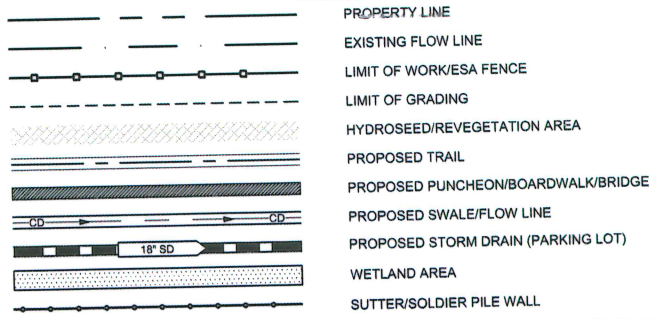


LEGEND



TRAIL WORK AREAS

AREA 1:	CALTRANS FILL SLOPE (STA. 0+00 TO 3+80)
AREA 2:	CLIMB TO EXISTING TRAIL BENCH (STA. 3+80 TO 9+72)
AREA 3:	SINGLE TRACK TRAIL RECONSTRUCTION AND ACCESS ROAD LINK (STA. 9+72 TO 26+02)
AREA 4:	ACCESS ROAD REPAIR (STA. 26+02 TO 45+33)
AREA 5:	PARKING LOT IMPROVEMENTS

WORK AREAS

FOR CONSTRUCTION PLANNING AND MANAGEMENT PURPOSES, THE PROJECT AREA HAS BEEN DIVIDED INTO FIVE WORK AREAS:

- HIGHWAY 1 CONNECTION AND CALTRANS FILL SLOPE: WORK INCLUDES RETAINING WALL AND TRAIL SECTION. NO MECHANIZED VEHICLES ALLOWED ON FILL SLOPE.
- CALTRANS UNDISTURBED SLOPE: WORK INCLUDES EARTHWORK, TRAIL CONSTRUCTION, BOARDWALK AND FIBERGLASS BRIDGE ON HE LICAL PILES.
- CALTRANS OLD COLMA ROAD SEGMENT: WORK INCLUDES EARTHWORK, TRAIL CONSTRUCTION, AND BOARDWALK CROSSING.
- STATE PARKS PROPERTY: WORK INCLUDES EARTHWORK, TRAIL CONSTRUCTION, MINOR GRADING OF EXISTING ACCESS ROAD ROCK-LINED SWALE, AND BOARDWALK CROSSING OF GREEN VALLEY CREEK.
- STATE PARKS UPPER PARKING AREA: WORK INCLUDES EARTHWORK, AGGREGATE BASE AND ASPHALT PAVING, DRAINAGE IMPROVEMENTS, AND FURNISHING AND INSTALLING PRE-ENGINEERED VAULT TOILET.

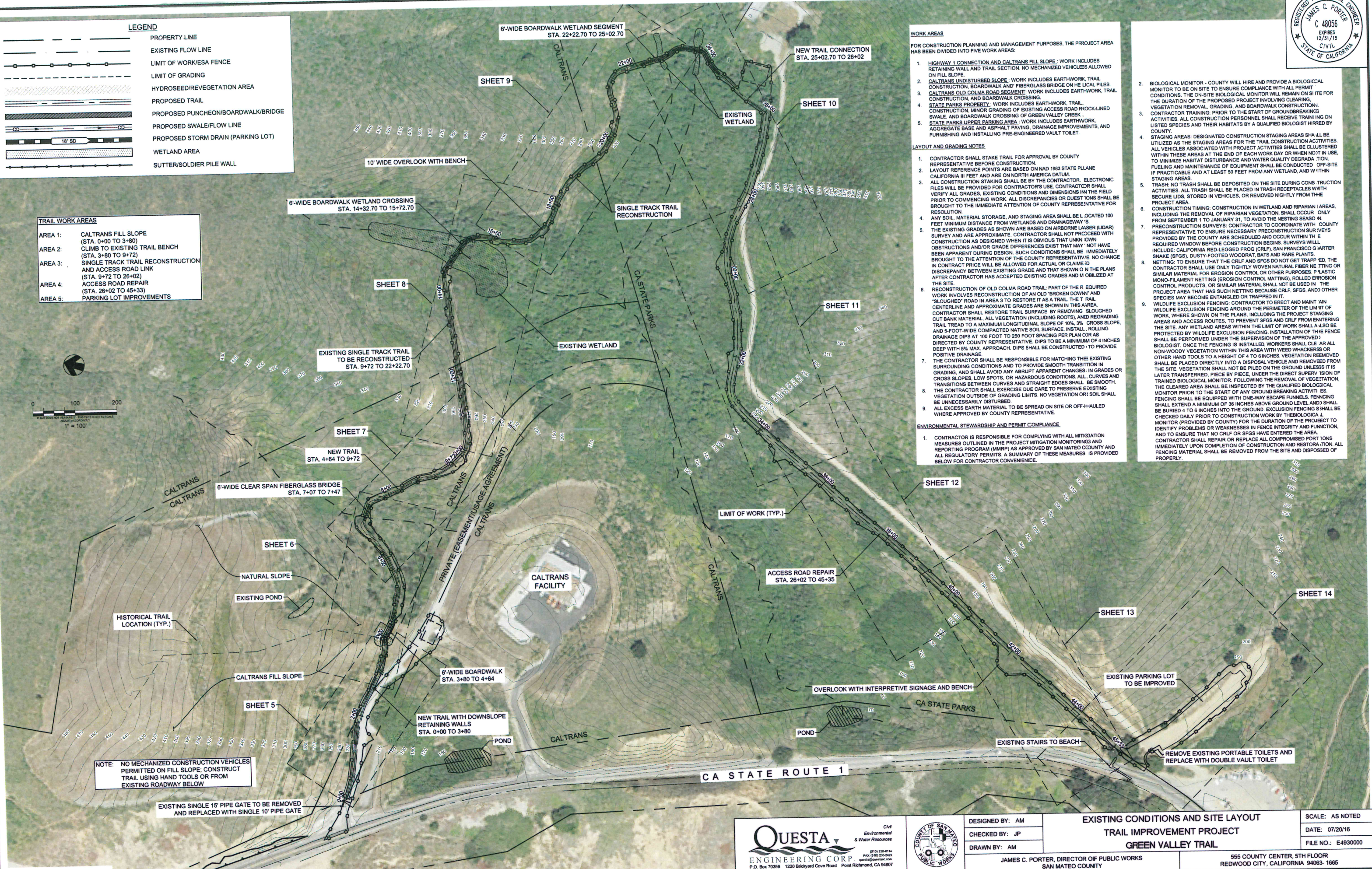
LAYOUT AND GRADING NOTES

- CONTRACTOR SHALL STAKE TRAIL FOR APPROVAL BY COUNTY REPRESENTATIVE BEFORE CONSTRUCTION.
- LAYOUT REFERENCE POINTS ARE BASED ON NAD 1983 STATE PLANE CALIFORNIA III FEET AND ARE ON NORTH AMERICA DATUM.
- ALL CONSTRUCTION STAKING SHALL BE BY THE CONTRACTOR. ELECTRONIC FILES WILL BE PROVIDED FOR CONTRACTOR'S USE. CONTRACTOR SHALL VERIFY ALL GRADES, EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. ALL DISCREPANCIES OR QUESTIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF COUNTY REPRESENTATIVE FOR RESOLUTION.
- ANY SOIL, MATERIAL STORAGE, AND STAGING AREA SHALL BE LOCATED 100 FEET MINIMUM DISTANCE FROM WETLANDS AND DRAINAGEWAYS.
- THE EXISTING GRADES AS SHOWN ARE BASED ON AIRBORNE LASER (LIDAR) SURVEY AND ARE APPROXIMATE. CONTRACTOR SHALL NOT PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN APPARENT DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE COUNTY REPRESENTATIVE. NO CHANGE IN CONTRACT PRICE WILL BE ALLOWED FOR ACTUAL OR CLAIMED DISCREPANCY BETWEEN EXISTING GRADE AND THAT SHOWN ON THE PLANS AFTER CONTRACTOR HAS ACCEPTED EXISTING GRADES AND MUTILATED AT THE SITE.
- RECONSTRUCTION OF OLD COLMA ROAD TRAIL: PART OF THE REQUIRED WORK INVOLVES RECONSTRUCTION OF AN OLD "BROKEN DOWN" AND "SLOUGHED" ROAD IN AREA 3 TO RESTORE IT AS A TRAIL. THE TRAIL CENTERLINE AND APPROXIMATE GRADES ARE SHOWN IN THIS AREA. CONTRACTOR SHALL RESTORE TRAIL SURFACE BY REMOVING SLOUGHED CUT BANK MATERIAL, ALL VEGETATION (INCLUDING ROOTS), AND REGRADING TRAIL TREAD TO A MAXIMUM LONGITUDINAL SLOPE OF 10%, 3% CROSS SLOPE, AND 5-FOOT-WIDE COMPACTED NATIVE SOIL SURFACE. INSTALL, ROLLING DRAINAGE DIPS AT 100 FOOT TO 250 FOOT SPACING PER PLAN OR AS DIRECTED BY COUNTY REPRESENTATIVE. DIPS TO BE A MINIMUM OF 4 INCHES DEEP WITH 5% MAX. APPROACH. DIPS SHALL BE CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MATCHING THE EXISTING SURROUNDING CONDITIONS AND TO PROVIDE SMOOTH TRANSITION IN GRADING, AND SHALL AVOID ANY ABRUPT APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS, OR HAZARDOUS CONDITIONS. ALL CURVES AND TRANSITIONS BETWEEN CURVES AND STRAIGHT EDGES SHALL BE SMOOTH.
- THE CONTRACTOR SHALL EXERCISE DUE CARE TO PRESERVE EXISTING VEGETATION OUTSIDE OF GRADING LIMITS. NO VEGETATION OR SOIL SHALL BE UNNECESSARILY DISTURBED.
- ALL EXCESS EARTH MATERIAL TO BE SPREAD ON SITE OR OFF-HAULED WHERE APPROVED BY COUNTY REPRESENTATIVE.

ENVIRONMENTAL STEWARDSHIP AND PERMIT COMPLIANCE

- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL MITIGATION MEASURES OUTLINED IN THE PROJECT MITIGATION MONITORING AND REPORTING PROGRAM (MIMRP) AS APPROVED BY SAN MATEO COUNTY AND ALL REGULATORY PERMITS. A SUMMARY OF THESE MEASURES IS PROVIDED BELOW FOR CONTRACTOR CONVENIENCE.

- BIOLOGICAL MONITOR - COUNTY WILL HIRE AND PROVIDE A BIOLOGICAL MONITOR TO BE ON SITE TO ENSURE COMPLIANCE WITH ALL PERMIT CONDITIONS. THE ON-SITE BIOLOGICAL MONITOR WILL REMAIN ON SITE FOR THE DURATION OF THE PROPOSED PROJECT INVOLVING CLEARING, VEGETATION REMOVAL, GRADING, AND BOARDWALK CONSTRUCTION.
- CONTRACTOR TRAINING: PRIOR TO THE START OF GROUND-BREAKING ACTIVITIES, ALL CONSTRUCTION PERSONNEL SHALL RECEIVE TRAINING ON LISTED SPECIES AND THEIR HABITATS BY A QUALIFIED BIOLOGIST HIRED BY COUNTY.
- STAGING AREAS: DESIGNATED CONSTRUCTION STAGING AREAS SHALL BE UTILIZED AS THE STAGING AREAS FOR THE TRAIL CONSTRUCTION ACTIVITIES. ALL VEHICLES ASSOCIATED WITH PROJECT ACTIVITIES SHALL BE CLUSTERED WITHIN THESE AREAS AT THE END OF EACH WORK DAY OR WHEN NOT IN USE, TO MINIMIZE HABITAT DISTURBANCE AND WATER QUALITY DEGRADATION. FUELING AND MAINTENANCE OF EQUIPMENT SHALL BE CONDUCTED OFF-SITE IF PRACTICABLE AND AT LEAST 50 FEET FROM ANY WETLAND, AND WITHIN STAGING AREAS.
- TRASH: NO TRASH SHALL BE DEPOSITED ON THE SITE DURING CONSTRUCTION ACTIVITIES. ALL TRASH SHALL BE PLACED IN TRASH RECEPTACLES WITH SECURE LIDS, STORED IN VEHICLES, OR REMOVED NIGHTLY FROM THE PROJECT AREA.
- CONSTRUCTION TIMING: CONSTRUCTION IN WETLAND AND RIPARIAN AREAS, INCLUDING THE REMOVAL OF RIPARIAN VEGETATION, SHALL OCCUR ONLY FROM SEPTEMBER 1 TO JANUARY 31, TO AVOID THE NESTING SEASON OF PRECONSTRUCTION SURVEYS: CONTRACTOR TO COORDINATE WITH COUNTY REPRESENTATIVE TO ENSURE NECESSARY PRECONSTRUCTION SURVEYS PROVIDED BY THE COUNTY ARE SCHEDULED AND OCCUR WITHIN THE REQUIRED WINDOW BEFORE CONSTRUCTION BEGINS. SURVEYS WILL INCLUDE CALIFORNIA RED-LEGGED FROG (CRLF), SAN FRANCISCO GARTER SNAKE (SFGS), DUSTY-FOOTED WOODRAT, BATS AND RARE PLANTS.
- NETTING: TO ENSURE THAT THE CRLF AND SFGS DO NOT GET TRAPPED, THE CONTRACTOR SHALL USE ONLY TIGHTLY WOVEN NATURAL FIBER NETTING OR SIMILAR MATERIAL FOR EROSION CONTROL OR OTHER PURPOSES. PLASTIC MONO-FILAMENT NETTING (EROSION CONTROL MATTING), ROLLED EROSION CONTROL PRODUCTS, OR SIMILAR MATERIAL SHALL NOT BE USED IN THE PROJECT AREA THAT HAS SUCH NETTING BECAUSE CRLF, SFGS, AND OTHER SPECIES MAY BECOME ENTANGLED OR TRAPPED IN IT.
- WILDLIFE EXCLUSION FENCING: CONTRACTOR TO ERECT AND MAINTAIN WILDLIFE EXCLUSION FENCING AROUND THE PERIMETER OF THE LIMIT OF WORK, WHERE SHOWN ON THE PLANS, INCLUDING THE PROJECT STAGING AREAS AND ACCESS ROUTES, TO PREVENT SFGS AND CRLF FROM ENTERING THE SITE. ANY WETLAND AREAS WITHIN THE LIMIT OF WORK SHALL ALSO BE PROTECTED BY WILDLIFE EXCLUSION FENCING. INSTALLATION OF THE FENCE SHALL BE PERFORMED UNDER THE SUPERVISION OF THE APPROVED BIOLOGIST. ONCE THE FENCING IS INSTALLED, WORKERS SHALL CLEAR ALL NON-WOODY VEGETATION WITHIN THIS AREA WITH WEED WHACKERS OR OTHER HAND TOOLS TO A HEIGHT OF 4 TO 6 INCHES. VEGETATION REMOVED SHALL BE PLACED DIRECTLY INTO A DISPOSAL VEHICLE AND REMOVED FROM THE SITE. VEGETATION SHALL NOT BE PILED ON THE GROUND UNLESS IT IS LATER TRANSFERRED, PIECE BY PIECE, UNDER THE DIRECT SUPERVISION OF THE TRAINED BIOLOGICAL MONITOR. FOLLOWING THE REMOVAL OF VEGETATION, THE CLEARED AREA SHALL BE INSPECTED BY THE QUALIFIED BIOLOGICAL MONITOR PRIOR TO THE START OF ANY GROUND-BREAKING ACTIVITIES. FENCING SHALL EXTEND A MINIMUM OF 36 INCHES ABOVE GROUND LEVEL AND SHALL BE BURIED 4 TO 6 INCHES INTO THE GROUND. EXCLUSION FENCING SHALL BE CHECKED DAILY PRIOR TO CONSTRUCTION WORK BY THE BIOLOGICAL MONITOR (PROVIDED BY COUNTY) FOR THE DURATION OF THE PROJECT TO IDENTIFY PROBLEMS OR WEAKNESSES IN FENCE INTEGRITY AND FUNCTION, AND TO ENSURE THAT NO CRLF OR SFGS HAVE ENTERED THE AREA. CONTRACTOR SHALL REPAIR OR REPLACE ALL COMPROMISED PORTIONS IMMEDIATELY UPON COMPLETION OF CONSTRUCTION AND RESTORATION. ALL FENCING MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.



NOTE: NO MECHANIZED CONSTRUCTION VEHICLES PERMITTED ON FILL SLOPE. CONSTRUCT TRAIL USING HAND TOOLS OR FROM EXISTING ROADWAY BELOW

EXISTING SINGLE 15" PIPE GATE TO BE REMOVED AND REPLACED WITH SINGLE 10" PIPE GATE

QUESTA
ENGINEERING CORP.
Civil Environmental & Water Resources
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P.O. Box 70356 1220 Brickyard Cove Road Point Richmond, CA 94807



DESIGNED BY: AM
CHECKED BY: JP
DRAWN BY: AM

EXISTING CONDITIONS AND SITE LAYOUT
TRAIL IMPROVEMENT PROJECT
GREEN VALLEY TRAIL

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
SAN MATEO COUNTY

555 COUNTY CENTER, 5TH FLOOR
REDWOOD CITY, CALIFORNIA 94063-1665

SCALE: AS NOTED
DATE: 07/20/16
FILE NO.: E4930000