COUNTY GENERAL NOTES

1. ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING: COUNTY OF SAN JOAQUIN IMPROVEMENT STANDARDS, ADOPTED MAY 1997, AND ALL AMENDMENTS THERETO TO DATE, CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, LATEST EDITION, WHERE APPLICABLE. ALL WORK SHALL BE INSPECTED BY THE COUNTY OF SAN JOAQUIN.

2. PRIOR TO AND DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR BEING FAMILIAR WITH THE CURRENT COUNTY OF SAN JOAQUIN STANDARDS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR BEING FAMILIAR WITH THE WRITTEN SPECIFICATIONS AND/OR OTHER STANDARD DETAILS NOT SHOWN BUT WHICH ARE INCLUDED IN THE "COUNTY OF SAN JOAQUIN IMPROVEMENT STANDARDS".

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FROM DAMAGE ALL EXISTING IMPROVEMENTS THAT ARE TO REMAIN. SUCH IMPROVEMENTS THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT HIS EXPENSE.

4. THE CONTRACTOR SHALL DEMOLISH, EXCAVATE, REMOVE AND DISPOSE OF ALL EXISTING CONCRETE CURB, GUTTER AND/OR SIDEWALK, ASPHALT CONCRETE PAVING, BASE MATERIAL, AND DELETERIOUS MATERIAL AS REQUIRED TO CONSTRUCT THE CONTRACT WORK. ALL SUCH EXCESS MATERIAL GENERATED SHALL BE DISPOSED OF FROM THE SITE BY THE CONTRACTOR.

5. THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR ANY WORK DONE WITHIN THE COUNTY RIGHT-OF-WAY FROM THE COUNTY OF SAN JOAQUIN PUBLIC WORKS DEPARTMENT, AND NOTIFY THE COUNTY 48 HOURS IN ADVANCE OF STARTING ANY WORK TO BE ACCEPTED FOR OWNERSHIP AND MAINTENANCE BY THE COUNTY OF SAN JOAQUIN.

6. WORK IN PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE BY THE COUNTY OF SAN JOAQUIN PUBLIC WORKS DEPARTMENT.

7. PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE IN THE FIELD THEIR MAIN SERVICE LINES. THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (1-800-227-2600).

8. THE CONTRACTOR SHALL CHECK WITH THE UTILITY COMPANIES AND VERIFY ALL UTILITY LOCATIONS. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF HIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICES TO THE DEVELOPMENT. FINAL PAVEMENT WORK SHALL NOT OCCUR WITHIN THE ROAD RIGHT-OF-WAY PRIOR TO COMPLETION OF UTILITY RELOCATION WITHOUT SPECIFIC APPROVAL OF DIRECTOR.

9. WHENEVER EXISTING PAVEMENT IS BROKEN OR CUT DURING THE INSTALLATION OF THE WORK COVERED BY THESE PLANS AND SPECIFICATIONS, THE PAVEMENT SHALL BE REPLACED WITH PAVEMENT MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL PAVING. THE FINISHED PAVEMENT SHALL BE SUBJECT TO THE APPROVAL OF THE SAN JOAQUIN COUNTY PUBLIC WORKS DIRECTOR IF LOCATED WITHIN COUNTY RIGHT-OF-WAY.

10. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, THE ENGINEER AND THE COUNTY OF SAN JOAQUIN, ITS ELECTED OFFICIALS, OFFICERS, EMPLOYEES, AND AGENTS 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.

11. DUST CONTROL SHALL BE PERFORMED AT ALL TIMES, AT THE CONTRACTOR'S EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 10 OF CALTRANS STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF THE COUNTY OF SAN JOAQUIN.

12. THE COMPLETED PROJECT, INCLUDING ALL WORK, MATERIALS, DEVICES AND EQUIPMENT, SHALL BE GUARANTEED BY THE DEVELOPER AGAINST FAULTY WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE BY THE COUNTY OF SAN JOAQUIN PUBLIC WORKS DEPARTMENT. THE DEVELOPER SHALL BE RESPONSIBLE FOR ALL REPAIR AND/OR REPLACEMENTS INCLUDING ALL LABOR, MATERIALS, EQUIPMENT, DEVICES, PLANT AND OTHER ITEMS OF WORK NECESSARY. TO SECURE THIS GUARANTEE, A BOND OR OTHER SECURITY SHALL BE PROVIDED IN THE AMOUNT OF 20% OF THE VALUE OF THE WORK ESTIMATED BY THE ENGINEER. SAID BOND SHALL CONTINUE IN FULL FORCE AND EFFECT FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE FORMAL ACCEPTANCE OF THE WORK BY THE COUNTY OF SAN JOAQUIN PUBLIC WORKS DEPARTMENT.

13. ANY IMPROVEMENTS CONSTRUCTED TO THESE SPECIFICATIONS AND WHICH IT IS INTENDED THAT THE COUNTY WILL ASSUME MAINTENANCE RESPONSIBILITY, MUST BE INSPECTED DURING CONSTRUCTION BY AN AUTHORIZED AGENT OF THE DEVELOPER AND DIRECTOR. EACH PHASE OF CONSTRUCTION MUST BE INSPECTED AND APPROVED PRIOR TO PROCEEDING TO THE SUBSEQUENT PHASES. ANY IMPROVEMENTS CONSTRUCTED WITHOUT INSPECTION AS PROVIDED ABOVE OR CONSTRUCTED CONTRARY TO THE ORDERS OR INSTRUCTIONS OF THE AUTHORIZED AGENT OF THE DEVELOPER AND DIRECTOR WILL BE DEEMED AS NOT COMPLYING WITH SAN JOAQUIN COUNTY STANDARDS AND SPECIFICATIONS, AND WILL NOT BE ACCEPTED BY SAN JOAQUIN COUNTY FOR MAINTENANCE PURPOSES. THE DEVELOPER WILL HAVE COMPACTION TESTS TAKEN ON ALL LOTS WHERE THE DEPTH OF FILL IS GREATER THAN SEVEN (7") INCHES AND WITHIN THE STREETS. RE-TESTS THAT ARE THE RESULT OF THE CONTRACTOR'S FAILURE TO COMPACT THESE AREAS AS REQUIRED WILL BE BORNE BY THE CONTRACTOR. THE COUNTY DEPARTMENT OF PUBLIC WORKS WILL PERFORM FIELD INSPECTION FOR THIS PROJECT. THE CIVIL ENGINEER, DIRECTOR AND DEVELOPER, OR THEIR AGENTS, SHALL AT ALL TIMES, HAVE ACCESS TO THE WORK DURING ITS CONSTRUCTION, AND SHALL BE FURNISHED WITH EVERY REASONABLE FACILITY FOR ASCERTAINING THAT THE MATERIALS AND WORKMANSHIP ARE IN ACCORDANCE WITH THE REQUIREMENTS AND INTENTIONS OF THESE SPECIFICATIONS, SPECIAL PROVISIONS, AND PLANS. ALL WORK DONE AND ALL MATERIALS FURNISHED SHALL BE SUBJECT TO REVIEW. THE REVIEW OF THE WORK OR MATERIALS SHALL NOT RELIEVE THE CONTRACTOR AND DEVELOPER OF ANY OF THEIR OBLIGATIONS TO FULFILL THEIR CONTRACT AS PRESCRIBED.

14. UPON COMPLETION OF ANY IMPROVEMENTS WHICH ARE CONSTRUCTED UNDER AND IN CONFORMANCE WITH THESE STANDARDS AND SPECIFICATIONS, AND PRIOR TO REQUESTING FINAL INSPECTION, THE AREA SHALL BE THOROUGHLY CLEANED OF ALL RUBBISH, EXCESS MATERIAL AND EQUIPMENT; AND ALL PORTIONS OF THE WORK SHALL BE LEFT IN A NEAT AND ORDERLY CONDITION, SATISFACTORY TO THE DIRECTOR AND THE DEVELOPER. WITHIN TEN (10) DAYS AFTER RECEIVING THE REQUEST FOR FINAL INSPECTION, THE DIRECTOR SHALL INSPECT THE WORK. THE DEVELOPER, OR HIS AUTHORIZED REPRESENTATIVE, WILL BE NOTIFIED IN WRITING AS TO ANY PARTICULAR DEFECTS OR DEFICIENCIES TO BE REMEDIED. THE CONTRACTOR SHALL PROCEED TO CORRECT ANY SUCH DEFECTS OR DEFICIENCIES AT THE EARLIEST POSSIBLE DATE. AT SUCH TIME, AS THE WORK HAS BEEN COMPLETED, A SECOND INSPECTION SHALL BE MADE BY THE DIRECTOR TO DETERMINE IF THE PREVIOUSLY MENTIONED DEFECTS HAVE BEEN REPAIRED, ALTERED AND COMPLETED IN ACCORDANCE WITH THESE STANDARDS AND SPECIFICATIONS. ACCEPTANCE WILL OCCUR WHEN THE WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.

15. TRAFFIC SIGNS AND MARKINGS SHALL CONFORM TO THE MANUAL ON TRAFFIC CONTROL DEVICES (MUTCD), THE MUTCD CALIFORNIA SUPPLEMENT, CALTRANS STANDARD PLANS, SAN JOAQUIN COUNTY STANDARDS AND AS SHOWN ON THE PLANS. ALL SIGNS SHALL BE VISIBLE TO TRAFFIC FROM ALL DIRECTIONS.

16. DRAINAGE FACILITIES SHALL BE MAINTAINED DURING PERIODS OF INCLEMENT WEATHER AND RESTORED TO THEIR ORIGINAL CONDITIONS UPON COMPLETION OF WORK.

BENCH MARK:

ERM 248 IS THE SOUTHEASTERLY BOLT (WITH A CHISELED "X") ON THE ELECTROLIER BASE ON THE SOUTH SIDE OF CHEROKEE RD AT THE ON-RAMP TO HWY 99 SOUTHBOUND FROM CHEROKEE RD EASTBOUND IN NE STOCKTON.

SPECIFICATIONS

CONTRACTOR NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTIONS AND COMPLETION OF THE PROJECT, AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY RIGHT-OF-WAY, EASEMENTS, ABANDONMENT AND/OR PERMITS ARE SECURED PRIOR TO CONSTRUCTION.

2. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER AND THE SAN JOAQUIN COUNTY PUBLIC WORKS DIRECTOR.

3. THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, CONTROL POINTS, REFERENCE POINTS AND ALL SURVEY STAKES, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL TESTING AND INSPECTION SHALL BE PAID FOR BY THE OWNER; ALL RE-TESTING AND/OR RE-INSPECTION SHALL BE PAID FOR BY THE CONTRACTOR.

5. THE CIVIL ENGINEER SHALL KEEP AN ACCURATE RECORD OF ALL APPROVED DEVIATIONS FROM THE PLANS AND SHALL PROVIDE A COPY OF THESE RECORDS TO THE DIRECTOR UPON COMPLETION OF WORK. THESE ARE TO BE UTILIZED WITH THE INSPECTOR'S PLANS FOR PREPARING A COMPLETE AND ACCURATE SET OF "RECORD DRAWINGS" FOR THE PERMANENT RECORDS OF THE COUNTY. PREPARATION OF THE "RECORD DRAWINGS" IS THE RESPONSIBILITY OF THE DEVELOPER AND HIS CIVIL ENGINEER. "RECORD DRAWINGS" SHALL BE SUBMITTED TO THE DIRECTOR PRIOR TO ACCEPTANCE OF WORK AS COMPLETE. APPROVED DEVIATIONS SHALL BE RECORDED IN RED INK ON THE ORIGINAL APPROVED PLANS, NOT REPRODUCIBLE COPIES. THE ORIGINAL PLANS SHALL NOT BE REMOVED FROM THE DEPARTMENT OF PUBLIC WORKS FOR PREPARATION OF "RECORD DRAWINGS". A WORK AREA WILL BE AVAILABLE FOR MAKING ADDITIONS OR CORRECTIONS, AS WILL THE "RECORD DRAWING" STAMP AND PEN WITH RED INK, IF REQUESTED.

6. LOCATION OF SAW CUTTING AS REPRESENTED ON THESE PLANS SHALL BE DETERMINED IN THE FIELD WITH THE SAN JOAQUIN COUNTY PUBLIC WORKS INSPECTOR. IF THE EXISTING SECTION REQUIRES GRINDING OR OVERLAYING OF A.C., IT SHALL BE DETERMINED IN THE FIELD WITH THE SAN JOAQUIN COUNTY PUBLIC WORKS INSPECTOR.

7. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC HANDLING AND DETOUR PLAN TO THE COUNTY OF SAN JOAQUIN. IF REQUIRED.

ENGINEER GENERAL NOTES

1. ALL TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH SAN JOAQUIN COUNTY STANDARD SPECIFICATION SECTION 5-ALT. A.

2. EXCAVATION OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY.

3. EXISTING UTILITIES ARE SHOWN AS THEY ARE BELIEVED TO EXIST. THE OWNER AND THE ENGINEER DO NOT ACCEPT RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR SHALL HAVE EACH UTILITY COMPANY ACCURATELY LOCATE IN THE FIELD THEIR MAINS AND SERVICE LINES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES.

4. ATTENTION IS CALLED TO: SECTION 1540 (A) (1) OF THE CONSTRUCTION SAFETY ORDERS (TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1540), ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973, AS AMENDED, WHICH STATES:

> "PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATION I.E., SEWER, WATER, FUEL, ELECTRIC LINES, ETC., WILL BE ENCOUNTERED AND, IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING AND WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION."

5. THE CONTRACTOR SHALL CONTACT SAN JOAQUIN COUNTY FIELD OF ENGINEERING DIVISION AT LEAST 72 HOURS IN ADVANCE OF THE CONTRACTOR'S INTENT TO SCHEDULE A PRE-CONSTRUCTION CONFERENCE PRIOR TO STARTING ANY WORK.

6. THE CONTRACTOR SHALL CHECK WITH THE UTILITY COMPANIES AND VERIFY ALL UTILITY LOCATIONS. IT SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF HIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICES TO THE DEVELOPMENT.

7. PAYMENT FOR PAVEMENT WILL BE MADE FOR THE AREAS SHOWN ON THE PLANS. REPLACEMENT OF PAVEMENT WHICH IS BROKEN OR CUT IN THE INSTALLATION OF THE IMPROVEMENTS COVERED BY THESE PLANS AND SPECIFICATIONS, AND WHICH LIES OUTSIDE OF SAID AREAS, SHALL BE INCLUDED IN THE STREET CONTRACTOR'S UNIT PRICE FOR PAVEMENT, AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR SUCH WORK.

8. THE CONTRACTOR SHALL FURNISH, INSTALL OPERATE AND MAINTAIN ALL MACHINERY, APPLIANCES AND EQUIPMENT TO MAINTAIN ALL EXCAVATIONS FREE FROM WATER DURING CONSTRUCTION, AND SHALL DEWATER AND DISPOSE OF THE WATER SO AS TO NOT CAUSE INJURY TO PUBLIC OR PRIVATE PROPERTY, OR TO CAUSE A NUISANCE OR MENACE TO THE PUBLIC. THE DEWATERING SYSTEM SHALL BE INSTALLED AND OPERATED SO THE GROUNDWATER LEVEL OUTSIDE THE EXCAVATION IS NOT REDUCED TO THE EXTENT WHICH WOULD CAUSE DAMAGE OR ENDANGER ADJACENT STRUCTURES OR PROPERTY. ALL COSTS FOR DEWATERING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ALL PIPE CONSTRUCTION. THE STATIC WATER LEVEL SHALL BE DRAWN DOWN A MINIMUM OF 1 FOOT BELOW THE BOTTOM OF EXCAVATION OF ANY FILL TO THE SPECIFIED DENSITY. DISPOSAL OF WATER SHALL BE IN ACCORDANCE WITH THE APPROVED SWPPP AND SHALL NOT DAMAGE PROPERTY, CREATE A PUBLIC NUISANCE OR VIOLATE THE LAW. THE CONTRACTOR SHALL HAVE ON HAND, PUMPING EQUIPMENT AND MACHINERY IN GOOD WORKING CONDITION FOR EMERGENCIES AND SHALL HAVE WORKMEN AVAILABLE FOR ITS OPERATION. THE DEWATERING SYSTEM SHALL OPERATE CONTINUOUSLY UNTIL BACK-FILL HAS BEEN COMPLETED TO 1 FOOT ABOVE THE NORMAL STATIC GROUNDWATER LEVEL.

9. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER AND THE COUNTY ENGINEER.

10. THE CONTRACTOR SHALL SUBMIT PERTINENT PLANS SPECIFICATIONS AND DETAILS FOR STREET LIGHTS TO COUNTY FIELD INSPECTOR FOR APPROVAL PRIOR TO INSTALLATION.

SAN JOAQUIN COUNTY SPECIFICATIONS

3-8

CHANGES ON PLANS AND SPECIFICATIONS--ANY CHANGES TO THE APPROVED IMPROVEMENT PLANS AND SPECIFICATIONS MUST BE PREPARED AND CERTIFIED BY THE CIVIL ENGINEER, AND SHALL BE SUBMITTED TO THE DIRECTOR FOR APPROVAL PRIOR TO IMPLEMENTATION.

SECTION 7

ALTERNATE A

MAINTAINING TRAFFIC--ATTENTION IS DIRECTED TO SECTIONS 7-1.08, "PUBLIC CONVENIENCE," 7-1.09, "PUBLIC SAFETY," AND 12, "CONSTRUCTION AREA TRAFFIC CONTROL DEVICES," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS.

CONSTRUCTION AREA TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE CURRENT MANUAL OF TRAFFIC CONTROLS (CALTRANS) AND SUPPLEMENTED BY THE CURRENT WORK AREA TRAFFIC CONTROL HANDBOOK (BUILDING NEWS).

THROUGH PUBLIC TRAFFIC SHALL BE PERMITTED TO PASS THROUGH CONSTRUCTION OPERATIONS AT ALL TIMES WITH AS LITTLE INCONVENIENCE AND DELAY AS POSSIBLE.

THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL CONSTRUCTION AREA TRAFFIC CONTROL DEVICES WITHIN THE PROJECT AND AT ALL PUBLIC ROAD ENTRANCES TO THE PROJECT.

SECTION 16

ALTERNATE B

CLEARING AND GRUBBING (MINOR)--CLEARING AND GRUBBING SHALL CONFORM TO THE REQUIREMENTS IN SECTION 16, "CLEARING AND GRUBBING," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS.

ALL TREES SHALL BE PRESERVED UNLESS OTHERWISE DESIGNATED ON THE PLANS OR MARKED FOR REMOVAL.

PLANTS AND LAWN IN FRONT OF RESIDENCES SHALL BE PRESERVED ADJACENT TO NEW SHOULDER CONSTRUCTION WHERE NATURAL GROUND SURFACE AND FINISHED GRADE ARE COMPATIBLE, UNLESS OTHERWISE DESIGNATED ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.

TREE TRIMMING WILL BE REQUIRED ONLY WHERE IT IS NECESSARY TO CLEAR CONSTRUCTION EQUIPMENT UNLESS OTHERWISE SHOWN ON THE PLANS.

EXISTING TREE STUMPS INSIDE LIMITS OF WORK SHALL BE REMOVED TO A POINT ONE FOOT (1') BELOW FINISHED GRADE, UNLESS OTHERWISE SHOWN ON PLANS. TREE ROOTS THAT INTERFERE WITH CONSTRUCTION SHALL BE CUT OFF IN A WORKMANLIKE MANNER.

GRASS AND WEEDS MAY BE THOROUGHLY INCORPORATED WITH THE NATIVE SOIL BY DISKING OR OTHER MEANS. MATERIALS CONTAINING GRASS AND WEEDS SHALL BE USED OUTSIDE THE PAVED PORTION OF THE ROADWAY.

BURNING WILL BE ALLOWED WHEN PERMITTED BY THE SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT.

SECTION 17

WATERING--WATERING SHALL CONFORM TO THE REQUIREMENTS IN SECTION 17, "WATERING," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS.

WATER FOR USE ON THIS PROJECT SHALL BE NONPOTABLE WATER UNLESS OTHERWISE APPROVED BY THE COUNTY IN WRITING FOR USE OF POTABLE WATER AND SHALL BE FURNISHED AND APPLIED AS REQUIRED IN THE SPECIFICATIONS.

THE CONTRACTOR SHALL ADVISE THE COUNTY IN WRITING OF THE INTENDED SOURCE(S) TO BE USED, PRIOR TO STARTING WORK ON THE PROJECT.

NONPOTABLE WATER SUPPLY, TANKS, PIPES AND ANY OTHER CONVEYANCES OF NONPOTABLE WATER SHALL BE CLEARLY AND DISTINCTLY LABELED:

NONPOTABLE WATER

DO NOT DRINK

SECTION 19

ALTERNATE B (SANDY SOILS)

EARTHWORK--EARTHWORK SHALL CONFORM TO THE REQUIREMENTS IN SECTION 19, "EARTHWORK," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS.

ALL RELATIVE COMPACTION REQUIREMENTS OF SECTION 19-5, "COMPACTION," OF THE STANDARD SPECIFICATIONS, SHALL BE NOT LESS THAN NINETY PERCENT (90%).

THE REQUIREMENT OF THE SECOND PARAGRAPH OF SECTION 19-5.03, "RELATIVE COMPACTION (95 PERCENT)," OF THE STANDARD SPECIFICATIONS, WILL BE REQUIRED ONLY IN THOSE AREAS SHOWN ON THE PLANS.

IN LIEU OF THE TOLERANCE SPECIFIED IN SECTION 19-1.03B "GRADE TOLERANCE," OF THE STANDARD SPECIFICATIONS, THE SURFACE OF THE GRADING PLANE SHALL NOT BE MORE THAN 0.05 FOOT ABOVE OR BELOW THE GRADE ESTABLISHED BY THE ENGINEER.

BEFORE GRADE IS APPROVED BY THE COUNTY, ALL EARTHWORK (INCLUDING DRIVEWAYS AND SLOPES) SHALL BE COMPACTED TO GRADE. UNLESS OTHERWISE SHOWN ON THE PLANS, ALL SURPLUS MATERIALS NOT TO BE SALVAGED, STOCKPILED OR DISPOSED OF AS PROVIDED IN SECTION 19-2.06, "SURPLUS MATERIAL," OF THE STANDARD SPECIFICATIONS, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF AS PROVIDED IN SECTION 7-1.13, "DISPOSAL OF MATERIAL OUTSIDE THE HIGHWAY RIGHT OF WAY," OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE PLANS, THE EXISTING PAVEMENT, WHEN USED AS EMBANKMENT, SHALL BE BROKEN UP INTO PIECES NOT LARGER THAN 0.33 FOOT IN GREATEST DIMENSION.

SECTION 19

ALTERNATE F

EARTHWORK (CONCRETE CURBS & SIDEWALKS)--EARTHWORK FOR CONCRETE CURBS AND SIDEWALKS SHALL CONFORM TO THE REQUIREMENTS IN SECTION 19, "EARTHWORK," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS.

EXCAVATION FOR CONCRETE CURBS AND SIDEWALKS ALONG IMPROVED FRONTAGES SHALL BE LIMITED TO SIX INCHES (6") BEHIND NEW CONCRETE CONSTRUCTION ADJACENT TO PROPERTY LINE UNLESS OTHERWISE SHOWN ON THE PLANS.

ALL RELATIVE COMPACTION OF SECTION 19-5, "COMPACTION," OF THE STANDARD SPECIFICATIONS, SHALL BE NOT LESS THAN NINETY PERCENT (90%), UNLESS OTHERWISE DESIGNATED ON THE PLANS. THE REQUIREMENT OF THE SECOND PARAGRAPH OF SECTION 19-5.03, "RELATIVE COMPACTION (95 PERCENT)," OF THE STANDARD SPECIFICATIONS, WILL NOT BE REQUIRED.

GROUND AREA TO BE USED F OR LANDSCAPING PURPOSES, WHICH HAS BEEN EXCAVATED OR IS BELOW FINISHED GRADE, SHALL BE BACKFILLED WITH SELECTED MATERIAL OR IMPORTED TOPSOIL, FREE OF STONES, CONFORMING TO THE PROVISIONS OF SECTION 20-2.01, "TOPSOIL," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS, UNLESS OTHERWISE SHOWN ON THE PLANS. BACKFILLED MATERIAL IN GROUND AREAS SHALL BE COMPACTED EQUAL TO NATURAL GROUND AND MAY BE COMPACTED BY PONDING WITH WATER.

THE GROUND AREA ADJACENT TO NEW CONCRETE OR PAVEMENT CONSTRUCTION SHALL BE GRADED FLUSH TO MATCH NEW IMPROVEMENTS AS SHOWN ON THE PLANS. BACKFILL MATERIAL IN SLOPE AREAS GREATER THAN SIX TO ONE SHALL BE SELECTED FOR RESISTANCE TO EROSION.

UNLESS OTHERWISE SHOWN ON THE PLANS OR SPECIFIED IN THESE SPECIAL PROVISIONS, ALL SURPLUS MATERIAL NOT TO BE SALVAGED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AS PROVIDED IN SECTION 7-1.13, "DISPOSAL OF MATERIAL OUTSIDE THE HIGHWAY RIGHT OF WAY," OF THE STANDARD SPECIFICATIONS.

SECTION 26

ALTERNATE B

AGGREGATE BASE--AGGREGATE BASE SHALL CONFORM TO THE REQUIREMENTS IN SECTION 26, "AGGREGATE BASES," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS.

AGGREGATE BASE SHALL BE CLASS 2.

THE COMBINED AGGREGATE SHALL CONFORM TO THE GRADING SPECIFIED FOR THE THREE-FOURTHS INCH (3/4") MAXIMUM AGGREGATE.

THE R-VALUE REQUIREMENT MAY BE WAIVED, PROVIDED THE AGGREGATE BASE CONFORMS TO THE SPECIFIED GRADING AND DURABILITY AND HAS A SAND EQUIVALENT VALUE OF THIRTY-THREE (33) OR MORE.

RECYCLED ASPHALT CONCRETE (R.A.C.) MAY BE SUBSTITUTED FOR CLASS 2 AGGREGATE BASE, PROVIDED IT MEETS THE SPECIFIED GRADATION AND R-VALUE REQUIREMENTS. DURABILITY AND SAND EQUIVALENT REQUIREMENTS SHALL BE WAIVED.

IF THE RESULTS OF THE R-VALUE TEST ON R.A.C. DO NOT MEET THE REQUIREMENTS FOR CLASS 2 AGGREGATE BASE, THE AGGREGATE BASE REPRESENTED BY THE FAILING TEST SHALL BE REMOVED. NO SINGLE R-VALUE TEST SHALL REPRESENT MORE THAN TWO THOUSAND (2,000) CUBIC YARDS OR ONE (1) DAY'S PRODUCTION.

THE RESULTS OF THE R-VALUE TEST SHALL BE KNOWN PRIOR TO PLACEMENT OF SUBSEQUENT LAYERS OF MATERIAL.

SECTION 56

STREET SIGNS--ATTENTION IS DIRECTED TO SECTION 56, "SIGNS," OF THE STANDARD SPECIFICATIONS, THE STANDARD DRAWINGS AND THESE SPECIAL PROVISIONS.

A. MATERIALS

THE VARIOUS MATERIALS OR FABRICATIONS THEREOF SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

1. STREET SIGNS SHALL HAVE A HORIZONTAL DIMENSION OF TWENTY-FOUR INCHES (24"), THIRTY INCHES (30") OR THIRTY-SIX INCHES (36") AND A VERTICAL DIMENSION OF SIX INCHES (6").
2. STREET SIGNS SHALL BE COMPLETELY REFLECTORIZED ON A DOUBLE FACE FLAT BLADE SIGN.
3. STREET SIGN SHALL BE ANODIZED ALUMINUM WITH A THICKNESS OF 0.080 INCHES.
4. THE LEGEND FOR STREET SIGNS SHALL BE WHITE LETTERS ON A GREEN BACKGROUND.
5. STREET SIGN POSTS SHALL BE LONG ENOUGH TO PROVIDE A MINIMUM HEIGHT OF SEVEN FEET (7') FROM THE BASE OF THE POST TO THE BOTTOM OF THE LOWER SIGN, AN OVERALL MAXIMUM HEIGHT OF TEN FEET (10') AND THIRTY INCHES (30") EMBEDMENT IN THE GROUND.
6. POSTS SHALL BE GALVANIZED STEEL PIPE, EXTRA STRONG AND TWO INCHES (2") INSIDE DIAMETER.

B. INSTALLATION

THE INSTALLATION OF STREET SIGNS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

1. POSTS SHALL BE DRIVEN OR SET INTO THE GROUND TO A DEPTH OF THIRTY INCHES (30") AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER AND DIRECTOR.
2. THE BOTTOM TEN INCHES (10") OF THE POSTS SHALL BE FLATTENED TO PREVENT THEM FROM TURNING IN THE GROUND.

CA: 800-227-2600 — CALL BEFORE YOU DIG — UNDERGROUND SERVICE ALERT — NV: 800-227-2600

REGISTERED PROFESSIONAL ENGINEER — PAUL J. SCHNEIDER — No. 62498 — Exp. 09/30/15 — CIVIL — STATE OF CALIFORNIA

DATE SIGNED: 09/12/14

REVISIONS	NO.	DESCRIPTION	COUNTY APPROVAL APPROVED BY:	DATE

WILCOX ROAD IMPROVEMENTS

GENERAL NOTES & SPECIFICATIONS

PREPARED IN THE OFFICE OF:

SIEGFRIED — CIVIL ENGINEERING · STRUCTURAL ENGINEERING · LANDSCAPE ARCHITECTURE · LAND SURVEYING

3244 Brookside Road, Suite 100 Stockton, California 95219
209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

DESIGN ENGINEER

DATE: 9/12/14 - 9/16/2014

R.C.E. NO.: 62498

EXP DATE: 09/2015

DRAWN BY:	MDE
SCALE:	AS SHOWN
SHEET	2 OF 4
	C2.0
JOB NO.	13372
DRAWING FILE NO.	G-

F:\13projects\13372 Stockton CHP\Improvement plans\Off-Site Improvement Plans\13372 C2.0 GENERAL NOTES & SPECIFICATIONS.dwg