

1. ALL CONSTRUCTION AND TEST METHODS SHALL BE IN CONFORMANCE WITH PIMA ASSOCIATION OF GOVERNMENTS (PAG) STANDARD SPECIFICATIONS AND STANDARD DETAILS FOR PUBLIC IMPROVEMENTS, 2015 EDITIONS. THESE MAY BE MODIFIED AND/OR SUPPLEMENTED BY THE REQUIREMENTS OF THESE PLANS.
2. AN APPROVED COPY OF THIS PLAN SHALL BE KEPT AT THE JOBSITE AT ALL TIMES DURING CONSTRUCTION.
3. A GEOTECHNICAL ENGINEERING INVESTIGATION, INCLUDING RECOMMENDATIONS FOR GRADING PROCEDURES HAS BEEN PREPARED BY SPEEDIE AND ASSOCIATES. ALL EARTHWORK OPERATIONS SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN SAID REPORT, DATED OCTOBER 12, 2021, PROJECT NO. 212325ST.
4. THE SOILS ENGINEER SHALL OBSERVE, INSPECT, AND TEST ALL EARTHWORK OPERATIONS, INCLUDING, BUT NOT LIMITED TO, CLEARING AND GRUBBING, SUBGRADE PREPARATION, STRUCTURAL AND TRENCH EXCAVATION AND BACKFILL, AND PLACEMENT AND COMPACTION OF FILL, IN ACCORDANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS SET FORTH IN THE SOILS REPORT.
5. THIS APPROVED GRADING AND PAVING PLAN IS THE ONLY ACCEPTABLE CONSTRUCTION PLAN ONSITE. THE CONTRACTOR MAY NOT USE ANY OTHER PLANS, SUCH AS THE APPROVED DEVELOPMENT PLAN OR TENTATIVE PLAT FOR CONSTRUCTION PURPOSES. THE CONTRACTOR MAY ASK THE COST DEVELOPMENT SERVICES INSPECTOR TO CONSULT WITH OTHER APPROVED PLANS FOR ADDITIONAL INFORMATION OR DETAILS THAT MIGHT NOT BE INCLUDED ON THESE APPROVED GRADING AND PAVING PLANS BUT IS NEEDED FOR COMPLETION OF WORK.
6. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES WITHIN THE WORK AREA PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL CALL ARIZONA 811 AT 811, AT LEAST 2 WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION.
7. THE CONTRACTOR SHALL GIVE FORTY-EIGHT (48) HOURS NOTICE WHEN HE SHALL REQUIRE THE SERVICES OF THE ENGINEER OR ANY OTHER PERSON PROPERLY AUTHORIZED FOR SUCH PURPOSE FOR LAYING OUT ANY PORTION OF THE WORK. HE SHALL ALSO DIG ALL STAKE HOLES NECESSARY TO GIVE LINE AND LEVELS AND SHALL PROVIDE ASSISTANCE CALLED FOR BY THE ENGINEER OR HIS ASSISTANTS UPON ANY PART OF THE WORK WHENEVER SO REQUESTED.
8. THE CONTRACTOR SHALL PRESERVE ALL STAKES SET FOR THE LINES, LEVELS, AND/OR MEASUREMENTS OF THE WORK IN THEIR PROPER PLACES UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEER. ANY EXPENSE INCURRED IN REPLACING ANY STAKES WHICH THE CONTRACTOR OR HIS SUBORDINATES MAY HAVE FAILED TO PRESERVE SHALL BE CHARGED TO THE CONTRACTOR.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH, HAUL AND APPLY ALL WATER REQUIRED FOR COMPACTION AND FOR THE CONTROL OF DUST FROM CONSTRUCTION ACTIVITY. THE COST THEREOF IS TO BE INCLUDED IN THE GRADING CONSTRUCTION PRICE.
10. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY GOVERNMENTAL AGENCIES.
11. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REGULATIONS AND REQUESTS BY THE CITY OF TUCSON AND PIMA COUNTY REGARDING DUST POLLUTION.
12. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS.
13. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CALCULATE HIS OWN EARTHWORK QUANTITIES AND SUBMIT HIS BID BASED THEREON.
14. ALL ORGANIC MATERIAL SHALL BE REMOVED WITHIN THE CLEARING LIMITS FOR NECESSARY GRADING TO A DEPTH OF SIX (6) INCHES AND HAULED FROM THE SITE PRIOR TO GRADING.
15. BUILDING SITES SHALL BE CONSTRUCTED TO WITHIN 0.1 FOOT OF FINISH BUILDING PAD ELEVATIONS AS DESIGNED BY THE ENGINEER. STREETS AND PARKING AREAS SHALL BE CONSTRUCTED TO WITHIN 0.1 FEET OF FINISH SUBGRADE AS DESIGNED BY THE ENGINEER.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE, MAINTENANCE, REPAIR AND/OR REPLACEMENT OF EXISTING IMPROVEMENTS IN THE WORK AREA WHICH HAVE BEEN REMOVED AND/OR DAMAGED DURING THE COURSE OF CONSTRUCTION. ALL REPAIR, REPLACEMENT, AND/OR CLEANUP SHALL BE DONE TO THE SATISFACTION OF THE OWNER.
17. ANY ENGINEERING WORK TO BE DONE BELOW GRADE (I.E. TOE-DOWNS, CUTOFF WALLS, DRAINAGE PIPES/STRUCTURES, ETC.) SHALL NOT BE BACK FILLED UNTIL A PLANNING AND DEVELOPMENT SERVICES DEPARTMENT (PDSO) INSPECTOR INSPECTS THE WORK AND APPROVES IT.
18. THE CONTRACTOR IS NOT PERMITTED TO MAKE AN AUTONOMOUS DECISION TO CARRY OUT CONSTRUCTION FIELD CHANGES WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER OF RECORD AND THE CITY OF TUCSON PDSO.
19. CALL FOR STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INSPECTION AND PRE-CONSTRUCTION MEETINGS. FOR A PDSO ENGINEERING INSPECTION, CALL IYR AT (520) 740-6970, OR SCHEDULE WITH A CUSTOMER SERVICE REPRESENTATIVE AT THE PDSO, OR CONTACT PDSO ENGINEERING AT (520) 791-5550, EX 2101, OR SCHEDULE INSPECTIONS ONLINE AT: [HTTP://CMS3.TUCSONAZ.GOV/PDSO/INSPECTIONS](http://cms3.tucsonaz.gov/pdsd/inspections)
20. THE PROJECT WILL BE IN COMPLIANCE WITH CITY OF TUCSON TECHNICAL STANDARDS MANUAL SECTION 2-01.0.0 (EXCAVATING AND GRADING).
21. A COPY OF THE APPROVED GRADING PLAN, GRADING PERMIT, AND ANY GEOTECHNICAL REPORTS SHALL BE KEPT AT THE SITE AT ALL TIMES, UNTIL FINAL GRADING APPROVAL.
22. ANY REVISION TO THE GRADING PLAN MAY REQUIRE A RE-SUBMITTAL OF A REVISED GRADING PLAN FOR REVIEW. CONTACT PDSO ENGINEERING AT (520) 791-5550 TO DISCUSS CHANGES IN GRADING DESIGN.
23. IF GRADING CONSTRUCTION IS EXPECTED TO LAST LONGER THAN THE EXPIRATION DATE OF THE GRADING PERMIT, CONTACT PDSO TO RENEW/EXTEND THE GRADING PERMIT. IF FINAL GRADING INSPECTION HAS NOT BEEN COMPLETED BEFORE THE GRADING PERMIT EXPIRES, AND THE PERMIT HAS NOT BEEN RENEWED, ADDITIONAL FEES AND REVIEWS MAY BE REQUIRED.
24. THE OWNER SHALL BE SOLELY RESPONSIBLE FOR OPERATION, MAINTENANCE AND LIABILITY FOR DRAINAGE STRUCTURES.

25. THE PERMITTEE SHALL NOTIFY THE PSDS WHEN THE GRADING OPERATION IS READY FOR FINAL GRADING INSPECTION. FINAL GRADING APPROVAL SHALL NOT BE GIVEN UNTIL ALL WORK, INCLUDING INSTALLATION OF ALL DRAINAGE FACILITIES AND THEIR PERMANENT PROTECTIVE DEVICES, AND ALL EROSION CONTROL MEASURES HAVE BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND GRADING PERMIT, AND ANY REQUIRED REPORTS HAVE BEEN SUBMITTED.
26. DEPRESS ALL LANDSCAPE AREAS A MAXIMUM OF 9-INCHES FOR WATER HARVESTING.
27. THE CONTRACTOR SHALL REMOVE THE FINE MATERIALS FROM THE BOTTOM OF ALL DRAINAGE RELATED BASINS AND SCARIFY THEIR BOTTOMS ONCE THE CONSTRUCTION ACTIVITIES ARE COMPLETED, IN ORDER TO REMOVE ANY FINE MATERIAL BUILD UP CAUSED BY CONSTRUCTION AND TO RESTORE SOIL PERCOLATION. BMP'S MAY BE INSTALLED AT THE BASIN INLET(S) TO PREVENT THE FINES FROM ENTERING THE BASIN.
28. SEE THE ASSOCIATED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS A PART OF THIS GRADING PERMIT.
29. CONTACT PERMITS AND CODES AT (520) 791-5100 FOR ANY QUESTIONS REGARDING ANY RIGHT-OF-WAY PERMIT REQUIREMENTS.
30. AS-BUILTS AND LETTERS OF COMPLETION FOR BASIN AND OVERALL PROJECT ARE REQUIRED.
31. A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF ARIZONA, SHALL SUBMIT A STATEMENT OF CONFORMANCE TO AS-BUILT PLAN AND THE SPECIFICATIONS.

MAINTENANCE OF DETENTION/RETENTION FACILITIES

32. THE OWNER SHALL BE SOLELY RESPONSIBLE FOR OPERATION, MAINTENANCE AND LIABILITY FOR PRIVATE DRAINAGE STRUCTURES AND DETENTION/RETENTION BASINS.
33. THE OWNER SHALL HAVE AN ARIZONA REGISTERED PROFESSIONAL CIVIL ENGINEER PREPARE A CERTIFIED INSPECTION REPORT FOR THE PRIVATE DRAINAGE AND DETENTION/RETENTION FACILITIES AT LEAST ONCE EACH YEAR. THESE CERTIFIED REPORTS WILL BE ON FILE WITH THE OWNER FOR REVIEW BY CITY STAFF, UPON WRITTEN REQUEST.
34. CITY STAFF MAY PERIODICALLY INSPECT THE PRIVATE DRAINAGE AND DETENTION/RETENTION FACILITIES TO VERIFY THAT SCHEDULED AND UNSCHEDULED MAINTENANCE ACTIVITIES ARE BEING PERFORMED ADEQUATELY.
35. THE OWNER AGREES TO REIMBURSE THE CITY FOR ANY AND ALL COSTS ASSOCIATED WITH MAINTAINING THE PRIVATE DRAINAGE AND DETENTION/RETENTION FACILITIES. SHOULD THE CITY FIND THE OWNER DEFICIENT IN THEIR OBLIGATION TO ADEQUATELY OPERATE AND MAINTAIN THEIR FACILITIES.

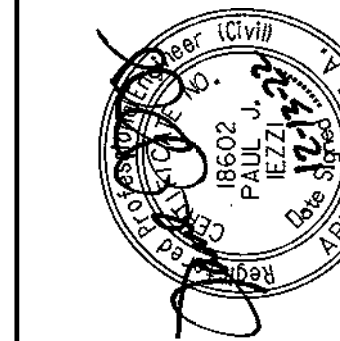
1. UTILITY LOCATIONS AS SHOWN ON THE PLANS ARE BASED ON A SEARCH OF AVAILABLE RECORDS AND INFORMATION PROVIDED BY THE UTILITY COMPANIES OR AGENCIES. UTILITY LOCATIONS SHOWN ARE APPROXIMATE, AND THERE MAY BE EXISTING UTILITIES WHICH ARE NOT SHOWN ON THESE PLANS; THEREFORE, THE POSSIBILITY OF CONFLICTS WITH UTILITIES IN SERVICE EXISTS. THE CONTRACTOR SHALL CALL ARIZONA 811 AT 811, AT LEAST 2 WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION, TO REQUEST VERIFICATION OF THE LOCATION AND ELEVATION OF ALL UTILITIES WITHIN THE WORK AREA. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR COSTS INCURRED AS A RESULT OF DAMAGE TO UTILITIES CAUSED BY HIS OPERATIONS.
2. ALL STATIONING IS MEASURED ALONG STREET CENTERLINE, UNLESS OTHERWISE NOTED.
3. AGGREGATE BASE COURSE SHALL CONFORM TO PAG STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, SECTION 303, UNLESS OTHERWISE SPECIFIED.
4. ASPHALTIC CONCRETE SHALL CONFORM TO PAG STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, SECTION 406, MIX #2, UNLESS OTHERWISE SPECIFIED.
5. ALL CONCRETE SHALL COMPLY TO PAG STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, SECTION 1006, CLASS S, 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS, UNLESS OTHERWISE SPECIFIED.
6. STREET STRIPING AND SIGNAGE TO BE COORDINATED WITH CITY OF TUCSON TRAFFIC ENGINEERING, CALL (520) 791-4259 PRIOR TO OPENING STREETS TO PUBLIC USE. INSTALLING OR REMOVING STRIPING AND SIGNAGE, OBLITERATION OF EXISTING PAVEMENT STRIPING SHALL BE IN ACCORDANCE WITH SECTION 701-3.03 F OF THE PAG STANDARD SPECIFICATIONS.
7. THE CONTRACTOR MUST SUBMIT A BARRICADE PLAN FOR CITY OF TUCSON TRAFFIC ENGINEERING, CALL (520) 791-4259 APPROVAL 48 HOURS IN ADVANCE OF ACTUAL NEED. THE BARRICADE PLAN SHALL INCLUDE WARNING SIGNS, BARRICADES, ETC. IN ACCORDANCE WITH THE M.U.T.C.D. ADOPTED BY THE STATE OF ARIZONA PER A.R.S. 28-650 AND BE SUBMITTED 48 HOURS IN ADVANCE OF APPROVAL FOR WORK WITHIN RIGHT-OF-WAY.
8. ALL SIGNS AND PAVEMENT MARKINGS ARE TO BE CONSTRUCTED AND INSTALLED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND COORDINATED WITH THE CITY OF TUCSON TRAFFIC ENGINEERING OFFICE. CALL (520) 791-4259 A MINIMUM OF 48 HOURS PRIOR TO REMOVAL OF ANY SIGNING OR STRIPING. NEW STRIPING SHALL BE THERMOPLASTIC MATERIAL. IF ANY OMITTED/ADDITIONAL SIGNS ARE DEEMED NECESSARY, THE CONTRACTOR SHALL INSTALL THESE AT NO ADDITIONAL EXPENSE TO THE PUBLIC.
9. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION IS REFERENCED AND IS PART OF THE SPECIFICATIONS FOR THIS PROJECT.
10. THE DESIGN SPEED FOR THESE STREETS IS 25 MPH. THE DESIGN VEHICLE IS WB-40.
11. AN EXCAVATION PERMIT SHALL BE OBTAINED FROM THE CITY OF TUCSON TRANSPORTATION DEPARTMENT, PRIOR TO ANY WORK IN THE PUBLIC RIGHT-OF-WAY.
12. A PRE-CONSTRUCTION FIELD MEETING SHALL BE CONDUCTED WITH THE CITY OF TUCSON TRANSPORTATION DEPARTMENT PRIOR TO ANY WORK IN THE PUBLIC RIGHT-OF-WAY.

13. THE EXTENT AND TYPE OF SURFACE TREATMENTS/REPAIRS INDICATED ON THE PLANS MAY NOT BE ALL INCLUSIVE OF THE WORK THAT IS NEEDED. DEPENDING ON FIELD CONDITIONS, ADDITIONAL WORK MAY BE NEEDED.

14. ALL ROOF DOWNSPOUTS SHALL BE ROUTED UNDER ANY ADJACENT SIDEWALKS.

- CURB RADII ARE MEASURED TO FRONT FACE OF CURB.
2. THE CONTRACTOR SHALL VERIFY EXISTENCE OF ALL UTILITIES BY CALLING ARIZONA 811 AT 811 TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. THE PLAN LOCATIONS OF EXISTING UTILITIES BEING SHOWN ARE APPROXIMATE.
3. THE CONTRACTOR AGREES TO PROTECT ALL ADJACENT PROPERTY AND EXISTING IMPROVEMENTS, INCLUDING POSITIVE CONTROL OF EARTH SPILLAGE, CONSTRUCTION WATER, AND RUNOFF WATERS.
4. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
5. THE EXISTENCE AND LOCATION OF ANY EXISTING UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A REPRESENTATION OF THE ACCURACY OR COMPLETENESS OF THE LOCATION OR THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEANS TO PROTECT ANY UTILITY NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR COSTS INCURRED AS A RESULT OF DAMAGE TO UTILITIES CAUSED BY HIS OPERATIONS.
6. IF THERE ARE ANY QUESTIONS REGARDING THESE PLANS OR FIELD STAKES, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION BEFORE DOING ANY WORK BY CALLING THE ENGINEER OF WORK AT (520) 795-1000.
7. RETAINING WALLS AND/OR SCREEN WALLS REFERENCED ON THIS PLAN ARE TO BE DESIGNED BY OTHERS. ELEVATIONS SHOWN HEREON ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL CONFIRM EXACT ELEVATIONS. ALL RETAINING WALLS AND/OR SCREEN WALLS REQUIRE A SEPARATE BUILDING PERMIT AND ARE NOT COVERED UNDER THE GRADING PERMIT FOR THIS PROJECT.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CALCULATE HIS OWN EARTHWORK QUANTITIES AND SUBMIT HIS BID THEREON. EARTHWORK QUANTITIES SHOWN HEREON ARE ESTIMATED FOR PERMITTING PURPOSES ONLY AND ARE NOT TO BE USED FOR BIDDING OR PAYMENT QUANTITIES.
9. ALL NOTES SHALL CROSS-APPLY TO ALL CONSTRUCTION DISCIPLINES INVOLVED WITH THIS PROJECT.
10. FACE OF CURB REVEAL IS 6 INCHES UNLESS OTHERWISE SHOWN.
11. SOME ELEVATIONS ARE SHORTENED FOR CLARITY, REMOVING THE THOUSAND AND HUNDRED UNIT VALUES. SEE BASIS OF ELEVATION FOR FULL ELEVATION REFERENCE.
12. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE NATIVE VEGETATION WITHIN ALL OPEN SPACE AREAS AND CONFINE HIS OPERATIONS TO THE GRADING LIMITS SHOWN.
13. WRITTEN PERMISSION SHALL BE OBTAINED IN ADVANCE FOR ANY OFF-SITE GRADING.
14. THE CONTRACTOR SHALL FACILITATE THE WORK OF THE SOILS ENGINEER DURING HIS OBSERVATIONS AND COMPACTION TESTS DURING THE FILLING AND COMPACTION OPERATIONS.
15. ALL EARTHWORK OPERATIONS SHALL BE DONE UNDER THE OBSERVATION OF A SOILS ENGINEER AND IN ACCORDANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS SET FORTH IN THE SOILS REPORT. THE SOILS ENGINEER SHALL OBSERVE, INSPECT, AND TEST ALL EARTHWORK OPERATIONS, INCLUDING, BUT NOT LIMITED TO, CLEARING AND GRUBBING, SUBGRADE PREPARATION, STRUCTURAL AND TRENCH EXCAVATION AND BACKFILL, AND PLACEMENT AND COMPACTION OF FILL.
16. CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A UNIFORM CROSS-SECTION. THE SLOPE OF THE EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS SHOWN ON THE PLANS AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS, OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SLOPES SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
17. PRIOR TO THE START OF GRADING, ALL VEGETATION AND OBSTRUCTIONS, AS WELL AS TRASH, SHALL BE REMOVED FROM CUT AND FILL AREAS AND LEGALLY DISPOSED OF OFF-SITE. ANY EXISTING IRRIGATION, DRAINAGE OR UTILITY LINES OR OTHER ABANDONED SUBSURFACE STRUCTURES SHALL BE REMOVED, DESTROYED OR ABANDONED IN COMPLIANCE WITH SPECIFICATIONS OF THE APPROPRIATE BUILDING OFFICE OR THE SOILS ENGINEER. BRUSH SHALL BE REMOVED ONLY WITHIN THE AREA TO BE GRADED.
18. THE FINAL TEST RESULTS AND APPROVAL FROM THE SOILS ENGINEER SHALL CONTAIN THE TYPE OF FIELD TESTING PERFORMED AND SUBMITTED TO THE OWNER. EACH TEST SHALL BE IDENTIFIED WITH THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE, DRIVE RING, OR NUCLEAR DENSITY GAUGE.
19. EXISTING MANHOLE RIMS, VALVE COVERS, ETC., TO REMAIN IN PLACE, SHALL BE ADJUSTED TO PROPOSED FINISHED GRADE AND/OR FINISHED SURFACE ELEVATIONS.
20. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FULLY COMPLY WITH THE ARIZONA POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT.

21. THE GENERAL CONTRACTOR SHALL COORDINATE ALL RIP RAP SLOPE TREATMENT REQUIREMENTS WITH THE LANDSCAPE CONTRACTOR. LANDSCAPE PLANTINGS AND IRRIGATION LINES WITHIN AREAS TO BE RIP RAPPED SHALL BE COORDINATED TO FACILITATE THE WORK OF THE LANDSCAPE CONTRACTOR BEFORE THE RIP RAP IS PLACED. SEE LANDSCAPE PLANS FOR PLANTINGS AND IRRIGATION LINES WITHIN AREAS TO BE RIP RAPPED.
22. THE GRADING CONTRACTOR SHALL EXCAVATE AND REMOVE THE SOIL BENEATH ALL PROPOSED RIP RAP AREAS SUCH THAT THE FINISHED SURFACE OF THE RIP RAP WILL MATCH THE FINISHED SURFACE ELEVATION AND SLOPE AS CALLED OUT ON THESE PLANS.
23. ALL RIP RAP IS NOT SHOWN FOR CLARITY. REFER TO THE TYPICAL SLOPE TREATMENT BOX FOR SURFACE TREATMENT OF FINISHED SLOPE FACES.
24. THE GRADING CONTRACTOR SHALL EXCAVATE AND REMOVE THE SOIL BENEATH ALL DECOMPOSED GRANITE AREAS SO THAT THE FINISHED SURFACE OF THE DECOMPOSED GRANITE WILL MATCH THE FINISHED SURFACE ELEVATION AS CALLED OUT ON THESE PLANS. WATER HARVESTING AREAS SHALL BE KEPT LOW TO ACHIEVE THE FULL DEPTH OF WATER HARVESTING TO THE FINISHED SURFACE OF THE DECOMPOSED GRANITE. SEE LANDSCAPE PLANS FOR DECOMPOSED GRANITE AREAS.
25. THE BOTTOMS OF ALL WATER HARVESTING AREAS SHALL BE COMPACTED IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS TO FACILITATE GROUNDWATER INFILTRATION. DECOMPOSED GRANITE USED IN WATER HARVESTING AREAS SHALL BE SCREENED PRIOR TO PLACEMENT TO REMOVE ALL FINE MATERIAL. WATER HARVESTING AREAS SHALL NOT BE UTILIZED FOR WORKER PARKING OR MATERIAL STORAGE AT ANYTIME DURING CONSTRUCTION.
26. THE BOTTOMS OF ALL RETENTION AND/OR DETENTION BASINS SHALL BE COMPACTED IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS TO FACILITATE GROUNDWATER INFILTRATION AND SHALL REMAIN "NATURAL", I.E. DECOMPOSED GRANITE, RIP RAP, HYDROSEED OR OTHER GROUND COVER SHALL NOT BE PLACED IN THE BASIN BOTTOMS. WHENEVER POSSIBLE IRRIGATION LINES AND EQUIPMENT SHALL ALSO NOT BE PLACED WITHIN THE BASIN BOTTOMS. RETENTION AND/OR DETENTION BASINS/AREAS SHALL NOT BE UTILIZED FOR WORKER PARKING OR MATERIAL STORAGE AT ANYTIME DURING CONSTRUCTION. THE CONTRACTOR SHALL SCARIFY ALL RETENTION AND/OR DETENTION BASIN BOTTOMS IMMEDIATELY PRIOR TO REMOVING EARTHWORK EQUIPMENT FROM PROJECT SITE AND/OR BEGINNING LANDSCAPING ACTIVITIES. CONTRACTOR SHALL CONFIRM AND CONFIRM WITH THE SOILS ENGINEER THE SPECIFIC COMPACTION/TREATMENT SPECIFICATION REQUIREMENTS FOR THE BASIN BOTTOMS.
27. THE CONTRACTOR SHALL CONFIRM THAT ALL RETENTION AND/OR DETENTION BASINS ARE CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SHALL CONFIRM THE REQUIRED STORAGE VOLUMES PRIOR TO BEGINNING ANY LANDSCAPING ACTIVITIES WITHIN OR ADJACENT TO THE BASINS. IT IS STRONGLY RECOMMENDED THAT ALL RETENTION AND/OR DETENTION BASINS BE BLUE TOPPED FOR FINAL GRADE CONTROL. ALL BASINS SHALL BE AS-BUILT IN THEIR ENTIRETY BY A REGISTERED LAND SURVEYOR. SEALED AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR VOLUME CONFIRMATION PRIOR TO BEGINNING ANY LANDSCAPING ACTIVITIES WITHIN OR ADJACENT TO THE BASINS.
28. ALL REMAINING DISTURBED AREAS, EXCEPT RETENTION AND/OR DETENTION BASIN BOTTOMS, NOT OTHERWISE ALREADY TREATED, SHALL BE STABILIZED IN A FINAL MANNER IN CONFORMANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT. A NOTICE OF TERMINATION TO CLOSE OUT THE SWPPP'S NOTICE OF INTENT CANNOT BE FILED WITH ADEQ UNTIL THESE FINAL STABILIZATION MEASURES ARE IN PLACE.
29. PER SECTION 404 OF THE CLEAN WATER ACT, DREDGED OR FILL MATERIAL SHALL NOT BE PERMANENTLY OR TEMPORARILY PLACED IN ANY JURISDICTIONAL WATERS.



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