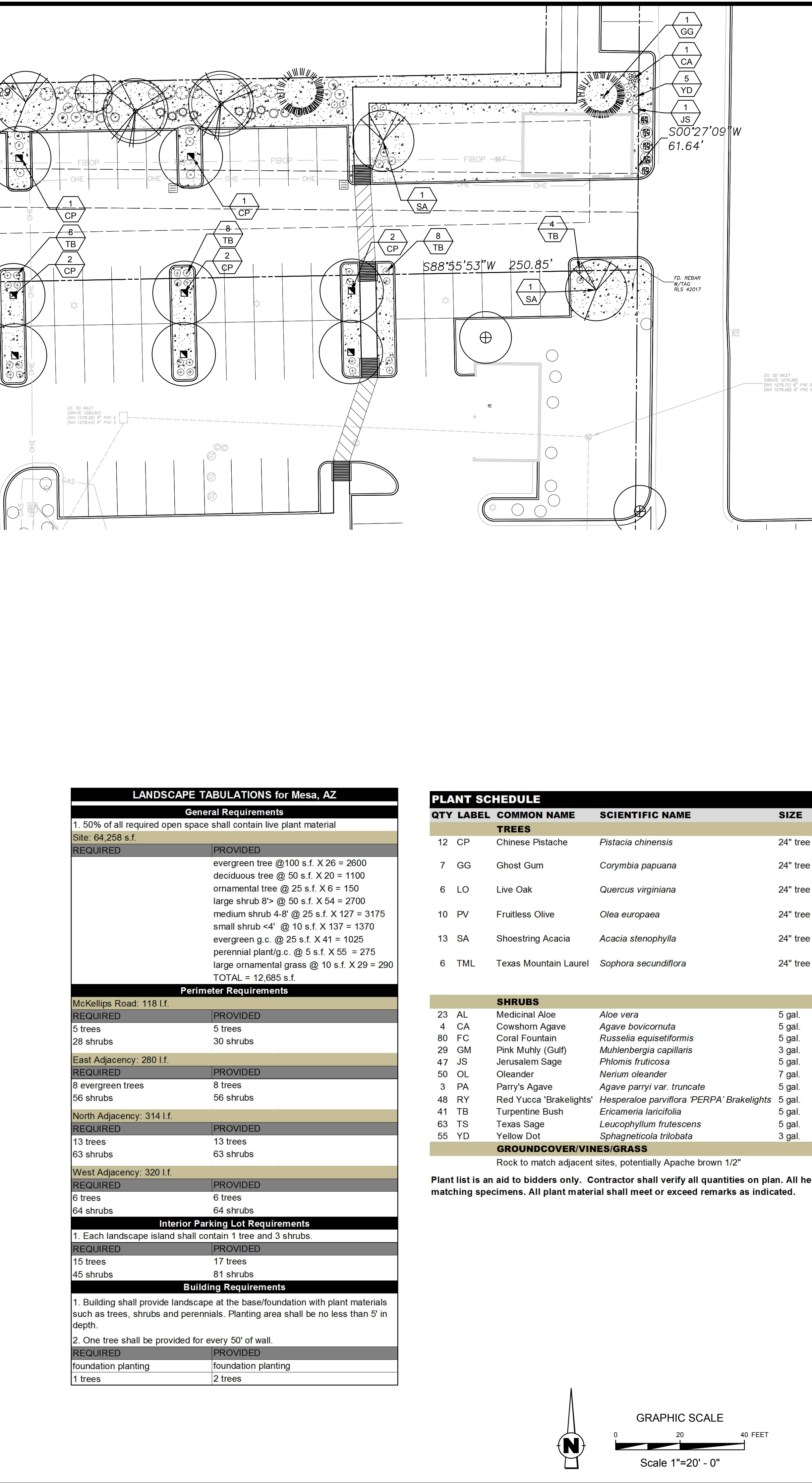
CULVER'S FROZEN CUSTARD	1830 E. MCKELLIPS ROAD	CITY OF MESA	MARICOPA COUNTY, AZ
NORTH MESA SCOOP, LLC			
CIVIL IMPROVEMENT PLANS			
TREE PRESERVATION PLAN			

DATE 2025-04-23

REVISIONS

75119
AMANDA W. RICHARDSON
2025-02-01
Arizona, U.S.A.

DRAWN BY: K. SARWAR
CHECKED BY: C. ATCHLEY
PROJECT MANAGER: C. ATCHLEY
JOB #: 24008258
FILE CODE: ##
SHEET NO. L101



PLANT SCHEDULE							
QTY	LABEL	COMMON NAME	SCIENTIFIC NAME	SIZE	NOTES	MATURE SIZE	CANOPY COVERAGE
TREES							
							(3.14 x R squared)* tree #
12	CP	Chinese Pistache	<i>Pistacia chinensis</i>	24" tree box	12' ht., 4' spread, matching	Deciduous, 40' x 35'	11539.5
7	GG	Ghost Gum	<i>Corymbia papuana</i>	24" tree box	12' ht., 4' spread, matching	Evergreen, 40' x 25'	3434.375
6	LO	Live Oak	<i>Quercus virginiana</i>	24" tree box	12' ht., 4' spread, matching	Evergreen, 40' x 50'	1884
10	PV	Fruitless Olive	<i>Olea europaea</i>	24" tree box	10' ht., 3' spread, matching	Evergreen 25' x 25'	4906.25
13	SA	Shoestring Acacia	<i>Acacia stenophylla</i>	24" tree box	12' ht., 4' spread, matching	Evergreen, 30' x 20'	4082
6	TML	Texas Mountain Laurel	<i>Sophora secundiflora</i>	24" tree box	8' ht., 4' spread min.	Evergreen, 10' x 8'	301.44
						TOTAL SITE CANOPY IN S.F.	26147.565
						SITE CANOPY PERCENTAGE	41%
SHRUBS							
23	AL	Medicinal Aloe	<i>Aloe vera</i>	5 gal.	full, 24" o.c.		
4	CA	Cowshorn Agave	<i>Agave bovicornuta</i>	5 gal.	full, 24" spread, 48" o.c.		
80	FC	Coral Fountain	<i>Russelia equisetiformis</i>	5 gal.	full, 30" o.c.		
29	GM	Pink Muhly (Gulf)	<i>Muhlenbergia capillaris</i>	3 gal.	full, 30" o.c.		
47	JS	Jerusalem Sage	<i>Phlomis fruticosa</i>	5 gal.	full, 24" sprd, 36" o.c.		
50	OL	Oleander	<i>Nerium oleander</i>	7 gal.	full, 30" sprd, 40" o.c.		
3	PA	Parry's Agave	<i>Agave parryi</i> var. <i>truncate</i>	5 gal.	full, 24" sprd, 36" o.c.		
48	RY	Red Yucca 'Brakelights'	<i>Hesperaloe parviflora</i> 'PERPA' Brakelights	5 gal.	full, 24" sprd, 30" o.c.		
41	TB	Turpentine Bush	<i>Ericameria laricifolia</i>	5 gal.	full, 24" o.c.		
63	TS	Texas Sage	<i>Leucophyllum frutescens</i>	5 gal.	full, 24" sprd, 36" o.c.		
55	YD	Yellow Dot	<i>Spagneticola trilobata</i>	3 gal.	full, 24" o.c.		
GROUNDCOVER/VINES/GRASS							
Rock to match adjacent sites, potentially Apache brown 1/2"					match neighbor		



THE INDUSTRY.

2. ALL TREES SHALL BE TRIMMED SO THAT NATURAL SHAPES OF THE PLANTS ARE RETAINED.

3. DO NOT CUT UP HEAD TREES.

4. IF FALLING OR SHEARING OF TREES HAS OCCURRED IN THE PAST, DISCONTINUE THIS PRACTICE.

5. REMOVE SUCKERS, DEAD, DYING, DISEASED, BROKEN AND / OR WEAK BRANCHES FROM ALL TREES ALONG THE MAIN TRUNK STRUCTURE AND WITHIN THE BRANCHING AREA.

6. DO NOT REMOVE BRANCHES THAT ARE NEAR THE MAIN TRUNK OR COVER LIMBS TO RAISE THE CANOPY. THE BOTTOM OF THE CANOPY SHALL BE RAISED TO 12" TO ABOVE GROUND.

7. DO NOT REMOVE WOOD TISSUE, WHICH DISRUPTS THE INTEGRITY OF THE CANOPY AND STRUCTURE OF THE TREE.

8. DO NOT REMOVE BRANCHES THAT ARE NEAR THE MAIN TRUNK OR COVER LIMBS TO RAISE THE CANOPY. SHALL TRIM THE CANOPY BY ONE-FOURTH. PRUNE TREE TO EVENLY SPREAD THE CANOPY.

9. DO NOT REMOVE BRANCHES THAT ARE NEAR THE MAIN TRUNK OR COVER LIMBS TO RAISE THE CANOPY. DOUBLE LEAVES AND THOSE THAT EXCESSIVELY EXTEND BEYOND THE NATURAL CROWN OF THE TREE.

10. DO NOT REMOVE BRANCHES THAT PROVIDE PEED FEEDING AND INVIGORATION OF EXISTING TREES. THIS SHALL BE ORGANIC BASED NUTRIENTS BASED FOR ROOT GROWTH AND LEAF GROWTH.

11. CONTRACTOR SHALL BE REQUIRED TO CHIP ALL REMOVED BRANCHES, LEAFS, ETC.

1102

