VERTICAL CONTROL STATEMENT

CURVE / LINE TABLE

CROSSING 21

HORIZONTAL CONTROL STATEMENT

SURVEY CONTROL TABLE

CUT FILL SUMMARY

MAIN EMBANKMENT CUT FILL SUMMARY

CONSTRUCTION NOTES

1. Topography was derived from 2008 DWR Lidar Data provided by MBK, Vertical Datum is NAVD1988.
2. Embankment design concepts are based on the TRLIA Goldfields Flood Protection Feasibility Study by MBK Engineers dated July 2013.
3. The embankment crest elevation is 104 feet and was determined using 100-year water surface elevation at Problem Site B plus 3 feet of freeboard.
4. Site cleaning, Fill areas shall be cleared of all deleterious materials including existing rabid, debris, trees, shrubs, and associated roots.
5. Acceptable Fill: Onsite soil and rock material is suitable to be used as fill material provided it is processed to remove concentrations of organic material, debris, and particles greater than 18 inches in maximum dimension. Additionally, fill materials shall be primarily granular and composed of a mixture of sand, gravel, and cobbles and be free of significant concentrations of clay or silt.
6. Fill Compaction shall be placed in layers of 10 inches or less in gross thickness with a maximum particle size of 10 inches and compacted by at least one full pass of a large earthmover or vibratory compactor. Aggregate base relative compaction shall be in accordance with ASTM D6987, dated August 2014.
7. Fill placement should be observed by ENGELO to confirm materials and placement methods.
8. Cut and fill volumes are approximate and do not account for material shrink or swell.
9. Elderberry shrubs, which may provide habitat for the valley elderberry longhorn beetle, a species federally listed as threatened, are located near the project work areas. To avoid disturbance to the valley elderberry longhorn beetle, the contractor shall establish a minimum setback of at least 20 feet from the dripline of each shrub. The contractor shall erect signs every 50 feet along the edge of avoidance areas with the following information: "This area is species is protected by the Endangered Species Act of 1973, as amended. Violators are subject to prosecution, fines, and imprisonment." The signs shall be clearly readable from a distance of 20 feet and shall be maintained for the duration of construction activities.
10. Elderberry shrubs, which may provide habitat for the valley elderberry longhorn beetle, a species federally listed as threatened, are located near the project work areas. To avoid disturbance to the valley elderberry longhorn beetle, the contractor shall establish a minimum setback of at least 20 feet from the dripline of each shrub. The contractor shall erect signs every 50 feet along the edge of avoidance areas with the following information: "This area is habitat of the valley elderberry longhorn beetle, a threatened species, and must not be disturbed. This species is protected by the Endangered Species Act of 1973, as amended. Violators are subject to prosecution, fines, and imprisonment." The signs shall be clearly readable from a distance of 20 feet and shall be maintained for the duration of construction activities.
EXISTING TAILING MOUNDS

EMBANKMENT FILLCUT (BORROW MATERIAL)

SAN RAMON - SAN JOSE - SAN FRANCISCO - OAKLAND - ROCKLIN - RIPON
SANTA CLARITA - IRVINE - NEW ZEALAND

MATCHLINE STATION 45+00 (SEE SHEET G-6)
MATCHLINE STATION 29+00 (SEE SHEET G-4)

MAIN EMBANKMENT CONSTRUCTION STATIONING

LIMITS OF FILL (TYP.)

ELDERBERRY SHRUB LOCATION WITH 100' RADIUS (TYP.)

GRADING PLAN

SCALE: 1"=50' (H), 1"=50' (V)

CENTERLINE PROFILE

GRADING PLAN - MAIN EMBANKMENT YUBA GOLDFIELDS - 100 YEAR INTERIM PROJECT THREE RIVERS LEVEE IMPROVEMENT AUTHORITY YUBA COUNTY, CALIFORNIA
EXISTING TAILING MOUNDS
CUT (BORROW MATERIAL)
EMBANKMENT FILL

SAN RAMON - SAN JOSE - SAN FRANCISCO - OAKLAND - ROCKLIN - RIPON
SANTA CLARITA - IRVINE - NEW ZEALAND

MATCHLINE STATION 106+55 (SEE SHEET G-9)
MAIN EMBANKMENT CONSTRUCTION STATIONING
LIMITS OF FILL (TYP.)
35.0' (TYP.)

TOWER (EX)
ELDERBERRY SHRUB LOCATION WITH 100' RADIUS (TYP.)

GRADING PLAN
CENTERLINE PROFILE
UNITED STATES OF CALIFORNIA
COUNTY OF SANTA CLARA

LIMITS OF BORROW AREA
(Do not excavate to land below elevation 122)

EXISTING EMBANKMENT

MATCH EXISTING GROUND

NEW FILL EMBANKMENT

APPROX. EXISTING WATER SURFACE.

SCALE: 1" = 20' (H & V)

TYPICAL SECTION 21A - 21A'

SAN RAMON - SAN JOSE - SAN FRANCISCO - OAKLAND - ROCKLIN - RIPON

SANTA CLARITA - IRVINE - NEW ZEALAND

MATCH EXISTING GROUND

MATCH EXISTING GROUND

SAN RAMON - SAN JOSE - SAN FRANCISCO - OAKLAND - ROCKLIN - RIPON

SANTA CLARITA - IRVINE - NEW ZEALAND

MATCH EXISTING GROUND

SAN RAMON - SAN JOSE - SAN FRANCISCO - OAKLAND - ROCKLIN - RIPON

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SANTA CLARITA - IRVINE - NEW ZEALAND