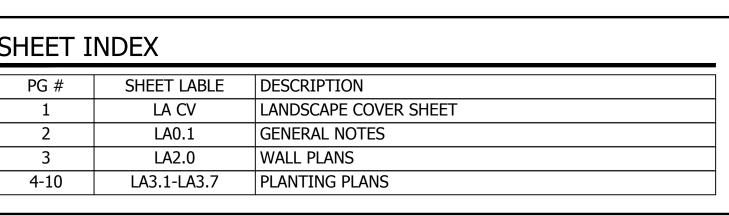


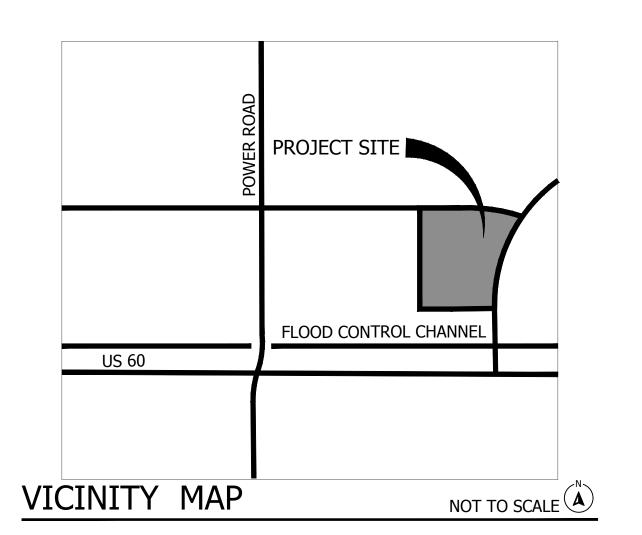
# LANDSCAPE IMPROVEMENT PLANS

# HAMPTON AND CLEARVIEW APARTMENTS

MESA, AZ

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DESCRIPTION:	QUANTITY:	
LANDSCAPE AREA	227,759 S.F.	
	REQUIRED:	PROVIDE:
TREES AT STREETSCAPE	28	28
SHRUBS AT STREETSCAPE	168	168
TREES AT PARKING	100	100
SHRUBS AT PARKING	300	300
TREES AT FOUNDATION BASE	41	41
SHRUBS AT FOUNDATION BASE	123	123
% OF LANDSCAPE COVERAGE OPEN SPACE	50%	50%

- 1. A MINIMUM OF 1 TREE AND 6 SHRUBS PER 25 LINEAR FEET OF STREET FRONTAGE WILL BE PROVIDED PER SECTION 11-33-3.A OF THE MZO.
- 2. A MINIMUM OF 1 TREE AND 3 SHRUBS PER 15 FOOT FOOT PARKING ISLAND WILL BE PROVIDED PER SECTION 11-33-4.D OF THE MZO.
- 3. A MINIMUM OF 25% OF THE TOTAL NUMBER OF PERIMETER TREES SHALL BE 36" BOX
- OR LARGER PER SECTION 11-33-3.A.6 OF THE MZO.
- 4. A MINIMUM OF 10% OF THE TOTAL NUMBER OF FOUNDATION BASE TREES SHALL BE 36" BOX OR LARGER PER SECTION 11-33-5.B.2 OF THE MZO.

KEY MAP NOT TO SCALE

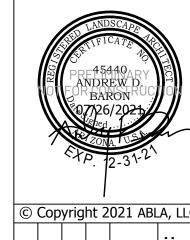
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# **POOL PROJECT NOTES:**

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBMITTALS AND PERMITS. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL CITY, COUNTY,
- STATE AND FEDERAL STANDARDS AND CODES. THE CONTRACTOR SHALL IDENTIFY ANY POSSIBLE VARIANCES TO ALL APPLICABLE STANDARDS AND CODES AND SHALL SUBMIT THE NECESSARY APPLICATIONS TO THE
- APPROPRIATE DEPARTMENTS IN ACCORDANCE WITH THE PROJECT SCHEDULE 4. THE CONTRACTOR SHALL REVIEW POOL EQUIPMENT AND COORDINATE WITH REQUIRED UTILITY PROVIDERS PRIOR TO CONSTRUCTION.
- 5. THE CONTRACTOR SHALL REVIEW POOL EQUIPMENT LOCATION AND FACILITIES TO ENSURE APPROPRIATE SPACE AND CONDITIONS ARE PROVIDED.
- 6. THE CONTRACTOR SHALL LOCATE AND PROVIDE SIGNAGE AND SAFETY EQUIPMENT ACCORDING TO APPROPRIATE CODES.
- THE CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO THE PROPERTY OWNER'S AUTHORIZED REPRESENTATIVE FOR APPROVAL PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE ALL STRUCTURAL DRAWINGS ACCORDING TO APPROPRIATE CODES AND SOILS REPORTS TO THE PROPERTY OWNER'S AUTHORIZED REPRESENTATIVE FOR APPROVAL PRIOR TO CONSTRUCTION
- THE CONTRACTOR SHALL ENSURE THROUGH THEIR REVIEW THAT ALL NECESSARY SUPPORTING FACILITIES ARE PROVIDED IN ACCORDANCE TO APPROPRIATE CODES.
- 10. THE CONTRACTOR SHALL ENSURE PROPER DRAINAGE AWAY FROM THE POOL/WATER FEATURE IN COMPLIANCE WITH ALL APPLICABLE STANDARDS AND CODES AND THAT DRAINAGE DOES NOT IMPEDE OR CAUSE HARM TO OTHER BUILT FACILITIES.

# **GRADING PROJECT NOTES:**

- CONTRACTOR SHALL GRADE TO MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES AND MAINTAIN AND/OR CREATE DRAINAGE SPECIFIED ON THE PROJECT CIVIL ENGINEERS CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL KEEP DRAINAGE WAYS AND NATURAL FLOW CHANNELS SPECIFIED FREE FROM OBSTRUCTIONS THAT MAY IMPAIR
- FINISH GRADING SHALL BE BY THE DIRECTION OF THE LANDSCAPE ARCHITECT. ALL GRADING SHALL BE APPROVED BY OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO PLANTING.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY CALICHES ENCOUNTERED ON SITE AT NO ADDITIONAL COST TO THE OWNER
- 4. FINISH GRADE OF ALL PLANTING AREAS SHALL COMPLY WITH PART 3 OF THE PLANTING SPECIFICATIONS.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING A NATURAL UNDULATING GROUNDPLANE IN ALL PLANTING AREAS AT/PER THE DIRECTION OF THE LANDSCAPE ARCHITECT.

# **INERTS NOTES:**

### ANGULAR GRANITE RIP-RAP

- INSTALL GRANITE RIP-RAP IN ALL DRAINAGE SWALES, AND WHERE INDICATED ON PLANS. TYPICAL. SIZE OF RIP-RAP SHALL BE 3"-6", SIZED. COLOR OF GRANITE RIP-RAP TO MATCH EXISTING GRANITE. CONTRACTOR SHALL SUBMIT SAMPLES TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- DECOMPOSED GRANITE
- 1. DECOMPOSED GRANITE IS REQUIRED IN ALL PLANTING AREAS EXCEPT AREAS OF TURF AND GRANITE RIP-RAP.
- SURFACE ROCKS LARGER THAN 1" DIA. ARE TO BE REMOVED PRIOR TO SPREADING DECOMPOSED GRANITE. AFTER SPREADING DECOMPOSED GRANITE TO A NEAT, UNIFORM 2" LAYER, REMOVE ALL EXISTING CALICHE ROCKS THAT SHOW THROUGH. SUPPLY ADEQUATE SIZE SAMPLE TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO ORDERING.

# **GENERAL PROJECT NOTES:**

- THESE NOTES ARE TO BE USED AS A GENERAL REFERENCE IN CONJUNCTION WITH AND AS A SUPPLEMENT TO WRITTEN SPECIFICATIONS, APPROVED ADDENDUMS, AND CHANGE ORDERS ASSOCIATED WITH THIS DOCUMENT SET
- 2. ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS (THIS DOCUMENT SET) AND PER LOCAL OR STATE GOVERNING CODES AND/OR ORDINANCES, WHICHEVER IS APPLICABLE.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL REVIEW THE PROJECT WITH THE LANDSCAPE ARCHITECT AND/OR THE OWNER'S AUTHORIZED REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE TO BECOME FAMILIAR WITH THE PROJECT SITE AND LOCATIONS OF EXISTING AND FUTURE UNDERGROUND SERVICES AND IMPROVEMENTS WHICH MAY CONFLICT WITH THE WORK TO BE DONE. THE CONTRACTOR SHALL UTILIZE AN UNDERGROUND UTILITY COORDINATION SERVICE TO MARK EXISTING UTILITIES 48 HOURS PRIOR TO START OF CONSTRUCTION. NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE IMMEDIATELY SHOULD ANY CONFLICT ARISE.
- 5. THE CONTRACTOR SHALL PROVIDE MATERIALS OR EQUIPMENT AND PERFORM REQUIRED INCIDENTAL PROCEDURES THAT MAY BE NECESSARY TO COMPLETE THE PROJECT TO SATISFACTORY CONDITION AS DIRECTED BY THE DESIGN INTENT OF THIS DOCUMENT SET AND THEREFORE SHALL MEET MINIMUM CONSTRUCTION REQUIREMENTS AND INDUSTRY STANDARDS NOTWITHSTANDING MENTION OR REFERENCE IN THIS DOCUMENT SET.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS AND SHALL NOTIFY ALL UTILITY COMPANIES WITH UTILITIES ON SITE PRIOR TO THE CONSTRUCTION OF THE PROJECT.
- INTERPRETATION OF THIS DOCUMENT SET IN ITS ENTIRETY SHALL BE MADE BY THE LANDSCAPE ARCHITECT OF RECORD AND SHALL BE CONSIDERED FINAL. DISCREPANCIES SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR PRIOR TO SUBMITTING FORMAL BIDS. ALL CLARIFICATIONS SHALL BE PREPARED IN WRITING BY THE LANDSCAPE ARCHITECT OF RECORD PRIOR TO BIDDING. THE CONTRACTOR SHALL ACCEPT THE INTERPRETATION OF THE LANDSCAPE ARCHITECT OF RECORD AS THE CORRECT AND FINAL **INTERPRETATION**
- 8. THIS DOCUMENT SET, INCLUDING ALL PLAN SHEETS, NOTES, DETAILS AND SPECIFICATIONS SHALL BE UTILIZED BY THE CONTRACTOR PERFORMING INSTALLATION AS GENERAL GUIDELINES FOR THE PROJECT DESIGN INTENT. QUANTITIES SHOWN IN THIS DOCUMENT SET ARE ESTIMATES ONLY AND ARE NOT THEREFORE GUARANTEED; THE CONTRACTOR SHALL SUPPLY ALL MATERIALS, LABOR AND EQUIPMENT IN ORDER COMPLETE PROJECT AS SPECIFIED IN THESE DOCUMENTS.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT AND/OR THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO THE START OF WORK.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND COORDINATING EXISTING SITE CONDITIONS.
- 11. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONARY MEASURES TO PROTECT EXISTING IMPROVEMENTS AND THE PUBLIC FROM DAMAGE THROUGHOUT THE CONSTRUCTION PROCESS
- 12. SHOULD THE CONTRACTOR HAVE ANY QUESTIONS REGARDING THIS DOCUMENT SET OR SHOULD THERE BE ANY DISCREPANCIES, THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING.
- 13. CONTRACTOR SHALL PROPERLY COORDINATE WORK TO BE PERFORMED WITH OTHER CONTRACTOR'S WORK PRIOR TO INSTALLATION.
- 14. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGES IMPOSED, UNINTENTIONALLY OR ACCIDENTALLY TO EXISTING UTILITIES, STRUCTURES, WALLS, OR OTHER AMENITIES, DUE TO THE ACTION OF THE CONTRACTOR, CONTRACTOR'S EMPLOYEES AND/OR THE CONTRACTOR'S SUBCONTRACTORS. DAMAGE INCURRED DURING THE CONTRACTOR'S OPERATION SHALL BE REPAIRED, AT THE EXPENSE OF THE CONTRACTOR, TO THE SATISFACTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE
- 15. EXISTING SITE CONDITIONS AND THE DOCUMENT SET BASE INFORMATION HAVE BEEN PROVIDED BY THE PROJECT CIVIL ENGINEER.
- 16. CONTRACTOR SHALL MATCH GRADES, LAYOUT AND ELEVATIONS OF ADJOINING LANDSCAPE WORK BY OTHERS. NOTIFY THE LANDSCAPE ARCHITECT OF CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE BARRICADES AND TRAFFIC CONTROL ALONG PUBLIC STREETS, IF REQUIRED, DURING INSTALLATION AND SHALL BE RESPONSIBLE FOR SECURING APPROVAL AND PERMIT FOR THE PROCESS.

# HARDSCAPE GENERAL NOTES:

- CONTRACTOR SHALL LAYOUT AND VERIFY ALL HARDSCAPE ELEMENTS PRIOR TO CONSTRUCTION FOR REVIEW BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE SHOULD ANY DISCREPANCIES EXIST. THE CONTRACTOR SHALL SUBMIT IN WRITING SUGGESTED MODIFICATION AND RECEIVE TRANSMITTED RECORD OF APPROVAL FROM OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- DIMENSIONS SHOWN ON THIS PLAN ARE BASED ON THE DOCUMENTS SUBMITTED BY THE PROJECT CIVIL ENGINEER. THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE SHOULD ANY DISCREPANCIES OCCUR. THE CONTRACTOR SHALL SUBMIT IN WRITING SUGGESTED MODIFICATION AND RECEIVE TRANSMITTED RECORD OF APPROVAL FROM OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY FIELD REVISIONS.
- REFER TO CONSTRUCTION DOCUMENTS PREPARED BY THE PROJECT CIVIL ENGINEER FOR ALL INFORMATION REGARDING HORIZONTAL AND VERTICAL CONTROL DIMENSIONS.
- CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ALL STRUCTURES REPRESENTED IN THE CONTRACT DOCUMENTS (THIS DOCUMENT SET) REVIEWED BY A REGISTERED STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION UNLESS OTHERWISE STATED.
- FOOTINGS, WALLS AND FENCES SHALL BE PLACED OUTSIDE OF THE PUBLIC RIGHT-OF-WAY. 6. CONTRACTOR SHALL HAVE SIDEWALKS SURVEYED AND STAKED FOR REVIEW BY THE
- LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT 48 HOURS IN ADVANCE FOR SITE REVIEW.
- UNLESS OTHERWISE NOTED IN THIS DOCUMENT SET OR NOTED IN DETAILS, SIDEWALKS SHALL BE 5'-0" IN WIDTH, 4" THICK, 2500 PSI CONCRETE ON COMPACTED BASE PER SITE SOILS REPORT WITH CONSTRUCTION JOINTS AT 5'-0" ON CENTER AND EXPANSION JOINTS AT 20'-0" ON CENTER. SIDEWALKS SHALL HAVE A MEDIUM BROOM, NON-SKID FINISH PERPENDICULAR TO DIRECTION OF TRAVEL WITH 1/2" RADIUS TOOLED EDGES.
- RADIUS AT SIDEWALK INTERSECTIONS SHALL BE 5'-0" (TYPICAL), UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PREPARE A 4'X4' SAMPLE PANEL FOR EACH TYPE OF HARDSCAPE MATERIAL SPECIFIED IN THE CONTRACT DOCUMENTS (THIS DOCUMENT SET) FOR APPROVAL BY THE LANDSCAPE ARCHITECT AND OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO CONSTRUCTION.
- 10. CONTRACTOR IS RESPONSIBLE FOR REMOVING STAINS AND SPILLS ON FINISHED HARDSCAPE IMMEDIATELY.
- 11. CONTRACTOR IS RESPONSIBLE FOR PROTECTING FINISHED WORK UNTIL PROJECT ACCEPTANCE BY OWNER/OWNER'S REPRESENTATIVE.

# PLANTING GENERAL NOTES:

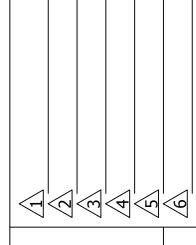
- CONTRACTOR SHALL REVIEW PLANTING PLAN WITH LANDSCAPE ARCHITECT PRIOR TO
- CONTRACTOR SHALL REVIEW SITE SOILS REPORT PRIOR TO PLANTING. WATER TEST ALL TREE PLANTING HOLES PRIOR TO PLANTING. IF TREE HOLE DOES NOT DRAIN, DO NOT PLANT, SEE HARDPAN DETAIL.
- PLANTING AND IRRIGATION DESIGN MAY BE MODIFIED TO ADAPT TO HARDSCAPE CONFIGURATIONS THAT DIFFER FROM THESE PLANS, OR BECAUSE OF GRADE LIMITATIONS ON SITE. SUBSTANTIAL DEVIATION FROM THIS DOCUMENT SET WILL REQUIRE REVIEW AND APPROVAL FROM OWNER'S AUTHORIZED REPRESENTATIVE
- LANDSCAPE ARCHITECT AND/OR OWNER'S AUTHORIZED REPRESENTATIVE RESERVE THE RIGHT TO REFUSE ANY PLANT MATERIALS DEEMED UNACCEPTABLE. SEE SPECIFICATIONS AND THIS DOCUMENT SET FOR MINIMUM REQUIREMENTS.
- THE CONTRACTOR SHALL SUBMIT IN WRITING REQUESTS FOR ANY AND ALL SUBSTITUTIONS TO BE APPROVED BY THE LANDSCAPE ARCHITECT.
- 6. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
- ALL PLANT MATERIAL SHALL BE IN COMPLIANCE WITH THE AMERICAN STANDARDS FOR
- NURSERY STOCK, LATEST EDITION AND STANDARDIZED PLANT NAMES, LATEST EDITION 8. PLANT MATERIAL MARKED 'SALVAGE' SHALL BE SELECTED FROM FROM ON-SITE SALVAGE INVENTORY OR LOCATED BY THE LANDSCAPE ARCHITECT FROM ANOTHER SOURCE. ALL MATERIAL SELECTIONS SHALL BE APPROVED BY LANDSCAPE ARCHITECT AND/OR OWNER'S AUTHORIZED REPRESENTATIVE.
- 9. FINAL LOCATION OF PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE.
- 10. ALL SPECIMEN TREES, SHRUBS AND CACTI SHALL BE FIELD LOCATED BY LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE.
- 11. LOCATE PLANTS AWAY FROM SPRINKLER HEADS, LIGHT FIXTURES AND OTHER OBSTRUCTIONS. CONTRACTOR SHALL OBSERVE MINIMUM OFFSETS FROM THE FOLLOWING STRUCTURES; TREES SHALL BE PLANTED A MINIMUM OF 10'-0" FROM STREET LIGHTS (MEASURED FROM MATERIAL MATURITY), 6'-0" FROM EDGE OF UNDERGROUND PIPELINES AND A MINIMUM OF 4'-0" FROM HARDSCAPE, CURBS AND WALLS (MEASURED FROM CENTER OF PLANT MATERIAL). SHRUBS SHALL BE PLANTED A MINIMUM OF 2'-0" FROM CURB AND WALKS AND 3'-0" FROM FIRE SUPPRESSION DEVICES (MEASURED FROM MATERIAL MATURITY). LOCAL OR STATE GOVERNING CODES AND/OR ORDINANCES SHALL SUPERCEDE SPECIFIED DISTANCES SO LONG AS THEY SURPASS STATED REQUIREMENTS.
- 12. CONTRACTOR SHALL INSTALL "NDS EP SERIES" (OR APPROVED EQUAL) AT ALL TREES WITHIN 5'-0" FEET OF HARDSCAPE ELEMENTS INCLUDING (BUT NOT LIMITED TO) SIDEWALKS, ASPHALT, CONCRETE SLABS / FOOTINGS AND STRUCTURES. CONTRACTOR SHALL SUBMIT SPECIFICATION SHEETS OF PROPOSED ROOT BARRIER PANELS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION
- 13. THE CONTRACTOR SHALL INSTALL ARBOR GUARDS AT ALL TREES LOCATED IN TURF AREAS. 14. ON-SITE AND OFF-SITE TOPSOIL SHALL CONFORM TO CONTENT REQUIREMENTS AS SPECIFIED IN PART 2 OF THE PLANTING SPECIFICATIONS. AGRONOMY TEST SUBMITTALS ARE REQUIRED FOR ALL MATERIAL USED FOR TOPSOIL AND BACKFILL. SUBMIT REPORT TO LANDSCAPE ARCHITECT FOR REVIEW.
- 15. CACTI SHALL BE PLANTED A MINIMUM OF 3'-0" AWAY FROM ALL PEDESTRIAN ROUTES.
- 16. CACTI SHALL BE WELL ROOTED AND NON-SCARRED
- 17. ALL TREE STAKING SHALL CONFORM TO THE PLANTING DETAILS OR AS NOTED IN THE SPECIFICATIONS. THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE SHALL REVIEW TYPICAL TREE STAKING PRIOR TO FINAL ACCEPTANCE
- 20. CONTRACTOR SHALL INSTALL ANGULAR GRANITE RIP-RAP IN ALL DRAINAGE SWALES, AND WHERE INDICATED ON PLANS. REFER TO MATERIALS SCHEDULE / PLANTING LEGEND FOR COLOR AND SIZE OF ANGULAR GRANITE RIP-RAP. CONTRACTOR SHALL SUBMIT SAMPLES TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. CONTRACTOR SHALL REFER TO CIVIL PLANS FOR ADDITIONAL INFORMATION.
- 21. DECOMPOSED GRANITE IS REQUIRED IN ALL PLANTING AREAS EXCEPT AREAS OF TURF AND ANGULAR GRANITE RIP-RAP AND SHALL EXTEND UNDER PLANT MATERIAL UNLESS NOTED OTHERWISE ON PLANS. ALL PLANTING AREAS SHALL RECEIVE A 2" MINIMUM LAYER OF DECOMPOSED GRANITE THROUGHOUT. REFER TO MATERIALS SCHEDULE / PLANTING LEGEND FOR SIZE AND COLOR OF DECOMPOSED GRANITE. CONTRACTOR SHALL SUBMIT SAMPLES TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- 22. THE CONTRACTOR SHALL PROVIDE MAINTENANCE FOR ALL PLANT MATERIAL FROM THE TIME OF INSTALLATION THROUGH SUBSTANTIAL COMPLETION.
- 23. PLANT MATERIAL SHALL NOT BE INSTALLED OR ALLOWED TO GROW TO WITHIN 3'-0" OF A FIRE HYDRANT OR FIRE DEPARTMENT CONNECTION (FDC). MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 15'-0" WHERE TREES OVERHANG THE CURB LINE. TREES SHALL BE PLANTED A MINIMUM OF 5'-0" FROM ANY STRUCTURE UNLESS OTHERWISE NOTED.
- 24. IN DISTURBED AREAS INDICATED TO RECEIVE REVEGETATION HYDROSEED AND/OR PLANTING, THE CONTRACTOR SHALL MATCH EXISTING NATURAL DESERT FLOOR GROUND COVER CONDITIONS ADJACENT TO THE PROJECT.
- 25. NATIVE REVEGETATION AREAS AND PLANTER BEDS NOTED IN THIS DOCUMENT SET SHALL BE TREATED WITH PRE-EMERGENT AS PER MANUFACTURER'S INSTRUCTIONS. RE-APPLY AS NECESSARY TO ELIMINATE INVASIVE WEEDS. REMOVE ALL DEAD DEBRIS
- 26. THE CONTRACTOR SHALL PROVIDE A 50'-0" BY 50'-0" TYPICAL MOCKUP OF NATIVE REVEGETATION AREAS NOTED IN THIS DOCUMENT SET FOR REVIEW BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE.

### **IRRIGATION GENERAL NOTES:**

- THE CONTRACTOR SHALL INSTALL THE SPECIFIED SYSTEM IN ACCORDANCE WITH THE ATTACHED SCHEDULES, NOTES, DETAILS, AND SPECIFICATIONS
- CONTRACTOR TO VERIFY PRESSURE ON-SITE AND NOTIFY LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO INSTALLATION OR ORDERING OF MATERIALS. IF CONTRACTOR FAILS TO NOTIFY THE PROPER PARTY, THE CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR ALL NECESSARY SYSTEM ALTERATIONS REQUIRED TO FACILITATE AN EFFICIENT AND OPERATIONAL SYSTEM. THIS IRRIGATION SYSTEM REQUIRES A MINIMUM OF XX TO XX PSI WATER PRESSURE AT WATER
- THE CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING ON PROJECT TO VERIFY INSTALLATION CONDITIONS
- 4. THE CONTRACTOR SHALL FIELD VERIFY EXISTING TAP LOCATIONS. ALL NEW METERS SHALL BE INSTALLED PER THE IRRIGATION SCHEDULE.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL IRRIGATION COVERAGE OF ALL PLANT MATERIAL INCLUDING TURF
- WORK SHALL CONFORM TO ALL CONSTRUCTION CODES AND REGULATIONS.
- 7. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL CONTACT AN UNDERGROUND UTILITY COORDINATION SERVICE TO VERIFY LOCATIONS AND DEPTHS OF EXISTING UTILITIES THAT MAY BE AFFECTED BY DESCRIBED WORK, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO SUCH UTILITIES CAUSED AS A RESULT OF THE IRRIGATION INSTALLATION.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPENSATING THE OWNER AND/OR THE OWNER'S REPRESENTATIVE FOR ANY DESIGN CHANGES MADE AS A RESULT OF DEVIATION BY THE CONTRACTOR FROM THE PLANS AND SPECIFICATIONS OR DUE TO ERRORS, FAULTY MATERIAL OR FAULTY WORKMANSHIP.
- 9. ALL VALVES SHALL NOT EXCEED MANUFACTURES SPECIFICATIONS.
- 10. SUPPLY THE FOLLOWING MATERIAL TO THE OWNER:
- 10.1. TWO WRENCHES FOR DISASSEMBLY AND ADJUSTING OF EACH TYPE OF SPRINKLER HEAD AND VALVE SUPPLIED.
- TWO KEYS FOR EACH OF THE CONTROLLERS.
- TWO COUPLERS WITH MATCHING HOSE BIBBS AND SHUT-OFF VALVE. TWO VALVE BOX KEYS.
- 11. INSTALL PVC MAINLINE AND LATERALS ACCORDING TO THE IRRIGATION AND PIPING SCHEDULES.
- 12. VALVE BOXES SHALL BE SQUARE TO ADJACENT WALKS OR CURBS AND FLUSH WITH THE FINAL GRADE AND GROUPED TOGETHER WHEN POSSIBLE
- 13. CONTRACTOR SHALL INSTALL TAN VALVE BOXES IN DECOMPOSED GRANITE FOR POTABLE WATER SYSTEMS. INSTALL AND MARK PURPLE VALVE BOXES FOR RECLAIMED WATER
- 14. VALVE BOXES TO BE BRANDED WITH CONTROLLER AND STATION NUMBER.
- 15. INSTALL ALL MAINLINES WITH A MINIMUM OF 18" OF COVER
- 16. INSTALL ALL LATERALS WITH A MINIMUM OF 12" OF COVER.
- 17. ALL PIPE TO BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS AND ASTM STANDARD D 2774.
- 18. FLUSHING OF ALL LINES PRIOR TO INSTALLATION OF SPRINKLERS AND EMITTERS IS
- 19. INSTALL ALL SPRINKLERS, EMITTERS, AND RELATED MATERIAL PER IRRIGATION SYSTEM SPECIFICATIONS AND DETAILS.
- 20. CONTROLLER TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS. CONTROLLER SIZE AND QUANTITIES TO BE DETERMINED BY THE VALVE REQUIREMENTS AND POINT OF CONNECTIONS. INSTALL ONE (1) CONTROLLER AT EACH POINT OF CONNECTION
- 21. ALL ELECTRICAL CONNECTIONS SHALL BE MADE AT THE REMOTE CONTROL VALVE BOXES, CONTROLLER ENCLOSURES AND VALVE BOXES SPECIFICALLY FOR ELECTRICAL CONNECTIONS.
- 22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL WIRING FROM THE CIRCUIT BREAKER AT THE 120 VOLT SOURCE LOCATION TO AUTOMATIC CONTROLLER.
- 23. CONTROLLER WIRES THAT ARE DIRECT BURIED SHALL BE #14 OR BETTER, BUNDLED OR WRAPPED A MINIMUM OF EVERY TWELVE (12') FEET. DURING INSTALLATION WIRES SHALL HAVE A 24" LOOP TIED IN ALL DIRECTION CHANGES GREATER THAT 30 DEGREES AND BE UNTIED PRIOR TO TRENCH FILL IN.
- 24. INSTALL ALL VALVE WIRING IN MAINLINE TRENCH AS DETAILED
- 25. INSTALL ALL MAINLINE GATE VALVES IN A ROUND PLASTIC VALVE BOX PER DETAILS. 26. THE MAINLINE, LATERAL PIPE, AND VALVES ARE SHOWN SCHEMATICALLY AND SHALL BE INSTALLED WITHIN THE LANDSCAPE AREA, ADJACENT TO HARDSCAPE WITHIN DESCRIBED LIMIT OF WORK.
- 27. ALL MAINLINE PIPE SHALL BE A MINIMUM OF SCHEDULE 40.
- 28. ALL MAINLINE AND IRRIGATION EQUIPMENT SHALL BE PLACED IN THE LANDSCAPED AREAS. 29. SLEEVES SHALL BE A MINIMUM OF TWO TIMES THE DIAMETER OF THE LINE SIZE AND
- INSTALLED AS SCHEDULE 40 PVC MINIMUM.
- 30. ALL PVC SOLVENT WELD FITTINGS SHALL BE LASCO OR APPROVED EQUAL.
- 31. FLUSH CAPS SHALL BE PLACED IN A VALVE BOX AT THE END OF ALL LATERALS. 32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF ASPHALT AND CONCRETE AS REQUIRED FOR SLEEVE INSTALLATION ACCORDING TO THE IRRIGATION SCHEDULE.
- 33. ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. USE LIQUID TEFLON ON METAL PIPE THREADS ONLY.
- 34. INSTALL ALL ELECTRICAL JOINTS WITH 3-M WATERPROOF CONNECTORS. 35. ALL 120 VOLT VOLT POWER WIRE TO BE INSTALLED PER LOCAL CODE.
- 36. INSTALL ALL REMOTE CONTROL VALVES AT HEIGHT INDICATED ON DETAILS, AS HIGH AS POSSIBLE BUT ALLOWING CLEARANCE BETWEEN VALVE BOX LID AND FLOW CONTROL HANDLE ON REMOTE CONTROL VALVE.
- 37. ALL VALVES, PRESSURE REGULATORS AND OTHER DEVICES SHALL BE PLACED IN AN APPROPRIATELY SIZED VALVE BOX WITH A MINIMUM OF TWO (2") INCHES OF PEA GRAVEL. 38. ALL PIPE CROSSINGS IN THE RIGHT-OF-WAY SHALL BE MARKED ON EACH SIDE OF THE
- CURB WITH A NON-DESTRUCTIBLE MARKING. 39. ALL BACKFLOW PREVENTION DEVICES SHALL HAVE A MINIMUM 24"x36"x4" CLASS B CONCRETE SLAB WITH PIPE SLEEVES. IF A SECURITY CAGE IS INSTALLED, CONCRETE
- SHALL BE SIX (6") INCHES LARGER ON ALL SIDES THAN THE SECURITY CAGE. 40. BACKFLOW DEVICES SHALL BE A MINIMUM OF TWO (2') FEET FROM THE WATER METER
- 41. AFTER INITIAL TESTING, ALL BACKFLOW DEVICES SHALL BE TESTED ANNUALLY.

AND BE THE SAME SIZE AS THE METER SERVICE LINE

42. PRIOR TO PLACING ANY IRRIGATION SYSTEM IN SERVICE, AN ARIZONA/NEVADA CERTIFIED BACKFLOW DEVICE TESTER SHALL TEST THE BACKFLOW PREVENTION DEVICE AND GIVE A COPY OF THE PASSED TEST RESULTS TO THE PROPER GOVERNING AGENCIES.



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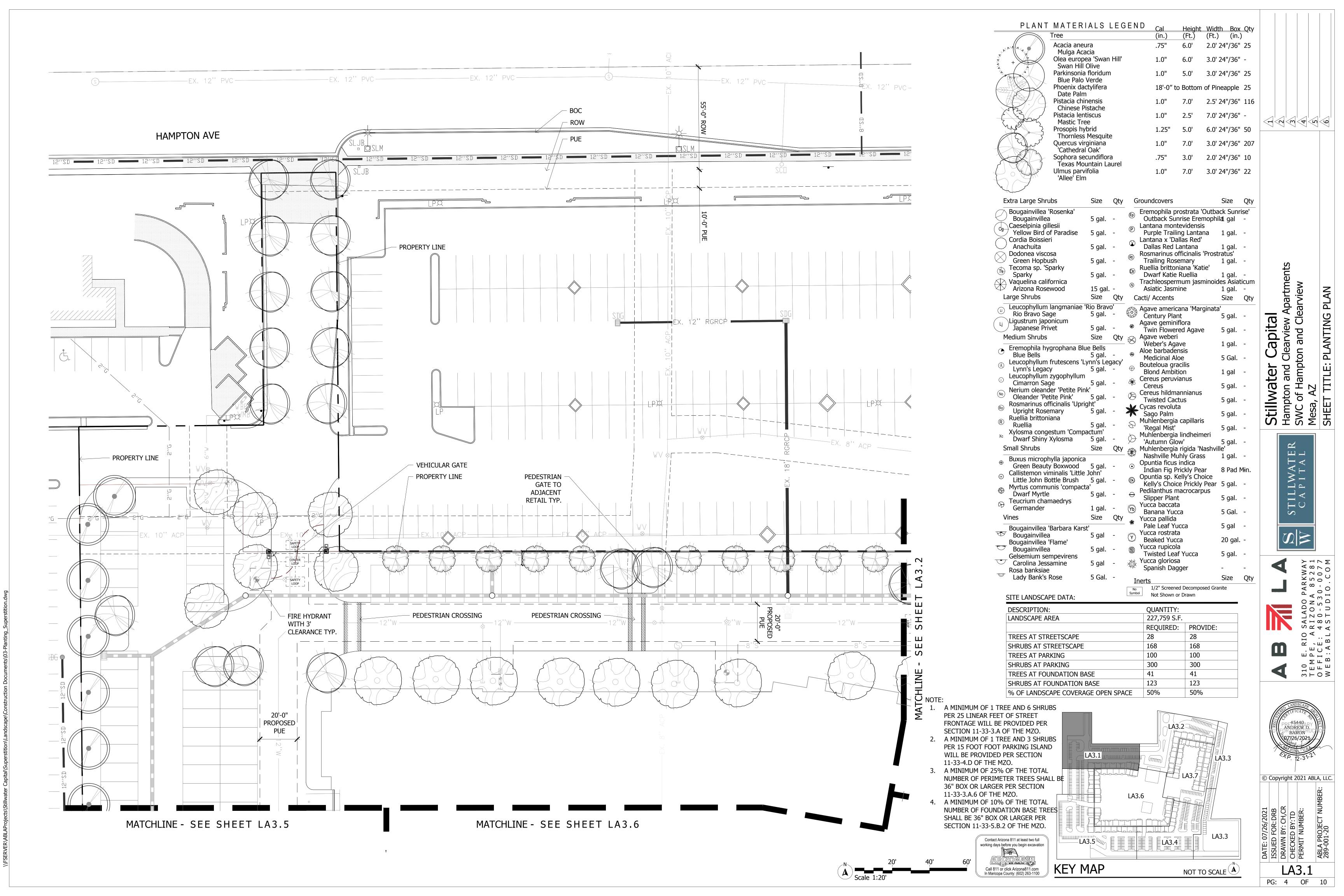


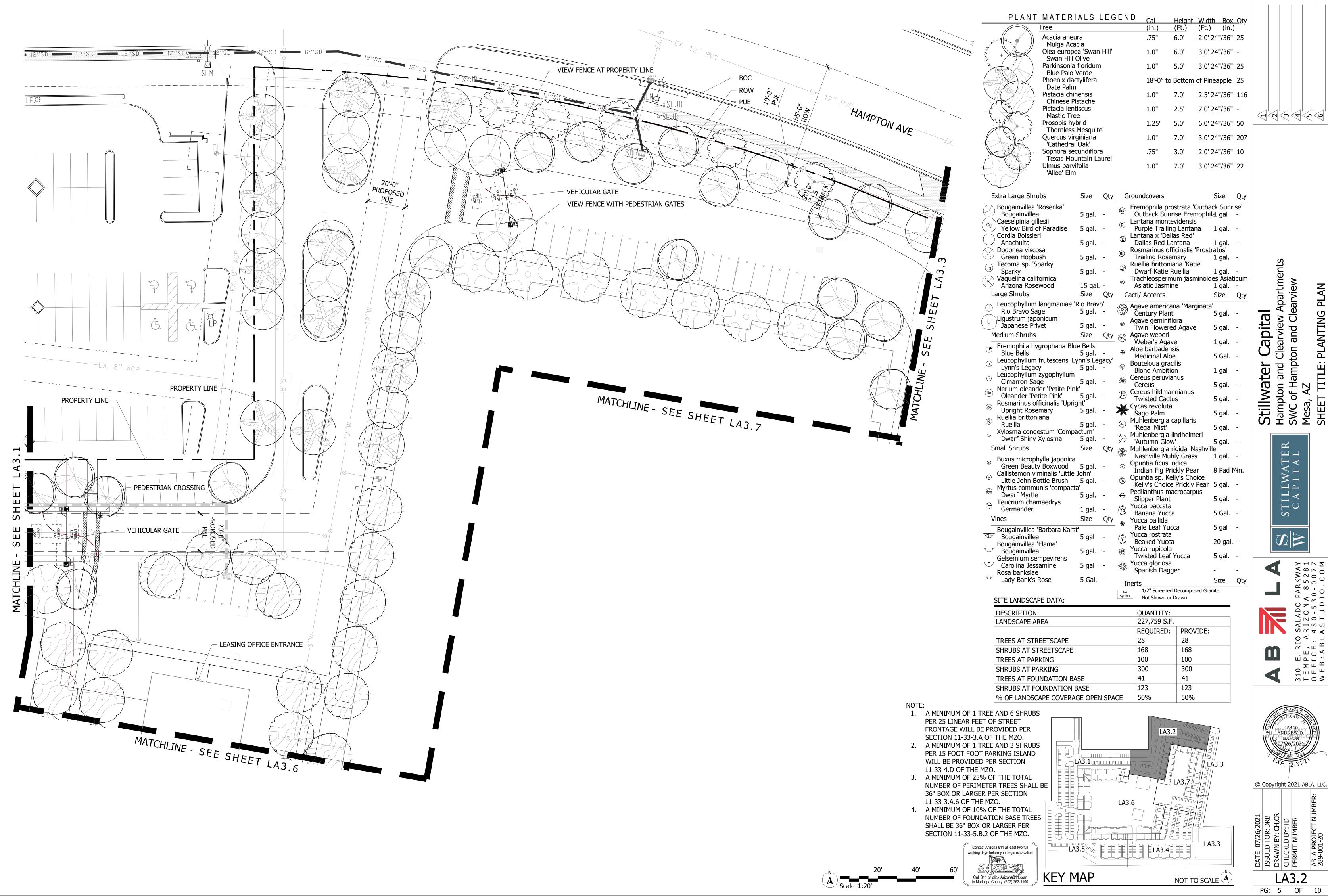


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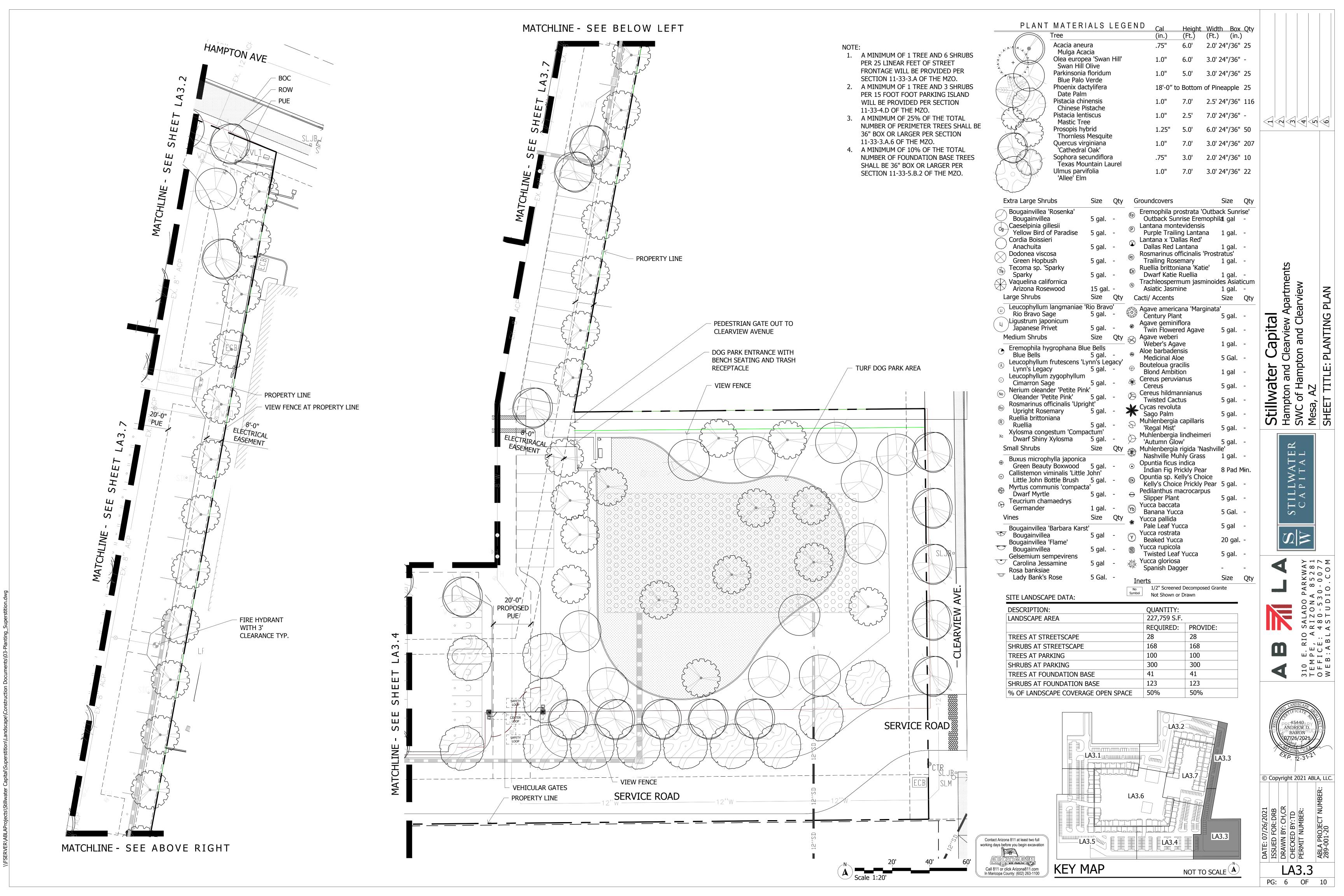


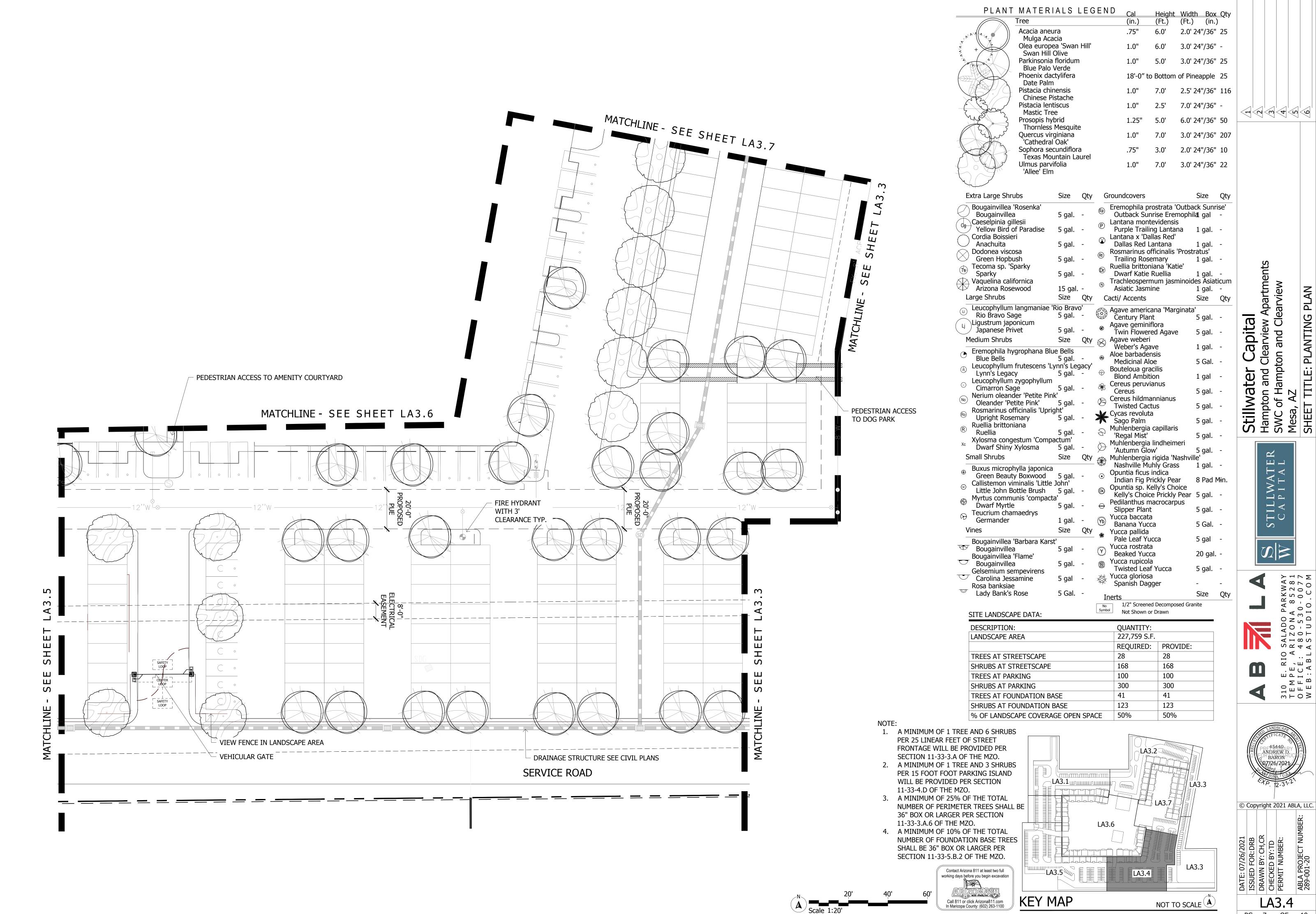
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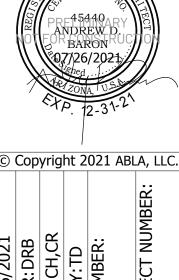




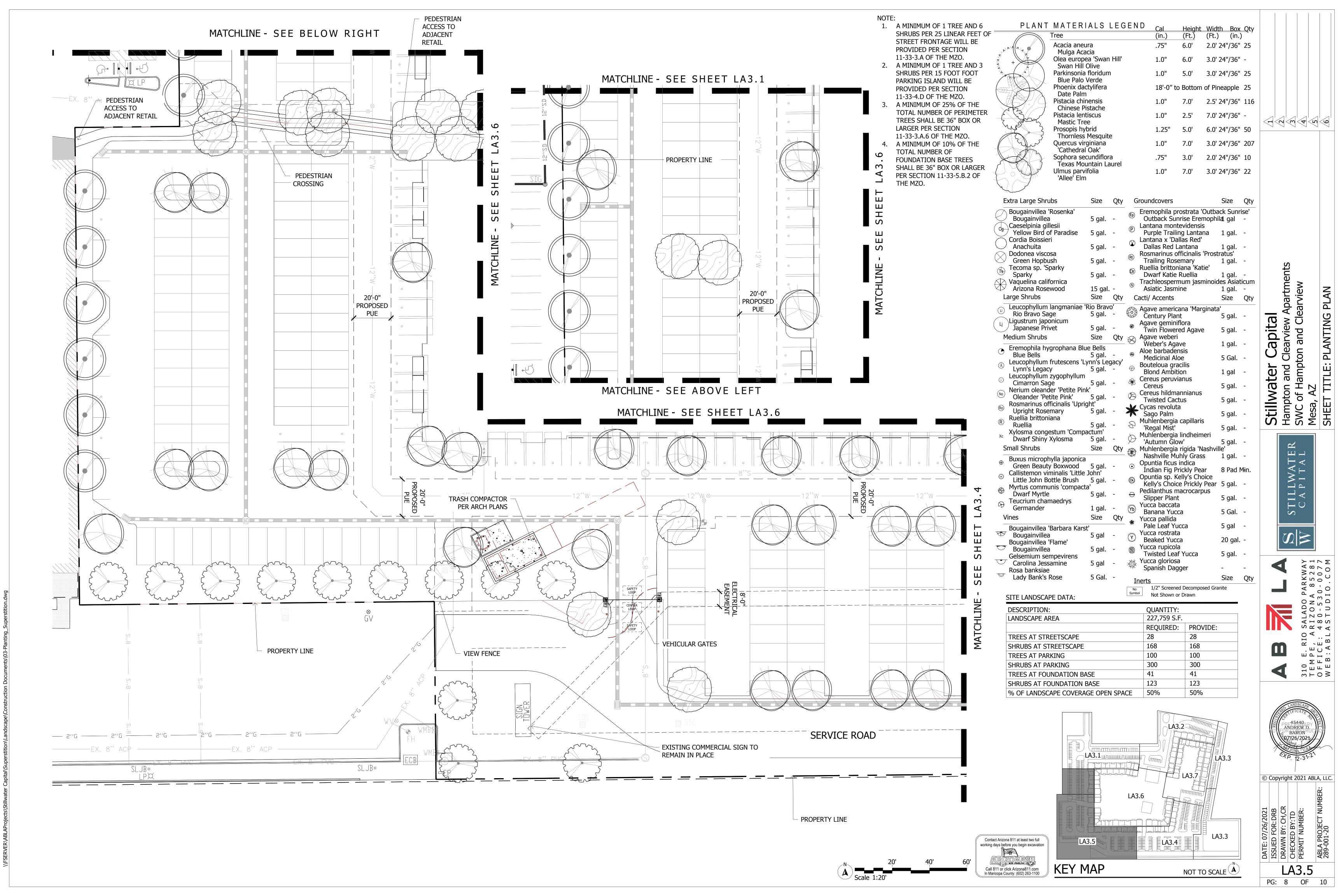
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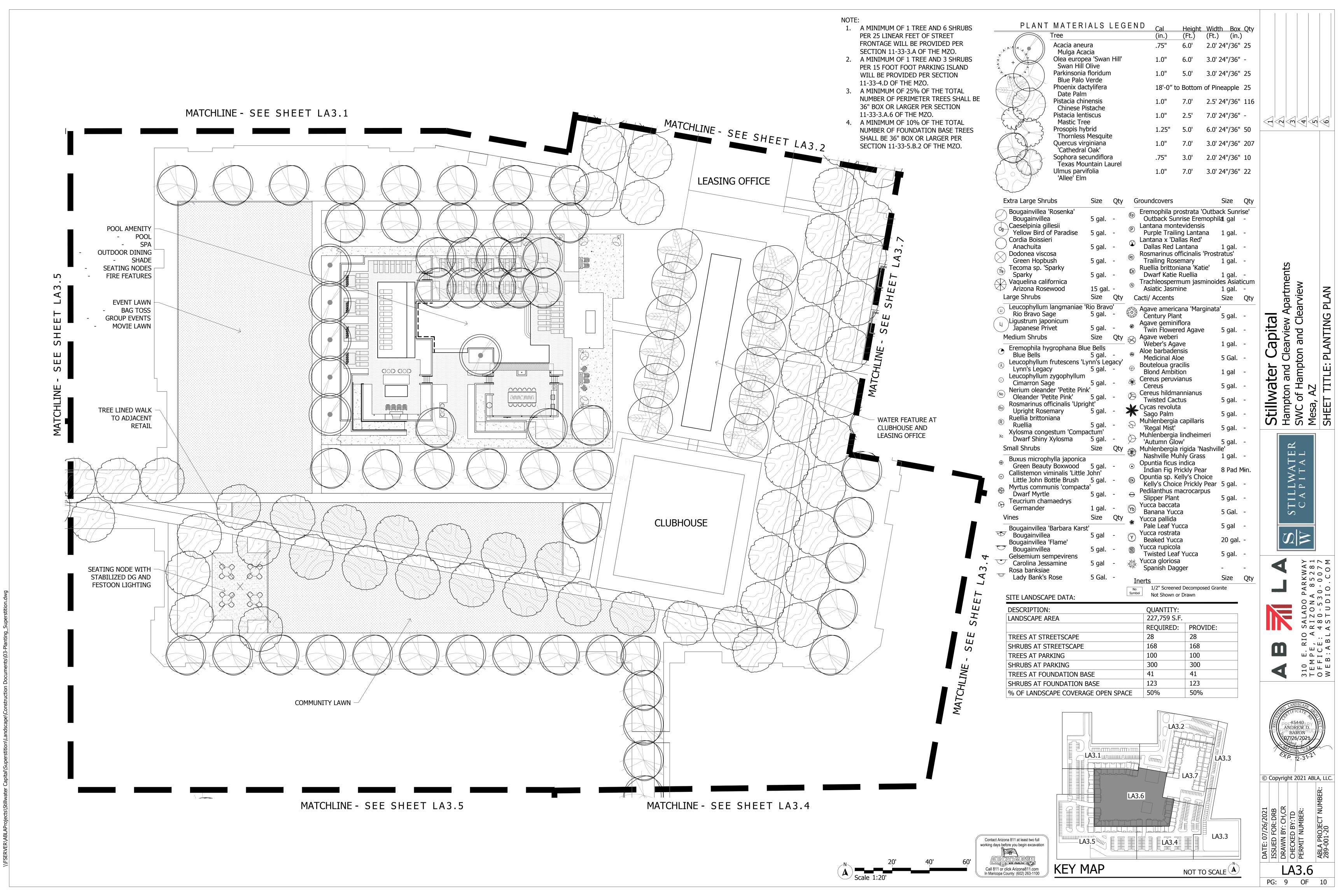
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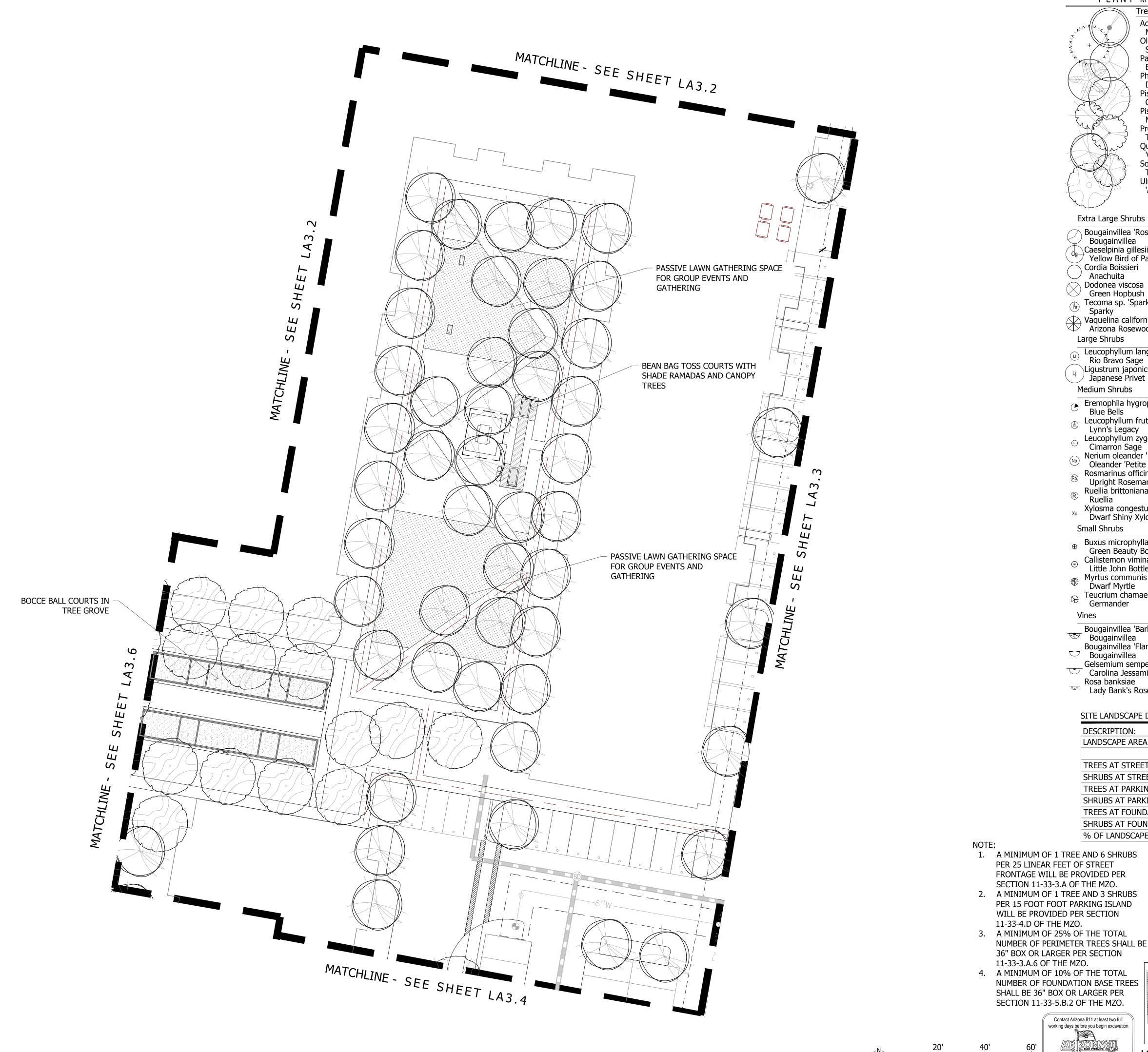
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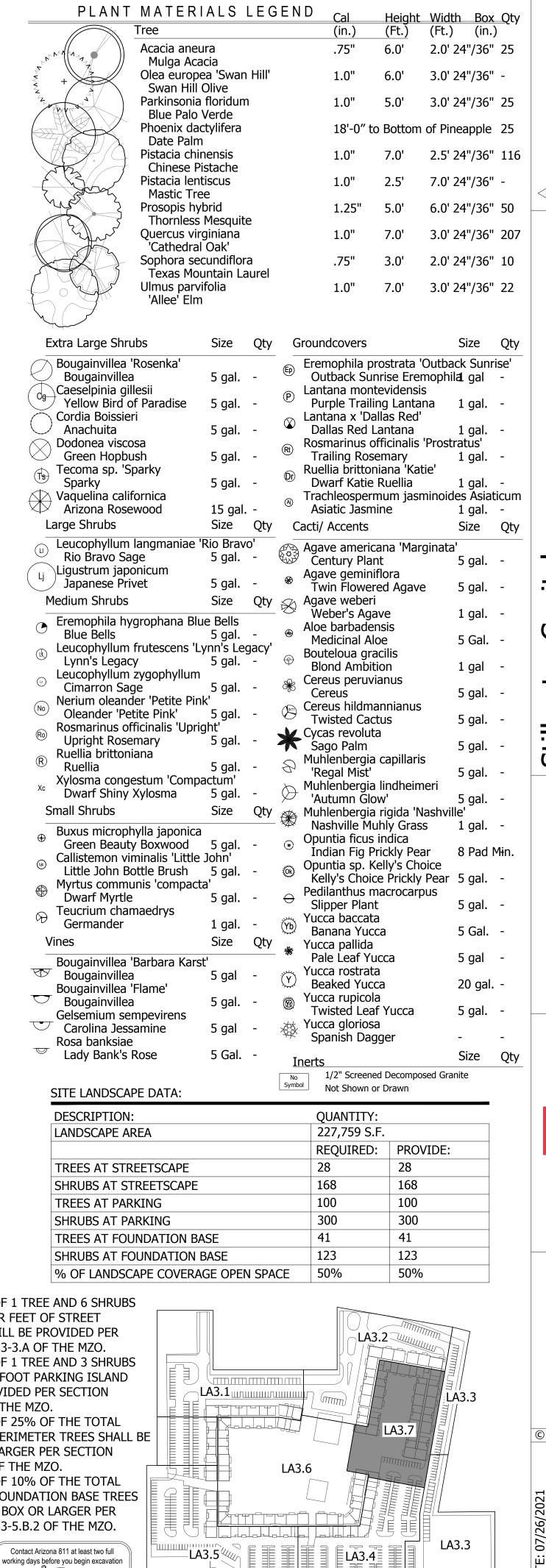


PG: 7 OF 10









KEY MAP

Call 811 or click Arizona811.com In Maricopa County: (602) 263-1100

Scale 1:20'

(1) (M) (4) (Q) (9)

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> 8KW 52 00 SALADO PARE SIZONA 85 80-530-0 STUDIO.

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