

SECTION SCALE

| " = 10' HORIZONTAL
| " = 1' VERTICAL



NO.	DESCRIPTION	COUNTY APPRO	DVAL
NO.	DESCRIPTION	APPROVED BY	BY
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SIEGFRIED ENGINEERING, Inc.

Civil Engineering

Land Surveying

Structural Engineering

Planning 4045 Coronado Ave.

Stockton, CA 95204-2396

Job No.

Submitted By

R.C.E. No.

R.C.E. R.C.E.

R.C.E. R



	JOB NO.	
	DATE 11/23/98	
	F.B. NO.	
	DRAWN VGD	
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	CHECKED LAC	

NORTH 99 FRONTAGE ROAD

STREET IMPROVEMENTS

CROSS SECTIONS STA: 7+50 TO 9+50

OF 6

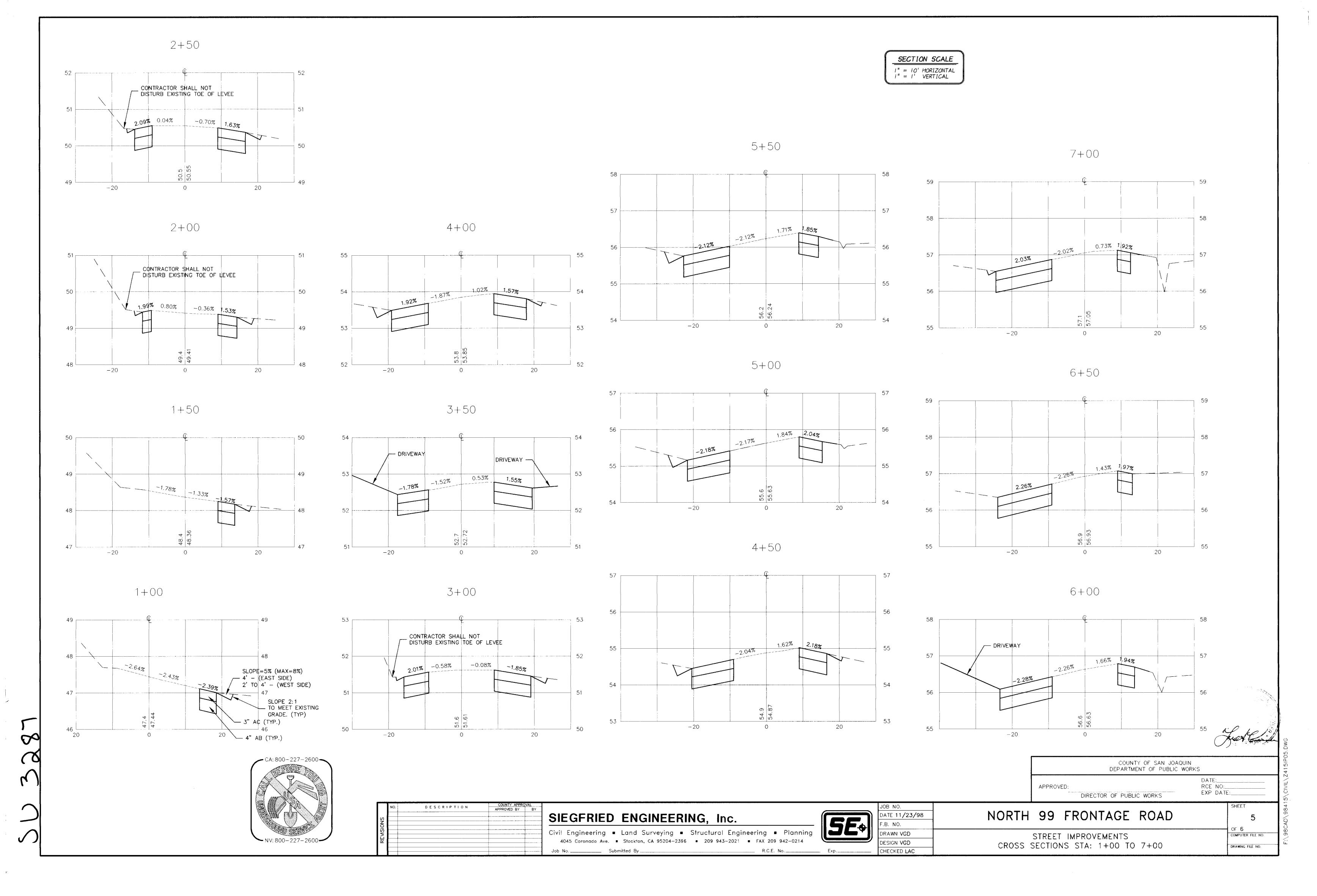
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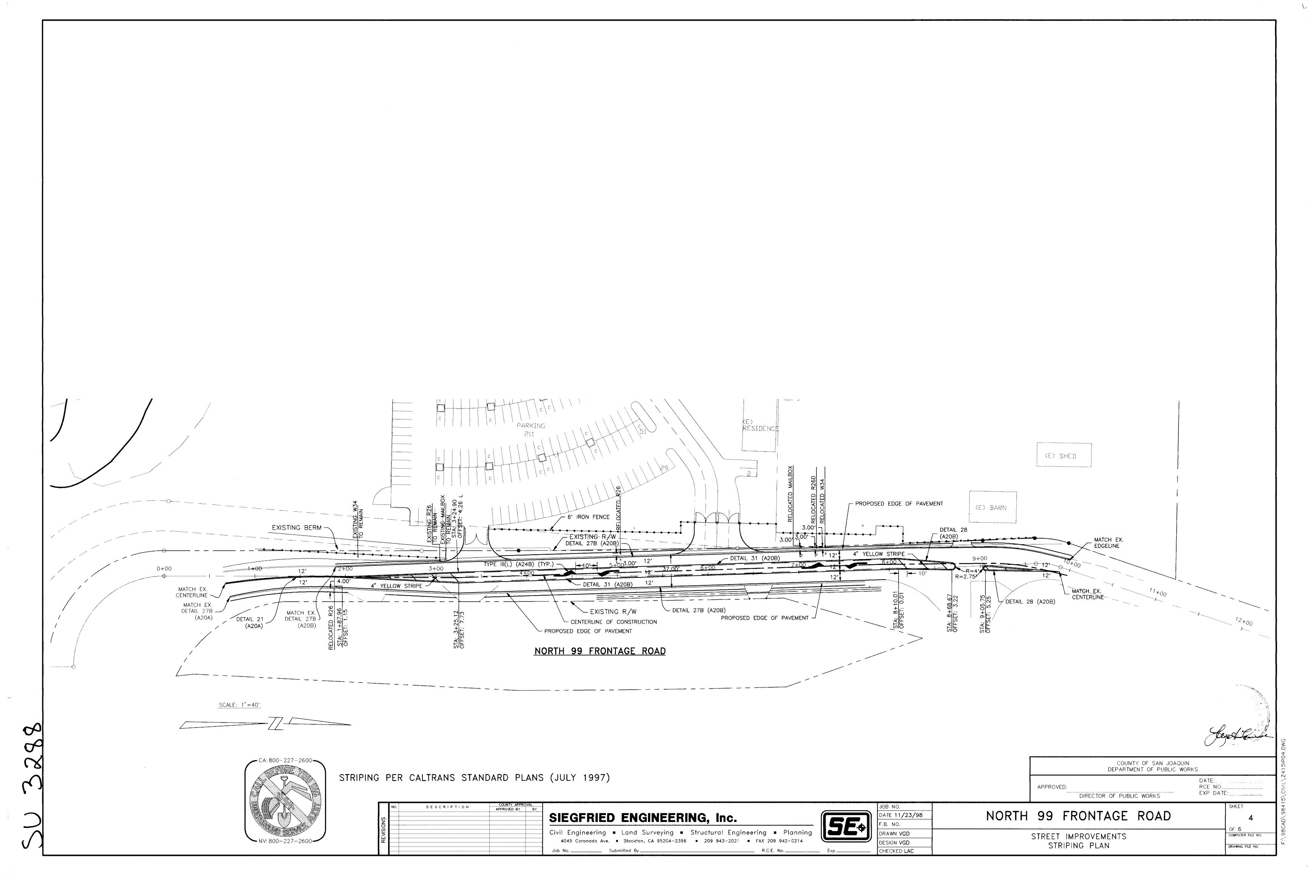
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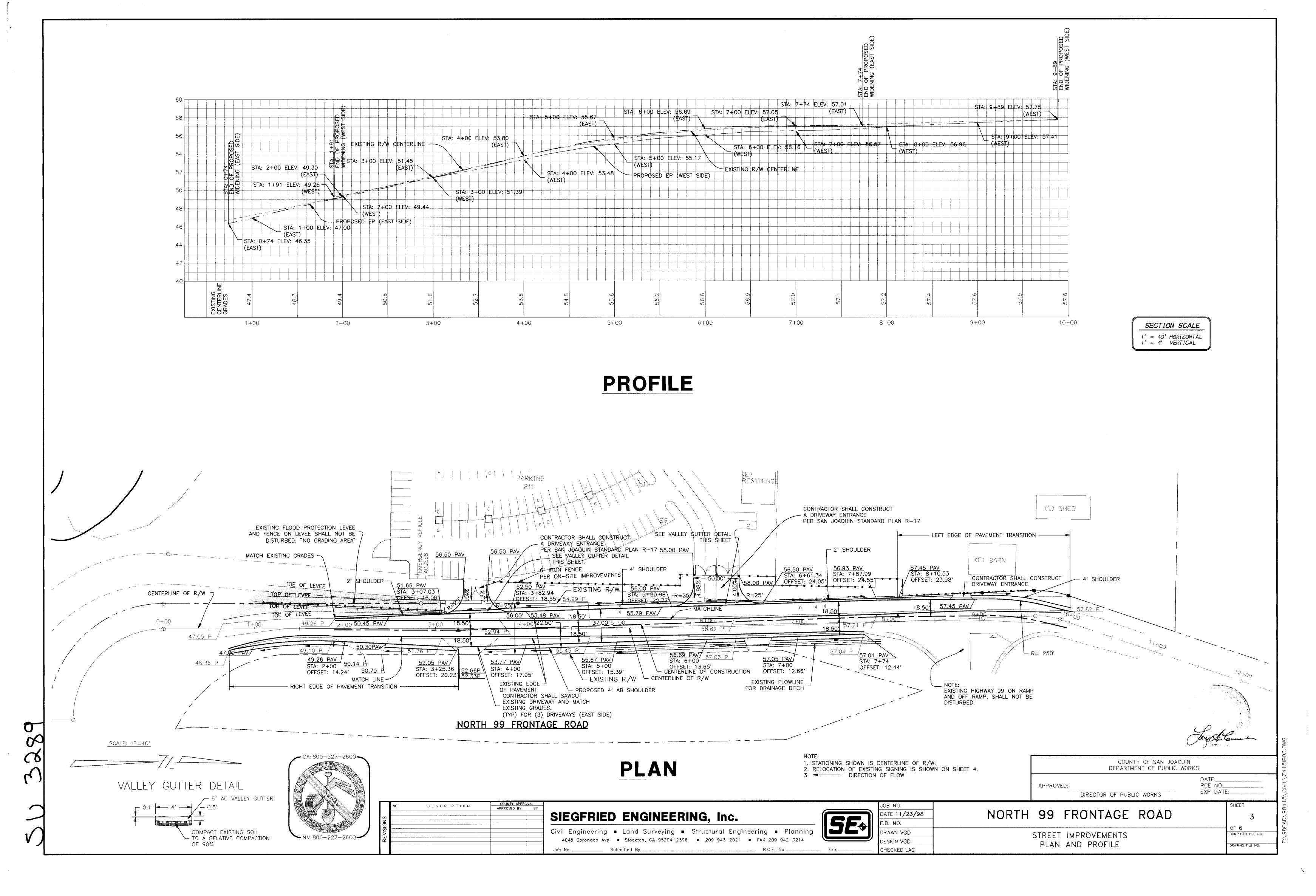
DIRECTOR OF PUBLIC WORKS

COUNTY OF SAN JOAQUIN DEPARTMENT OF PUBLIC WORKS 98CAD\98415\CIVIL\Z415IP06.DWG

DATE:____ RCE NO:____ EXP DATE:__







GENERAL NOTES

- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCOARDANCE WITH THE LATEST EDITION OF THE SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS, SPECIAL PROVISIONS.
- 2. THE CONTRACTOR SHALL BE IN RECEIPT OF SAN JOAQUIN COUNTY APPROVED PLANS PRIOR TO CONSTRUCTION.
- 3. DRAWING NUMBERS SHOWN ON THE PLANS REFER TO SAN JOAQUIN COUNTY STANDARD PLANS, 17. THE CONTRACTOR SHALL CONDUCT HIS OPERATION ENTIRELY OUTSIDE OF ANY NO GRADING AREA. SHOWN THUS: EXAMPLE: R-17
- 4. 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.
- 5. CONTRACTOR SHALL DEMOLISH, EXCAVATE, REMOVE AND DISPOSE OF ALL EXISTING CONCRETE CURB, GUTTER OR SIDEWALK, ASPHALT CONCRETE PAVING. CONCRETE CURB. 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. SEE THIS SHEET FOR ADDITIONAL GRADING NOTES.
- 6. EXCAVATION OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY.
- WORK IN PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF

THE SAN JOAQUIN PUBLIC WORKS DEPARTMENT.

- 8. EXCEPT WHERE SPECIFICALLY AUTHORIZED BY VALID PERMITS FROM FISH AND GAME, CORP OF ENGINEERS, AND COUNTY FLOOD CONTROL DISTRICT THE CONTRACTOR SHALL CONDUCT HIS OPERATION ENTIRELY OUTSIDE OF ANY FLOODPLAIN ANY FLOODPLAIN BOUNDARIES. FLOODPLAIN BOUNDARIES SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO CONSTRUCTION.
- 9. 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.
- 10. 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 COUNTY ENGINEER IF LOCATED WITHIN COUNTY RIGHT-OF-WAY.
- 11. 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.
- 12. 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 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.
- 13. 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, SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF HIS CONTRACT. CONTACT "U.S.A." (800-227-2600).
- 14. 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 WHFTHER 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."

15. CONSTRUCTION STAKING:

AND FOR RESETTING MONUMENTS IF DISTURBED.

CONSTRUCTION STAKING IS NORMALLY PERFORMED BY THE ENGINEER WHO PREPARED THE PLAN. THIS PERMITS APPROPRIATE ON-SITE INTERPRETATION AND ADJUSTMENT OF THE PLANS. IF NECESSARY. CONTRACTOR SHALL NOTIFY THE ENGINEER FORTY-EIGHT (48) HOURS PRIOR TO THE ACTUAL NEED FOR STAKING. ANY STAKING REQUESTED BY THE CONTRACTOR OR HIS SUBCONTRACTORS WHICH EXTENDS BEYOND THE ORIGINAL SCOPE OF WORK DEFINED IN THESE PLANS SHALL BE SUBJECT TO AN EXTRA WORK CHARGE TO THE CONTRACTOR. ALL MONUMENTS IN WORK SITE AREA THAT WILL BE DISTURBED DURING CONSTRUCTION SHALL BE SWING TIED BY A LAND SURVEYOR PRIOR TO STARTING WORK.

THIS NOTE GIVES FORMAL NOTICE THAT THE FIRM OF SIEGFRIED ENGINEERING, INC. CANNOT, AND WILL NOT. TAKE RESPONSIBILITY FOR ERRORS OR OMISSIONS, IF ANY, WHICH MIGHT OCCUR AND WHICH COULD HAVE BEEN AVOIDED OR DETECTED AND/OR CORRECTED OR MITIGATED HAD SIEGFRIED ENGINEERING, INC. PERFORMED THE CONTRACT

CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING MONUMENTS DURING CONSTRUCTION

16. "CLASS A SUBGRADE" SHALL BE GRADED TO RELATIVE COMPACTION OF 90% TO A DEPTH OF SIX INCHES.

- 16. THE DESIGN OF THE FRONTAGE ROAD IMPROVEMENTS ARE BASED UPON A TOPOGRAPHIC PERFORMED BY OTHERS. SIEGFRIED ENGINEERING, INC. CANNOT, AND WILL NOT, TAKE RESPONSIBILITY FOR ERRORS OR OMISSIONS, IF ANY, WHICH MIGHT OCCUR AND WHICH COULD HAVE BEEN AVOIDED OR DETECTED AND/OR CORRECTED OR MITIGRATED HAD SIEGFRIED ENGINEERING, INC. PERFORMED THE CONTRACT TOPOGRAPHIC AND BOUNDARY SURVEY.
- THESE AREAS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO CONSTRUCTION.
- 18. DUST CONTROL SHALL BE PERFORMED AT ALL THE TIMES, AT THE CONTRACTOR'S EXPENSE. TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 10 OF CALTRANS STANDARD SPECIFICATIONS.
- 19. DELETED
- 20. ALL STATIONS ARE STREET CENTERLINE STATIONS.
- 21. BENCHMARK: CITY OF LODI BENCHMARK # 718, ELEVATION 55.58 NORTHSIDE OF TURNER ROAD, 800' EAST OF COLOMA STREET
- 22. DEVELOPER: CALVARY BIBLE CHURCH P.O. BOX 1503 LODI, CA 95240
- 23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT.
- 24. 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 TO MAINTAIN THE UNDISTURBED STATE OF NATURAL SOILS AND ALLOW THE PLACEMENT OF ANY FILL TO THE SPECIFIED DENSITY. DISPOSAL OF WATER SHALL BE IN ACCORDANCE WITH THE COUNTY REQUIREMENTS 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.
- 25. WHERE WORK IS BEING DONE IN AN OFFSITE EASEMENT, THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER 48 HOURS PRIOR TO COMMENCING WORK.
- 26. ACCESS TO EXISTING BUSINESSES SHALL BE MAINTAINED DURING CONSTRUCTION.
- 27. AFFECTED BUSINESSES SHALL BE NOTIFIED PRIOR TO START OF CONSTRUCTION.
- 28. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND S.J. CO. IMPROVEMENT STANDARDS.

GRADING NOTES

- 1. GRADING AND LAND STABILIZATION SHALL INCLUDE EXCAVATION AND FILL OF LOTS AND STREETS WITHIN THE "GRADING LIMITS" IN ACCORDANCE WITH THE SPECIFICATIONS OF THE SOILS ENGINEER AND UNDER THE DIRECTION, SUPERVISION, MONITORING, TESTING AND APPROVAL OF THE OWNER AND OWNER'S SOILS ENGINEER.
- GRADING AND LAND STABILIZATION SHALL INCLUDE COST OF DEWATERING; REMOVING FROM THE SITE ALL STRIPPED VEGETATION, DEBRIS, STRUCTURES, POWER POLES, EXISTING PAVEMENT, BUILDINGS, TREES, AND OTHER DELETERIOUS MATERIALS.
- 3. ALL GRADING AND PLACEMENT OF FILL FOR BUILDING PADS SHALL BE PER SPECIFICATIONS FURNISHED BY THE SOILS ENGINEER. PREPARATION AND PLACEMENT OF FILL SHALL BE OBSERVED AND TESTED BY THE SOILS ENGINEER SO THAT HE CAN CERTIFY TO THE CONFORMANCE OF THE COMPLETED FILL SPECIFICATIONS. THE CONTRACTOR SHALL EXCAVATE, FILL AND GRADE THE PROJECT SITE IN ORDER THAT THE SITE IMPROVEMENTS CAN BE CONSTRUCTED TO THE GRADES AND SLOPES SHOWN ON THE PLANS. ANY FILL PLACED SHALL BE PROPERLY COMPACTED AS REQUIRED BY THE SPECIFICATIONS OF THE SOILS ENGINEER.
- 4. STOCKPILES OF EXISTING DELETERIOUS MATERIAL SHALL BE DISPOSED OF UNDER THE DIRECTION AND SUPERVISION OF THE OWNER AND OWNER'S SOILS ENGINEER.



DESCRIPTION APPROVED BY

SIEGFRIED ENGINEERING, Inc.

Job No. _____ Submitted By _____

Civil Engineering - Land Surveying - Structural Engineering - Planning 4045 Coronado Ave.
Stockton, CA 95204-2396
209 943-2021
FAX 209 942-0214



JOB NO.
DATE 11/23/98
F.B. NO.
DRAWN VGD
DESIGN VGD
 CHECKED LAC

DIRECTOR OF PUBLIC WORKS NORTH 99 FRONTAGE ROAD

APPROVED:

STREET IMPROVEMENTS GENERAL NOTES AND SPECIFICATIONS

COUNTY OF SAN JOAQUIN DEPARTMENT OF PUBLIC WORKS

SHEET OMPUTER FILE NO. DRAWING FILE NO.

DATE:_ RCE NO:... EXP DATE:

ABBREVIATIONS

AGGREGATE BASE ACRYLONITRILE-BUTADIENE-STYRENE BEGINNING OF VERTICAL CURVE C & G C,G, & SW CURB, GUTTER, AND SIDEWALK C.O.S. CR END OF CURVE EEP EL OR ELEV EDGE OF PAVEMENT EASEMENT ESMT EVC EX. OR EXIST. EXISTING FLOWLINE FIRE HYDRANT HIGH PRESSURE SODIUM INSIDE DIAMETER LINEAL FEET LAMPHOLE LOW POINT LEFT MAXIMUM MAINTENANCE HOLE MINIMUM NORTH NUMBER NON-REINFORCED CONCRETE PIPE NRCP NOT TO SCALE NTS OUTSIDE DIAMETER OD PAVEMENT P OR PAV PACIFIC BELL MAINTENANCE HOLE **PBMH** POINT OF CURVATURE POINT OF COMPOUND CURVATURE PCCPOINT OF TANGENCY POWER POLE POINT OF REVERSE CURVATURE PUBLIC UTILITY EASEMENT POLYVINYL CHLORIDE PROPERTY LINE RADIAL OR RADIUS RIGHT-OF-WAY ROLL-CURB REINFORCED CONCRETE PIPE RETURN RADIUS POINT RAILROAD RIGHT SANITARY SEWER S OR SS SOUTH STREET LIGHT SIDEWALK STORM DRAIN MAINTENANCE HOLE SDMH SHT SANITARY SEWER MAINTENANCE HOLE SSMH STA STD STATION STANDARD TC OR TOC TOP OF CURB THROUGH THRU TRAFFIC INDEX TOP OF BANK TOB TOL TOE OF LEVEE TOP OF WALL TYPICAL UNDERGROUND VAULT VERTICAL CURVE VITRIFIED CLAY PIPE VCP

VERTICAL WATER

PLUS OR MINUS

-- CA: 800−227−2600**--**

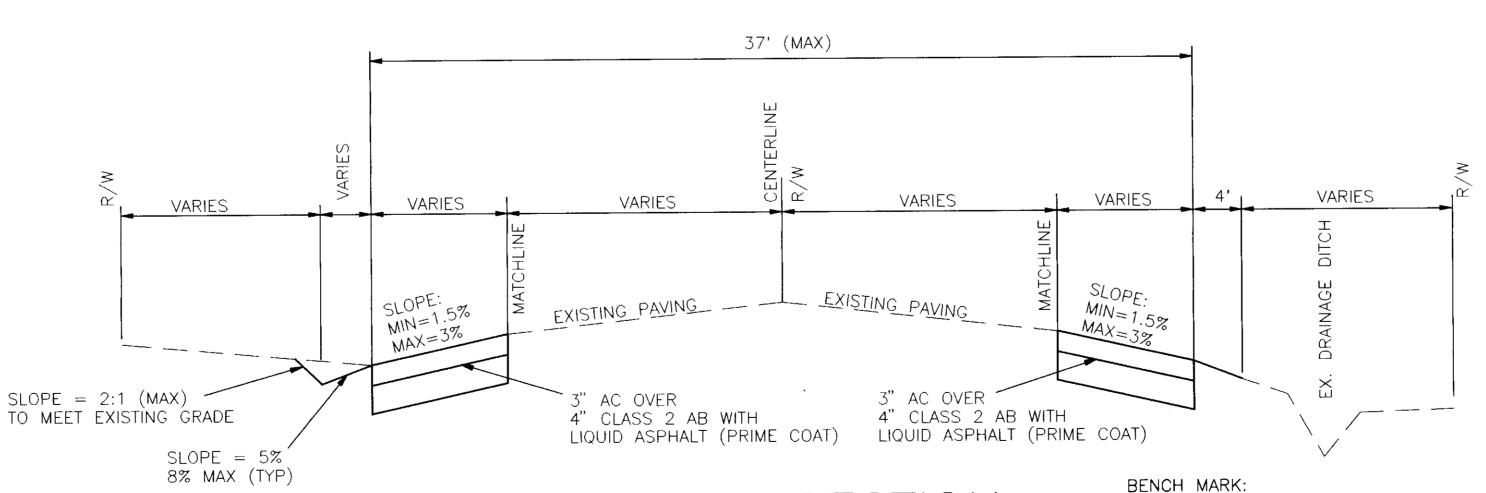
BENCHMARK LOCATION PROJECT SITE MOKELUMNE RIVER VICINITY MAP N.T.S.

SHEET INDEX:

SHEET NO.	DESCRIPTION
C-1	TITLE SHEET
C-2	NOTE SHEET
C-3	PLAN & PROFILE
C-4	STRIPING PLAN
C-5	CROSS SECTIONS
C-6	CROSS SECTIONS

LEGEND

EXISTING		PROPOSED
21.63 P	PAVEMENT ELEVATION	21.63 PAV
6.23 E	FLOWLINE ELEVATION	6.23 FL
19x6	GROUND ELEVATION	19.68 G



TYPICAL SECTION

NOT TO SCALE

U.S.G.S. DATUM
CITY OF LODI BENCHMARK # 718
ELEVATION 55.58
NORTHSIDE OF TURNER ROAD, 800' EAST OF COLOMA STREET

COUNTY OF SAN JOAQU DEPARTMENT OF PUBLIC W	
APPROVED: Jenry M. Strate DIRECTOR OF PUBLIC WORKS	DATE: 2/10/99 RCE NO: 2/258 EXP DATE: 9/30/0/
	SHEET

	DESCRIPTION	COUNTY APPROVAL					
NO.	DESCRIPTION	APPROVED BY	BY				
				SIEGFRIED ENGINEERI	NG, Inc.		
				Civil Engineering • Land Surveying •	Structural Engineering		
				4045 Coronado Ave. ■ Stockton, CA 95204-2396	■ 209 943-2021 ■ FAX 209		
				Job No Submitted By	R.C.E.		

Planning
09 942-0214

E. No. ______

DATE 11/23/
F.B. NO. _____

DRAWN VGD

DESIGN VGD

CHECKED LAC

NO.		SHEET
E 11/23/98	NORTH 99 FRONTAGE ROAD	1
NO.		OF 6
WN VGD	STREET IMPROVEMENTS	COMPUTER FILE NO.
IGN VGD	TITLE SHEET	DRAWING FILE NO.