EP-06-383

IMPROVEMENT PLANS FOR

ETCHEVERRY DRIVE

FOR

SAN JOAQUIN COUNTY, CALIFORNIA

NOTES

1. All MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE SPECIFICATIONS, STANDARDS AND ORDINANCES OF THE SAN JOAQUIN COUNTY AND SHALL BE PART OF THESE IMPROVEMENT PLANS. STANDARD SPECIFICATIONS AND DETAILS ARE AVAILABLE IN THE OFFICE OF SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS.

2. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED. NOTED DIMENSIONS TAKE PRECEDENT OVER SCALE. ANY DISCREPANCY SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF QUARTAROLI AND ASSOCIATES, (209) 239-4908 AND SIEGFRIED ENGINEERING, INC. (209) 943-2021.

3. CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.

4. THE EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM AVAILABLE RECORDS. CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THESE UTILITIES. THE CONTRACTOR SHALL DO NO EXCAVATION UNTIL ALL UTILITY AGENCIES HAVE BEEN NOTIFIED AND HAVE BEEN GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES. PRIOR TO OPENING AN EXCAVATION, THE CONTRACTOR SHALL DETERMINE WHETHER UNDERGROUND INSTALLATIONS, I.E., SEWER, WATER, STORM DRAINAGE, ELECTRICAL LINES, GAS LINES, CABLE T.V. LINES, ETC. WILL BE ENCOUNTERED AND, 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 FORTY-EIGHT (48)HOURS PRIOR TO THE START OF ACTUAL EXCAVATION. CALL U.S.A. 1-800-642-2444, P.G.&E. - (209)466-4581, GTE TELEPHONE (800) 227-2600, SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS (209)599-2723. THE DISCOVERY OF PREVIOUSLY UNKNOWN UTILITIES MAY REQUIRE THE RE-ROUTING OF SUCH UTILITIES OR MAY REQUIRE THE REDESIGN OF THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS WHICH MAY RESULT IN ADDITIONAL DESIGN COST, CONSTRUCTION COSTS AND CONSTRUCTION DELAYS TO THE OWNER/DEVELOPER.

5. AN ENCROACHMENT PERMIT SHALL BE OBTAINED FROM SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS PRIOR TO ANY OFF-SITE CONSTRUCTION. ANY AND ALL SPECIFIC REQUIREMENTS OR CONSTRUCTION DETAILS IMPOSED BY THE ENCROACHMENT PERMIT SHALL BECOME A PART OF THESE IMPROVEMENT PLANS.

6. SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 48 HOURS IN ADVANCE OF ANY OFF-SITE CONSTRUCTION (209)599-2723.

7. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD NGES MADE WITHOUT THE WRITTEN AUTHORIZATION FROM QUARTAROLI AND ASSOCIATES AND SIEGFRIED ENGINEERING, INC.

8. EACH CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE REMOVAL OR RELOCATION OF ANY AND ALL EXISTING UTILITIES WITH THE RESPECTIVE UTILITY COMPANY. COST OF THIS COORDINATION IS TO BE INCLUDED IN THE PRICES BID FOR THE VARIOUS IMPROVEMENTS TO COMPLETE THE PROJECT.

9. GENERAL CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUALLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, ENGINEER AND SURVEYOR 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, ENGINEER, OR SURVEYOR.

10. BENCH MARK: SEE SHEET C-3 THRU C-5.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL SURVEY AND CONSTRUCTION STAKES. SURVEY AND CONSTRUCTION STAKES THAT ARE LOST OR DESTROYED DUE TO THE CONTRACTOR'S NEGLIGENCE WILL BE RESET BY THE PROJECT SURVEYOR AT THE CONTRACTOR'S EXPENSE.

12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE.

13. CONTRACTORS SHALL BE REQUIRED TO COOPERATE WITH THEMSELVES AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICES TO THE DEVELOPMENT, AND ANY DELAY CAUSED BY SUCH INSTALLATION SHALL NOT BE CONSIDERED AS RIGHT-OF-WAY DELAY.

14. GRADES SHOWN ON THIS PLAN DO NOT NECESSARILY REFLECT A BALANCE OF EARTHWORK CUT AND FILL QUANTITIES. CONTRACTOR SHALL IMPORT OR EXPORT EARTH MATERIALS AS REQUIRED IN ORDER TO CONSTRUCT THE IMPROVEMENTS TO THE GRADES SHOWN AT NO EXTRA COST TO THE OWNER.

15. ANY FILL PLACED SHALL BE PROPERLY COMPACTED AS REQUIRED BY THE PLANS AND THESE SPECIFICATIONS.

A. EARTH FILL TO ESTABLISH PAVED AND GRAVELED AREA SUBGRADE SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% EXCEPT THAT THE AREA WITHIN SIX INCHES BELOW SUBGRADE SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95%.

B. EARTH FILL TO ESTABLISH FINISHED GRADE OUTSIDE THE PAVED AREAS AND BUILDING AREAS SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 80% WITHIN LOT AND 90% IN ROAD RIGHT-OF-WAY.

C. FILL SHALL BE NON-EXPANSIVE MATERIAL AND SHALL BE FREE OF VEGETATION OR DELETERIOUS MATTER. FILL SHALL BE COMPACTED IN LIFTS NOT TO EXCEED EIGHT INCHES. ALL AREAS TO BE COVERED WITH ASPHALT CONCRETE PAVEMENT SHALL HAVE A SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION TO A POINT SIX INCHES BELOW SUBGRADE.

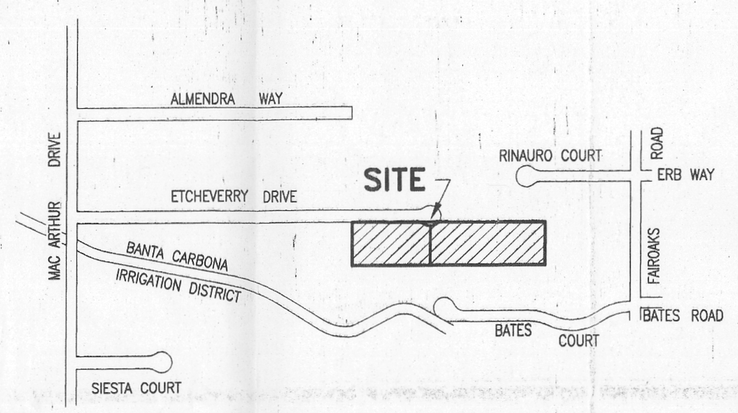
16. CONTRACTOR'S BID SHALL INCLUDE THE COST OF ANY NECESSARY SOILS COMPACTION AND MATERIALS TESTING.

17. ASPHALT CONCRETE: ASPHALT CONCRETE SHALL BE TYPE "A" AND SHALL CONFORM TO THE PROVISIONS OF SECTION 39 OF THE CALTRANS STANDARD SPECIFICATIONS. THE PENETRATION RANGE OF PAVING ASPHALT SHALL BE AR-8000; AGGREGATE SHALL BE ONE-HALF (1/2") MEDIUM GRADING FOR SURFACING. PRIME COAT SHALL BE A LIQUID ASPHALT GRADE SC-250 OR SC-70 AND SHALL BE APPLIED TO THE ENTIRE PAVED AREA AND THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ASPHALT CONCRETE. PRIME COAT SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 39-4 OF THE CALTRANS STANDARD SPECIFICATIONS. AGGREGATE BASE: AGGREGATE BASE SHALL BE CLASS TWO CONFORMING TO THE REQUIREMENTS OF SECTION 26-102B OF THE CALTRANS STANDARD SPECIFICATIONS. SPREADING AND COMPACTING AGGREGATE BASE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 26-1.04 OF THE CALTRANS STANDARD SPECIFICATION.

CA: 800-227-2600

CALIFORNIA UNDERGROUND SERVICE ALERT

NV: 800-227-2600



VICINITY MAP

NO SCALE

SHEET INDEX

1. TITLE SHEET AND NOTES
2. PLAN AND PROFILE ETCHEVERRY DRIVE

18. THE OFFICE OF QUARTAROLI AND ASSOCIATES, 310 SUN WEST PLACE, SUITE "A", MANTECA, CALIFORNIA (209) 239-4908, SHALL BE NOTIFIED FIVE (5) WORKING DAYS IN ADVANCE OF ANY REQUIRED CONSTRUCTION SURVEYING.

19. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER NINE, SECTION 6705, 6706, 6707, OF THE STATE LABOR CODE.

20. CONTRACTORS AND SUB-CONTRACTORS BIDDING ON THIS PROPOSED PROJECT SHALL CAREFULLY EXAMINE THESE PLANS AND CAREFULLY REVIEW THE CONSTRUCTION SITE TO OBTAIN FIRST HAND KNOWLEDGE OF EXISTING CONDITIONS AND TO DETERMINE SPECIFICALLY WHAT IS REQUIRED TO BE ACCOMPLISHED IN HIS PORTION OF THE TOTAL WORK. IF ANY DOUBT EXISTS TO THE INTENT OF THE PLANS, SPECIFIC DETAILS, CONSTRUCTION NOTES, OR IF THE CONTRACTOR AND SUB-CONTRACTOR REQUIRES ADDITIONAL INFORMATION, IT MUST BE CLARIFIED WITH QUARTAROLI AND ASSOCIATES AND SIEGFRIED ENGINEERING, INC. PRIOR TO BIDDING, OR HIS BID SHOULD STATE ACCURATELY WHAT IS INCLUDED AND WHAT IS EXCLUDED.

21. CONTRACTOR AND ANY SUB-CONTRACTOR USING PLANS WHICH ARE UNAPPROVED BY SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS AND PLANNING DEPARTMENTS SHALL DO SO AT THEIR OWN RISKS. QUARTAROLI AND ASSOCIATES AND SIEGFRIED ENGINEERING WILL NOT BE HELD RESPONSIBLE FOR USAGE OF SUCH PLANS FOR THE CONSTRUCTION OF THIS PROJECT.

22. IN THE EVENT THAT QUARTAROLI AND ASSOCIATES OR SIEGFRIED ENGINEERING, INC. IS NOT EMPLOYED TO DO THE CONSTRUCTION SURVEYING FOR THIS PROJECT, THIS NOTE IS TO GIVE FORMAL NOTICE TO OWNER/DEVELOPER AND CONTRACTOR THAT QUARTAROLI AND ASSOCIATES AND SIEGFRIED ENGINEERING CANNOT, AND WILL NOT TAKE RESPONSIBILITY FOR ERRORS OR OMISSIONS REGARDING THESE IMPROVEMENT PLANS, IF ANY, WHICH MIGHT OCCUR AND WHICH COULD HAVE BEEN AVOIDED OR DETECTED AND/OR CORRECTED OR MITIGATED HAD QUARTAROLI AND ASSOCIATES OR SIEGFRIED ENGINEERING, INC. DONE THE CONSTRUCTION SURVEYING.

23. INSPECTION DURING CONSTRUCTION: ANY IMPROVEMENTS CONSTRUCTED TO THE SPECIFICATIONS AND WHICH IT IS INTENDED THAT SAN JOAQUIN COUNTY WILL ASSUME MAINTENANCE RESPONSIBILITY, MUST BE INSPECTED DURING CONSTRUCTION BY AN AUTHORIZED AGENT OF SAN JOAQUIN COUNTY. 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 ORDER OR INSTRUCTIONS OF THE AUTHORIZED AGENT OF SAN JOAQUIN COUNTY 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. SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS WILL PERFORM FIELD INSPECTIONS FOR THIS PROJECT.

24. CHANGES ON PLANS AND SPECIFICATIONS: ANY CHANGES TO THE APPROVED IMPROVEMENT PLANS AND SPECIFICATIONS MUST BE PREPARED AND APPROVED BY SIEGFRIED ENGINEERING, INC. AND SHALL BE SUBMITTED TO SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS FOR APPROVAL PRIOR TO IMPLEMENTATION.

25. A GEOTECHNICAL INVESTIGATION WAS PREPARED FOR THIS PROJECT SITE BY NEIL O. ANDERSON AND ASSOCIATES DATED JANUARY 27, 2006 AND IS MADE A PART OF THESE PLANS BY REFERENCE.

26. ALL TRAFFIC SIGNS AND MARKINGS SHALL CONFORM TO SAN JOAQUIN COUNTY STANDARDS AND TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. (MUTCD) AND THE CALIFORNIA SUPPLIMENT TO THE MUTCD.

27. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE 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 HARMLESS, THE SAN JOAQUIN COUNTY, ITS ELECTED OFFICIALS, OFFICERS, EMPLOYEES AND AGENTS FROM ANY AND ALL CLAIMS, ← COSTS OF LITIGATION, DAMAGES, AND ATTORNEY'S FEES, FOR PERSONAL INJURY OR PROPERTY DAMAGE OF WHATEVER NATURE WHICH ARE CLAIMED TO HAVE OCCURRED DURING THE TERM OF THIS PROJECT.

28. THIS PROJECT SHALL IMPLEMENT THE AIR POLLUTION CONTROL DISTRICT'S FUGITIVE DUST CONTROL MEASURES AND OZONE EMISSION MEASURES DURING CONSTRUCTION.

29. ALL EARTHWORK AND GRADING SHALL BE IN CONFORMANCE WITH CHAPTERS 33 OF THE UNIFORM BUILDING CODE.

30. THE INTENT OF THE GRADING PLAN IS TO PROVIDE GRADES TO RECEIVE PAVEMENT, STORM DRAINAGE FACILITIES AND BUILDING PAD.

31. THESE EARTHWORK QUANTITIES ARE COMPUTED FOR THE GRADING PERMIT APPLICATION PURPOSES ONLY. THESE EARTHWORK QUANTITIES ARE NOT BID QUANTITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL QUANTITIES. (REFER TO NOTE No. 14)

32. CONTRACTORS SHALL FOLLOW SAN JOAQUIN COUNTY STANDARD CONSTRUCTION PLANS AND SPECIFICATIONS AND PROJECT SPECIFICATIONS IF ANY. SAN JOAQUIN COUNTY STANDARD CONSTRUCTION PLANS AND SPECIFICATIONS ARE AVAILABLE FROM THE SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS, 1259 N. WILMA STREET, RIPON, CA. → SHOULD BE: 1810 HAZELTON AVENUE, STOCKTON, CA AND PROJECT SPECIFICATIONS ARE AVAILABLE FROM QUARTAROLI & ASSOCIATES, INC., 310 SUN WEST PLACE, SUITE A, MANTECA, CA.

33. CONTRACTOR SHALL SUBMIT TO QUARTAROLI & ASSOCIATES FOR APPROVAL EQUIPMENT AND MATERIAL SPECIFICATION OF ITEMS HE WISHES TO SUBSTITUTE FROM THAT WHICH IS SPECIFIED ON THE IMPROVEMENT PLANS, SAN JOAQUIN COUNTY STANDARD PLANS AND SPECIFICATIONS AND PROJECT SPECIFICATIONS.

34. CONTRACTOR SHALL OBTAIN A GRADING PERMIT FOR THIS PROJECT PRIOR TO BEGINNING ANY GRADING ON-SITE OR OFF-SITE.

35. CONTRACTOR SHALL NOT CAUSE THE CONSTRUCTION SURVEY STAKES TO BE DESTROYED OR REMOVED UNTIL THE IMPROVEMENTS HAVE BEEN ACCEPTED BY THE INSPECTOR. CONTRACTOR SHALL COORDINATE ACCEPTANCE OF IMPROVEMENTS BY THE INSPECTOR SO THAT THE PREVIOUS SET OF CONSTRUCTION STAKES DO NOT CONFLICT WITH THE NEXT PHASE OF CONSTRUCTION.

38. QUARTAROLI AND ASSOCIATES, INC. SIEGFRIED ENGINEERING, INC. AND SUB-CONSULTANTS SHALL NOT BE PROVIDING INSPECTIONS, CONSTRUCTION SUPERVISION, OR PROJECT MANAGEMENT SERVICES FOR THIS PROJECT UNLESS SPECIFICALLY SPECIFIED IN THE SCOPE OF SERVICES OF THE PROJECT CONTRACT. IT IS ASSUMED THAT THE OWNER/DEVELOPER SHALL EMPLOY A COMPETENT CONTRACTOR, WHICH IS EXPERIENCED IN THE WORK BEING PROPOSED ON THESE IMPROVEMENT PLANS AND IS KNOWLEDGEABLE OF LOCAL CONSTRUCTION STANDARDS, PROCEDURES AND POLICIES.

39. ALL LINEAR FOOTAGES, AREAS OR VOLUMETRIC AMOUNTS OF PIPING MATERIAL, CONCRETE, ASPHALT CONCRETE, EXCAVATION AND IMPORT FILL MATERIAL SHOWN ON THESE IMPROVEMENT PLANS ARE APPROXIMATE. ACTUAL AS-BUILT FIELD MEASUREMENTS SHALL PREVAIL.

40. THE TITLE REPORT FOR THE AFFECTED PROPERTIES HAS BEEN REVIEWED, AND ANY APPLICABLE CONDITIONS, SUCH AS EASEMENTS, INCORPORATED INTO THE PLANS.

PRELIMINARY

PLANS SUBJECT TO CHANGE

SIEGFRIED ENGINEERING, INC.

- Civil Engineering
- Land Surveying
- Structural Engineering
- Planning

4045 Coronado Avenue • Stockton, CA 95204
209 943-2021 • Fax: 209 942-0214
E-Mail: mail@siegfriedeng.com

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. LOPES NO. C-39729 EXP. 12/31/07 CIVIL STATE OF CALIFORNIA

DATE SIGNED: _____

DATE	REVISIONS	BY	APP'D BY

TITLE SHEET
ETCHEVERRY DRIVE
FOR
SAN JOAQUIN COUNTY, CALIFORNIA

QUARTAROLI & ASSOCIATES
LAND SURVEYING LAND PLANNING
ENGINEERING
(209) 239-4908
310 SUN WEST PLACE, SUITE "A" MANTECA, CA. 95336

DATE	8-21-06
DRAWN BY	GE
CHECKED BY	AJL
JOB NO.	06287
SHEET	C-1
OF	2 SHEETS