

C2 TACTICAL MESA

LANDSCAPE ARCHITECTURE PACKAGE

CONSTRUCTION, PLANTING, AND IRRIGATION

PROJECT TEAM

CLIENT

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LANDSCAPE ARCHITECT

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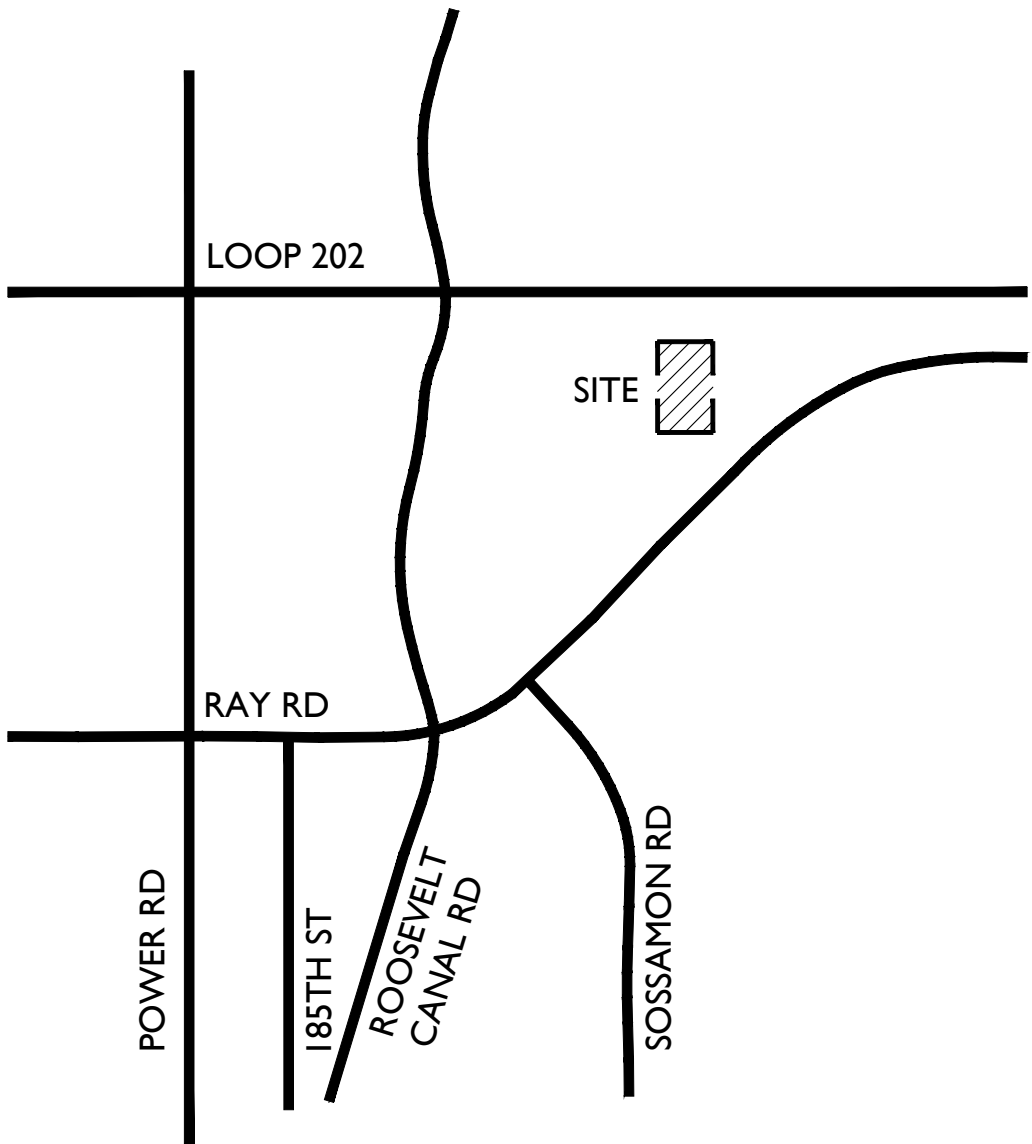
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L 1.0 - COVER SHEET

L 1.1 - NOTES

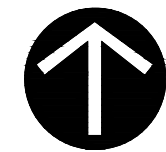
L 2.0 - LANDSCAPE PLAN

L 3.0 - PLANTING DETAILS



VICINITY MAP

NOT TO SCALE



NORTH

CITY OF MESA NOTES

(REVISED 02-12-13)

- Landscape contractor shall confirm location of all underground utilities prior to any excavation and shall be responsible for the following:
 - Damages to such utilities caused as a result of the contractor's activities.
 - Damages to existing walks, walls, drives, curbs, etc.
 - Inspecting the site in order to be fully aware of existing conditions prior to submitting a bid.
- Installation of all landscape and irrigation materials shall comply with sections 424, 425, 757, and 795 of the MAG standard specifications as amended by the City of Mesa in the current edition of the Mesa Engineering Procedures Manual, Landscape & Irrigation Standards.
- Contractor shall repair any damage made to the existing sprinkler system to the satisfaction of the city at no additional cost to the city.
- Landscape removal is a non-pay item unless otherwise noted.
- All existing vegetation, weeds, debris, etc. Shall be removed from project area and disposed of properly off the site at the contractor's expense (scarify existing subgrade, minimum six (6) inches depth).
- Damage to turf shall be repaired by contractor, i.e., ruts filled with clean soil, compacted to match surrounding grades, excess soil, rock, etc. shall be removed to leave the site clean.
- All plant material, other than trees, shall conform to grading, type, etc. as set forth in the American Standard for Nursery Stock by the American Association of Nurserymen. All trees shall conform to the current Arizona Nursery Association Tree Specifications and MAG spec 795.7. Should any conflicts in the specifications occur, the Arizona Nursery Association's specifications shall prevail.
- City reserves the right to inspect shrubs and contained trees for condition of root balls. For any such inspections which may destroy rootball, contractor shall supply additional plant at no cost to city.
- Plant pits shall be inspected by city prior to planting by the contractor by requesting an inspection 48 hours in advance.
- Rough and fine grading to establish uniform smooth grade is included in this project.
- Soil test for fertility and additive recommendations (for turf and ornamentals) shall be completed by contractor to determine if additives are required. Contractor shall provide copy of soil test results for review and approval to engineering inspector at least seven (7) days prior to anticipated planting. After approval by the city, the contractor shall provide and incorporate any additives required prior to or at time of planting.
- Plant pit soil mixture shall consist of four and one-half parts natural fertile, friable soil and one part humus by volume, thoroughly mixed prior to backfilling in pits. Backfilling shall be in 6" lifts with each lift water settled without puddling.
- Contractor shall stake tree and shrub locations for 5-gallon plants and larger. Stakes shall be marked with plant name or plant legend item number from plans.
- All existing (gas, electric, water, etc.) covers and boxes shall remain uncovered. Contractor to adjust to final grade as necessary. Npi unless otherwise noted.
- The contractor shall install water meter provided by the City of Mesa. The contractor shall provide all materials including all appurtenances and labor necessary to install the complete automatic sprinkler system from the meter (water usage charges shall be paid by contractor until project final acceptance by City of Mesa). Contractor shall order meter from development services.
- The contractor shall be responsible for locating the underground sprinkler systems in advance of construction. The sprinkler system locations noted on plans are for reference only.
- Contractor to verify depth of all inlet structures and sprinkler systems prior to trenching for low-flow channel.
- Contractor to provide pumping within five (5) days after the notice to proceed is given as required to dry the area sufficiently to begin construction.
- Contractor shall arrange for sprinkler system shutdown during construction by contacting the engineering inspector.
- No rocks larger than 1" in diameter shall be allowed in the top six (6) inches of topsoil where turf establishment is specified. Rock removal as necessary is included in this project (npi).
- Where caliche is encountered in plant pits, depth and width of pit shall be increased

by one-third (1/3) over specification, and a liquid penetrator, "al-kaliche" or equal, shall be incorporated for each pit per manufacturer's recommendations.

22. Project record drawings for irrigation system:

- Maintain on site and separate from documents used for construction, one complete set of contract documents as project record documents. Keep documents current. Do not permanently cover work until as-built information is recorded.
- Record pipe and wiring network alterations. Record work which is installed differently than shown on the construction drawings. Record accurate reference dimensions, measured from at least two permanent reference points, of each irrigation system valve, each backflow prevention device, each controller or controller unit, each sleeve end, each stub-out for future pipe or wiring connections, and other irrigation components enclosed within a valve box.

23. For parks and retention basins: Contractor shall install decomposed granite to a rolled depth of two (2) inches. Decomposed granite shall be 1/2" minus with the color as specified on the plans. Pre-emergent herbicide shall be applied before and after placement of decomposed granite per the manufacturer's recommendations. Pre-emergent herbicide shall be surfan, dacthal, or approved equal. Not more than 8% of decomposed granite shall pass through a #200 mesh screen, 15% through a #40 mesh screen, 98% through a #4 mesh screen, and 100% shall pass through a 1/2" mesh screen. Sample to be provided for city review and approval.

24. For street landscape projects: Contractor shall install decomposed granite as follows:

- Decomposed granite ground cover shall be 1/2" size screened and washed.
- Place and roll to two (2) inch total depth over 85% compacted subgrade.
- Pre-emergent herbicide surfan, dacthal, or approved equal shall be applied before and after granite placement.
- Decomposed granite sample shall be provided in a rigid plastic container for city review and approval.

25. Restore all existing landscape irrigation systems, components and landscape areas impacted by any work under this contract. restore all existing irrigation and landscape in accordance with the landscape restoration notes indicated within these documents. at a minimum, all restoration shall be in accordance with m.a.g. specification 107.9 - protection and restoration of property and landscape. All restoration work shall be completed to the satisfaction of the City of Mesa engineer.

26. All restoration work shall be completed in accordance with the details provided.

27. Refer to landscape planting sheets and engineering drawings for additional restoration notes and required coordination.

28. Required trees shall be minimum size as specified in the Arizona Nursery Association "Recommended Tree Specification" latest edition.

29. All landscape material installed shall be maintained by owner/ or lessee in accordance with the approved landscape plans.

30. All trees and shrubs located in the line-of-sight will be maintained for a clear area between 3' to 7' and show line of sight on landscape plans.

31. Per Section 316.11.3 of the City of Mesa Engineering Design Standards Manual: There shall be a minimum of 5' of horizontal separation from base of tree trunk to outside of water main.

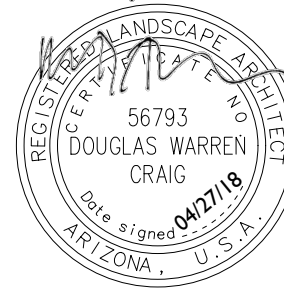
32. Backflow preventers 2" or larger shall be screened with landscape material located within a 6' radius of the backflow preventers. All backflow preventers less than 2" shall be placed in a wire mesh basket and painted green.

PLANT SCHEDULE

TREES	BOTANICAL NAME	CONT.	QTY	REMARKS
	Caesalpinia cacalaco Cascalote	24" BOX	2	
	Olneya tesota Desert Ironwood	24" BOX	10	
	Parkinsonia microphylla Foothill Palo Verde	24" BOX	13	
	Prosopis velutina Velvet Mesquite	24" BOX	17	
SHRUBS	BOTANICAL NAME	SIZE	QTY	REMARKS
	Buddleja marrubifolia Woolly Butterfly Bush	5 gal.	15	
	Calliandra eriophylla Fairy Duster	5 gal.	94	
	Encelia farinosa Brittle Bush	5 gal.	15	
	Ericameria laricifolia Turpentine Bush	5 gal.	33	
	Euphorbia antisiphillica Candelilla Euphorbia	5 gal.	73	
	Justicia californica Chuparosa	5 gal.	4	
	Leucophyllum langmaniae 'Lynn's Legacy' Barometerbush	5 gal.	31	
	Simmondsia chinensis Jojoba	5 gal.	88	
CACTI	BOTANICAL NAME	SIZE	QTY	REMARKS
	Agave desmettiana 'Variegata' Variegated Agave	5 gal.	11	
	Dasyliroon wheeleri Desert Spoon	5 gal.	10	
	Fouquieria splendens Ocotillo	5 gal.	4	
	Hesperaloe parviflora Red Yucca	5 gal.	65	
GROUND COVERS	BOTANICAL NAME	SIZE	QTY	REMARKS
	Lantana x 'New Gold' New Gold Lantana	1 gal.	95	



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(480) 586-2100



EXPIRES 03/31/20

C2 TACTICAL MESA

7104 E. Ray Road
Mesa, AZ

PROJECT NO.: 18001278
DATE: 04/19/2018
DRW: LRK / DUG
RVW: DUG

REVISIONS
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Cover
Sheet

L1.0

GENERAL CONSTRUCTION NOTES

1. THESE NOTES ARE TO BE USED FOR GENERAL REFERENCE IN CONJUNCTION WITH, AND AS A SUPPLEMENT TO THE WRITTEN SPECIFICATIONS, APPROVED ADDENDA, AND CHANGE ORDERS ASSOCIATED WITH THESE LANDSCAPE IMPROVEMENT DOCUMENTS.
2. 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. CONTRACTOR SHALL ADHERE TO ALL APPLICABLE LOCAL, STATE AND/OR FEDERAL LAWS OR REGULATIONS PERTAINING TO THE PROJECT.
3. IN ALL CASES WHERE A CONFLICT MAY OCCUR, SUCH AS BETWEEN ITEMS COVERED IN SPECIFICATIONS AND NOTES ON THE DRAWINGS, OR BETWEEN GENERAL NOTES AND SPECIFIC DETAILS, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED AND HE OR SHE WILL INTERPRET THE INTENT OF THE CONTRACT DOCUMENTS.
4. A QUALIFIED SUPERVISOR SHALL BE PRESENT ON SITE AT ALL TIMES DURING CONSTRUCTION.
5. DETAILS NOTED AS "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE.
6. LANDSCAPE CONTRACTOR SHALL INSPECT WITH THE OWNER'S AUTHORIZED REPRESENTATIVE AND/OR OWNER ALL EXISTING CONDITIONS PRIOR TO THE START OF ANY WORK. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT TO REPAIR AND/OR REPLACE, AT THEIR OWN EXPENSE, ANY STRUCTURES, FENCES, WALLS, PLANT MATERIAL, OR OTHER ITEMS DESTROYED DURING CONSTRUCTION. LIKEWISE THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR REPLACING ANY AND ALL DAMAGES TO ADJACENT PROPERTIES OR ANY OTHER AREAS OUTSIDE THE CONTRACT LIMITS. THE DAMAGED ITEMS/AREAS WILL BE RESTORED TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER'S AND/OR OWNER'S AUTHORIZED REPRESENTATIVE.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL PLANT MATERIAL LOCATIONS WITH OTHER TRADES PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE LOCATIONS OF EXISTING AND FUTURE UNDERGROUND SERVICES AND IMPROVEMENTS WHICH MAY CONFLICT WITH THE WORK TO BE DONE. PRIOR TO THE START OF WORK, ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND PROTECTED. CONTRACTOR IS RESPONSIBLE FOR THE INITIAL CALL AND FUTURE UPDATES TO BLUE STAKE AT 602-263-1100. EXISTING UNDERGROUND SERVICES SHALL NOT BE DISTURBED OR REMOVED WITHOUT APPROVAL OF THE OWNER'S AND/OR OWNER'S AUTHORIZED REPRESENTATIVE, UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.
8. CONTRACTOR SHALL PROVIDE BARRICADES AND TRAFFIC CONTROL ALONG PUBLIC STREETS IF REQUIRED DURING CONSTRUCTION.
9. PLANTING AND IRRIGATION DESIGN MAY BE MODIFIED TO ADAPT TO WALK CONFIGURATIONS THAT DIFFER FROM THESE PLANS, AND DUE TO GRADE LIMITATIONS ON SITE.
10. REFER TO ENGINEERING PLANS FOR DRAINAGE FLOWS. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE THAT THESE ARE PROVIDED FOR AND NOT IMPAIRED WITH OBSTRUCTIONS.
11. NO PART OF THE CONTRACT DOCUMENTS ARE INTENDED TO BE IN VIOLATION OF CODES. IF DISCREPANCIES EXIST, NOTIFY LANDSCAPE ARCHITECT AND OWNER IMMEDIATELY.
12. COORDINATE AND COOPERATE WITH ALL CONTRACTORS OF ATTACHED, ADJOINING AND/OR INTERFACING WORK TO INSURE ORDERLY AND EFFICIENT COMPLETION OF ALL WORK.
13. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES (FEDERAL, STATE, LOCAL, AND HEALTH DEPARTMENTS), EXCEPT WHERE REQUIREMENTS OF CONTRACT DOCUMENTS ARE MOST STRINGENT.
14. ALL EXISTING PLANT MATERIAL SHALL REMAIN UNLESS OTHERWISE NOTED.
15. ANY PLANT MATERIAL THAT MUST BE REMOVED DUE TO CONSTRUCTION MUST BE APPROVED BY OWNER AND/OR OWNER'S AUTHORIZED REPRESENTATIVE. NOTIFY OWNER AND/OR OWNER'S AUTHORIZED REPRESENTATIVE AT LEAST 48 HOURS PRIOR TO REMOVAL AND/OR RELOCATION OF ALL PLANTS.
16. IF ANY EXISTING PLANT MATERIAL THAT IS TO REMAIN IS DAMAGED BY CONTRACTOR, THE CONTRACTOR SHALL REPLACE THE DAMAGED PLANT WITH A NEW ONE OF THE SAME SIZE AND VARIETY AT NO COST TO THE OWNER.
17. DO NOT DISTURB SOIL WITHIN BRANCH SPREAD OF TREES OR SHRUBS TO REMAIN WITHOUT APPROVAL OF THE OWNER AND/OR OWNER'S AUTHORIZED REPRESENTATIVE.
18. ANY DISCREPANCIES BETWEEN THE PLANS AND CONDITIONS ON SITE SHALL BE REPORTED IMMEDIATELY TO THE OWNER AND/OR OWNER'S AUTHORIZED REPRESENTATIVE.
19. CONTRACTOR SHALL PROVIDE OWNER WITH ALL WARRANTY INFORMATION, INSTRUCTION MANUALS AND ANY OTHER PRODUCT INFORMATION FOR ALL NEW EQUIPMENT OR MACHINERY INSTALLED ON THE SITE WITHIN TWO WEEKS AFTER SUBSTANTIAL COMPLETION.
20. NO DESIGN MODIFICATIONS SHALL BE MADE WITHOUT THE OWNER AND/OR OWNER'S AUTHORIZED REPRESENTATIVE APPROVAL.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR HAULING AND LEGALLY DISPOSING OF MATERIALS DESIGNATED TO BE REMOVED. PROVIDE RECEIPTS FOR DUMPING TO OWNER FOR THEIR FILES.
22. ALL BASE INFORMATION IS FROM OTHER PROJECT TEAM MEMBERS AS LISTED IN THE 'PROJECT TEAM' LIST ON THIS SHEET. A THOROUGH ATTEMPT HAS BEEN MADE TO KEEP UP TO DATE WITH THE MOST CURRENT BASE INFORMATION. HOWEVER, DISCREPANCIES MAY EXIST BETWEEN THESE PLANS AND OTHER TEAM MEMBERS PLANS. IN ALL CASES THE ENGINEERS PLANS SHALL HAVE PRECEDENCE OVER THE LANDSCAPE PLANS FOR FINAL PROJECT CONFIGURATION.
23. ALL SIDEWALKS SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY. REFER TO CIVIL ENGINEERING PLANS FOR FINAL LAYOUT, GRADES, FINISHES, DETAILS, AND METHODS OF CONSTRUCTION. RVI UNDER NO CIRCUMSTANCES ASSUMES RESPONSIBILITY FOR UNFORESEEN CONFLICTS, ENGINEERING, STRUCTURAL CALCULATIONS, OR INSTALLATION THAT IS BEYOND OUR CONTROL.
24. SIGHT LINES AND VISIBILITY TRIANGLES ARE SHOWN ON THESE PLANS FOR REFERENCE ONLY. REFER TO ENGINEERING PLANS OR GOVERNING MUNICIPALITY FOR SPECIFIC GUIDELINES. IN CASES WHERE THERE IS MORE THAN ONE GOVERNING BODY, THE MOST RESTRICTIVE GUIDELINE SHALL PREVAIL.
25. ALL WALLS AND VERTICAL SITE FEATURES DESIGNED IN THE INTEREST OF THIS PROJECT ARE SCHEMATIC IN NATURE. POTENTIAL CONSTRUCTION DETAILING AND TECHNIQUES ARE SHOWN FOR DESIGN INTENT CLARIFICATION ONLY. THE CONTRACTOR SHALL HAVE THE ULTIMATE RESPONSIBILITY TO ENSURE THAT ALL CONSTRUCTED ELEMENTS ON THIS PROJECT ARE STRUCTURALLY SOUND AND ARE BUILT WITHIN ALL APPLICABLE CITY, STATE, AND FEDERAL GUIDELINES. RVI UNDER NO CIRCUMSTANCES ASSUMES RESPONSIBILITY FOR UNFORESEEN CONFLICTS, ENGINEERING, STRUCTURAL CALCULATIONS, OR INSTALLATION.
26. SHOP DRAWING REVIEWS WILL BE DONE TO ENSURE THAT PRODUCT DATA, MATERIALS, AND SAMPLES MEET OR EXCEED THE ORIGINAL DESIGN INTENT OF THESE DRAWINGS ONLY. RVI UNDER NO CIRCUMSTANCES ASSUMES RESPONSIBILITY FOR UNFORESEEN CONFLICTS, ENGINEERING, STRUCTURAL CALCULATIONS OR INSTALLATION RESULTING FROM THE PRODUCTION OF ANY SHOP DRAWINGS.

GENERAL SCOPE OF WORK

1. THE SCOPE OF WORK FOR THIS PROJECT INCLUDES COMPLETE LANDSCAPING IMPROVEMENTS AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN. VERIFY QUESTIONS ON SCOPE OF WORK PRIOR TO SUBMITTING A BID.
2. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS INCLUDING WATER, EQUIPMENT AND INCIDENTALS AS SHOWN, SPECIFIED AND REQUIRED TO PERFORM LANDSCAPING WORK. THE EXTENT OF THE LANDSCAPING WORK IS SHOWN ON THE DRAWINGS AND IN THE SCHEDULES. THE TYPES OF LANDSCAPING REQUIRED MAY INCLUDE THE FOLLOWING:
 - A. AESTHETIC FINISH GRADING
 - B. BOULDER PLACEMENT
 - C. INSTALLATION OF TREES, SHRUBS, GROUNDCOVERS, AND ANY OTHER NURSERY STOCK
 - D. INSTALLATION OF TURF AREAS
 - E. DECOMPOSED GRANITE AND PRE-EMERGENT APPLICATIONS (2)
 - F. MULCHES, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THE PLANTING JOB AS SPECIFIED
 - G. MISCELLANEOUS LANDSCAPE MATERIALS AND IMPROVEMENTS
 - H. FERTILIZERS AND SOIL AMENDMENTS
 - I. MAINTENANCE WORK AS SPECIFIED UNTIL COMPLETION OF THE CONTRACT
 - J. GUARANTEES
3. OBTAIN ALL PERMITS AND PAY REQUIRED FEES TO ANY GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THE WORK. ARRANGE INSPECTIONS REQUIRED BY LOCAL AGENCIES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION AS REQUIRED.
4. COORDINATE AND COOPERATE WITH OTHER CONTRACTORS WORKING ON THE SITE FOR SUCCESSFUL COMPLETION OF THE PROJECT.
5. BEFORE COMMENCING WORK ON THE SITE, BECOME THOROUGHLY ACQUAINTED WITH LAYOUT OF ALL UNDERGROUND UTILITIES AND STRUCTURES OVER THE ENTIRE SITE. ALL REQUISITE REPAIRS TO DAMAGE CAUSED BY WORK OF THIS SECTION SHALL BE AT THE CONTRACTOR'S EXPENSE.
6. THE IRRIGATION WORK CONSISTS OF INSTALLING A COMPLETE UNDERGROUND SPRINKLER, EMITTER, AND BUBBLER SYSTEM FOR ALL TURF AND LANDSCAPED AREAS AS SHOWN ON THE DRAWINGS AND AS HEREINAFTER SPECIFIED, INCLUDING THE FURNISHING OF ALL LABOR, EQUIPMENT, APPLIANCES, AND MATERIALS INCLUDING WATER AND IN PERFORMING ALL OPERATION IN CONNECTION WITH THE CONSTRUCTION OF THE IRRIGATION SYSTEM. WORK SHALL INCLUDE FURNISHING AND INSTALLING ALL PLASTIC AND COPPER PIPE AND FITTINGS, AUTOMATIC CONTROL VALVES, VALVE ACCESS BOXES, ELECTRIC COMPUTERIZED CENTRAL CONTROLLERS, ELECTRIC WIRE, TELEPHONE ACCESS LINE (IF REQUIRED), ETC., AS REQUIRED FOR A COMPLETE SYSTEM AS SHOWN ON THE DRAWINGS AND AS CALLED FOR IN THESE SPECIFICATIONS OR AS MAY BE REQUIRED FOR PROPER OPERATION OF THE SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS OF WATER USED IN CONNECTION WITH THE INSTALLATION OF THE IRRIGATION SYSTEM.
7. UNLESS OTHERWISE SPECIFIED OR INDICATED ON THE DRAWINGS, THE CONSTRUCTION OF THE IRRIGATION SYSTEM SHALL INCLUDE THE FURNISHING, INSTALLING AND TESTING OF ALL MAINS, LATERALS, RISERS, AND FITTINGS, THE FURNISHING AND INSTALLING OF IRRIGATION HEADS, CONTROL VALVES, CONTROLLERS, LOW AND HIGH VOLTAGE ELECTRIC WIRE, TELEPHONE ACCESS LINE TO CENTRAL CONTROL UNIT (IF REQUIRED), POINT OF CONNECTION, CONTROLS, RESTORATION OF EXISTING IMPROVEMENTS, EXCAVATION AND BACKFILL, AND ALL OTHER WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AS REQUIRED FOR A COMPLETE SYSTEM.
8. WHENEVER ANY MATERIAL IS SPECIFIED BY NAME AND/OR NUMBER, SUCH SPECIFICATIONS SHALL BE DEEMED TO BE USED FOR THE PURPOSE OF FACILITATING A DESCRIPTION OF THE MATERIALS AND ESTABLISHING QUALITY, AND SHALL BE DEEMED AND CONSTRUED TO BE FOLLOWED BY THE WORDS "OR APPROVED EQUAL." NO SUBSTITUTIONS WILL BE PERMITTED WHICH HAVE NOT BEEN SUBMITTED FOR APPROVAL PRIOR TO BIDDING.
9. LANDSCAPE CONTRACTOR SHALL CALL FOR "BLUE STAKE" AS REQUIRED. EXERCISE EXTREME CAUTION IN ALL PLANTING OPERATIONS, AS THERE MAY BE UNDERGROUND ELECTRIC AND TELEPHONE CABLES, SEWER LINES AND WATER LINES THROUGHOUT THE ENTIRE AREA. CONTRACTOR SHALL STUDY AND BE FAMILIAR WITH THE LOCATION OF THESE OBSTRUCTIONS AND UNDERGROUND UTILITIES. PLACE PLANTINGS WHERE SHOWN ON THE PLANS. IF THERE ARE OBSTRUCTIONS OR UNDERGROUND UTILITIES, RELOCATE PLANTS CLEAR OF ANY INTERFERENCE. LANDSCAPE CONTRACTOR SHALL REPAIR ALL DAMAGES CAUSED BY THEM TO OBSTRUCTIONS AND UNDERGROUND UTILITIES AT NO EXPENSE TO THE OWNER.
10. MAINTAIN UNINTERRUPTED WATER SERVICE TO BUILDING DURING NORMAL WORKING HOURS. ARRANGE FOR TEMPORARY WATER SHUT-OFF WITH ARCHITECT/ENGINEER DURING INSTALLATION OF IRRIGATION SYSTEM, IF NECESSARY.
11. ALL WORK AND MATERIALS TO BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF SAFETY ORDERS OF DIVISION OF INDUSTRIAL SAFETY; THE UNIFORM BUILDING CODE, M.A.G. SPECIFICATIONS AND OTHER APPLICABLE LAWS OR REGULATIONS, INCLUDING ALL CITY CODES. NOTHING IN THESE SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. SHOULD THE CONSTRUCTION DOCUMENTS, OR INSTRUCTION, BE AT VARIANCE WITH THE AFOREMENTIONED RULES AND REGULATIONS, NOTIFY LANDSCAPE ARCHITECT AND GET INSTRUCTIONS BEFORE PROCEEDING WITH THE WORK AFFECTED. IF LANDSCAPE ARCHITECT IS NOT NOTIFIED OF ANY VARIANCE IT SHALL BE UNDERSTOOD THAT THE CONTRACTOR ASSUMES ANY AND ALL RESPONSIBILITY FOR THE WORK DONE.
12. CLEAN UP SHALL BE MADE DAILY AS EACH PORTION OF THE WORK PROGRESSES. REFUSE AND EXCESS DIRT SHALL BE REMOVED FROM THE SITE, AND WALKS AND PAVING SHALL BE SWEEP OR WASHED DOWN DAILY. ANY DAMAGE SHALL BE REPAIRED TO ORIGINAL CONDITIONS AT CONTRACTOR'S EXPENSE. LEAVE WORK IN CLEAN CONDITION.
13. SUBMIT DETAILED OPERATION AND MAINTENANCE DATA FOR ALL EQUIPMENT AND ACCESSORIES PROVIDED UNDER THESE PLANS INCLUDING ASSEMBLY AND PART LISTS FOR EACH TYPE OF VALVE, EMITTER, ETC., FURNISHED TO THE ENGINEER/OWNER'S REPRESENTATIVE.

PLANTING GENERAL NOTES

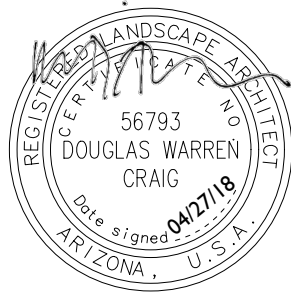
1. VERIFY PLANT QUANTITIES PRIOR TO BIDDING AND INSTALLATION. QUANTITIES ARE LISTED FOR CONVENIENCE ONLY. THE ACTUAL NUMBER OF SYMBOLS INDICATED ON THE PLANTING PLANS SHALL HAVE PRIORITY OVER QUANTITIES LISTED WITHIN THE LANDSCAPE MATERIAL SCHEDULE. THE CONTRACTOR SHALL FURNISH ALL PLANT MATERIAL NECESSARY TO COMPLETE THE PLANTINGS AS SHOWN ON THE PLANS.
2. CLARIFICATION OF DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND THE SITE SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND/OR OWNER'S AUTHORIZED REPRESENTATIVE IMMEDIATELY.
3. THE LANDSCAPE ARCHITECT AND/OR OWNER'S AUTHORIZED REPRESENTATIVE IS TO APPROVE ANY PLANT MATERIAL SUBSTITUTIONS.
4. ALL PLANT MATERIAL MUST BE MAINTAINED IN HEALTH AND VIGOR, AND BE ALLOWED TO ATTAIN NATURAL SIZE AND SHAPE IN ACCORDANCE WITH ARIZONA NURSERY ASSOCIATION SPECIFICATIONS.
5. ALL PLANT MATERIAL MAY BE INSPECTED PRIOR TO ACCEPTANCE. THE LANDSCAPE ARCHITECT AND/OR OWNER'S AUTHORIZED REPRESENTATIVE RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIAL DEEMED UNACCEPTABLE, EVEN AFTER DELIVERY TO SITE.
6. PLANT TREES AND SHRUBS PLUMB AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO ADJACENT PLANTS, STRUCTURES, AND VIEWS. IF ANY SOIL NUTRIENT DEFICIENCIES EXIST, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO AMEND THE SOIL.
7. PLANTING METHODS, SOIL AMENDMENT QUANTITIES (IF ANY), AND PREPARATION METHODS SHALL BE INSTALLED ACCORDING TO THE PLANTING SPECIFICATIONS AND DETAILS.
8. ALL PLANTING AREAS SHALL RECEIVE WEED CONTROL/PRE-EMERGENT PER THE GUIDELINES SET FORTH WITHIN THE SPECIFICATIONS AND DETAILS. REAPPLY AS NECESSARY TO COMPLETELY KILL NOXIOUS MATERIAL. REMOVE ALL DEAD AND/OR DYING DEBRIS PRIOR TO FINAL ACCEPTANCE.
9. ALL TREES LOCATED WITHIN SIGHT DISTANCE AREAS MUST BE TRIMMED TO 6'-0" CLEARANCE ABOVE FINISHED GRADE.
10. UNLESS OTHERWISE NOTED ON PLANS, ROCK/BARK MULCH SHALL EXTEND UNDER ALL PLANTINGS AND BE RAKED UNIFORMLY ALONG CONCRETE FLATWORK, CURBS AND ETC.
11. THE FINISH GRADE OF LANDSCAPE AREAS RECEIVING ROCK/BARK MULCH MUST BE GRADED 2-1/2" BELOW CONCRETE OR OTHER ADJACENT PAVED SURFACES PRIOR TO INSTALLATION OF THE MULCH. FINISH GRADE OF LANDSCAPE AREAS RECEIVING TURF MUST BE GRADED 1-1/2" BELOW CONCRETE OR OTHER PAVED SURFACES PRIOR TO INSTALLATION OF TURF.
12. BOULDERS, IF USED, TO BE SURFACE SELECT GRANITE WITH A MINIMUM OF SHARP EDGES AND/OR CRACKING. ANY EXPOSED SURFACE SCARRING THAT MAY HAVE OCCURRED DURING TRANSPORTING OR CONSTRUCTION IS TO BE EONITED WITH NO ADDITIONAL COST TO THE OWNER.
13. STAKE ALL NURSERY GROWN TREE STOCK A MINIMUM OF 12" OUT FROM EDGE OF PLANTING WELL. THE EDGE OF ALL TREE PLANTING WELLS SHALL BE A MINIMUM OF 2 FEET AWAY FROM ALL CURB AND SIDEWALKS AND A MINIMUM OF 12 FEET AWAY FROM ALL BUILDING FOUNDATIONS. THE EDGE OF ALL SHRUB PLANTING WELLS SHALL BE A MINIMUM OF 18" AWAY FROM ALL CURB AND SIDEWALKS AND A MINIMUM OF 3 FEET AWAY FROM ALL BUILDING FOUNDATIONS.
14. LANDSCAPE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO EACH APPLICATION OF PRE-EMERGENT FOR VERIFICATION. CONTRACTOR SHALL PROVIDE OWNER WITH PROOF OF PRE-EMERGENT APPLICATION NO MORE THAN 7 DAYS AFTER EACH APPLICATION WITHOUT EXCEPTION.
15. ALL TREES WITHIN TURF AREAS SHALL BE INSTALLED WITH TEMPORARY PVC ARBOR GUARDS.
16. ALL TURF AREAS SHALL BE GRADED SMOOTH AND APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLING SOD OR SEED. ALL AREAS TO RECEIVE TURF SHALL BE COMPLETELY FREE OF ANY RUTS, TRENCH SETTLING, OR ANY MATERIAL OVER 1/2" IN DIAMETER PRIOR TO SOD OR SEED INSTALLATION.
17. LANDSCAPE CONTRACTOR IS REQUIRED TO OBTAIN ANY REQUIRED PERMITS FOR ALL ON-SITE AND OFF-SITE IMPROVEMENTS OUTLINED WITHIN THIS SET OF PLANS AND/OR ANY OTHER ADDITIONAL WORK THEY MAY PERFORM IN THE INTEREST OF THIS PROJECT.
18. ROCK/BARK MULCH SHALL BE AS SPECIFIED IN THE LANDSCAPE MATERIAL SCHEDULE. ALL PLANTING AREAS, UNLESS OTHERWISE NOTED ON THE PLANS, SHALL RECEIVE A UNIFORM APPLICATION OF THE SPECIFIED MATERIAL. CONTRACTOR SHALL SUBMIT A SAMPLE TO THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO SCHEDULING MASS DELIVERY. OWNER MAY REQUEST THAT AN INITIAL LOAD OF MATERIAL BE DELIVERED TO THE SITE AND BE SPREAD BY THE LANDSCAPE CONTRACTOR FOR THE OWNER'S APPROVAL PRIOR TO MATERIAL APPLICATION ON THE REMAINDER OF THE SITE.
19. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO COORDINATE WITH THE OWNER THE FINAL LAYOUT OF ALL HARDSCAPE ITEMS FOR THIS PROJECT. OWNER MAY REQUEST ALL HARDSCAPE ITEMS (HEADERS, SIDEWALKS, FLATWORK, ETC.) BE STAKED AND/OR CHALKED OUT FOR THEIR APPROVAL PRIOR TO INITIAL POUR.
20. LANDSCAPE CONTRACTOR SHALL PRUNE ALL TREES AFTER INSTALLATION SO THAT NO BRANCH IS TOUCHING FINAL GRADE AND TRIM CANOPIES/BRANCHING TO A CLEAN AND NEAT APPEARANCE. ALL DEAD AND/OR DYING MATERIAL SHALL BE PRUNED FROM THE TREE PRIOR TO FINAL ACCEPTANCE.
21. WATER TEST ALL TREE PLANTING WELLS PRIOR TO PLANTING. IF TREE WELLS DO NOT PROPERLY DRAIN, REFER TO THE HARDPAN PLANTING DETAIL FOR ADDITIONAL INFORMATION.
22. REFER TO GENERAL CONSTRUCTION NOTES ON THE COVER SHEET FOR ADDITIONAL INFORMATION THAT RELATES TO THE SCOPE OF WORK IN THIS SECTION. ALSO REFER TO ANY WRITTEN SPECIFICATION, SHOULD THEY ACCOMPANY THESE DRAWINGS, FOR ADDITIONAL REQUIREMENTS NOT COVERED WITHIN THESE PLANS.

PLANTING WARRANTY & MAINTENANCE NOTES

1. MAINTAIN ALL AREAS INCLUDED IN THE CONTRACT ON A WEEKLY BASIS DURING THE PROGRESS OF WORK, A 90 DAY MAINTENANCE PERIOD, AND UNTIL THE FINAL ACCEPTANCE OF WORK IS RECEIVED IN WRITING.
2. UPON ACCEPTANCE AFTER THE 90 DAY MAINTENANCE PERIOD, THE CONTRACTOR SHALL FURNISH A WRITTEN WARRANTY ON ALL PLANT MATERIAL AGREEING TO GUARANTEE THE CONTINUED GROWTH OF ACTIVE PLANT MATERIAL FOR THE SPECIFIED GUARANTEE PERIODS. ALL GUARANTEE PERIODS COMMENCE FROM THE TIME OF FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
3. THE CONTRACTOR SHALL WATER AND MAINTAIN ALL LANDSCAPE MATERIAL DURING THE MAINTENANCE PERIOD. THE OWNER WILL WATER AND MAINTAIN THE LANDSCAPE MATERIAL DURING THE WARRANTY PERIOD. THE CONTRACTOR SHALL INSPECT THE LANDSCAPE MATERIALS PERIODICALLY DURING THE WARRANTY PERIOD AND SHALL NOTIFY THE OWNER IN WRITING, IF, IN THE CONTRACTOR'S OPINION, THE LANDSCAPE MATERIALS ARE NOT RECEIVING PROPER CARE.
4. ALL TREES, PALMS, CACTI, ACCENTS, AND TURF SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE (1) YEAR AND ALL SHRUBS, GROUNDCOVERS, AND OTHER NON SPECIFIED PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF 90 DAYS FROM THE DATE OF FINAL ACCEPTANCE. THE GUARANTEE SHALL BE AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING FROM NEGLECT BY OWNER, ABUSE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND THE LANDSCAPE CONTRACTOR'S CONTROL.
5. ANY PLANT MATERIALS WHICH ARE NOT APPROVED PRIOR TO OCTOBER 1 OF THE CALENDAR YEAR IN WHICH THEY ARE INSTALLED, SHALL BE FURTHER GUARANTEED UNTIL MAY 15 OF THE FOLLOWING CALENDAR YEAR.
6. ALL PLANT MATERIALS MUST BE MAINTAINED IN HEALTH AND VIGOR AND BE ALLOWED TO ATTAIN NATURAL SIZE AND SHAPE IN ACCORDANCE WITH THE ORIGINALLY APPROVED LANDSCAPE PLAN.
7. REFER TO BOOK SPECIFICATIONS, IF INCLUDED IN THIS DOCUMENT SET, FOR ADDITIONAL INFORMATION ON THE SPECIFICS OF THE ANTICIPATED WARRANTY.
8. LANDSCAPE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE OWNER TYPEWRITTEN MAINTENANCE GUIDELINES AT FINAL WALK-THRU AND PRIOR TO FINAL ACCEPTANCE OF WORK.
9. IF TURF IS USED ON THIS PROJECT THE LANDSCAPE CONTRACTOR SHALL REAPPLY SEED OR SOD IN ALL AREAS WHICH HAVE DEVELOPED BARE SPOTS HALFWAY THROUGH THE MAINTENANCE PERIOD. AREAS WHICH CANNOT BE RESEEDDED FOR SUMMER GROWTH DUE TO CONTRACTOR'S INABILITY TO RESEED DURING PROPER GROWING SEASON SHALL BE OVERSEEDDED OR SODDED WITH GRASS APPROPRIATE FOR THE CURRENT SEASON, CARED FOR THROUGHOUT THE OFF SEASON, AND PROPERLY SEEDDED AT THE NEXT APPROPRIATE GROWING SEASON. THESE ARRANGEMENTS MUST BE MADE WITH THE OWNER PRIOR TO CONDITIONAL ACCEPTANCE OF THE WORK AND MAY REQUIRE A MONETARY HOLD-BACK.
10. COST FOR REPLACEMENTS DURING THE WARRANTY PERIOD IS ASSUMED PART OF THE BID QUOTATIONS AND THEREFORE WILL NOT RESULT IN ANY ADDITIONAL COST TO THE OWNER OR LANDSCAPE ARCHITECT.



120 S. Ash Avenue
Tempe AZ, 85281
(480) 586-2100



EXPIRES 03/31/20

C2 TACTICAL MESA

7104 E. Ray Road

Mesa, AZ

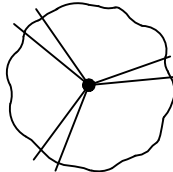
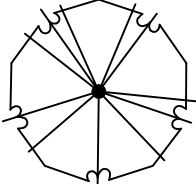
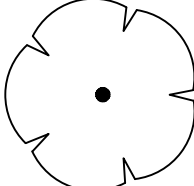
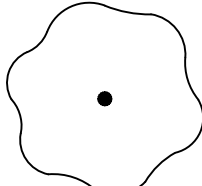
PROJECT NO.: 18001278
DATE: 04/19/2018
DRW: LRK / DUG
RVW: DUG









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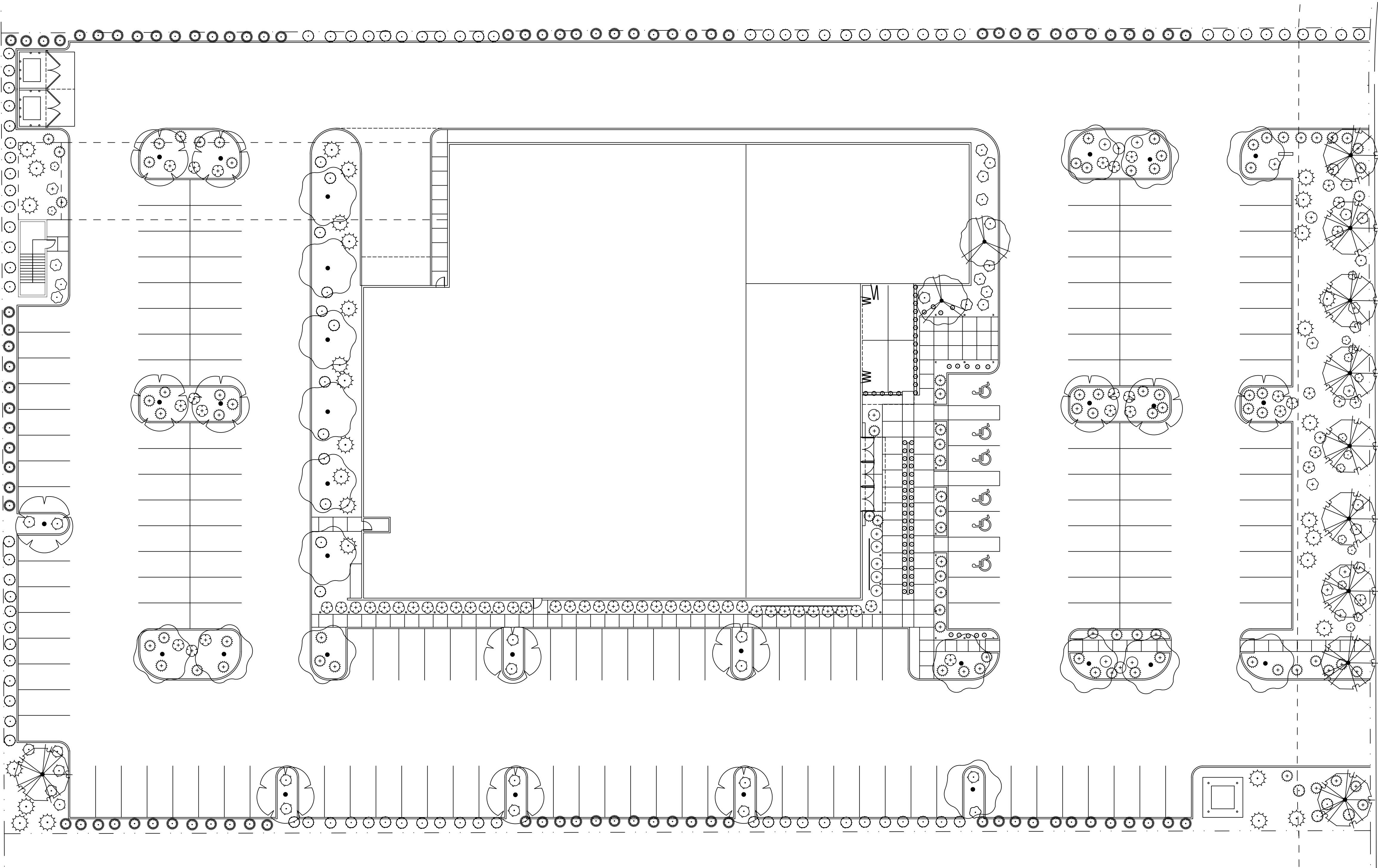
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PLANT SCHEDULE

TREES	BOTANICAL NAME	CONT.	QTY	REMARKS
	Caesalpinia cacalaco Cascalote	24" BOX	2	
	Olneya tesota Desert Ironwood	24" BOX	10	
	Parkinsonia microphylla Foothill Palo Verde	24" BOX	13	
	Prosopis velutina Velvet Mesquite	24" BOX	17	

SHRUBS	BOTANICAL NAME	SIZE	QTY	REMARKS
	Buddleja marrubifolia Woolly Butterfly Bush	5 gal.	15	
	Calliandra eriophylla Fairy Duster	5 gal.	94	
	Encelia farinosa Brittle Bush	5 gal.	15	
	Ericameria laricifolia Turpentine Bush	5 gal.	33	
	Euphorbia antispyhilitica Candelilla Euphorbia	5 gal.	73	
	Justicia californica Chuparosa	5 gal.	4	
	Leucophyllum langmaniae 'Lynn's Legacy' Barometerbush	5 gal.	31	
	Simmondsia chinensis Jojoba	5 gal.	88	

CACTI	BOTANICAL NAME	SIZE	QTY	REMARKS
	Agave desmettiana 'Variegata' Variegated Agave	5 gal.	11	
	Dasylirion wheeleri Desert Spoon	5 gal.	10	
	Fouquieria splendens Ocotillo	5 gal.	4	
	Hesperaloe parviflora Red Yucca	5 gal.	65	
GROUND COVERS	BOTANICAL NAME	SIZE	QTY	REMARKS
	Lantana x 'New Gold' New Gold Lantana	1 gal.	95	



C2 TACTICAL MESA
7104 E. Ray Road
Mesa, AZ

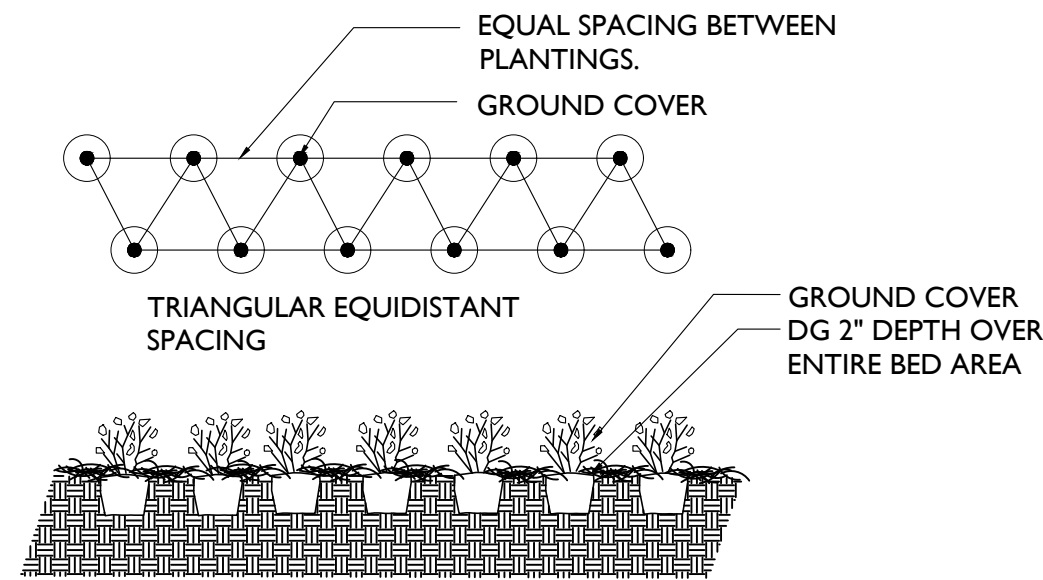
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DATE: 04/19/2018
DRW: LRK / DUG
RWV: DUG

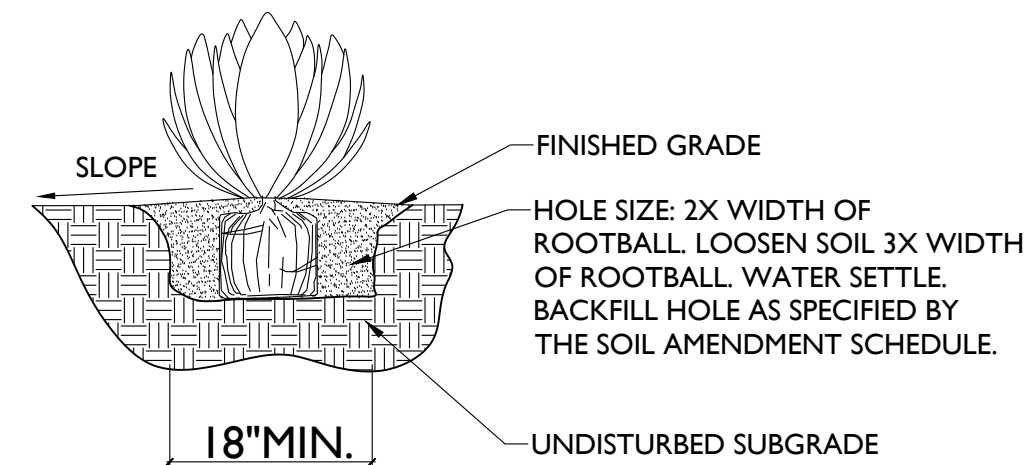
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Planting
Details

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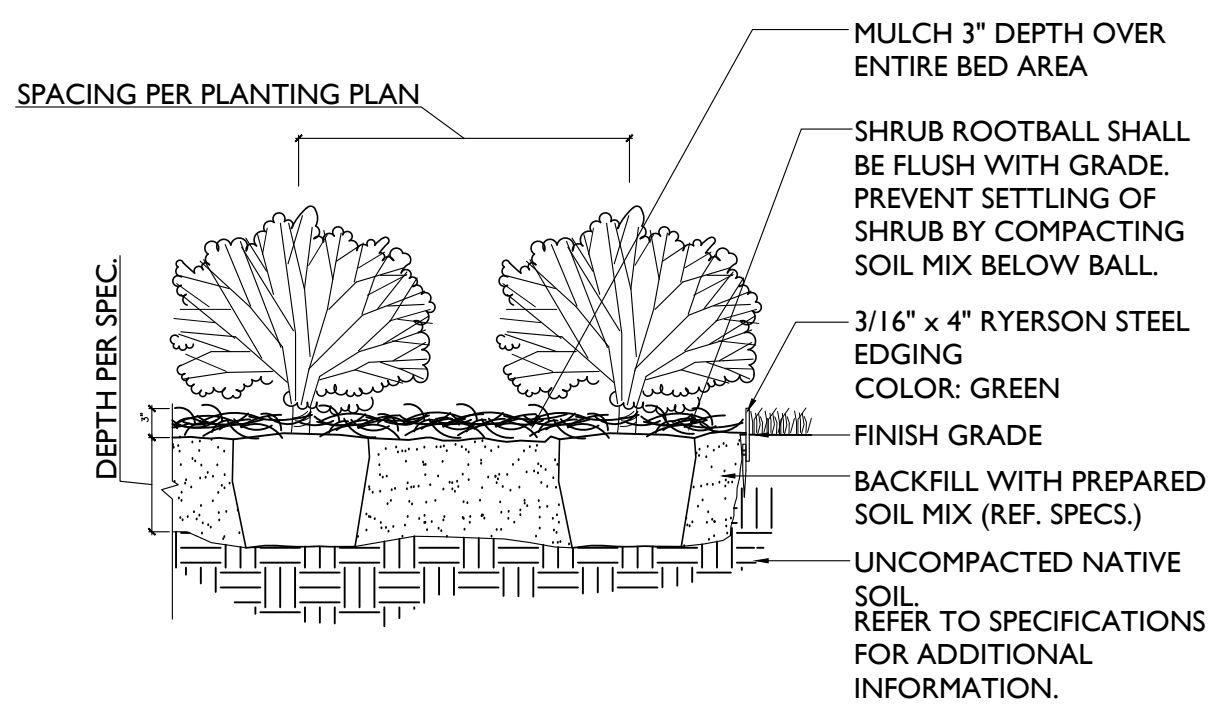


4 GROUNDCOVER PLANTING
SCALE: NTS

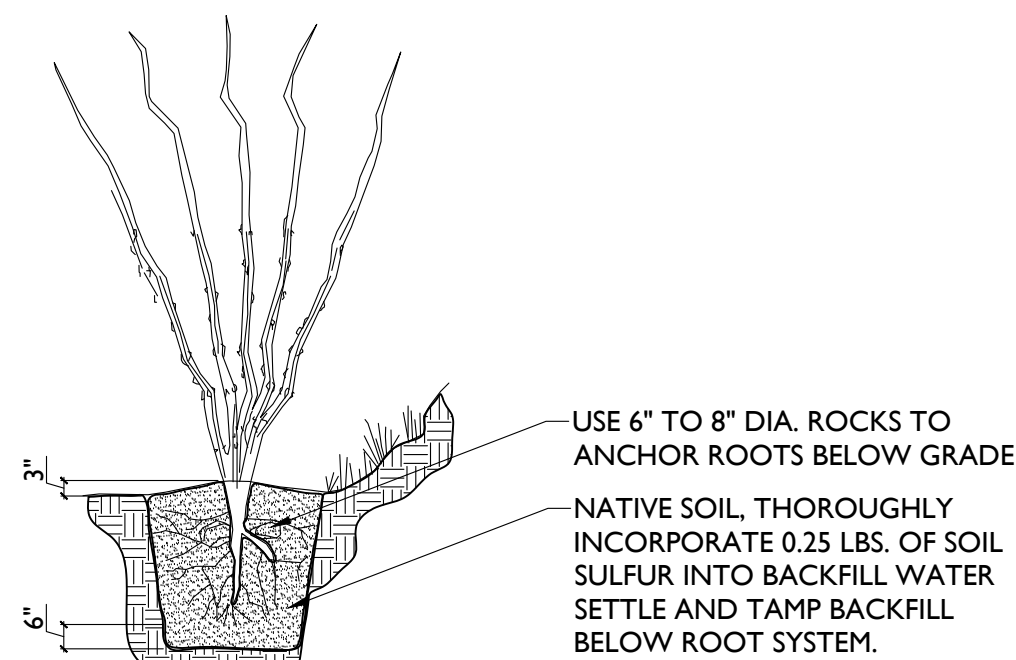


- NOTES:
- DO NOT CREATE BASIN AT BASE OF ACCENT. SLOPE BACKFILL AWAY FROM PLANT.
 - USE DRY SITE SOIL ONLY IN PIT - NO MULCH.

3 ACCENT/AGAVE PLANTING
SCALE: NTS

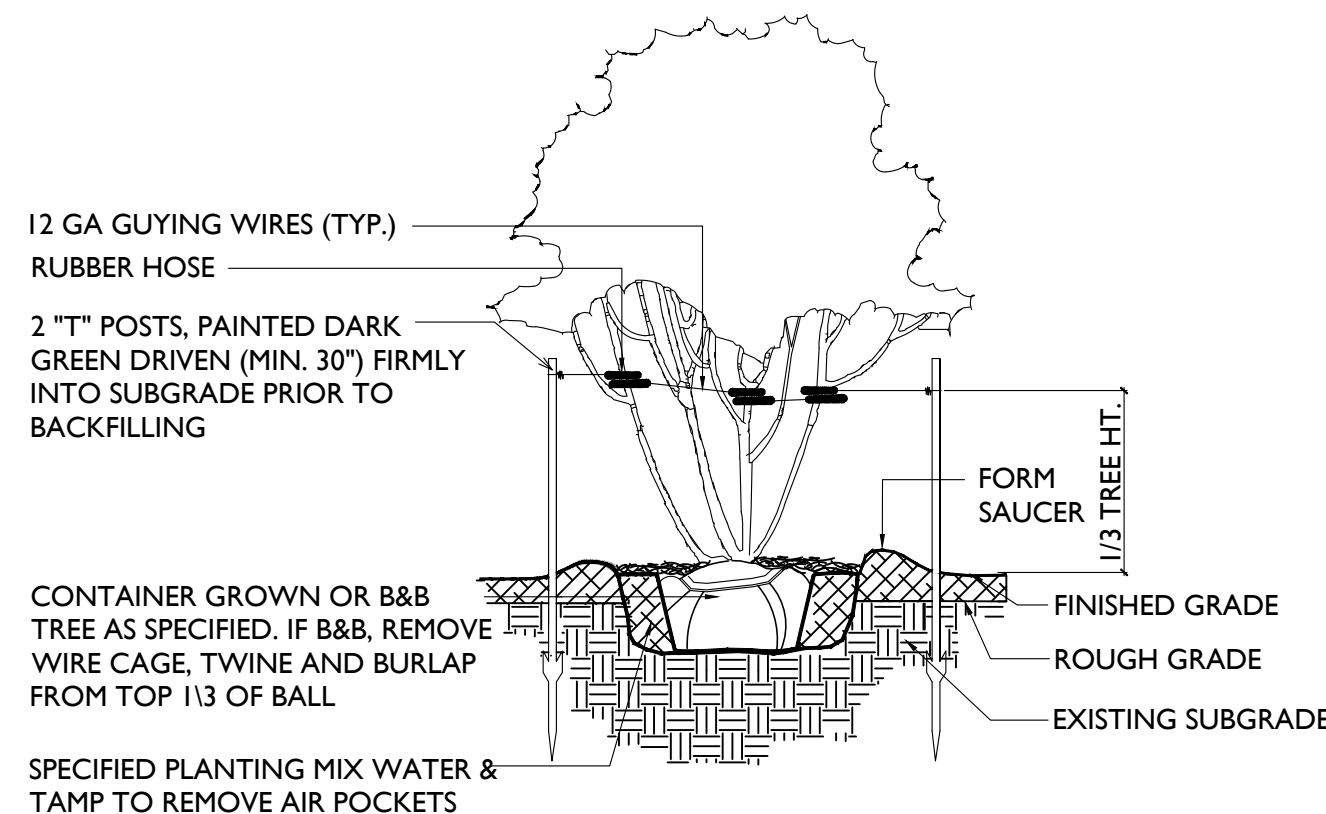


2 SHRUB PLANTING
SCALE: NTS



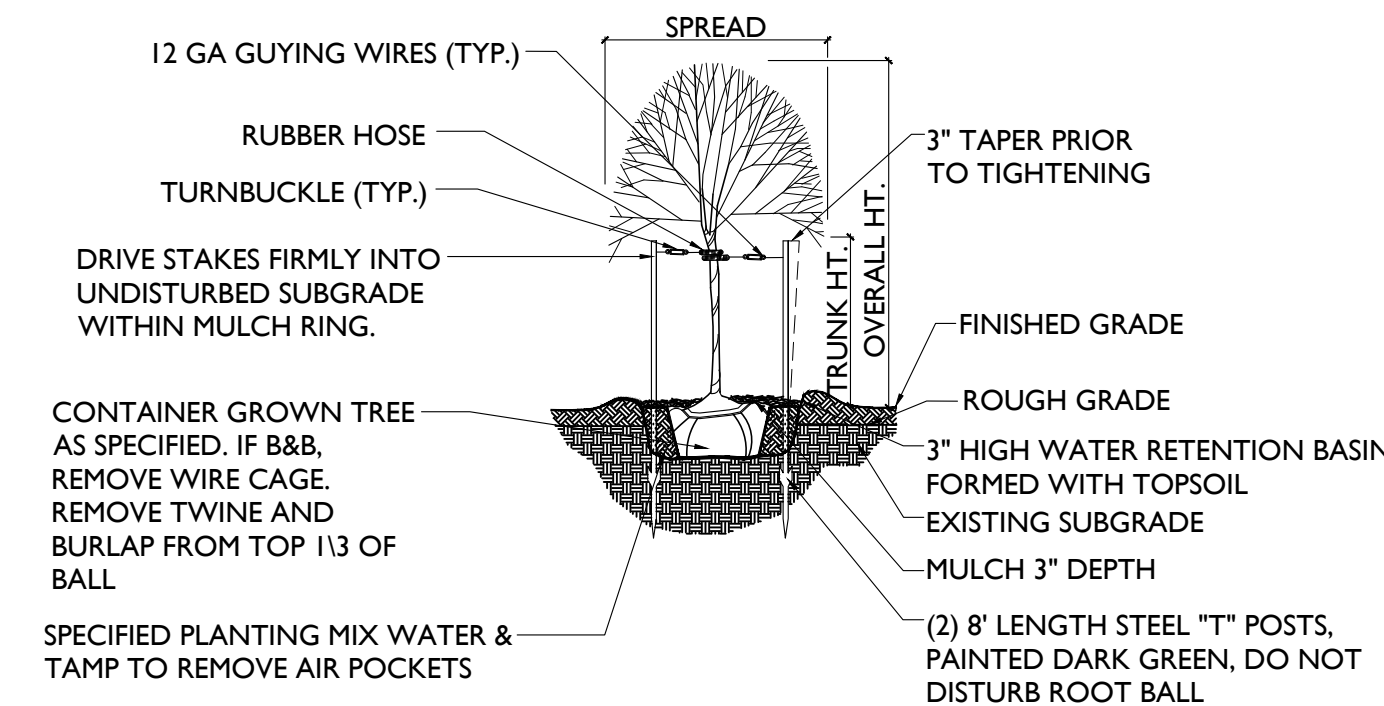
- NOTES:
- ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS. SEAL ALL WOUNDS OR CUTS WITH PRUNING PLANT.
 - AT JOB SITE, DUST ENTIRE ROOT STRUCTURE WITH WETTABLE DUSTING SULFUR.
 - PLANTING DEPTH TO BE THAT AT WHICH PLANT WAS CROWN.
 - APPLY "SUPERTHRIVE", "BI" OR OTHER APPROVED HORMONE AS DIRECTED BY THE MANUFACTURE FOR 2 WATERING COMMENCING IMMEDIATELY AFTER INSTALLATION.
 - BARE ROOTS SHALL NOT BE OUT OF THE GROUND FOR MORE THAN 5 DAYS PRIOR TO PLANTING

6 OCOTILLO PLATING
SCALE: NTS



- NOTES:
- POSITION TOP OF TREE ROOT BALL 3" ABOVE GRADE TO COMPENSATE FOR SETTLING
 - LINK 3 PRIMARY TRUNKS WITH HOSE AND WIRE THEN CONNECT 2 PRIMARY TRUNKS TO STAKES FOR FIRM SUPPORT

5 MULTI-TRUNK TREE PLANTING
SCALE: NTS



- NOTES:
- POSITION TOP OF TREE ROOT BALL 3" ABOVE GRADE TO COMPENSATE FOR SETTLING

1 TREE PLANTING
SCALE: NTS