SUTTER HOME WINERY FRONTAGE IMPROVEMENTS

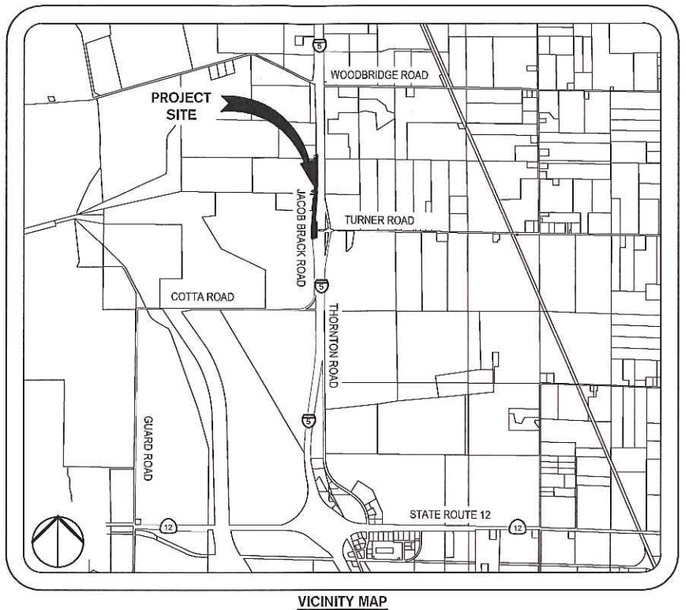
JACOB BRACK ROAD IMPROVEMENTS
SAN JOAQUIN COUNTY, CALIFORNIA
MAY, 2015

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
@	AT
AB	AGGREGATE BASE
ABS	ACRYLONITRILE-BUTADIENE-STYRENE
AC	ASPHALT CONCRETE
BCR	BEGINNING OF CURB RETURN
BO	BLOWOFF
BOC	BACK OF CURB
BOW	BACK OF WALK
C & G	CURB AND GUTTER
C,G, & SW	CURB, GUTTER, AND SIDEWALK
CL	CENTERLINE
CB	CATCH BASIN
CJ	CONSTRUCTION JOINT
CO	CLEANOUT
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
EBOW	EXISTING BACK OF WALK
ECR	END OF CURB RETURN
EL	ELEVATION
EG	EXISTING GROUND
EP	EDGE OF PAVEMENT, EXISTING PAVEMENT
ESMT	EASEMENT
ETW	EDGE OF TRAVELED WAY
EX.	EXISTING
FL	FLOWLINE
FH	FIRE HYDRANT
FOC	FACE OF CURB
FT.	FEET
G	GROUND
GB	GRADE BREAK
HP	HIGH POINT
ID	INSIDE DIAMETER
IN.	INCH
LF	LINEAL FEET
LH	LAMP HOLE
LP	LOW POINT
LT	LEFT
LTS	LIME TREATED SUB-BASE
MAX	MAXIMUM
MH	MAINTENANCE HOLE
MID	MERCED IRRIGATION DISTRICT
MIN	MINIMUM
NO.	NUMBER
NRCP	NON-REINFORCED CONCRETE PIPE
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
P	PAVEMENT
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
POT	POINT OF TANGENCY
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PT	POINT
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PL	PROPERTY LINE
R	RADIAL OR RADIUS
R/W	RIGHT-OF-WAY
RC	ROLL-CURB
RCP	REINFORCED CONCRETE PIPE
RP	RADIUS POINT
RT	RIGHT
SD	STORM DRAIN
SS	SANITARY SEWER
SL	STREET LIGHT
SW	SIDEWALK
SDMH	STORM DRAIN MAINTENANCE HOLE
SHT	SHEET
SSMH	SANITARY SEWER MAINTENANCE HOLE
STA	STATION
STD	STANDARD
TC	TOP OF CURB
TOW	TOP OF WALL
THRU	THROUGH
TI	TRAFFIC INDEX
TID	TURLOCK IRRIGATION DISTRICT
TYP	TYPICAL
UCM	UNIVERSITY OF CALIFORNIA MERCED
VERT	VERTICAL
W	WATER
WP	WEAKENED PLANE
(W)	WEST
(E)	EAST
(S)	SOUTH
(N)	NORTH
±	PLUS OR MINUS

UTILITY SERVICES PROVIDED BY:

1. STORM DRAINAGE: NONE
2. SANITARY SEWER: NONE
3. WATER: NONE
4. STREET LIGHTS: P.G.&E.
5. ELECTRICITY: P.G.&E.
6. NATURAL GAS: P.G.&E.
7. TELEPHONE: AT&T
8. CABLE T.V.: COMCAST



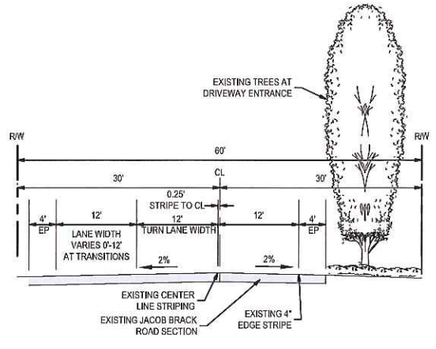
VICINITY MAP
NOT TO SCALE

LEGEND

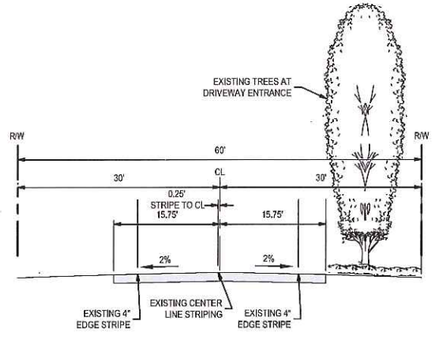
EXISTING		PROPOSED
3.0 / 11.93P	GROUND CONTOUR / PAVEMENT ELEVATION	3.0 / 11.93P
	LANDSCAPE IRRIGATION WATER LINE	
	SIGN	
	EXISTING TREE	
	ELECTROLIER	
	PROPERTY LINE	
	FENCE LINE (WOOD OR CONCRETE)	
	FENCE LINE (METAL)	
	FENCE LINE (BARBED WIRE)	

SHEET INDEX

SHEET NUMBER	SHEET TITLE
C1.0	COVER SHEET
C2.0	GENERAL NOTES & SPECIFICATIONS
C3.0	JACOB BRACK ROAD STA 5+00.00 TO STA 30+18.76 DEMOLITION
C3.1	JACOB BRACK RD STA 5+00.00 TO 30+18.76 PAVING
C3.2	JACOB BRACK RD STA 5+00.00 TO 30+18.76 STRIPING
C4.0	EROSION CONTROL PLAN



JACOB BRACK ROAD TYPICAL SECTION STA. 10+54.30 TO STA. 16+95.23
NOT TO SCALE



JACOB BRACK ROAD EXISTING TYPICAL SECTION
NOT TO SCALE

BENCHMARK INFORMATION:

NGS BENCHMARK PID DH6898; 2 INCH DIAMETER ALUMINUM DISK WITH MAGNET, SET IN THE TOP NORTHEAST CORNER OF A CONCRETE IRRIGATION TURNOUT STRUCTURE, MONUMENT STAMPED "JERRY 1998". THE MONUMENT IS ACCESSED FROM A PAVED PRIVATE DRIVE (0.1 MILES WEST OF THE INTERSECTION OF WOODBRIDGE AND THORNTON ROADS) THAT CONTINUES NORTH UNTIL THE ROAD ENDS. A CARSONITE WITNESS POST SIGNIFIES THE LOCATION OF MONUMENT STAMPED "JERRY 1998", WITH ELEVATION (FT.) 17.40, NAVD 88

COUNTY OF SAN JOAQUIN
DEPATERMENT OF PUBLIC WORKS
APPROVED AS "ENCROACHMENT PERMIT PLAN SET"
APPROVED WORK WITHIN COUNTY RIGHT-OF-WAY ONLY.
APPROVED: Alex Chetley 12/22/15 DATE
RCE NO.: C55407 EXP. DATE: 12/31/16
ENCROACHMENT PERMIT NO.: 15-150418 DATE ISSUED: 12/24/15 BY: Scott Cooper

CA: 800-227-2600
NV: 800-227-2600

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHMIDT
No. 62498
Exp. 09/30/16
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 07/17/15

REVISIONS	NO.	DESCRIPTION	COUNTY APPROVAL APPROVED BY	COUNTY APPROVAL DATE

NOTE: CONTRACTOR SHALL ADD SHOULDER BACKING ADJACENT TO EDGE OF NEW PAVEMENT.

JACOB BRACK ROAD IMPROVEMENTS
COVER SHEET

PREPARED IN THE OFFICE OF:

SIEGFRIED
CIVIL ENGINEERING
STRUCTURAL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND SURVEYING
3244 Brookside Road, Suite 100 Stockton, California 95219
209-943-2001 www.siegfriedeng.com Fx: 209-943-2014

DESIGN ENGINEER

DATE: 6/26/2015
R.C.E. NO.: 62498
EXP DATE: 09/2015

DRAWN BY: MDE
SCALE: AS SHOWN
SHEET 1 OF 6
C1.0
JOB NO. 11177
DRAWING FILE NO. G-

F:\11cad\11177 Sutter Home Winery Lod\Frontage Improvements\11177-C1.0 SJC COVER SHEET.dwg

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.

17. PER THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT (BUSINESS AND PROFESSIONS CODE 8700-8805) SECTION 8771: ALL SURVEY MONUMENTS, WITHIN THE LIMITS OF CONSTRUCTION, THAT HAVE THE POSSIBILITY OF BEING DAMAGED OR DESTROYED DURING CONSTRUCTION MUST BE LOCATED AND REFERENCED BY A LICENSED LAND SURVEYOR, AND A CORNER RECORD OR RECORD OF SURVEY SHALL BE FILED WITH THE COUNTY SURVEYOR, PRIOR TO THE START OF CONSTRUCTION. IF ANY OF THESE MONUMENTS ARE DESTROYED, DAMAGED, OR COVERED DURING THE COURSE OF CONSTRUCTION A NEW MONUMENT AND MONUMENT BOX MUST THEN BE SET IN ITS PLACE, AT THE EXACT LOCATION, BY A LICENSED LAND SURVEYOR, AND ANOTHER CORNER RECORD OR RECORD OF SURVEY FILED WITH THE COUNTY SURVEYOR.

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.

ENGINEERS 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

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.

BENCHMARK INFORMATION:

NGS BENCHMARK PID DH6898; 2 INCH DIAMETER ALUMINUM DISK WITH MAGNET, SET IN THE TOP NORTHEAST CORNER OF A CONCRETE IRRIGATION TURNOUT STRUCTURE, MONUMENT STAMPED "JERRY 1998". THE MONUMENT IS ACCESSED FROM A PAVED PRIVATE DRIVE (0.1 MILES WEST OF THE INTERSECTION OF WOODBRIDGE AND THORNTON ROADS) THAT CONTINUES NORTH UNTIL THE ROAD ENDS. A CARSONITE WITNESS POST SIGNIFIES THE LOCATION OF MONUMENT STAMPED "JERRY 1998", WITH ELEVATION (FT.) 17.40. NAVD 88

CA: 800-227-2600
CALL BEFORE YOU DIG
USA
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: 07/17/15

REVISIONS NO.	DESCRIPTION	COUNTY APPROVAL APPROVED BY	DATE

JACOB BRACK ROAD IMPROVEMENTS

GENERAL NOTES & SPECIFICATIONS

PREPARED IN THE OFFICE OF:

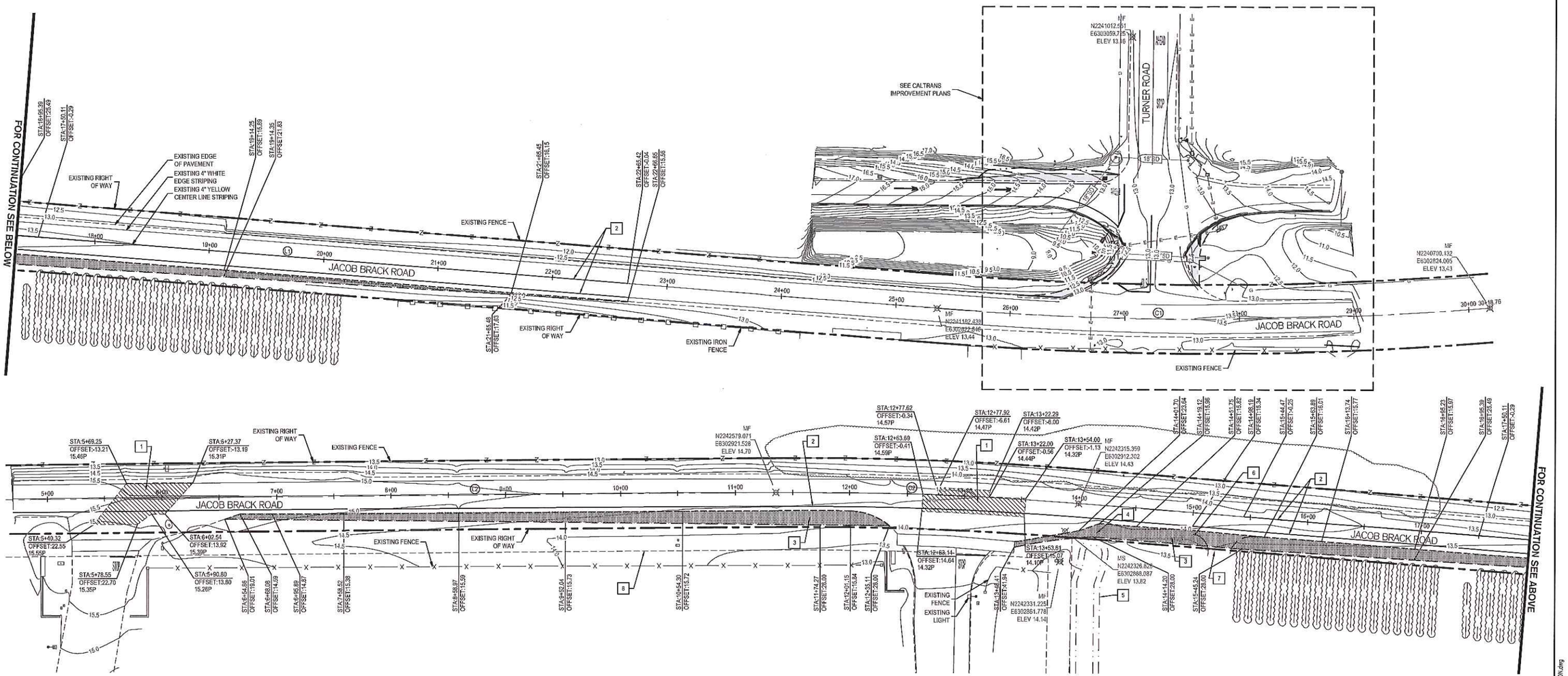
SIEGFRIED
■ CIVIL ENGINEERING ■ STRUCTURAL ENGINEERING ■ LANDSCAPE ARCHITECTURE ■ LAND SURVEYING
3244 Brookside Road, Suite 100 Stockton, California 95219
209-943-2021 www.siegfriedeng.com Fx 209-942-0214

DESIGN ENGINEER

DATE: 6/26/2015
R.C.E. NO.: 62498
EXP DATE: 09/2015

DRAWN BY: MDE
SCALE: AS SHOWN
SHEET 2 OF 6
C2.0
JOB NO. 11177
DRAWING FILE NO. G-

F:\11cad\11177 Sutter Home Winery Lodi\Frontage Improvements\11177-C2.0 SJC GENERAL NOTES & SPECIFICATIONS.dwg



STATION - NORTHING - EASTING TABLE		
STATION	NORTHING	EASTING
30+18.76	2240700.1320	6302824.0050
24+00.00	2241317.9519	6302833.5462
30+00.00	2240718.8364	6302822.5102
29+00.00	2240818.6521	6302816.5188
28+00.00	2240918.6121	6302813.8572
27+00.00	2241018.6052	6302814.5286
26+00.00	2241118.5204	6302818.5320
25+35.94	2241182.4380	6302822.8460
25+00.00	2241218.2622	6302825.6747
23+00.00	2241417.6417	6302841.4178
22+00.00	2241517.3314	6302849.2693
21+00.00	2241617.0211	6302857.1609
20+00.00	2241716.7108	6302865.0324
19+00.00	2241816.4005	6302872.9040
18.00+00	2241916.0902	6302880.7755
17+00.00	2242015.7799	6302888.6471

STATION - NORTHING - EASTING TABLE		
STATION	NORTHING	EASTING
16+00.00	2242115.4696	6302896.5186
15+00.00	2242215.1593	6302904.3902
14+00.00	2242314.8491	6302912.2617
13+99.49	2242315.3590	6302912.3020
13+00.00	2242414.6494	6302918.5040
12+00.00	2242514.6023	6302921.4169
11+35.53	2242579.0710	6302921.5280
11+00.00	2242614.5995	6302921.2000
10+00.00	2242714.5952	6302920.2770
9+00.00	2242814.5910	6302919.3539
8+00.00	2242914.5867	6302918.4308
7+00.00	2243014.5824	6302917.5077
6+00.00	2243114.5782	6302916.5847
5+00.00	2243214.5739	6302915.6616
0+00.00	2243714.5526	6302911.0462

Line Table: Alignments		
Line #	Length	Direction
L1	1136.447	S4° 30' 53.05"W
L2	1135.530	S0° 31' 44.00"E

CENTERLINE CURVE TABLE			
CURVE	RADIUS	DELTA	LENGTH
C1	3000.00'	9° 13' 17"	482.83'
C2	3000.00'	5° 02' 28"	263.96'

DEMOLITION LEGEND

REMOVE EXISTING ASPHALT CONCRETE TO A DEPTH OF 8"

CLEAR AND GRUB, EXCAVATE IN PREPARATION FOR NEW STRUCTURAL SECTION

BENCHMARK INFORMATION:

NGS BENCHMARK PID DH6898; 2 INCH DIAMETER ALUMINUM DISK WITH MAGNET, SET IN THE TOP NORTHEAST CORNER OF A CONCRETE IRRIGATION TURNOUT STRUCTURE, MONUMENT STAMPED "JERRY 1998". THE MONUMENT IS ACCESSED FROM A PAVED PRIVATE DRIVE (0.1 MILES WEST OF THE INTERSECTION OF WOODBRIDGE AND THORNTON ROADS) THAT CONTINUES NORTH UNTIL THE ROAD ENDS. A CARSONITE WITNESS POST SIGNIFIES THE LOCATION OF MONUMENT STAMPED "JERRY 1998", WITH ELEVATION (FT.) 17.46, NAVD 88

SCALE: 1"=40'

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: 07/17/15

DEMOLITION LEGEND

1. SAWCUT AND REMOVE ASPHALT CONCRETE, SEE PAVING PLAN FOR FURTHER DETAILS
2. REMOVE BY GRINDING EXISTING STRIPING
3. CLEAR AND GRUB EXISTING UNDEVELOPED AREA, EXCAVATE FOR PAVEMENT STRUCTURAL SECTION
4. CLEAR AND GRUB EXISTING SHRUBBERY AND VEGETATION NEAR EXISTING DITCH. EXISTING DITCH END UNKNOWN
5. PROTECT IN PLACE EXISTING DITCH
6. RELOCATE EXISTING MAILBOX 15' WEST, COORDINATE WITH OWNER
7. TRANSITION DRIVEWAY BACK TO NATIVE
8. APPROXIMATE 20' WOODBRIDGE IRRIGATION DISTRICT EASEMENT LINE

REVISIONS	NO.	DESCRIPTION	COUNTY APPRO-AL APPROVED BY	DATE

JACOB BRACK ROAD IMPROVEMENTS

JACOB BRACK ROAD STA 5+00.00 TO STA 30+18.76 DEMOLITION

PREPARED IN THE OFFICE OF:

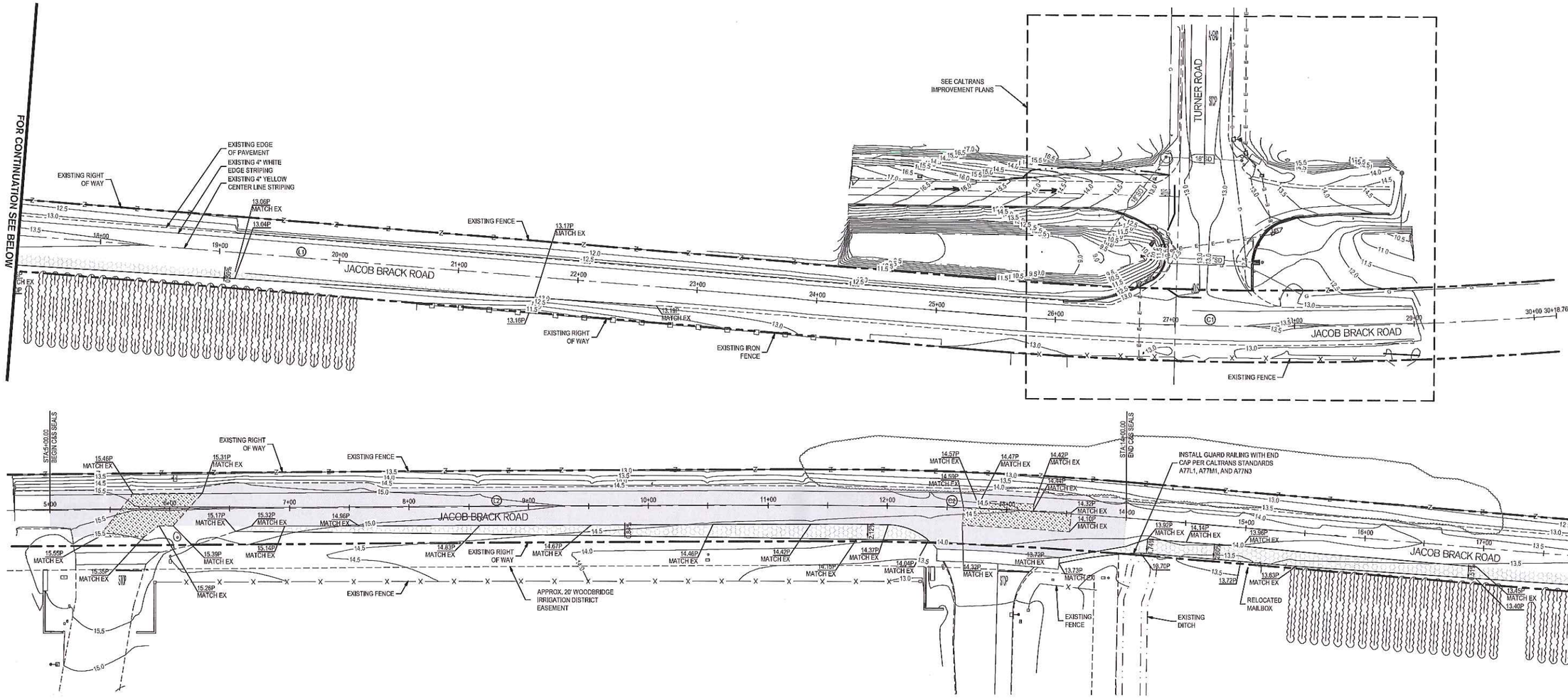
SIEGFRIED
CIVIL ENGINEERING
STRUCTURAL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND SURVEYING
3244 Brookside Road, Suite 100 Stockton, California 95219
209-943-2021 www.siegfriedeng.com Fx 209-943-0214

DESIGN ENGINEER

DATE: 8/26/2015
R.C.E. NO.: 62498
EXP DATE: 09/2015

DRAWN BY: MDE
SCALE: AS SHOWN
SHEET 3 OF 6
C3.0
JOB NO. 11177
DRAWING FILE NO. G-

F:\11\civil\11177 Sutter Home Winery Lodi\Frontage Improvements\11177-C3.0 SJC JACOB BRACK RD STA 5+00.00 TO 30+18.76 DEMOLITION.dwg



BENCHMARK INFORMATION:

NGS BENCHMARK PID DH6898; 2 INCH DIAMETER ALUMINUM DISK WITH MAGNET, SET IN THE TOP NORTHEAST CORNER OF A CONCRETE IRRIGATION TURNOUT STRUCTURE, MONUMENT STAMPED "JERRY 1998". THE MONUMENT IS ACCESSED FROM A PAVED PRIVATE DRIVE (0.1 MILES WEST OF THE INTERSECTION OF WOODBRIDGE AND THORNTON ROADS) THAT CONTINUES NORTH UNTIL THE ROAD ENDS. A CARSONITE WITNESS POST SIGNIFIES THE LOCATION OF MONUMENT STAMPED "JERRY 1998", WITH ELEVATION (FT.) 17.40. NAVD 88

PAVING LEGEND

- INSTALL 8" ASPHALT CONCRETE DEEPLIFT PER CALTRANS STANDARD SPECIFICATIONS SECTION 39 (HOT MIX ASPHALT) OVER EXISTING CLASS II AGGREGATE BASE (±3535 S.F)
- INSTALL 7.5" ASPHALT CONCRETE OVER 9.5" AGGREGATE BASE OVER NATIVE SUBGRADE COMPACTED TO 95% R.C. (TI=12.0, R=50) (±11,098 S.F.)
- INSTALL NEW CHIP SEAL PER CALTRANS STANDARD SPECIFICATIONS SECTION 37 (BITUMINOUS SEALS) OVER AREA, REPLACE STRIPING IN KIND (±24,038 S.F.).

Line Table: Alignments

Line #	Length	Direction
L1	1136.447	S4° 30' 53.05"W
L2	1135.530	S9° 31' 44.00"E

CENTERLINE CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH
C1	3000.00'	9° 13' 17"	482.83'
C2	3000.00'	5° 02' 28"	263.96'

0' 5' 10' 20'
SCALE: 1"=10'

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: 07/17/15

NOTE:

EXISTING DRAINAGE IS UNALTERED, ALL SURFACE DRAINAGE MAY ULTIMATELY FIND ITS WAY TO THE EXISTING DITCH. TERMINATION OF DITCH AT PROPERTY LINE UNKNOWN. CONTRACTOR TO VERIFY AND CONTACT ENGINEER.

REVISIONS NO.	DESCRIPTION	COUNTY APPROVAL APPROVED BY	DATE

JACOB BRACK ROAD IMPROVEMENTS

JACOB BRACK RD STA 5+00.00 TO 30+18.76 PAVING

PREPARED IN THE OFFICE OF:

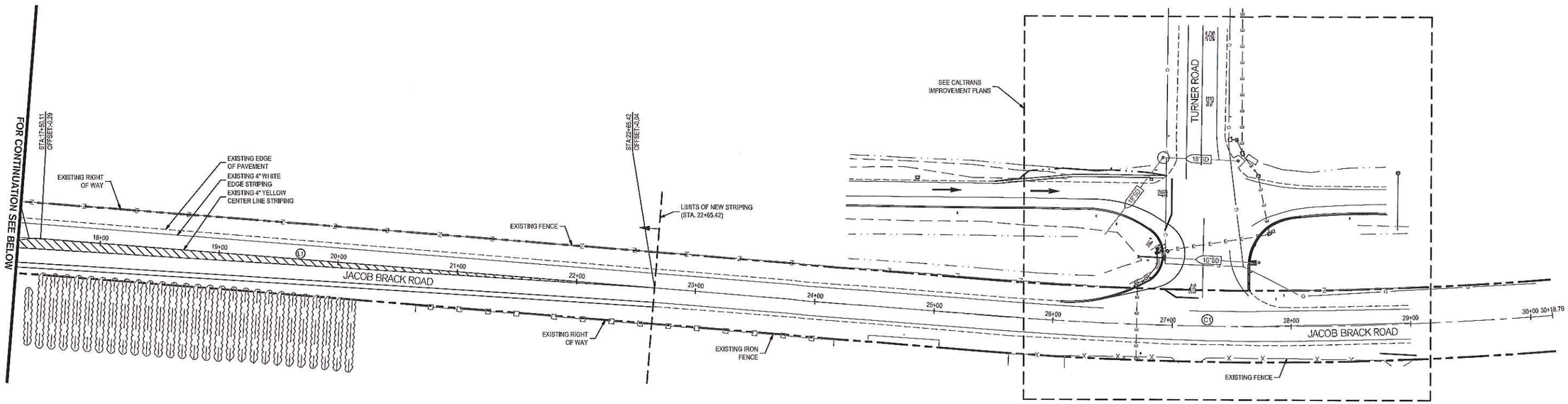
SIEGFRIED
CIVIL ENGINEERING
STRUCTURAL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND SURVEYING
3234 Brooks-Jo Road Suite 100 Stockton, California 95219
209-943-7001 www.siegfriseng.com Fx 209-942-0214

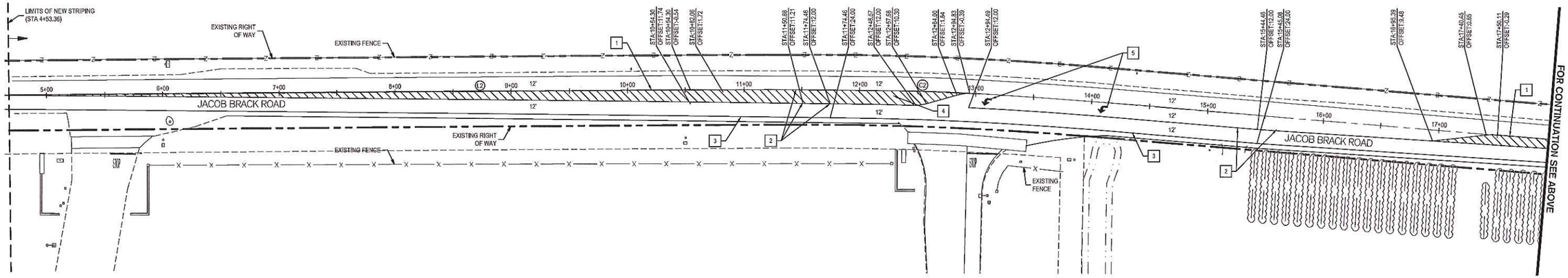
DESIGN ENGINEER

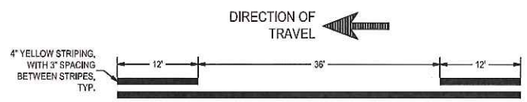
DATE: 9/26/2015
R.C.E. NO.: 62498
EXP DATE: 09/2015

DRAWN BY: MDE
SCALE: AS SHOWN
SHEET 4 OF 6
C3.1
JOB NO. 11177
DRAWING FILE NO. G-

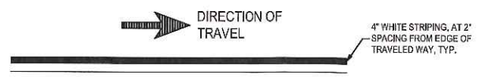
P:\11ced\11177 Sutter Home Winery Lodi\Frontage Improvements\11177-C3.1 SJC JACOB BRACK RD STA 5+00.00 TO 30+18.76 PAVING G.dwg







CALTRANS DETAIL 29 - A20B
NO SCALE



CALTRANS DETAIL 27B - A20B
NO SCALE

CALTRANS DETAIL 29 - A20B
NO SCALE

NOTE:

EXISTING GROUND CONTOURS, SHRUBBERY, TREES, AND VEGETATION NOT SHOWN FOR CLARITY.

ALL STRIPING TO BE PAINTED UNLESS OTHERWISE NOTED.

Line Table: Alignments

Line #	Length	Direction
L1	1136.447	S4° 30' 53.05"W
L2	1135.530	S0° 31' 44.00"E

CENTERLINE CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH
C1	3000.00'	9° 13' 17"	482.83'
C2	3000.00'	5° 02' 26"	263.96'

BENCHMARK INFORMATION:

NGS BENCHMARK PID DH5898; 2 INCH DIAMETER ALUMINUM DISK WITH MAGNET, SET IN THE TOP NORTHEAST CORNER OF A CONCRETE IRRIGATION TURNOUT STRUCTURE, MONUMENT STAMPED "JERRY 1998". THE MONUMENT IS ACCESSED FROM A PAVED PRIVATE DRIVE (0.1 MILES WEST OF THE INTERSECTION OF WOODBRIDGE AND THORNTON ROADS) THAT CONTINUES NORTH UNTIL THE ROAD ENDS. A CARSONITE WITNESS POST SIGNIFIES THE LOCATION OF MONUMENT STAMPED "JERRY 1998", WITH ELEVATION (FT.) 17.40, NAVD 88

STRIPING LEGEND

1. INSTALL 4" YELLOW STRIPING PER CALTRANS DETAIL 18 SHEET A20A, AND CALTRANS STANDARD SPECIFICATIONS SECTION 84 (TRAFFIC STRIPES AND PAVEMENT MARKINGS)
2. INSTALL 4" YELLOW STRIPING PER CALTRANS DETAIL 29 SHEET A20B, AND CALTRANS STANDARD SPECIFICATIONS SECTIONS 84 (TRAFFIC STRIPES AND PAVEMENT MARKINGS) AND SECTIONS 85 (PAVEMENT MARKERS)
3. INSTALL 4" WHITE EDGE STRIPING PER CALTRANS DETAIL 27B SHEET A20B, AND CALTRANS STANDARD SPECIFICATIONS SECTION 84 (TRAFFIC STRIPES AND PAVEMENT MARKINGS)
4. INSTALL 4" WHITE STRIPING AT 36" O.C. PER CALTRANS STANDARD SPECIFICATIONS SECTION 84 (TRAFFIC STRIPES AND PAVEMENT MARKINGS)
5. INSTALL CALTRANS STANDARD TYPE IV (L) ARROW PER SHEET A24A, AND CALTRANS STANDARD SPECIFICATIONS SECTION 84 (TRAFFIC STRIPES AND PAVEMENT MARKINGS)

0' 5' 10' 20'
SCALE: 1"=10'

CA: 800-227-2600
NV: 800-227-2600

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

DATE SIGNED: 07/17/15

REVISIONS	NO.	DESCRIPTION	COUNTY APPROVAL APPROVED BY	DATE

JACOB BRACK ROAD IMPROVEMENTS

JACOB BRACK RD STA 5+00.00 TO 30+18.76 STRIPING

PREPARED IN THE OFFICE OF:

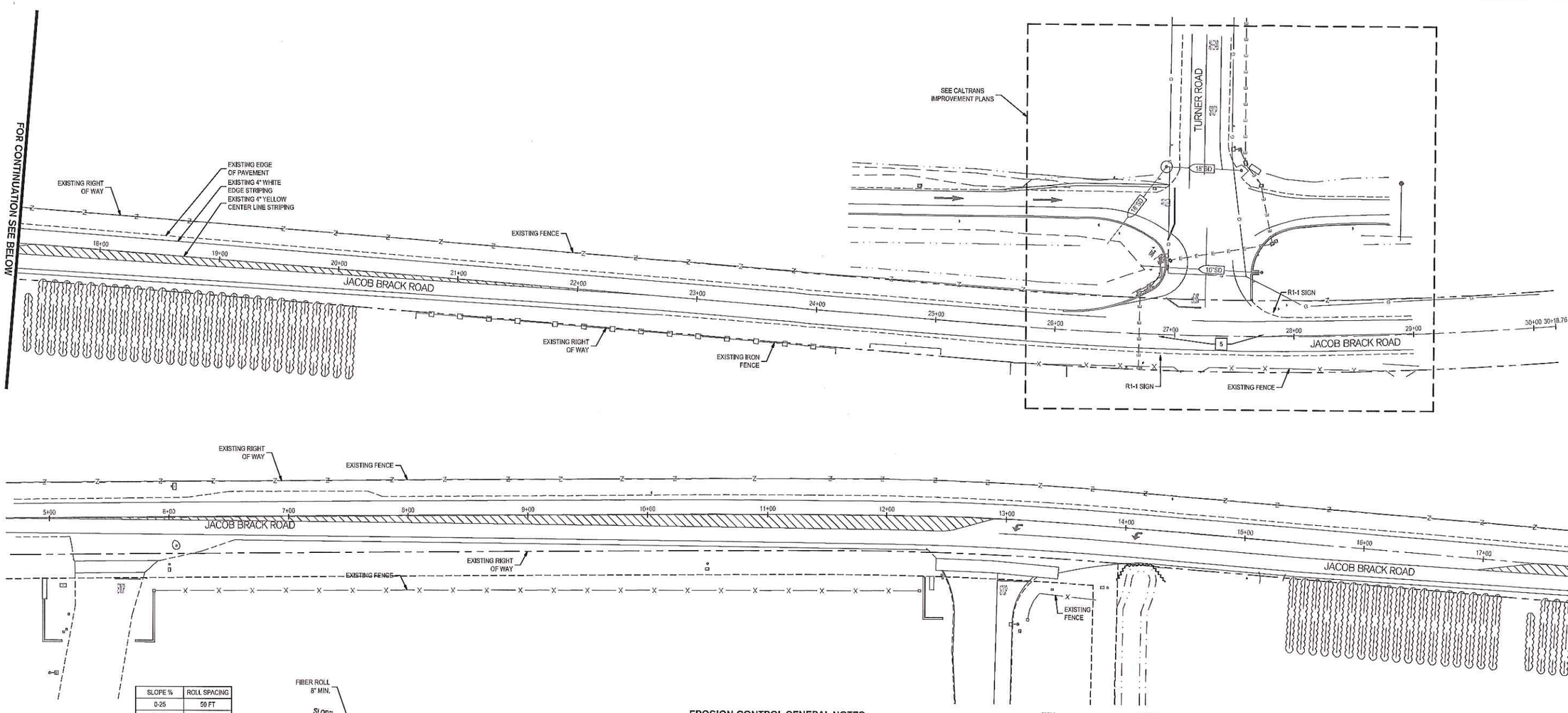
SIEGFRIED
CIVIL ENGINEERING
STRUCTURAL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND SURVEYING
3244 Brooks-Je Road, Suite 100 Stockton, California 95219
209-943-2021 www.siegfriedeng.com Fx 209-943-0214

DESIGN ENGINEER

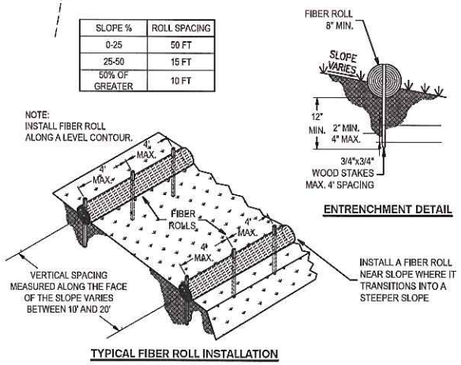
DATE: 6/26/2015
R.C.E. NO.: 62498
EXP. DATE: 09/2015

DRAWN BY: MDE
SCALE: AS SHOWN
SHEET 5 OF 6
C3.2
JOB NO. 11177
DRAWING FILE NO. G-

F:\11ca\11177 Sutter Home Winery Lodi\Frontage Improvements\11177-C3.2 SJC-JACOB BRACK RD STA 5+00.00 TO 30+18.76 STRIPING.dwg



SLOPE %	ROLL SPACING
0-25	50 FT
25-50	15 FT
50% OF GREATER	10 FT



TYPICAL FIBER ROLL INSTALLATION

ENTRENCHMENT DETAIL

EROSION CONTROL LEGEND:

SYMBOL	DESCRIPTION
~~	

EROSION CONTROL NOTES:

1. CLEAR AND GRUB EXISTING AREAS AS REQUIRED PER CALTRANS STANDARD SPECIFICATIONS SECTION 16 AND 21.
2. ANY ADDITIONAL GRADING REQUIRED SHALL BE AT 4:1 MAX TO EXISTING.
3. DRY SEED AND COMPOST PER CALTRANS STANDARD SPECIFICATIONS TO ALL AFFECTED GRADED AREAS NOT SHOWN IN THESE PLANS.

EROSION CONTROL GENERAL NOTES:

1. PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW ALL OFFSETS. THE SITE IS DYNAMIC AND CHANGES ON A DAILY BASIS. CHANGES SHOULD BE MADE ACCORDING TO EXISTING CONDITIONS. BECAUSE IT IS IMPOSSIBLE TO PREDICT ALL POSSIBLE SITUATIONS, CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES TO ENSURE QUALITY CONTROL.
2. THE CONTRACTOR SHALL REVIEW THE CURRENT STORM WATER POLLUTION PREVENTION PLAN (SWPPP), IT IS THE CONTRACTORS SOLE RESPONSIBILITY FOR CONDUCTING HIS/HER OPERTATIONS IN ADHERANCE TO THE SWPPP. THE CONTRACTOR IS RESPONSIBLE FOR ANY FINES, DELAYS, AND/OR DAMAGES RESULTING FROM ANY STATE WATER QUALITY CONTROL BOARD SANCTIONS CAUSED BY THE OPERATION OF THE CONTRACTOR OF HIS/HER SUBCONTRACTORS.
3. THE FOLLOWING PLANS ARE ACCURATE FOR EROSION CONTROL PURPOSES ONLY. THE CONTRACTOR SHALL FOLLOW THESE PLANS UNLESS FIELD CONDITIONS DICTATE MODIFICATION. IF MODIFICATION IS NECESSARY, A SWPPP AMENDMENT MUST BE DONE. THIS MAY REQUIRE MODIFICATION TO THESE DRAWINGS AND ENGINEER CONCURRENCE.
4. INSPECT AND REPAIR FILTERS AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN 1/2 OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA TRIBUTARY TO A SEDIMENT BASIN OR OTHER FILTERING MEASURE. SEDIMENT AND GRAVEL SHALL BE IMMEDIATELY REMOVED FROM PAVEMENT OF ROAD.
5. UNFINISHED AND DISTURBED ARE TO BE PROTECTED WITH AN APPLICATION OF BLOWN STRAW AND ORGANIC BINDER.

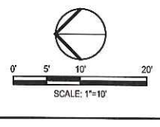
ITEM	LB/ACRE
STRAW	4,000
ORGANIC BINDER	200

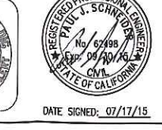
6. ALTERNATE INLET PROTECTION SHALL BE USED ON ROADS OPEN TO THE PUBLIC IF ANY HAZARDOUS MATERIALS OR WASTES WHICH HAVE BEEN TREATED, STORED, DISPOSED, SPILLED, OR LEAKED IN SIGNIFICANT QUANTITIES ONTO THE CONSTRUCTION SITE, THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE THEM FROM THE SITE AND DISPOSE OF PROPERLY.
7. CHLORINATED OR DECHLORINATED WATER SHALL NOT BE DISCHARGED INTO THE STORM DRAIN SYSTEM. THE CONTRACTOR MAY DISPOSE THIS WATER INTO THE SANITARY SEWER SYSTEM UPON APPROVAL BY THE GOVERNING AGENCY.
8. THE CONTRACTOR SHALL KEEP MAINTENANCE, INSPECTION, AND REPAIR PROCEDURES TO ENSURE THAT ALL GRADED SURFACES, WALLS, BERMS, DRAINAGE STRUCTURES, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER CONTROLS ARE MAINTAINED IN GOOD AND EFFECTIVE CONDITION AND ARE PROMPTLY REPAIRED OR RESTORED WHEN NECESSARY. ANY DEWATERING WATER SHALL NOT BE DISCHARGED DIRECTLY INTO THE STORM WATER SYSTEM, AND SHALL NOT BE DISCHARGED INTO THE SEWER SYSTEM.
9. ALL DEWATERING WATER MUST BE CHANNELED THROUGH AN APPROVED SEDIMENT BARRIER PRIOR TO THE WATER ENTERING THE STORM SYSTEM.
10. PAVEMENT CLEANING- FLUSHING OF STREETS/ PARKING LOTS TO REMOVE DIRT AND CONSTRUCTION DEBRIS IS PROHIBITED UNLESS PROPER SEDIMENT CONTROLS ARE USED. PREFERABLY, AREAS REQUIRING CLEANING SHOULD BE SWEPT.
11. ALL STOCKPILES OF MATERIALS THAT ARE NOT GOING TO BE USED FOR 14 DAYS SHALL BE COVERED.
12. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMPs) THROUGHOUT CONSTRUCTION. USE ALL BMPs THAT APPLY TO THE PROJECT, INCLUDING BUT NOT LIMITED TO THE FOLLOWING BMPs:
    - A. DRAIN INLET PROTECTION - CALIFORNIA STORMWATER BMP HANDBOOK SECTION SE-10
    - B. SOLID WASTE MANAGEMENT - CALIFORNIA STORMWATER BMP HANDBOOK SECTION WM-5
    - C. MATERIAL STORAGE - CALIFORNIA STORMWATER BMP HANDBOOK SECTION WM-1
    - D. PAVING - CALIFORNIA STORMWATER BMP HANDBOOK SECTION NS-3
    - E. DUST CONTROL, SEDIMENT CONTROL, EROSION CONTROL AND CONCRETE WASHOUT AREAS - SHOWN ON THIS SHEET WITH DETAILS

1 FIBER ROLLS
SCALE: NTS

BENCHMARK INFORMATION:

NGS BENCHMARK PID DH8858; 2 INCH DIAMETER ALUMINUM DISK WITH MAGNET, SET IN THE TOP NORTHEAST CORNER OF A CONCRETE IRRIGATION TURNOUT STRUCTURE, MONUMENT STAMPED "JERRY 1998". THE MONUMENT IS ACCESSED FROM A PAVED PRIVATE DRIVE (0.1 MILES WEST OF THE INTERSECTION OF WOODBRIDGE AND THORNTON ROADS) THAT CONTINUES NORTH UNTIL THE ROAD ENDS. A CARSONITE WITNESS POST SIGNIFIES THE LOCATION OF MONUMENT STAMPED "JERRY 1998", WITH ELEVATION (FT.) 17.40. NAVD 88





DATE SIGNED: 07/17/15

REVISIONS NO.	DESCRIPTION	COUNTY APPROVAL APPROVED BY	DATE

JACOB BRACK ROAD IMPROVEMENTS

EROSION CONTROL PLAN

PREPARED IN THE OFFICE OF:

SIEGFRIED
CIVIL ENGINEERING
STRUCTURAL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND SURVEYING
3244 Brookside Road, Suite 100 Stockton, California 95219
209-943-7021 www.siegfriedeng.com Fx 209-943-0214

DESIGN ENGINEER

DATE: 6/26/2015
R.C.E. NO.: 62498
EXP DATE: 09/2015

DRAWN BY: MDE
SCALE: AS SHOWN
SHEET 6 OF 6
C4.0
JOB NO. 11177
DRAWING FILE NO. G-

P:\11\civil\11177 Sutter Home Winery Lodi\Frontage Improvements\11177-C4.0 SJC JACOB BRACK RD EROSION CONTROL PLAN.dwg

STATEWIDE™
TRAFFIC SAFETY & SIGNS

Statewide Traffic Safety and Signs("Statewide") shall not be responsible for, and [SIEGFRIED ENGINEERING & SAN JOAQUIN CO] shall indemnify, defend and hold harmless Statewide and its agents, representatives and employees from and against, any claims, costs, damages, liabilities, expenses, demands and losses (including attorney's fees and costs and expenses) arising out of or relating to the failure of any Traffic Control Plan applicable to Statewide's work or services to comply with any local, state or federal rule, regulation, ordinance, or statute. [SIEGFRIED ENGINEERING & SAN JOAQUIN CO] agrees that the Statewide is entitled to and will rely on the written Traffic Control Plan(s) provided to Statewide by [SIEGFRIED ENGINEERING & SAN JOAQUIN CO] and its agents, representatives and employees in the performance of Statewide's work or services.

GENERAL NOTES

1. THIS PLAN SUPPLEMENTED WITH 2014 CA MUTCD.
2. THE LOCATION OF THE SIGNS SHOWN ON THE PLAN ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT, GRADE, LOCATION OF THE STREET INTERSECTIONS, AND THE 85TH PERCENTILE.
3. ONLY ONE SIDEWALK WILL BE CLOSED AT A TIME. PEDESTRIAN AND DISABLED ACCESS TO BE MAINTAINED PER 2014 CA MUTCD STANDARD (SAN JOAQUIN COUNTY STANDARD CONSTRUCTION SPEC)
4. NOTHING ALLOWED IN BUFFER/TRANISTION AREA AT ANY TIME.
5. NOTIFY LOCAL LAW ENFORCEMENT, FIRE, AMBULANCE COMPANIES WITHIN 24 HOURS BEFORE CONSTRUCTION BEGINS. KEEP OPEN ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES.
6. SIGNS AND CHANNELIZING DEVICES MUST BE RETRO REFLECTIVE OR ILLUMINATE DURING THE NIGHT. MINIMUM VIABILITY 1000'
7. CONTINUOS MONITORING AND MAINTENANCE OF THE TRAFFIC CONTROL ZONE WILL BE IMPLEMENTED FOR THE PURPOSE OF MAINTAINING EMERGENCY ACCESS, ACCOMMODATION FOR PEDESTRIANS, BICYCLE TRAFFIC AND THE DISABLED.
8. ALL CONFLICTING MARKINGS ARE TO BE REMOVED FOR PROJECTS THAT LAST A TERM OF 3 DAYS OR LONGER.
9. ALL SIGNS IMPLEMENTED WILL ONLY BE VIEWABLE WHEN IN USE, OTHERWISE ALL WARNING DEVICES WILL BE TAKEN DOWN OR COVERED.
10. PROPER TRAINING OF TRAFFIC CONTROLLERS, PROPER DEVICES & PROPER USE OF THE DEVICES ARE REQUIRED AT ALL TIMES.

CONSTRUCTION ZONE TRAFFIC CONTROL
STATEWIDE TRAFFIC SAFETY & SIGNS
LICENSE # 975518
JOE MURPHY
(916) 452-4855
STATE OF CALIFORNIA

SIEGFRIED

CONTACT:
MIKE EBENAL
209-943-2021

OWNER
SAN JOAQUIN CO

ADDRESS/JOB NUMBER
SUTTER HOME WINERY- FRONTAGE IMPROVEMENT (11177)

LOCATION MAP
JACOB BRACK RD

SPEED LIMIT
SPEED LIMIT 25

COMPASS
N W E S

DEVICE SPACING TABLE (CA MUTCD 2014 EDITION TABLE 6H-4/6H-4(CA))

POSTED SPEED	FORMULA	BUFFER SPACE	MINIMUM TAPER LENGTHS									MAXIMUM CONE SPACING		SIGN SPACING ⚠1	LIDG (FT) ⚠1
			10' OFFSET			11' OFFSET			12' OFFSET						
			L	1/2 L	1/3 L	L	1/2 L	1/3 L	L	1/2 L	1/3 L				
			MERGE	SHIFT	SHOULDER	MERGE	SHIFT	SHOULDER	MERGE	SHIFT	SHOULDER	LONG	TAPER & LIDG		
25		155'	104'	52'	35'	115'	57'	38'	125'	63'	42'	25'	13'	100' TO 200'	94'
30	L=WS2/60	200'	150'	75'	50'	165'	83'	55'	180'	90'	60'	30'	15'	120' TO 250'	113'
35		250'	204'	102'	68'	225'	112'	75'	245'	123'	82'	35'	18'	140' TO 280'	131'
40		305'	267'	133'	89'	293'	147'	98'	320'	160'	107'	40'	20'	160' TO 320'	150'
45	L=WS	360'	450'	225'	150'	495'	248'	165'	540'	270'	180'	45'	23'	360' TO 540'	169'
50		425'	500'	250'	167'	550'	275'	183'	600'	300'	200'	50'	25'	400' TO 600'	197'
55		495'	550'	275'	183'	605'	303'	202'	660'	330'	220'	50'	28'	440' TO 660'	210'
60		570'	600'	300'	200'	660'	330'	220'	720'	360'	240'	50'	30'	480' TO 720'	225'
65		645'	650'	325'	217'	715'	358'	238'	780'	390'	260'	50'	33'	520' TO 780'	244'
70		730'	700'	350'	233'	770'	385'	257'	840'	420'	280'	50'	35'	560' TO 840'	263'

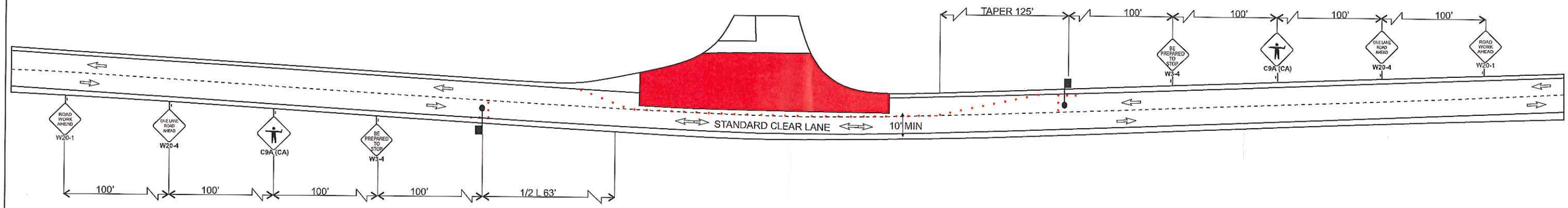
LOW SPEED IS 40 MPH OR LESS
HIGH SPEED IS 45 MPH OR MORE
BOTH ARE BASED ON:
1. 85H % TILE OR IF NOT AVAILABLE, THEN USE
2. POSTED SPEED LIMIT (PSL)
3. ANTICIPATED SPEED

L = TAPER LENGTH
S = SPEED
W = WIDTH (OFFSET FROM PATH OF TRAVEL)

RECOMMENDED ADVANCED WARNING SIGN SPACING TABLE
(CA MUTCD 2012 EDITION TABLE 6-C1, SEE TABLE FOR ADDITIONAL INFORMATION)

ROAD TYPE	A	B	C
URBAN (LOW SPEED) 25 MPH OR LESS	100'	100'	100'
URBAN (LOW SPEED) MORE THAN 25 MPH TO 40 MPH	250'	250'	250'
URBAN (HIGH SPEED) MORE THAN 40 MPH	350'	350'	350'
RURAL	500'	500'	500'
EXPRESSWAY/FREEWAY USE 6C.04 OF 2014 MUTCD	1,000'	1,000'	1,000'

NOTE:
WORK WILL BE PREFORMED IN ROAD AND DRIVEWAYS OF THE WINERY
ON JACOB BRACK RD.
THERE IS ONE RESIDENCE ON THE NORTH END OF JACOB BRACK RD THAT
WILL BE AFFECTED BY TRAFFIC CONTROL. ALL OTHER TRAFFIC WILL BE FOR THE WINERY.
TRAFFIC CONTROL MAY BE FLIPPED INTO THE EAST SIDE OF THE ROAD AS NEEDED.
SIGNS WILL REMAIN THE SAME CONES WILL BE ADJUSTED ACCORDINGLY PER APPROVED PLAN.
ALL SIGNS AND SIGN PLACEMENTS PER CA MUTCD STANDARDS.



CONSTRUCTION ZONE TRAFFIC CONTROL
STATEWIDE TRAFFIC SAFETY & SIGNS
LICENSE # 975518
JOE MURPHY
(916) 452-4855
STATE OF CALIFORNIA

LOCATION: I-5 @ TURNER RD EXIT 48

CONTRACTOR

SIEGFRIED

CONTACT MIKE EBENAL

PHONE # 209-943-2021

CONSTRUCTION HOURS: 7AM TO 3:30PM

25 MPH
10' OFFSET = 104'
11' OFFSET = 115'
12' OFFSET = 125'

PLAN # 337

DATE: 6/15/15

ROADS:
> 50 MPH
MINIMUM 48"
SIGN PANEL

	WORK ZONE		W20-5
	TEMPORARY C.A.S.		FLAGMAN
	TRAFFIC FLOW		C9A (CA)
	W20-1		
	CHANNELIZERS		
	W3-4		

STATEWIDE™
TRAFFIC SAFETY & SIGNS

Statewide Traffic Safety and Signs("Statewide") shall not be responsible for, and [SIEGFRIED & SAN JOAQUIN CO] shall indemnify, defend and hold harmless Statewide and its agents, representatives and employees from and against, any claims, costs, damages, liabilities, expenses, demands and losses (including attorney's fees and costs and expenses) arising out of or relating to the failure of any Traffic Control Plan applicable to Statewide's work or services to comply with any local, state or federal rule, regulation, ordinance, or statute. [SIEGFRIED & SAN JOAQUIN CO] agrees that the Statewide is entitled to and will rely on the written Traffic Control Plan(s) provided to Statewide by [SIEGFRIED & SAN JOAQUIN CO] and its agents, representatives and employees in the performance of Statewide's work or services.

GENERAL NOTES

1. THIS PLAN SUPPLEMENTED WITH 2014 CA MUTCD.
2. THE LOCATION OF THE SIGNS SHOWN ON THE PLAN ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT, GRADE, LOCATION OF THE STREET INTERSECTIONS, AND THE 85TH PERCENTILE.
3. ONLY ONE SIDEWALK WILL BE CLOSED AT A TIME. PEDESTRIAN AND DISABLED ACCESS TO BE MAINTAINED PER 2014 CA MUTCD STANDARD (SAN JOAQUIN CO STANDARD CONSTRUCTION SPEC)
4. NOTHING ALLOWED IN BUFFER/TRANISTION AREA AT ANY TIME.
5. NOTIFY LOCAL LAW ENFORCEMENT, FIRE, AMBULANCE COMPANIES WITHIN 24 HOURS BEFORE CONSTRUCTION BEGINS. KEEP OPEN ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES.
6. SIGNS AND CHANNELIZING DEVICES MUST BE RETRO REFLECTIVE OR ILLUMINATE DURING THE NIGHT. MINIMUM VIABILITY 1000'
7. CONTINUOS MONITORING AND MAINTENANCE OF THE TRAFFIC CONTROL ZONE WILL BE IMPLEMENTED FOR THE PURPOSE OF MAINTAINING EMERGENCY ACCESS, ACCOMMODATION FOR PEDESTRIANS, BICYCLE TRAFFIC AND THE DISABLED.
8. ALL CONFLICTING MARKINGS ARE TO BE REMOVED FOR PROJECTS THAT LAST A TERM OF 3 DAYS OR LONGER.
9. ALL SIGNS IMPLEMENTED WILL ONLY BE VIEWABLE WHEN IN USE, OTHERWISE ALL WARNING DEVICES WILL BE TAKEN DOWN OR COVERED.
10. PROPER TRAINING OF TRAFFIC CONTROLLERS, PROPER DEVICES & PROPER USE OF THE DEVICES ARE REQUIRED AT ALL TIMES.

DEVICE SPACING TABLE (CA MUTCD 2014 EDITION TABLE 6H-4/6H-4(CA))

POSTED SPEED	FORMULA	BUFFER SPACE	MINIMUM TAPER LENGTHS									MAXIMUM CONE SPACING		SIGN SPACING	LIDG (FT)
			10' OFFSET			11' OFFSET			12' OFFSET						
			L	1/2 L	1/3 L	L	1/2 L	1/3 L	L	1/2 L	1/3 L				
			MERGE	SHIFT	SHOULDER	MERGE	SHIFT	SHOULDER	MERGE	SHIFT	SHOULDER	LONG	TAPER & LIDG	1	1
25		155'	104'	52'	35'	115'	57'	38'	125'	63'	42'	25'	13'	100' TO 200'	94'
30	L=WS2/60	200'	150'	75'	50'	165'	83'	55'	180'	90'	60'	30'	15'	120' TO 250'	113'
35		250'	204'	102'	68'	225'	112'	75'	245'	123'	82'	35'	18'	140' TO 280'	131'
40		305'	267'	133'	89'	293'	147'	98'	320'	160'	107'	40'	20'	160' TO 320'	150'
45	L=WS	360'	450'	225'	150'	495'	248'	165'	540'	270'	180'	45'	23'	360' TO 540'	169'
50		425'	500'	250'	167'	550'	275'	183'	600'	300'	200'	50'	25'	400' TO 600'	197'
55		495'	550'	275'	183'	605'	303'	202'	660'	330'	220'	50'	28'	440' TO 660'	210'
60		570'	600'	300'	200'	660'	330'	220'	720'	360'	240'	50'	30'	480' TO 720'	225'
65		645'	650'	325'	217'	715'	358'	238'	780'	390'	260'	50'	33'	520' TO 780'	244'
70		730'	700'	350'	233'	770'	385'	257'	840'	420'	280'	50'	35'	560' TO 840'	263'

LOW SPEED IS 40 MPH OR LESS
HIGH SPEED IS 45 MPH OR MORE
BOTH ARE BASED ON:
1. 85H % TILE OR IF NOT AVAILABLE, THEN USE
2. POSTED SPEED LIMIT (PSL)
3. ANTICIPATED SPEED

L = TAPER LENGTH
S = SPEED
W = WIDTH (OFFSET FROM PATH OF TRAVEL)

RECOMMENDED ADVANCED WARNING SIGN SPACING TABLE
(CA MUTCD 2012 EDITION TABLE 6-C1, SEE TABLE FOR ADDITIONAL INFORMATION)

ROAD TYPE	A	B	C
URBAN (LOW SPEED) 25 MPH OR LESS	100'	100'	100'
URBAN (LOW SPEED) MORE THAN 25 MPH TO 40 MPH	250'	250'	250'
URBAN (HIGH SPEED) MORE THAN 40 MPH	350'	350'	350'
RURAL	500'	500'	500'
EXPRESSWAY/FREEWAY USE 6C.04 OF 2014 MUTCD	1,000'	1,000'	1,000'

CONSTRUCTION ZONE TRAFFIC CONTROL
STATEWIDE TRAFFIC SAFETY & SIGNS
LICENSE # 975518
JOE MURPHY
(916) 452-4855
STATE OF CALIFORNIA

7920 CUCAMONGA AVE
SACRAMENTO, CA 95826
abennett@stssi.com
916-452-4855

SIEGFRIED

CONTACT:
MIKE EBENAL
209-943-2021 X156

OWNER
SAN JOAQUIN CO

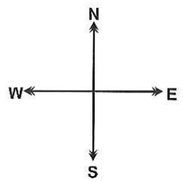
ADDRESS/JOB NUMBER
SUTTER HOME WINERY-
FRONTAGE IMPROVEMENTS (11177)

LOCATION MAP

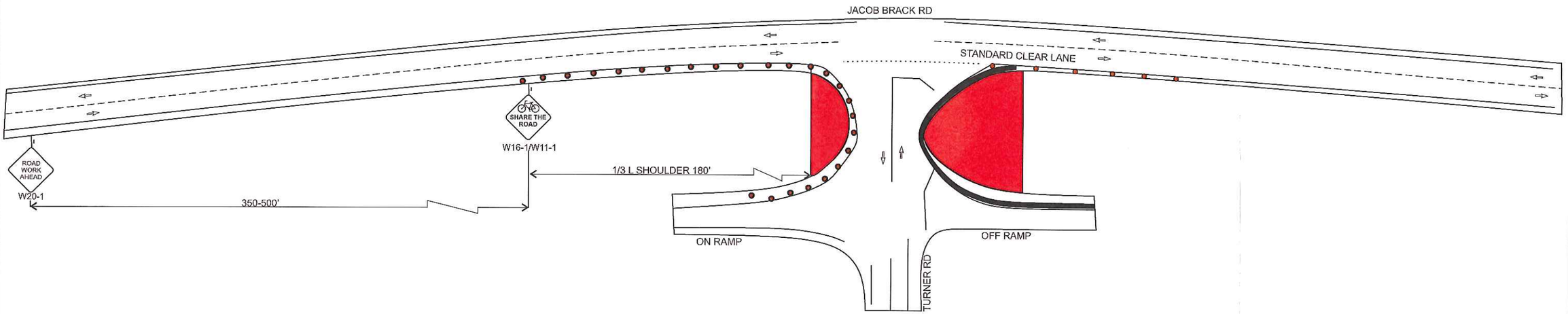
SPEED LIMIT

SPEED LIMIT
45

COMPASS



NOTE:
SHOULDER CLOSURE WILL BE USED FROM START OF
JOB TO COMPLETION AS NEEDED BY CONTRACTOR
THIS SHOULDER CLOSURE WILL MAINTAIN 12' CLEAR LANE AT ALL TIMES
PER APPROVED PLAN AND SAN JOAQUIN CO STANDARD SPECS.
ALL SIGNS AND SIGN PLACEMENTS PER CA MUTCD STANDARDS.



CONSTRUCTION ZONE TRAFFIC CONTROL
STATEWIDE TRAFFIC SAFETY & SIGNS
LICENSE # 975518
JOE MURPHY
(916) 452-4855
STATE OF CALIFORNIA

LOCATION: I-5 @ TURNER RD EXIT 48
CONTRACTOR
SIEGFRIED
CONTACT MIKE EBENAL
PHONE # 209-943-2021

CONSTRUCTION HOURS: 7AM TO 3:30PM

45 MPH
10' OFFSET = 450'
11' OFFSET = 495'
12' OFFSET = 540'

PLAN # 311
DATE: 6/01/15

ROADS:
> 50 MPH
MINIMUM 48"
SIGN PANEL

	WORK ZONE					
	TEMPORARY C.A.S.					
	TRAFFIC FLOW					
	W20-1					
	CHANNELIZERS					
	W16-1/W11-1					