

GENERAL NOTES

1. ALL CONSTRUCTION, MATERIALS, AND TEST METHODS SHALL CONFORM TO MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC IMPROVEMENTS, AND LATEST REVISIONS THERETO, EXCEPT AS MODIFIED BY THE CONTRACT DOCUMENTS.
2. UTILITY LOCATIONS SHOWN ON PLANS WHERE COMPILED BASED ON THE BEST INFORMATION AVAILABLE TO THE SANTA CRUZ COUNTY (COUNTY) UTILITY LOCATIONS ARE NOT INTENDED TO BE EXACT OR COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL THE EXISTING UNDERGROUND AND ABOVE GROUND UTILITIES WHICH PERTAIN TO AND MAY AFFECT THE CONSTRUCTION OF THIS PROJECT. UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHOWING ON THESE PROJECT PLANS TO BE SUBMITTED OR MODIFIED WITH THE APPROVAL OF THE ENGINEER OR THE OWNER OF THE UTILITY. THE CONTRACTOR MAY REMOVE AND REPLACE OR RELOCATE EXISTING UTILITIES FOR HIS CONVENIENCE. NO SEPARATE MEASUREMENT OR RELOCATION WILL BE MADE FOR PROTECTION. REMOVAL AND REPLACEMENT OR RELOCATION OF EXISTING UTILITIES. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE OTHER ITEMS OF WORK, EXCEPT WHEN THE BIDDING SCHEDULE CONTAINS SPECIFIC ITEMS ON A UNIT BASIS. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES WITH THE APPROPRIATE ORGANIZATIONS. CONTACT "BLUE STAKE" AT 1-800-STAKE-IT TWO FULL WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE COUNTY IN WRITING OF ANY UTILITY LOCATIONS DISCOVERED DIFFERING FROM THE PLAN INFORMATION IN A TIMELY MANNER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A PROPOSED SEQUENCE OF OPERATIONS AND COMPATIBLE METHOD OF MAINTAINING TRAFFIC. CONSTRUCTION ZONE TRAFFIC CONTROL SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, EDITION OF 2000 AND LATEST REVISIONS HEREOF. ADJUSTED BELT LOCATIONS WITHIN LIMITS OF PAVEMENT WIDENING IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. UPON COMMENCEMENT OF WORK, TRAFFIC CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS THE WORK IS COMPLETED.
4. RIGHT-OF-WAY ENCROACHMENTS SHALL BE REMOVED ONLY BY THE ORDER OF THE COUNTY, UNLESS OTHERWISE NOTED.
5. REMOVAL OF ALL CACTI AND NATIVE PLANTS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE "ARIZONA NATIVE PLANT LAW", A.R.S., CHAPTER 7, (ARS SECTION 3-901, ET. SEQ) AND THE SANTA CRUZ COUNTY NATIVE PLANT PRESERVATION ORDINANCE.
6. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, IN PARTICULAR SHORING OF TRENCHES.
7. ALL EXISTING MANHOLES FRAMES AND COVERS, SURVEY MONUMENTS, AND WATER VALVES, ETC., SHALL BE ADJUSTED TO MATCH FINISHED GRADE WHERE APPLICABLE AND ASSET. THE ENGINEER'S WORK SHALL BE CONSIDERED INCIDENTAL TO THE OTHER ITEMS OF WORK, EXCEPT WHEN THE BIDDING SCHEDULE CONTAINS SPECIFIC ITEMS ON A UNIT BASIS.
8. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY ALL GOVERNMENTAL AGENCIES. HOWEVER, SINCE PROJECT PLANS HAS BEEN PREPARED IN ACCORDANCE WITH THE COUNTY FLOODPLAIN AND GRADING ORDINANCE, THERE IS NO REQUIREMENT TO APPLY FOR EITHER OF THESE PERMITS. FOR WORK BEYOND THE SCOPE OF THE PROJECT LIMITS, PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL OBTAIN A SEPARATE FLOODPLAIN AND/OR GRADING PERMIT PRIOR TO COMMENCING SUCH WORK.
9. THE CONTRACTOR SHALL REMOVE AND RELOCATE, AS DIRECTED BY THE ENGINEER, ALL MAILBOXES, FENCES, GATES, SIGNS, POSTS, PIPE, ETC., WITHIN THE RIGHT-OF-WAY AND CONSTRUCTION EXISTENCE AREAS. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK, EXCEPT WHEN THE BIDDING SCHEDULE CONTAINS SPECIFIC ITEMS ON A UNIT BASIS.
10. THE ROADWAY PLANS FOR THIS PROJECT HAVE BEEN DESIGNED, USING MAG STANDARD DETAILS, ADOT CONSTRUCTION STANDARD DRAWINGS, 2000 (G-SERIES), AND ADOT STRUCTURES STANDARD DRAWINGS, 1992 (B SERIES).
11. ALL PERMANENT TRAFFIC CONTROL SIGNING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE MAG TRAFFIC SIGNING DESIGN MANUAL, AND LATEST REVISIONS THERETO.
12. ALL PERMANENT PAVEMENT MARKINGS SHALL BE APPLIED BY THE CONTRACTOR IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PROJECT PLANS AND WITH THE MAG MARKING DESIGN MANUAL, AND LATEST REVISIONS THERETO.
13. SOILS INFORMATION WILL BE MADE AVAILABLE TO THE CONTRACTOR UPON REQUEST OF COUNTY. SOILS INFORMATION SO PROVIDED SHALL BE FOR INFORMATION PURPOSES ONLY AND IS NOT TO BE CONSIDERED AS A PART OF THE CONTRACT DOCUMENTS. THIS INFORMATION WAS DEVELOPED AS ACCURATELY AS POSSIBLE BY THE METHODS UTILIZED. THE COUNTY ACCEPTS NO RESPONSIBILITY FOR ANY CONDITIONS ENCOUNTERED WHICH VARY FROM INFORMATION PROVIDED.
14. BASIS OF BEARING IS GEODETIC, BASED ON GPS OBSERVATIONS.



15. BASIS OF ELEVATION IS NAVD 88.
16. BASIS OF STATIONING IS 23+00.00 AT THE FRONTAGE ROAD'S INTERSECTION WITH PALO PARADO ROAD AT 1-19.
17. 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.
18. THE CONTRACTOR SHALL PRESERVE ALL STAKES SET FOR THE LINES, LEVELS OR MEASUREMENTS OF THE WORK HEREIN FROM PLACES UNTIL AUTHORIZED TO REMOVE THEM. IF THE CONTRACTOR OR HIS SUBORDINATES MAY HAVE FAILED TO PRESERVE ANY STAKES SET FOR THE CONTRACTOR.
19. ASPHALTIC CONCRETE SHALL CONFORM TO MAG SSP1 SECTION 406, FOR NEW PAVEMENT.
20. AGGREGATE BASE COURSE SHALL CONFORM TO PC/COT SSP1 SECTION 303.
21. ALL CONCRETE SHALL COMPLY WITH THE PC/COT SSP1 SECTION 1006, CLASS S 3000 PSI COMPRESSED STRENGTH AT 28 DAYS, UNLESS OTHERWISE SPECIFIED.
22. 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 SHALL BE INCIDENTAL TO OTHER BID ITEMS.
23. IF CONSTRUCTION WATER IS NOT AVAILABLE IN THE AREA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CONSTRUCTION WATER.
24. SANITARY SEWER FACILITIES WITHIN THE PROJECT LIMITS SHALL BE LOCATED AND PROTECTED AT ALL TIMES.
25. A COPY OF THE CONTRACT DOCUMENTS SHALL BE KEPT IN AN EASILY ACCESSIBLE LOCATION ON THE SITE AT ALL TIMES DURING CONSTRUCTION.

GRADING NOTES

1. CONTOUR LINES ON THE GRADING PLAN ARE TO BE USED FOR ROUGH GRADING. SPECIFIC SPOT ELEVATIONS ARE TO BE USED FOR FINAL GRADING AND CONSTRUCTION.
2. ALL WORK SHALL CONFORM TO GRADING STANDARDS.
3. ALL SLOPES THAT ARE 2:1 SHALL BE RIPRAPPED. ALL SLOPES AND GRADED AREAS 3:1 OR FLATTER SHALL BE REVEGETATED.
4. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REGULATIONS AND REQUESTS BY THE COUNTY REGARDING DUST CONTROL.
5. PRIOR TO GRADING, ALL ORGANIC MATTER SHALL BE REMOVED WITHIN THE CLEARING LIMITS FOR NECESSARY GRADING TO A DEPTH OF SIX (6) INCHES AND HAULED FROM THE SITE.

SIGNING NOTES

1. ALL SIGNS SHALL BE IN COMPLIANCE WITH THE 2000 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST REVISIONS THERETO, AND TO ADOT STANDARDS AND SPECIFICATIONS.
2. SIGNS MAY BE MODIFIED AND LOCATIONS ADJUSTED TO FIT CONDITIONS AS DIRECTED BY THE TRAFFIC ENGINEER OR DESIGNER.
3. POST LENGTHS INDICATED IN THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL POST LENGTHS.
4. ALL PERFORATED POSTS SHALL BE INSTALLED IN A CONCRETE FOUNDATION, UNLESS OTHERWISE DIRECTED BY THE TRAFFIC ENGINEER.
5. ALL SIGN STATION LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL SIGN LOCATIONS WITH THE TRAFFIC ENGINEER PRIOR TO THE INSTALLATION OF ALL SIGNS. AND FOR INSTALLING ALL TRAFFIC SIGNS IN THE FIELD.
7. ALL NEW SIGNS SHALL HAVE AN ALUMINUM BACKING, UNLESS OTHERWISE SPECIFIED.
8. ALL EXISTING SIGNS TO BE REMOVED AS PART OF THIS PROJECT ARE TO BE DELIVERED TO THE COUNTY. CONTRACTOR IS RESPONSIBLE FOR UNLOADING THE SALVAGED MATERIAL. SALVAGED SIGN THAT IS TO BE REUSED SHALL BE TEMPORARILY STORED IN A SAFE LOCATION UNTIL REINSTALLATION.
9. THE DESIGN SPEED IS 55 MPH. THE POSTED SPEED LIMIT IS 45 MPH. SIGN PLACEMENT SHALL BE BASED ON POSTED SPEED LIMIT.

PAVEMENT MARKING NOTES

1. ALL PAVEMENT MARKINGS SHALL CONFORM TO MAG STANDARDS AND SPECIFICATIONS.
2. THE PERMANENT PAVEMENT MARKINGS MAY BE MODIFIED AS DIRECTED BY THE TRAFFIC ENGINEER.
3. THE DESIGN VEHICLE IS WB-40. THE DESIGN SPEED IS 55 MPH. THE POSTED SPEED LIMIT IS 55 MPH. NEAR PENULTIMATE DRIVE AT ALTERNATIVE 3. THE DESIGN SPEED AND POSTED SPEED LIMIT IS 25 MPH.
4. ALL LANE DIMENSIONS ARE FROM CENTER OF LANE LINE, CENTER OF DOUBLE LANE LINE, FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
5. THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, DETAILS, AND STANDARDS WHEN INSTALLING PAVEMENT STRIPPING, MARKINGS AND MARKERS.
6. THE FINAL LONGITUDINAL STRIPING SHALL BE 60 MIL (0.060") THICK HOT-SPRAYED THERMOPLASTIC REFLECTORIZED STRIPING PLACED OVER THE TEMPORARY STRIPING WITHIN 4 TO 30 CALENDAR DAYS AFTER COMPLETION OF THE FINAL PAVEMENT SURFACE. OR AS DIRECTED BY THE TRAFFIC ENGINEER. ALL OTHER MARKINGS SHALL BE APPLIED AT THE SAME TIME. TEMPORARY STRIPING SHALL BE PAINT.
7. ALL FINAL TRANSVERSE MARKINGS SHALL BE HOT SPRAYED 90 MIL THERMOPLASTIC STRIPING (0.90"). ALL PAVEMENT ARROWS AND LEGENDS SHALL BE HOT SPRAYED 90 MIL THERMOPLASTIC PAVEMENT MARKING APPROVED BY THE TRAFFIC ENGINEER. PREFERRED APPLICATION MAY BE USED IF APPROVED BY THE TRAFFIC ENGINEER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PAVEMENT MARKINGS ON FINAL SURFACE COURSE FOLLOWING CONTROL POINTS THAT HAVE BEEN SET NO MORE THAN 50 FEET APART ALONG THE LINES TO BE STRIPED. THE LAYOUT AND INSPECTION OF ALL PAVEMENT MARKINGS SHALL BE APPROVED BY THE TRAFFIC ENGINEER PRIOR TO THE APPLICATION OF MATERIALS.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FINAL SURFACE COURSE IS PLACED SO THAT THE STRIPING IS OFFSET ONE FOOT CLEAR OF THE CONSTRUCTION JOINT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE TO THE SATISFACTION OF THE TRAFFIC ENGINEER BY SWEEPING AND AIR-BLOWING. THE CONTRACTOR SHALL NOT USE LINES TO CLEAN DEGREES PAVEMENT. THE PLACEMENT OF HOT SPRA THERMOPLASTIC STRIPING, AND 40 DEGREES F, FOR THE PLACEMENT OF RIPS.
11. ALL RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INSTALLED SO THAT THE REFLECTIVE FACE OF EACH MARKER IS FACING THE DIRECTION OF TRAFFIC AND IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW. TYPE C PAVEMENT MARKERS SHALL BE INSTALLED SO THAT THE CLEAR REFLECTIVE FACE OF EACH MARKER IS FACING APPROACHING TRAFFIC AND PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW.
12. ALL REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ADOT STANDARD SPECIFICATIONS. PAINTING OVER EXISTING STRIPING DOES NOT CONSTITUTE APPROVED STRIPING OBLITERATION.
13. THE ENGINEER OF RECORD SHALL BE REQUIRED TO PRODUCE AS-BUILT STRIPING PLANS WITHIN 90 DAYS OF STRIPING COMPLETION.
14. BLUE RAISED PAVEMENT MARKERS SHALL BE PLACED ADJACENT TO FIRE HYDRANTS AS DETAILED HEREIN.
15. FINAL INSPECTION/ACCEPTANCE OF PAVEMENT MARKINGS SHALL BE PERFORMED BY THE TRAFFIC ENGINEER.

SCALE

HORIZ: N/A
VERT: N/A

SHEET 3 OF 96

SANTA CRUZ COUNTY DEPARTMENT OF PUBLIC WORKS

CPE CONSULTANTS
JOB NO. 211
378 N. Main Avenue
Tucson, AZ 85701
520-545-7001



NO.	REVISION DESCRIPTION	DIV. - SECT.	ENGR	DATE

ALIGNMENT DESIGN CONCEPT PLANS FOR
PALO PARADO
NOTES
SANTA CRUZ COUNTY, AZ

DESIGNED BY	TB/VG	DATE
DRAWN BY	TB/VG/AEK	03/2008
CHECKED BY	VG	03/2008
PROJ. ENGR.	YDD	03/2008