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11:00

Riverside County LMS  
CONDITIONS OF APPROVAL

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SURFACE MINING PERMIT Case #: SMP00213

Parcel: 918-130-031

10. GENERAL CONDITIONS

EVERY DEPARTMENT

10. EVERY. 1

SMP - PROJECT DESCRIPTION

RECOMMND

The use hereby permitted is for surface mining and processing of a maximum of 270 million tons of aggregate at a rate not to exceed 5 million tons of aggregate per year for a maximum of 75 years. The processing of aggregate is to be conducted through the use of a single processing plant. In addition, the use includes 2 asphalt batch plants, one concrete batch plants (1 each) and one construction material (concrete and asphalt material) recycle plant and associated bins, water tanks, fuel tanks and office structures as described in Exhibit C, Project Summary.

10. EVERY. 2

SMP - HOLD HARMLESS

RECOMMND

The applicant/permittee or any successor-in-interest shall defend, indemnify, and hold harmless the County of Riverside or its agents, officers, and employees (COUNTY) from the following:

(a) any claim, action, or proceeding against the COUNTY to attack, set aside, void, or annul an approval of the COUNTY, its advisory agencies, appeal boards, or legislative body concerning the Surface Mining Permit, Change of Zone, and Noise Ordinance Exception and

(b) any claim, action or proceeding against the COUNTY to attack, set aside, void or annul any other decision made by the COUNTY concerning Surface Mining Permit, Chnage of Zone, and Noise Ordinance Exception, including, but not limited to, decisions made in response to California Public Records Act requests.

The COUNTY shall promptly notify the applicant/permittee of any such claim, action, or proceeding and shall cooperate fully in the defense. If the COUNTY fails to promptly notify the applicant/permittee of any such claim, action, or proceeding or fails to cooperate fully in the defense, the applicant/permittee shall not, thereafter, be responsible to defend, indemnify or hold harmless the COUNTY.

The obligations imposed by this condition include, but are not limited to, the following: the applicant/permittee shall pay all legal services expenses the COUNTY incurs in

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10. EVERY. 2 SMP - HOLD HARMLESS (cont.) RECOMMND

connection with any such claim, action or proceeding, whether it incurs such expenses directly, whether it is ordered by a court to pay such expenses, or whether it incurs such expenses by providing legal services through its Office of County Counsel.

10. EVERY. 3 SMP - DEFINITIONS RECOMMND

The words identified in the following list that appear in all capitals in the attached conditions of Surface Mining Permit No.213, shall be henceforth defined as follows:

APPROVED EXHIBIT NO. "A" = Mining Plan Approved Exhibit No. "A", SMP Case No. 213, Amended No. 1, Dated 8/10/2007.

APPROVED EXHIBIT NO. "B" = Reclamation Plan Approved Exhibit No. "B", SMP Case No. 213, Amended No. 1, Dated 8/10/2007.

APPROVED EXHIBIT NO. "C" = Project Description Approved Exhibit No. "C", SMP Case No. 213, Amended No. 1, Dated 8/10/2007.

BS GRADE DEPARTMENT

10.BS GRADE. 1 SMP-APPROVED CONDITIONS RECOMMND

ALL PRIOR BUILDING & SAFETY DEPARTMENT CONDITIONS APPROVED UNDER SURFACE MINING PERMIT RECLAMATION PLAN) SMP00213 (INCLUDING OTHER REVISIONS AND SUBSTANTIAL CONFORMANCES) SHALL REMAIN IN EFFECT DURING THE LIFE OF THIS SMP00213 (REVISED PERMIT/SUBSTANTIAL CONFORMANCE) SMP00213 UNLESS SPECIFICALLY REMOVED OR REPLACED BY ANOTHER CONDITION.

10.BS GRADE. 2 SMP-ANNUAL REPORT INFO RECOMMND

The operator shall submit to the Building & Safety Department with the annual report the following information (This report shall be prepared by a qualified, licensed professional).

1) New topography maps detailing disturbed land and proximity to permit boundaries and property lines.

2) Certify maximum depth of excavated areas.

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10.BS GRADE. 2

SMP-ANNUAL REPORT INFO (cont.)

RECOMMND

3) Provide quantity in cubic yards and tons of minerals mined during the reporting period.

4) Certify all excavated areas are within the limits of the Surface Mining Permit/Reclamation Plan.

5) Provide data indicating any reclaimed land during the reporting period.

6) A certified engineering geologist or geotechnical engineer shall inspect all excavated slopes within the permitted boundaries (active and inactive) for slope stability. The operator shall provide to B&S a copy of the inspection report.

NOTE: At least every three years of operation, the operator shall provide to B&S, aerial topography showing incremental and total changes to excavations. This will include cross-sectional maps showing berms, slope angles and benches of all excavations.

10.BS GRADE. 3

SMP-ANNUAL F.A.C.E.

RECOMMND

Each year after the 1st year of land disturbed under this urface Mining Permit, Reclamation Plan or Substantial Conformance, the operator shall REVIEW & UPDATE the financial assurance on file with the County of Riverside. The operator shall submit a new cost estimate to the Building & Safety Department for review. The updated cost estimate shall include at least any new disturbed land, reclaimed land and allow for a yearly inflation factor.

All cost estimate shall utilize the guidelines outlined by the California Department of Conservation and the requirements of SMARA as outlined in the California Resources Code section 2773.1(a)(3), 2774(c), 3804, 3805 and 3805.5 and County of Riverside Ordinance 555 or as amended in the future.

10.BS GRADE. 4

SMP-TEMPORARY OFFICE

RECOMMND

Temporary/portable office trailers are permitted providing they are installed after a building permit is obtained.

Other structures for night watchman security must be

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10. GENERAL CONDITIONS

10.BS GRADE. 4 SMP-TEMPORARY OFFICE (cont.) RECOMMND

installed or constructed by building permit.

10.BS GRADE. 6 SMP-IMPORTING VEGETATION RECOMMND

There shall be no importing and/or storage of any cut vegetation without specific approval of the Planning Department and the Environmental Health Department.

10.BS GRADE. 7 SMP-PRIVATE RD GRDG PERMIT RECOMMND

Construction of a private road requires a grading permit. All private roads which are conditioned to be paved shall conform to Ordinance 457 base and paving and inspection requirements.

10.BS GRADE. 8 SMP-BUILDING/GRADING PERMIT RECOMMND

THE PROVISIONS OF ALL RIVERSIDE COUNTY ORDINANCES SHALL APPLY DURING THE LIFE OF THIS SURFACE MINING PERMIT/ RECLAMATION PLAN, SPECIFICALLY, ORDINANCE 457 SHALL APPLY FOR ALL BUILDING PERMITS AND OTHER CONSTRUCTION WITHIN THE SURFACE MINING BOUNDARIES AND PROPERTY LINES OF SAID PARCELS. UNLESS SPECIFICALLY REGULATED BY ANOTHER APPROVED CONDITION OF THIS CASE.

10.BS GRADE. 9 SMP-PROPERTY LINE SETBACKS RECOMMND

There shall be a graded setback from all property lines of not less than 50 feet from all cut/fill slopes.

Within the setback area, the four foot verticle height safety berm can be installed.

In all other areas within the boundaries of the Reclamation Plan/Surface Mining Permit where mining will not take place, the provisions of Riverside County Grading Ordinance 457 shall be followed.

10.BS GRADE. 10 SMP-FENCING OF PERIMETER RECOMMND

The perimeter of the surface mine shall be fenced with at least 6 foot chain link fencing or other fencing that has been approved by another specific condition of this case and have a secure entrance gate system.

Fencing, gates and perimeter signs are required for safety

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10. GENERAL CONDITIONS

10.BS GRADE. 10 SMP-FENCING OF PERIMETER (cont.) RECOMMND

and to prevent/limit unauthorized access to the site.

10.BS GRADE. 11 SMP-OFFSITE EXCAVATION RECOMMND

ANY OFF SITE (outside of the Surface Mine Permit/Reclamation Plan/Substantial Conformance) EXCAVATIONS OR GRADING requires a grading permit. It shall be the responsibility of the operator to obtain proposed or required easements and/or permissions necessary to perform the excavations/grading proposed.

10.BS GRADE. 12 SMP-MISCELLANOUS INSPECT RECOMMND

In addition to the Special Inspection for the Annual Report, at any time during normal business hours, persons from the Building & Safety Department may conduct a site inspection for compliance with the conditions of approval, complaints by individuals or other reasons as identified at that time.

10.BS GRADE. 13 SMP- FAULT LOCATIONS RECOMMND

Prior to issuance of any building permit, the operator shall have a licensed professional, clearly delineate on maps and in the field any portions of the property, which are located within the "Fault Hazard Zone". No structures or any part thereof shall be located in thoes areas.

10.BS GRADE. 14 SMP-OBEY ALL GRDG REGS RECOMMND

All grading shall conform to the California Building Code, Ordinance 457, and all other relevant laws, rules, and regulations governing grading in Riverside County and prior to commencing any grading which includes 50 or more cubic yards, the applicant shall obtain a grading permit from the Building and Safety Department.

10.BS GRADE. 15 SMP- DISTURBS NEED G/PMT RECOMMND

Ordinance 457 requires a grading permit prior to clearing, grubbing or any top soil disturbances related to construction grading.

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10. GENERAL CONDITIONS

10.BS GRADE. 16

SMP-NPDES/SWPPP

RECOMMND

Prior to issuance of any grading or construction permits - whichever comes first - the applicant shall provide the Building and Safety Department evidence of compliance with the following: "Effective March 10, 2003 owner operators of grading or construction projects are required to comply with the N.P.D.E.S. (National Pollutant Discharge Elimination System) requirement to obtain a construction permit from the State Water Resource Control Board (SWRCB). The permit requirement applies to grading and construction sites of "ONE" acre or larger. The owner operator can comply by submitting a "Notice of Intent" (NOI), develop and implement a STORM WATER POLLUTION PREVENTION PLAN (SWPPP) and a monitoring program and reporting plan for the construction site. For additional information and to obtain a copy of the NPDES State Construction Permit contact the SWRCB at (916) 657-1146.

10.BS GRADE. 17

SMP-GEOTECH/SOILS RPTS

RECOMMND

Prior to the issuance of a building permit, a Geotechnical soils report shall be submitted to the Building & Safety Department for review and approval. All grading for structures shall be in conformance with the recommendations of the geotechnical soils reports as approved by Riverside County.

The geotechnical/soils, compaction and inspection reports will be reviewed in accordance with the RIVERSIDE COUNTY GEOTECHNICAL GUIDELINES FOR REVIEW OF GEOTECHNICAL AND GEOLOGIC REPORTS.

10.BS GRADE. 18

SMP-MAX SLOPE RATIO

RECOMMND

Slopes shall not be finished at a slope ratio steeper than 2:1 ( horizontal: vertical) unless they are adequately determined and demonstrated to be stable by the project certified engineering geologist and geotechnical engineer.

Slope stability shall be documented in a report(s) to be submitted to the Department of Building and Safety as well as the County Geologist for review and approval prior to final approval of finished slopes. This report(s) shall be submitted annually, at a minimum, in conjunction with the required annual SMARA inspection ( may submit reports outside of annual inspection schedule as necessary to maintain safe conditions and forward progress of finishing

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10.BS GRADE. 18 SMP-MAX SLOPE RATIO (cont.) RECOMMND  
slopes for reclamation purposes).

10.BS GRADE. 19 SMP-DRAINAGE DESIGN Q-100 RECOMMND  
All drainage acilities shall be designed in accordance with Riverside County Flood Control & Water Conservation District's requirements to accommodate 100 year storm flows.

10.BS GRADE. 20 SMP-MINIMUM DRAINAGE GRADE RECOMMND  
Minimum drainage grade shall be 1% except on portland cement concrete where 0.35% shall be the minimum.

10.BS GRADE. 21 SMP-DRAINAGE & TERRACING RECOMMND  
Provide drainage facilities and terracing in conformance with the California Building Code's chapter on "Excavation and Grading".

10.BS GRADE. 22 SMP-SLOPES IN FLOODWAY RECOMMND  
Graded slopes which infringe into the 100 year storm flow flood way boundaries, shall be protected from erosion, or other flood hazards, by a method acceptable to the Building & Safety Department's District Grading Engineer - which may include Riverside County Flood Control & Water Conservation District's review and approval. However, no graded slope will be allowed which in the professional judgment of the District Grading Engineer blocks, concentrates or diverts drainage flows.

10.BS GRADE. 23 SMP-EASEMENTS & ACCESS RECOMMND  
Prior to the issuance of the surface mining permit, it shall be the responsibility of the applicant to obtain any proposed or required easements and/or permissions necessary for access to the site for excavating and/or grading.

10.BS GRADE. 24 SMP-NOTARIZED OFFSITE LTR RECOMMND  
A notarized letter of permission, from the affected property owners or easement holders, is required for any proposed off site grading.

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10.BS GRADE. 25 SMP-RECORDED ESMT REQ'D RECOMMND

A recorded easement is required for off site drainage facilities.

10.BS GRADE. 26 SMP-OFF ST. PAVED PARKING RECOMMND

All off street parking areas which are conditioned or proposed to be paved shall conform to Ordinance 457 base and paving design and inspection requirements.

10.BS GRADE. 27 SMP-NO B/PMT W/O G/PMT RECOMMND

Prior to issuance of any building permit, the property owner shall obtain a grading permit and/or approval to construct from the Grading Division of the Building and Safety Department.

10.BS GRADE. 28 SMP- PM-10 REDUCTION RECOMMND

SURFACE MINING OPERATIONS LOCATED WITHIN THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT SHALL COMPLY WITH RULE 1157 "PM-10 EMISSION REDUCTION FROM AGGREGATE AND RELATED OPERATIONS". THE OPERATOR SHALL HAVE A COPY OF ALL INSPECTIONS CONDUCTED BY THE DISTRICT AVAILABLE FOR THE CURRENT ANNUAL SURFACE MINE INSPECTION.

10.BS GRADE. 29 SMP- CONTRACTOR EQUIPMENT RECOMMND

All non-mining equipment must be stored in a designated area permitted for "Contractor Storage".

A "Contractor Storage" permit must be obtained from the Planning Department prior to storage of any non-mining equipment.

10.BS GRADE. 30 SMP-TRASH & DEBRIS RECOMMND

The parcel(s) where the mine is located shall be kept free of trash (including old tires) and other debris. There shall be no importing of recyclable materials or construction debris without specific permit for that activity.

10.BS GRADE. 31 SMP- QUARRY SIGNS RECOMMND

Signs shall be installed at the top of all manufactured slopes (cut or fill), at intervals not greater than 100

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10. GENERAL CONDITIONS

10.BS GRADE. 31 SMP- QUARRY SIGNS (cont.) RECOMMND

lineal feet.

Each sign shall read "DANGER" "OPEN PIT MINE" "STEEP SLOPE". Signs shall be at least 18" X 18" square with contrasting background to lettering. (ie: white background and black lettering).

Perimeter signs around the approved Reclamation Plan or Surface Mine boundaries shall be installed not greater than 250 lineal feet. Each sign shall read "DANGER" "KEEP OUT" and "MINERAL RESOURCE ZONE" or "SURFACE MINING OPERATION". All signs shall be with constrasting lettering/background.

10.BS GRADE. 32 SMP- BENCHES & SLOPES RECOMMND

During the mining operation, on the working faces of the quarry wall, benches shall be installed at no more than 30 feet in vertical height intervals or not higher than the equipment being used can reach to extract material. Each bench shall be a minimum of 15' in width.

Working slopes below benches shall not be steeper than 1:1 (horizontal to vertical). Finished slopes may not exceed 2:1 or as identified in another approved condition or approved exhibit to this case.

10.BS GRADE. 33 SMP- SAFETY BERMS RECOMMND

A four (4) foot, minimum vertical height, SAFETY BERM shall be installed at the top of all cut/fill slopes (including roads) at least three (3) feet in width.

10.BS GRADE. 34 SMP-HAZMAT GENERATOR PERMIT RECOMMND

Surface mining operations shall obtain from County Of Riverside, Department of Environmental Health, Hazardous Materials Management Division, a "HAZARDOUS MATERIALS GENERATOR'S PERMIT" for this specific location. The operator shall have a copy of all inspections conducted by HAZMAT, available for the current Annual Surface Mine inspection

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10.BS GRADE. 35 SMP- VEHICLE STORAGE RECOMMND

There shall be no storage of passenger vehicles, campers, travel trailers or other personal property that is not related directly to the mining of minerals at this site.

10.BS GRADE. 36 SMP- BUSINESS LICENSING RECOMMND

Every person conducting a business within the unincorporated area of Riverside County, as defined in Riverside County Ordinance No. 857, shall obtain a business license. For more information regarding business registration, contact the Business Registration and License Program Office of the Building and Safety Department at [www.rctlma.orgbuslic](http://www.rctlma.orgbuslic).

10.BS GRADE. 37 SMP- BMP REGISTRATION RECOMMND

Prior to final building inspection, the applicant/owner shall register the project - specific WQMP treatment controlled BMPs with the Department of Building Safety Business Registration Division. Any person or entity that owns or operates a commercial and/or industrial facility shall register such facility for annual inspections.

10.BS GRADE. 38 SMP- PRE MINING MEETING RECOMMND

Prior to the startup of mining operations, the applicant is required to schedule a pre-mining meeting with the Building and Safety Department Environmental Compliance Division mine inspector, County Geologist, Project Planner, County Archeologist and County Biologist.

10.BS GRADE. 39 SMP- APPROVED WQMP RECOMMND

Prior to the issuance of a grading permit, the owner/applicant shall submit to the Building & Safety Department evidence that the project-specific Water Quality Management Plan (WQMP) has been approved by the Riverside County Flood Control District and that all approved water quality treatment control BMP'S have been included on the mining plan.

10.BS GRADE. 40 SMP-BLASTING REPORT FORM RECOMMND

Prior to issuance of permit for this mine's first special inspection, the operator shall prepare, submit and have approved an appropriate blasting report form. This form

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10. GENERAL CONDITIONS

10.BS GRADE. 40 SMP-BLASTING REPORT FORM (cont.)

RECOMMND

shall contain the necessary information to document the blasting operations undertaken for mining as well as the initial construction blasting for roads, etc.

This report form shall be submitted to the County Geologist and the County mine inspector for review and approval of the format and content prior to issuance of the first special inspection permit.

Completed blasting reports, during active mining operations, shall be submitted to the County's inspector on a quarterly basis (more frequently if necessary, upon request by the County) for review and consideration.

10.BS GRADE. 41 SMP- 1ST FINANCIAL ASSURANCE

RECOMMND

Prior to commencement of any surface disturbance, construction of any processing plant, surface mining operation, or issuance of the first Special Inspection Permit, the permittee shall establish Financial Assurances to ensure reclamation of the Surface Mining Operation with the Riverside County Department of Building and Safety.

a. The financial assurance shall take the form of a surety bond, irrevocable letter of credit, trust fund or other form of financial assurance as approved by the Director of Building and Safety.

b. The amount of the financial assurance required for this permit shall be established through County review of the required financial assurance cost estimate prepared by the applicant pursuant to the requirements of SMARA and County Ordinance 555.

c. The financial assurance shall remain in effect for the life of the mine including Reclamation and the monitoring timetable. A final inspection by Building and Safety will advise the Director of Building and Safety to release the bond.

d. The financial assurance shall be made payable to Riverside County and the State of California, Department of Conservation.

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10. GENERAL CONDITIONS

10.BS GRADE. 42

SMP-1ST INSPECTION REPORT

RECOMMND

Prior to commencement of any surface disturbance, or construction of any processing plant, surface mining operation the permittee shall apply for a special inspection permit from the Riverside County Department of Building and Safety which will be accompanied by the appropriate filing fee set forth in Riverside County Ordinance 671. The Special Inspection Permit shall be accompanied by a written report which specifies conformance with these conditions of approval.

EPD DEPARTMENT

10.EPD. 1

- NOISE MITIGATION MEASURE

RECOMMND

Mitigation Measure BIO-1c(5) from EIR475

The following mitigation measures shall be implemented to reduce potential noise effects on the adjacent SMER property.

- The Applicant shall prohibit mining activities, aggregate plant, and recycling plant operations between the Riverside County-defined noise nighttime hours of 10 p.m. and 7 a.m.

- The Applicant shall enclose the concrete truck filling operations associated with the concrete plant by placing those operations in a tunnel-like structure so that the sides of the truck and its engine are shielded by the walls of the tunnel.

- The Applicant shall not simultaneously operate the asphalt plant and concrete batch plant between the Riverside County-defined noise nighttime hours of 10 p.m. and 7 a.m.

- The Applicant shall require that audio back-up alarms on mobile equipment be turned off at night and equipped with a flashing strobe if consistent with Mining Safety and Health Administration regulations.

- Upon receipt and validation of any noise complaints pertaining to the operation of the facility, Applicant shall conduct further acoustical analysis, which shall be conducted by a qualified acoustical consultant with experience in evaluating community noise levels and standards. The acoustical analysis shall address complaints

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10. GENERAL CONDITIONS

10.EPD. 1 - NOISE MITIGATION MEASURE (cont.)

RECOMMND

by nearby noise sensitive receivers. The acoustical analysis shall be submitted to the Riverside County Departments of Planning and Environmental Health for review and approval. Additional mitigation measures identified in any subsequent acoustical analysis shall be implemented after receipt and acceptance of the acoustical analysis to ensure conformance with Riverside County standards. The Applicant shall complete an acoustical review application and reimburse the Department of Public Health for their time and expenses incurred reviewing the acoustical analysis. The applicable Riverside County standards is 45 dBA - 10-minute noise equivalent level ("Leq"), between the hours of 10:00 p.m. to 7:00 a.m. (nighttime standard) and 65 dBA - 10-minute Leq, between 7:00 a.m. and 10:00 p. m. (daytime standard).

- During all construction, excavation, hauling activities, and while processing aggregate materials, the Applicant, it's contractors and operators shall equip all fixed and mobile equipment with properly operating and maintained mufflers, engine enclosures, or other noise-suppression devices consistent with manufacturers' standard including lined crushers and screens, and minimum 5-foot-long silencers on the asphalt plant exhaust fans.

10.EPD. 2 - NO DRAINAGE DISCHARGE

RECOMMND

Mitigation Measure BIO-2a from EIR475

Drainage water shall not be discharge to adjacent jurisdictional waters, the SMER or Western Riverside County MSHCP criteria areas. Drainage water shall be collected on the Site within a detention basin located at the southern aspect of the Quarry Area. Drainage water shall not be allowed to enter into the watershed of the drainage feature located at the western portion of the 414-acre Site, itself a tributary to a tributary of the Santa Margarita River.

10.EPD. 3 - H2O POLLUTION & EROSION

RECOMMND

Mitigation Measure BIO-2c from EIR475

The Applicant shall prepare plans for water pollution and erosion control for all discretionary projects involving the movement of earth in excess of 50 cubic yards within Riverside County. The plans would describe sediment and

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10.EPD. 3

- H2O POLLUTION & EROSION (cont.)

RECOMMND

hazardous materials control, dewatering or diversion structures, fueling and equipment management practices, and use of plant material for erosion control. Plans would be reviewed and approved by Riverside County Planning Department, Environmental Programs Division and participating jurisdiction prior to construction. To mitigate any potentially significant indirect impacts to riparian resources located downstream of the Site to a less than significant level, the following measures would be implemented by the Applicant during the construction, operation, and reclamation phases:

1. Comply with any and all conditions of permits by the USACE or RWQCB under Sections 404 or 401 of the federal CWA, by CDFG under Section 1602 of the Fish and Game Code, or by Riverside County pursuant to the Western Riverside County MSHCP. Permit conditions generally include both short-term (during construction) and long term (operation) requirements.

2. Implement all applicable regulations associated with the SWPPP, landscape plan, and any water pollution or erosion control plans prepared for the Proposed Project to satisfy NPDES permit requirements.

3. The Proposed Project is subject to reclamation standards of the Surface Mining and Reclamation Act of 1975 (SMARA), and the Applicant proposes to revegetate the Site at the close of mining. Effective revegetation and maintenance would minimize the effects of invasive plants. Under SMARA, the Applicant would be required to reclaim the quarry and any other areas disturbed during its construction and operation (e.g., overburden areas, processing and stockpiling areas, roads, and equipment yards) at the close of mining. The Applicant would reclaim the Site to open space (Granite, 2007). The reclamation plan would include the following:

"A revegetation plan with quantitative success criteria (vegetation cover and species richness)

"Recommendations for soil preparation

"A plant palette to include exclusively native species occurring on the Site, such as Engelmann oak, coast live oak, and Rainbow manzanita, both those to be planted as seeds and nursery stock

"Planting methods, including densities and locations

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10.EPD. 3 - H2O POLLUTION & EROSION (cont.) (cont.) RECOMMND

(pounds per acre of seed  
"Irrigation and maintenance requirements  
"A monitoring plan over a minimum 5-year period  
"Weed control and remedial actions to be required if  
success criteria are not met

10.EPD. 4 - SKR FEE RECOMMND

Mitigation Measure BIO-6 from EIR475

The Proposed Project is located within the SKR Fee Assessment Area. The applicant shall be required to pay the assessed SKR Fee. Payment of this fee would ensure conformance with the SKR HCP.

FLOOD RI DEPARTMENT

10.FLOOD RI. 1 USE FLOOD HAZARD REPORT RECOMMND

This is a proposal to establish a surface mining operation in the Rainbow Canyon area. The 414 acre site is located west of the 15 Freeway and north of the San Diego County line in the Rancho California area. It should be noted that while the majority of this site is located within Riverside County, approximately 2.5 acres are located within San Diego County. This project is being reviewed in conjunction with Environmental Impact Report No. 475.

The topography of the site consists of steep terrain with well defined ridges and natural watercourses. A moderately sized watercourse traverses the western portion of the site. The mining operation proposes to excavate a large pit along a ridge, the rim of which would be setback from this watercourse. This pit would capture onsite runoff from the proposed developed portion of the site with no release of runoff offsite. Section 7.0 of Exhibit C of the report titled "Project Description for Liberty Quarry" states that runoff would then either recharge into the ground or evaporate.

In compliance with San Diego Regional Water Quality Control Board Orders, projects submitted within the Santa Margarita River watershed of the unincorporated area of Riverside County for discretionary approval are required to comply with the Water Quality Management Plan for Urban Runoff (WQMP). However, the extents of the mining operation

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10. GENERAL CONDITIONS

10.FLOOD RI. 1 USE FLOOD HAZARD REPORT (cont.)

RECOMMND

itself would constitute continuing construction and, as such, would best be handled under a Storm Water Pollution Prevention Plan (SWPPP). For the remainder of the site, the applicant has submitted a preliminary project specific Water Quality Management Plan (WQMP) to mitigate the development's impact to water quality. Treatment Control Best Management Practices (BMPs) include catch basin inlet filters to remove trash and sediment as well as oil and grease from the runoff prior to its being discharged into a detention basin/sand filter. The WQMP will need significant revisions to meet the requirements of a final project specific WQMP.

10.FLOOD RI. 2 USE SUBMIT FINAL WQMP>PRELIM

RECOMMND

In compliance with Santa Ana Region and San Diego Region Regional Water Quality Control Board Orders, and Beginning January 1, 2005, projects submitted within the western region of the unincorporated area of Riverside County for discretionary approval will be required to comply with the Water Quality Management Plan for Urban Runoff (WQMP). The WQMP addresses post-development water quality impacts from new development and redevelopment projects. The WQMP requirements will vary depending on the project's geographic location (Santa Ana, Santa Margarita or Whitewater River watersheds). The WQMP provides detailed guidelines and templates to assist the developer in completing the necessary studies. These documents are available on-line at:  
[www.floodcontrol.co.riverside.ca.us](http://www.floodcontrol.co.riverside.ca.us) under Programs and Services, Stormwater Quality.

To comply with the WQMP a developer must submit a "Project Specific" WQMP. This report is intended to a) identify potential post-project pollutants and hydrologic impacts associated with the development; b) identify proposed mitigation measures (BMPs) for identified impacts including site design, source control and treatment control post-development BMPs; and c) identify sustainable funding and maintenance mechanisms for the aforementioned BMPs. A template for this report is indicated as 'exhibit A' on the website above. A final Project Specific WQMP must be approved by the District prior to issuance of building or grading permits.

Projects that require a Project Specific WQMPs were

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10. GENERAL CONDITIONS

10.FLOOD RI. 2                   USE SUBMIT FINAL WQMP>PRELIM (cont.)                   RECOMMND

required to submit a PRELIMINARY Project Specific WQMP along with the land-use application package in the tentative phase of development in order to obtain recommended conditions of approval. The developer has submitted a report that minimally meets the criteria for a preliminary project specific WQMP of addressing points a, b, and c above. It shall be noted that while the preliminary project specific WQMP was adequate at that stage, the preliminary WQMP report will need significant revisions at the improvement plan check phase of the development in order to meet the requirements of a final project specific WQMP - including detailed drawings for the BMPs along with all supporting calculations. It should also be noted that if 401 certification is necessary for the project, the Water Quality Control Board may require additional water quality measures.

10.FLOOD RI. 3                   USE BMP MAINTENANCE & INSPECT                   RECOMMND

The BMP maintenance plan shall contain provisions for all treatment controlled BMPs to be inspected, and if required, cleaned no later than October 15 each year. Required documentation shall identify the entity that will inspect and maintain all structural BMPs within the project boundaries. A copy of all necessary documentation shall be submitted to the District for review and approval prior to the issuance of occupancy permits.

10.FLOOD RI. 4                   USE WQMP ESTABL MAINT ENTITY                   RECOMMND

This project proposes BMP facilities that will require maintenance by public agency or commercial property owner association. To ensure that the public is not unduly burdened with future costs, prior to final approval or recordation of this case, the District will require an acceptable financial mechanism be implemented to provide for maintenance of treatment control BMPs in perpetuity. This may consist of a mechanism to assess individual benefiting property owners, or other means approved by the District. The site's treatment control BMPs must be shown on the project's improvement plans - either the street plans, grading plans, or landscaping plans. The type of improvement plans that will show the BMPs will depend on the selected maintenance entity.

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10. GENERAL CONDITIONS

PLANNING DEPARTMENT

10.PLANNING. 1 SMP - GEO01902

RECOMMND

County Geologic Report (GEO) No. 1902, submitted for this project (SMP00213), was prepared by Keinfelder and is entitled: "Geotechnical Report, Proposed Liberty Quarry, Riverside County, California", dated August 10, 2007. In addition, the following reports were prepared by Keinfelder for this project:

"Geologic and Hydrologic Evaluation, Proposed Liberty Quarry, Riverside County, California", dated August 10, 2007.

"Response to County of Riverside Review Comments, County Geologic Report No. 1902, Geotechnical Report, Proposed Liberty Quarry, Riverside County, California", dated May 2, 2008.

These reports are herein incorporated as a part of GEO No. 1902.

GEO No. 1902 concluded:

1. There are no known active faults present within the site or projecting towards the site.
2. There is a very low potential for surface fault rupture at the site.
3. There is no potential for liquefaction of soils at the site.
4. The deterministic and probabilistic factors of safety for the proposed mine walls are 1.9. The final slopes will demonstrate an average factor of safety greater than 1.5 and are expected to maintain stability.
5. The final quarry high wall design will be stable and safe and the factor of safety will be suitable and appropriate for an end use as open space.
6. The borings and rock analysis are sufficient in quantity, placement, and depth to establish the viability of the site for mining purposes and for initial site stability analysis.

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10. GENERAL CONDITIONS

10. PLANNING. 1 SMP - GEO01902 (cont.)

RECOMMND

7. The data analyzed is sufficient for performing initial slope stability analysis.

8. Groundwater occurred only in discrete, limited water-bearing zones, and yielded very low amounts of water to test wells and boreholes.

9. Stormwater runoff from the proposed quarry site will decrease as the quarry is constructed because drainage area will be removed as the quarry is mined below existing grades.

10. Groundwater occurs in relatively limited quantities within localized joints and fractures in otherwise impermeable rock beneath and in the immediate vicinity of the proposed quarry. There is limited hydraulic connection between fractures.

11. No distinct groundwater surface, aquifer, or gradient occurs beneath the project site.

12. The proposed quarry site appears to be topographically, structurally, and hydraulically isolated from near-by off-site intermontane valleys and topographic lowlands.

13. Operations at the quarry are not anticipated to adversely affect local or regional groundwater supplies for residents in the surrounding area, or Temecula or Rainbow Valleys.

14. As mining operations advance into underlying bedrock, surface seeps adjacent to quarry operations are expected to decline or potentially cease ephemeral flow.

15. Blasting effects are expected to be extremely limited to the immediate vicinity of the blasting.

GEO No. 1902 recommended:

1. Mining is to be conducted in a top down manner.

2. During the course of site development, additional drilling, sampling and testing along with surface geologic mapping. Additional evaluations will be performed during the mining process to continuously evaluate rock stability.

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10. GENERAL CONDITIONS

10.PLANNING. 1 SMP - GEO01902 (cont.) (cont.)

RECOMMND

3.The working face will be equal to one-half the bench height and range between 20 to 40 feet depending on the local geological conditions, with a flat working bench (at least 30 feet wide) located below the working bench. (Regular inspections of mine slopes will be made and reported to the County as described elsewhere in this conditions set.)

4.A Certified Engineering Geologist (CEG) or Geotechnical Engineer (GE) will map the exposed rock face on a weekly basis. Inspection and mapping of the mining face may be more frequent, as needed, depending on the field conditions.

5.No finished slope steeper than 2:1 shall be established except in compliance with the recommendation of the CEG or GE (project consultant-of-record).

6.In the case that the final bench configuration is deemed not stable by the CEG or GE, wire mesh, benching and/or rock anchors or other measures (potentially reducing overall slope ratio) recommended by the CEG or GE may be implemented so that the originally-planned 60-degree overall quarry high wall may be maintained.

7.The quarry operator will plan for and mitigate the blast damage to the final walls by implementing a proper production blast design and employing controlled blasting techniques. (Blast design and techniques are proposed in the Liberty Quarry Blast Plan and can/will be modified as necessary to maintain safe operations).

8.Precipitation within the quarry excavation boundary will need to be collected and conveyed to designated storage areas within the footprint.

9.Mitigation of potential surface water impacts related to construction and on-going mining operations can be addressed through SWPPP's implementing BMP's tailored to site-specific conditions and activities.

GEO No. 1902 satisfies the requirement for a Geologic Study for Planning /CEQA purposes. GEO No. 1902 is hereby accepted for Planning purposes. This approval is not intended, and should not be misconstrued as approval for grading or any other permit. Engineering and other

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10. GENERAL CONDITIONS

10.PLANNING. 1 SMP - GEO01902 (cont.) (cont.) (cont.) RECOMMND

building code parameters will be reviewed and additional comments and/or conditions may be imposed by the Building and Safety Department upon application for grading and/or building permits and/or other permit as necessary.

10.PLANNING. 2 SMP - SLOPE RATIO RECOMMND

SLOPES SHALL NOT BE FINISHED AT A SLOPE RATIO STEEPER THAN 2:1 (HORIZONTAL:VERTICAL) UNLESS THEY ARE ADEQUATELY DETERMINED AND DEMONSTRATED TO BE STABLE BY THE PROJECT CERTIFIED ENGINEERING GEOLOGIST AND GEOTECHNICAL ENGINEER.

SLOPE STABILITY SHALL BE DOCUMENTED IN A REPORT(S) TO BE SUBMITTED TO THE DEPARTMENT OF BUILDING AND SAFETY AS WELL AS THE COUNTY GEOLOGIST FOR REVIEW AND APPROVAL PRIOR TO FINAL APPROVAL OF FINISHED SLOPES. THIS REPORT(S) SHALL BE SUBMITTED ANNUALLY, AT A MINIMUM, IN CONJUNCTION WITH THE REQUIRED ANNUAL SMARA INSPECTION (MAY SUBMIT REPORTS OUTSIDE OF ANNUAL INSPECTION SCHEDULE AS NECESSARY TO MAINTAIN SAFE CONDITIONS AND FORWARD PROGRESS OF FINISHING SLOPES FOR RECLAMATION PURPOSES).

10.PLANNING. 3 GEN - IF HUMAN REMAINS FOUND RECOMMND

The developer/permit holder or any successor in interest shall comply with the following codes for the life of this project:

If human remains are encountered, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made the necessary findings as to origin. Further, pursuant to Public Resources Code Section 5097.98 (b), remains shall be left in place and free from disturbance until a final decision as to the treatment and their disposition has been made. If the Riverside County Coroner determines the remains to be Native American, the Native American Heritage Commission shall be contacted within the period specified by law. Subsequently, the Native American Heritage Commission shall identify the "Most Likely Descendant." The Most Likely Descendant shall then make recommendations and engage in consultation with the County and the property owner concerning the treatment of the remains as provided in Public Resources Code Section 5097.98. Human remains from other ethnic/cultural groups with recognized historical associations to the project area shall also be subject to

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10. GENERAL CONDITIONS

10.PLANNING. 3                    GEN - IF HUMAN REMAINS FOUND (cont.)                    RECOMMND

consultation between appropriate representatives from that group and the County Planning /Director.

10.PLANNING. 4                    GEN - INADVERTANT ARCHAEO FIND                    RECOMMND

The developer/permit holder or any successor in interest shall comply with the following for the life of this project:

If during ground disturbance activities, cultural resources are discovered that were not assessed by the archaeological reports and/or environmental assessment conducted prior to project approval, the following procedures shall be followed. A cultural resources site is defined, for this condition, as being three or more artifacts in close association with each other, but may include fewer artifacts if the area of the find is determined to be of significance due to it sacred or cultural importance.

1.All ground disturbance activities within 100 feet of the discovered cultural resource shall be halted until a meeting is convened between the developer, the project archaeologist, the Native American tribal representative (or other appropriate ethic/cultural group representative), and the Planning Director to discuss the significance of the find.

2.At the meeting, the significance of the discoveries shall be discussed and after consultation with the Native American tribal (or other appropriate ethnic/cultural group representative) and the archaeologist, a decision is made, with the concurrence of the Planning Director, as to the appropriate mitigation (documentation, recovery, avoidance, etc) for the cultural resource.

3.Further ground disturbance shall not resume within the area of the discovery until an agreement has been reached by all parties as to the appropriate preservation or mitigation measures.

10.PLANNING. 5                    SMP - COMPLY W/ ORD./EXHIBITS                    RECOMMND

The development of these premises shall comply with the standards of Ordinance Nos. 348 and 555 and all other applicable Riverside County ordinances and state and federal codes. The development of the premises shall

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10. GENERAL CONDITIONS

10.PLANNING. 5 SMP - COMPLY W/ ORD./EXHIBITS (cont.) RECOMMND

conform substantially with that as shown on the Mining and Reclamation Plans and Project Description, unless otherwise amended by these conditions.

10.PLANNING. 6 SMP - CAUSES FOR REVOCATION RECOMMND

In the event the use hereby permitted under this surface mining permit, a) ceases operation for a period of one (1) year or more (unless an Interim Management Plan is approved in accordance with SMARA and Ordinance No. 555), b) is found to be in violation of the terms and conditions of this permit, c) is found to have been obtained by fraud or perjured testimony, or d) is found to be detrimental to the public health, safety and welfare, or is a public nuisance, this permit shall be subject to the revocation procedures in Section 18.31 of Ordinance No. 348 and/or the applicable section of Ordinance No. 555.

10.PLANNING. 7 SMP - CONDITION REVIEW FEE RECOMMND

All subsequent submittals required by these conditions of approval, including but not limited to a revegetation plan or mitigation monitoring shall be reviewed, with payment therefore made on an hourly basis as a "research fee," or other such fee as may be in effect at the time of submittal, as required by Ordinance No. 671.

10.PLANNING. 9 SMP - SPARK ARRESTOR REQUIRED RECOMMND

During the life of the permit, the permittee shall comply with spark arrestor requirements of the Public Resources Code for all equipment used on the premises other than turbocharger vehicles designed and licensed for highway use.

10.PLANNING. 10 SMP - DUST PREVENTION MEASURE RECOMMND

During the life of the permit, all roads, driveways and mining areas shall be kept continuously wetted while being used, and shall be treated with EPA approved dust suppressants to prevent emission of dust. Nonhazardous soil stabilizers shall be applied to all inactive surface mining areas and/or stockpiles (previously mined areas which remain inactive for 96 hours or more).

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10. GENERAL CONDITIONS

10.PLANNING. 11 SMP - COMPLY W/ SAFETY REQ. RECOMMND

During the life of the permit, mining operations and practices shall comply with the Safety requirements of MSHA, OSHA, the State Division of Industrial Safety, and California Mine Safety Orders.

10.PLANNING. 12 SMP - RUNOFF OUTLETS RECOMMND

The permitted shall during the proposed mining operations, ensure that off-site storm runoff through the property outlets are in substantially the same location as exists under the natural conditions and that the existing watercourses do not pond or stagnate at any time during the mining except as shown on the Mining Plan, Exhibit "A" and the Reclamation Plan, Exhibit "B".

10.PLANNING. 13 SMP - OPERATING HOURS RECOMMND

On-site operating hours, other than maintenance or emergencies, shall be limited to the following:

Mining, aggregate processing and recycle plant operations shall be limited to the hours between 7:00 A.M. and 10:00 P.M., Monday through Saturday. Operations shall be prohibited on Sundays and Federally recognized holidays.

Asphalt Batch Plant and Concrete Batch Plant operations shall be allowed to operate from 4:00 A.M. to 12:00 (midnight) with the limitation such that the Asphalt Batch Plant and Concrete Batch Plant shall not be operated simultaneously between the nighttime hours of 10:00 P.M. and 12:00 (midnight).

Trucking and hauling operations shall be limited to non-rush hour periods between 7:00 A.M. and 10:00 P.M., Monday through Friday, with the exception of limited periods of 24 hour, seven days per week operations required to service Caltrans and Riverside County Transportation Commission road improvement projects. All operations to be conducted beyond 10:00 P.M. shall be reported to Riverside County a minimum of 48 hours in advance of said operations.

No operations shall be allowed on Federally recognized holidays, except in emergency situations.

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10. GENERAL CONDITIONS

10.PLANNING. 14 SMP - LOADED TRUCK CARE RECOMMND

All loaded trucks egressing from the subject property shall be properly trimmed with a two (2) foot freeboard height and/or covered and sprayed with water so as to minimize dust and prevent spillage onto the public roadway. In the event that spillage onto the road does occur, said spillage shall be removed immediately (within one hour of the spillage) from the road right-of-way.

10.PLANNING. 15 SMP - FIRE PREVENTION RECOMMND

All work areas and parking areas shall be maintained free of flammable vegetation and debris at all times. No open fires shall be allowed.

10.PLANNING. 16 SMP - CEASED OPERATION EFFECT RECOMMND

In the event the use hereby permitted ceases operation for a period of one (1) year or more, this approval shall become null and void, unless an Interim Management Plan is submitted to the Planning Director within 90 days of the operation becoming idle, as specified in SMARA and Riverside County Ordinance No. 555. The applicant shall be responsible for the submission of the Interim Management Plan and remains responsible for the implementation of the Reclamation Plan should the permit become null and void.

10.PLANNING. 17 SMP - STOCKPILE PROTECTION RECOMMND

Stockpiles shall be protected against water and wind erosion by covering with burlap or other Riverside County approved material, wetting, and/or temporary hydroseeding with native plant species.

10.PLANNING. 18 SMP - COMPLY W/ 348 STANDARDS RECOMMND

The development of the property shall comply with all applicable provisions of Riverside County Ordinance No. 348 except as modified by the conditions of this permit.

10.PLANNING. 19 SMP - COMPLY W/ ORD. 655 RECOMMND

Surface mining operations approved by this permit shall conform to all of the applicable requirements of Riverside County Ordinance No. 655, regulating light pollution.

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10.PLANNING. 20 SMP - COMPLY W/ SCAQMD RULES RECOMMND

The permittee shall comply with all applicable South Coast Air Quality Management District (SCAQMD) rules and regulations, including but not limited to, New Source Review Regulations, Standards of Performance for Asphaltic Concrete Plants, Rule 403 for fugitive dust, and PM10 requirements.

10.PLANNING. 23 SMP - SUSPEND OPER. FOR WIND RECOMMND

All surface mining operations, including excavating, crushing, screening and related material loading and hauling, shall be suspended when wind speeds (as instantaneous gusts) exceed 20 miles per hour. All surface mining operations shall be suspended during first and second stage smog alerts.

10.PLANNING. 24 SMP - SIGNS NEED PERMIT RECOMMND

No signs are approved pursuant to this use. Prior to the installation of any on-site advertising or directional signs, a signing plan shall be submitted to and approved by the Riverside County Planning Department, pursuant to the requirements of Riverside County Ordinance No. 348 and all necessary building permits shall be obtained from the Riverside County Department of Building and Safety.

10.PLANNING. 25 SMP - RESPONSIBLE TO RECLAIM RECOMMND

The permittee (mine operator and/or land owner) shall accept responsibility for reclaiming the mine lands in accordance with the approved reclamation plan and within the time limits of said plan and in conformance with reclamation requirements and standards according to State of California Surface Mining and Reclamation Act and Riverside County Ordinance No. 555 guidelines.

10.PLANNING. 26 SMP - ANNUAL REPORT RECOMMND

During the life of this permit, the permittee shall annually prepare and submit a written report to the Planning Director of the County of Riverside, demonstrating compliance with all the conditions of approval and mitigation for this SMP00213 and EIR00475. The Planning Director and/or Building Director may require inspection or other monitoring to ensure such compliance. Annual inspection shall include the Planning Department as well.

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10. GENERAL CONDITIONS

10.PLANNING. 27

SMP - BLASTING OPERATIONS

RECOMMND

Blasting shall only be conducted between the hours of 10:00 A.M. and 6:00 P.M., Monday through Saturday. No blasting shall be conducted on Sunday or any Federally recognized holidays. No blasting shall be conducted after sunset. If an emergency situation, related to safety or weather conditions, should occur, blasting may occur outside of these hours. Blasting shall be performed in accordance with the following specifications, and in such a manner that noise, ground and air vibrations, and dust are maintained at levels which satisfy Federal, State and County standards:

- a. Blasting shall be conducted by a trained and licensed blaster.
- b. The explosive used for blasting work will be standard commercial products specifically designed for mine applications.
- c. Blasting shall be performed using electric or non-electric blasting systems.
- d. All blasts shall be detonated with a millisecond delay system to limit the quantity of explosive denoted per delay period and to provide for sequential control of the blast detonation.
- e. The explosives shall include bulk ANFO suitably primed for blast hole conditions.
- f. Water-resistant explosive shall be used where wet blast hole conditions exists.
- g. Explosive supplies shall be used in accordance with the technical recommendations of the manufacturer and the Institute of Markers of Explosives.
- h. All blast holes shall be carefully stemmed with inert granular material, and individual blast holes will be loaded with due recognition of instant rock fracture and burden conditions.
- i. Seismic monitoring of each blast shall be performed by an independent, qualified consultant.
- j. The mining operator shall inform the County Fire Department and Sheriff Department, prior to 4:30 PM, of the intention to blast the following day.
- k. Notify neighbors within 1,000 feet prior to a blasting episode (in accordance with 60.PLANNING.7).
- l. Prior to a blasting episode, the site shall be cleared of people, all vehicles shall be either stored undercover or at a safe distance, all surplus explosives shall be stored in a safe place, warning signals shall be sounded and visual inspection of the site shall be made to assure

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10. GENERAL CONDITIONS

10.PLANNING. 27 SMP - BLASTING OPERATIONS (cont.)

RECOMMND

there are no unauthorized people in the vicinity of the blast.

m. Blasting signals shall be posted at one or more conspicuous locations on the mining site and all employees shall be familiar with the signals and instructed as to the safety procedures.

n. Following a blasting episode, the area shall be inspected to assure that the blast went as planned. The "all clear" signal shall not be sounded until the licensed blaster has made a thorough visual inspection of the blast area for misfires.

o. Design of blasting configurations, i.e. drill hole pattern, diameter, depth, explosive types, quantities and delay systems shall be determined by the location of the blast, rock conditions of the area to be blasted, and distance to neighboring improvements. Determinations shall be made by drilling and visual observations, mine development plans and allowable explosive quantities per delay second.

p. The initial mine development and mine production blasts shall be limited to 2,000 pounds of explosive per eight-millisecond blast increment. Seismic monitoring at the site of mining operations shall be performed to determine the actual vibration levels from these blasts.

q. Vibratory ground motion from mine blasting shall not peak particle velocities of one inch per second.

r. Drilling shall be conducted between the hours of 6:00 AM to 6:00 PM, any day, Monday through Friday, except Federally recognized holidays.

s. Airblast at any residential structure shall not exceed 129 dBL, as measured by a sound instrument with a 6 Hz of lower flat response or 105 dBL peak, as measured by a A-weighted sound level meter.

t. Acoustic blankets shall be used around drilling operations to reduce potential drilling noise.

10.PLANNING. 28 SMP - BLASTING RECORDS

RECOMMND

A record of each blast, including seismograph data, shall be retained for at least three (3) years and shall be submitted to the County Building and Safety Department on a quarterly basis or more frequently, as deemed appropriate by the Building and Safety Director. Such records shall contain the following data:

a. Location, data and time of blast.

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10. GENERAL CONDITIONS

10.PLANNING. 28 SMP - BLASTING RECORDS (cont.) RECOMMND

- b. Name, signature and license number of "Blaster-in-charge".
- c. Direction and distance, in feet, to the nearest improvement or residence.
- d. Weather conditions, including temperature, wind direction and approximate wind velocity.
- e. Number of holes, burden and spacing.
- f. Diameter and depth of holes.
- g. Types of explosive(s) used.
- h. Total weight of explosives detonated.
- i. Maximum weight of explosives detonated within an eight (8) millisecond period.
- j. Maximum number of holes detonated within any eight (8) millisecond period.
- k. Type of initiation system.
- l. Type of length of stemming.
- m. Type of delay detonator and delay periods used.
- n. Sketch of the delay pattern.
- o. Seismogram including the calibration signal of the gain setting and:
  - 1. seismographic reading, including locations of seismograph and its distance, in feet, from the blast,
  - 2. name of the person taking the seismograph reading,
  - 3. name of the person and firm analyzing the seismographic record.

10.PLANNING. 29 SMP - PREBLAST INSPECTION RECOMMND

Preblast inspections shall be made by a civil engineer, licensed by the State of California, of all residences and facilities existing at time of permit approval located within 1,000 feet of potential blasting areas.

10.PLANNING. 30 SMP - BLASTING COMPLAINTS RECOMMND

Any blasting complaints shall be recorded by the permittee as to complainant, address, date, time, nature of the complaints, the investigation that was conducted, and the resolution achieved. Complaint records shall be made available to the public agencies regulating blasting.

10.PLANNING. 31 SMP - 90 DAYS TO PROTEST RECOMMND

The project applicant has 90 days from the date of approval of these conditions to protest, in accordance with the procedures set forth in Government Code Section 66020, the

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10. GENERAL CONDITIONS

10.PLANNING. 31 SMP - 90 DAYS TO PROTEST (cont.) RECOMMND

imposition of any and all fees, dedications, reservations and/or other exactions imposed on this project as a result of this approval or conditional approval of this project.

10.PLANNING. 33 USE - BUSINESS LICENSING RECOMMND

Every person conducting a business within the unincorporated area of Riverside County, as defined in Riverside County Ordinance No. 857, shall obtain a business license. For more information regarding business registration, contact the Business Registration and License Program Office of the Building and Safety Department at [www.rctlma.org.buslic](http://www.rctlma.org.buslic).

10.PLANNING. 34 SMP - MITIG MEASURE AL-2d RECOMMND

Mitigation Measure AL-2d from EIR475 requires:

At the time quarrying on the upper north quarry slopes is completed, the slopes in this area that are visible from Rainbow Glen and Rainbow Hills to the southeast will be stained and the benches would be hydroseeded with native plant seeds to be consistent with natural colors and vegetation. This shall be done as part of concurrent reclamation activities anticipated as part of the Proposed Project.

10.PLANNING. 35 USE - ORD 810 O S FEE (1) RECOMMND

In accordance with Riverside County Ordinance No. 810, to assist in providing revenue to acquire and preserve open space and habitat, an Interim Open Space Mitigation Fee shall be paid for each development project or portion of an expanded development project to be constructed in Western Riverside County. The amount of the fee for commercial or industrial development shall be calculated on the basis of "Project Area," which shall mean the net area, measured in acres, from the adjacent road right-of-way to the limits of the project development.

10.PLANNING. 36 SMP - MITIG MEASURE AQ-3c RECOMMND

Mitigation Measure AQ-3c from EIR475 requires:

Applicant commits to purchasing all new off road equipment which is alternative fueled and/or compliant with the ARB

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10. GENERAL CONDITIONS

10.PLANNING. 36 SMP - MITIG MEASURE AQ-3c (cont.) RECOMMND

and US EPA Off-Road Compression-Ignition Engine Standard for the year in which it is purchased.  
(Also required in the Annual checklist condition of approval 60.Planning.27)

10.PLANNING. 37 SMP - MITIG MEASURE AQ-3i RECOMMND

Mitigation Measure AQ-3i from EIR475 requires:

All buildings on the Site shall conform to energy use guidelines in Title 24 of the California Administrative Code and the adopted Uniform Building Code in Riverside County.

10.PLANNING. 38 SMP - MITIG MEASURE AQ-3j RECOMMND

Mitigation Measure AQ-3j from EIR475 requires:

Applicant shall implement a Liberty Quarry Clean Air Truck Program, whereby Applicant would either retrofit or replace 130 heavy-duty, diesel-fueled truck engines when the proposed quarry first opens for permanent plant operation. The Applicant would work with trucking firms and concrete companies to identify and retrofit these trucks prior to initiating permanent plant operations. Liberty Quarry would only need about 13 trucks the first year; 130 trucks would not be needed until the quarry reaches full production approximately 10 years later. The engine retrofits (diesel particulate filters and NOx catalysts) will reduce individual truck emissions of PM10 by about 85 percent and NOx emissions by up to 40 percent, depending on the technology used for the retrofit. Applicant plans to replace some of the engines with model year 2007 or newer engines rather than retrofitting existing engines. Engine replacement results in emission reductions of PM10 by 90 to 96 percent (depending on the age of the replaced engine) and NOx by 95 percent or more from older engines.

10.PLANNING. 39 SMP - MITIG MEASURE AQ-3k RECOMMND

Mitigation Measure AQ-3k from EIR475 requires:

The project Applicant shall establish an air quality monitoring program. The air monitoring program and locations of monitoring stations shall be subject to review

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10. GENERAL CONDITIONS

10.PLANNING. 39

SMP - MITIG MEASURE AQ-3k (cont.)

RECOMMND

by the County of Riverside and shall be consistent with existing monitoring protocols established by the South Coast Air Quality Management District. The air monitoring program shall be established and operational at least 12 months prior to initiation of permanent plant operations on the project site. The monitoring program shall monitor ambient air quality conditions and all monitoring results shall be provided to the County of Riverside and made available to the public on a quarterly basis.

(Also required in the Annual checklist condition of approval 60.Planning.27)

10.PLANNING. 40

SMP - MITIG MEASURE CR-3a

RECOMMND

Mitigation Measure CR-3a from EIR475 requires:

Prior to grading activities, the Proposed Project proponent shall retain a Riverside County certified archaeological monitor and tribal monitors from the Pechanga Cultural Resources Department. The archaeological monitor and tribal monitors shall monitor all grading down the top of hardrock or bedrock for the mining pit area, access road, all trenching, grubbing, rock removal, and areas where conventional mass grading will occur, including archaeological testing. Pursuant to CEQA Guidelines Section 15064.5(f), "provisions for historical or unique archaeological resources accidentally discovered during construction" shall be instituted. If any prehistoric or historical subsurface cultural resources are discovered during ground disturbing activities, all work within 100 feet of the resources shall be halted; and Applicant shall consult with Riverside County and a qualified archaeologist (as approved by the county) to assess the significance of the find according to guidelines. If any find is determined to be significant, Riverside County representatives and the qualified archaeologist shall meet to determine the appropriate avoidance measures or other appropriate mitigation. In considering any suggested mitigation proposed by the consulting archaeologist to mitigate impacts to historical resources or unique archaeological resources, Riverside County would determine whether avoidance is feasible, considering factors such as the nature of the find, project design, costs, tribal consultation, and other considerations. If avoidance is infeasible, other appropriate measures (e.g., data

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10.PLANNING. 40

SMP - MITIG MEASURE CR-3a (cont.)

RECOMMND

recovery) would be implemented. Work may proceed on other parts of the Project Site while mitigation for historical resources or unique archaeological resources is performed. All significant cultural materials that are recovered shall be, at the discretion of the consulting archaeologist, in consultation with the Pechanga Tribe, subject to scientific analysis, professional museum curation, and documentation in accordance with current professional standards.

10.PLANNING. 41

SMP - MITIG MEASURE CR-5

RECOMMND

Mitigation Measure CR-5 from EIR475 requires:

If human remains are discovered, all work would stop near the find; and the county coroner would be notified, in accordance with Section 7050.5 of California's Health and Safety Code. If the remains are determined to be Native American, the coroner would notify the NAHC; and the procedures outlined in CEQA Guidelines Section 15064.5(d) and (e) would be followed.

10.PLANNING. 42

SMP - MITIG MEASURE CR-6a

RECOMMND

Mitigation Measure CR-6a from EIR475 requires:

Prior to grading activities, the Proposed Project proponent shall retain a Riverside County certified archaeological monitor and tribal monitors from the Pechanga Cultural Resources Department. The archaeological monitor and tribal monitors shall monitor all grading down to the top of hardrock or bedrock for the mining pit area, access road, all trenching, grubbing, rock removal, and areas where conventional mass grading will occur, including archaeological testing. Tribal monitors shall also have the authority to stop and redirect grading activities in consultation with the project archaeologist, if archeological artifacts or human remains are found. Grading in that area shall not recommence until the cultural resource has been properly recorded, evaluated and mitigated pursuant to the provisions of CEQA Guidelines Section 15064.5 described for Mitigation Measure CR-5.

10.PLANNING. 43

SMP - MITIG MEASURE GEO-3b

RECOMMND

Mitigation Measure GEO-3b from EIR475 requires:

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10. PLANNING. 43

SMP - MITIG MEASURE GEO-3b (cont.)

RECOMMND

The Applicant shall implement a geologic verification and monitoring program under the management of a qualified, registered geotechnical engineer and an engineering geologist. The program would generally include the collection of monitoring data from new core holes and exposed bench faces as mining operations proceed throughout the quarry area. The program document would require all geologic data, engineering drawings, permits, monitoring and mitigation conditions prior to initial Site development as well as preparation of detailed Site development phasing. The program would also include provisions for initial Site development, Site development blasting, production blasting within the initial mining areas, final pit wall slope face, and reporting and record keeping requirements.

The geologic verification and monitoring program will monitor rock strength and slope stability so that mining activities can be modified, if necessary, for the continued safe operation of the quarry and to produce stable slopes and benches. The program will be designed and implemented on an ongoing basis as mining progresses from initial Site development through the end of Phase 3.

Verification and monitoring activities include geologic mapping of exposed bedrock surfaces after blasting and excavation. All geologic and blasting data will be reviewed every time 100,000 yd<sup>3</sup> of material has been blasted. Verification drilling and coring will be performed if deemed necessary by the independent geologist. Rock quality designation (RQD) and rock mass rating (RMR) will be recorded; rock strength and rock mass stability assumptions will be evaluated. Slope stability assumptions will be evaluated, at a minimum, after each 500,000 cubic yards (yd<sup>3</sup>) of material is blasted. A minimum overall safety factor of 1.5 will be maintained. In addition, hydrogeologic data will be monitored continually to confirm the lack of an aquifer. Periodic monitoring of the Kirkpatrick well (see Section 3.7) will be performed.

The name and qualifications of the registered engineering geologist or geotechnical engineer assigned to the Proposed Project will be provided to Riverside County. All records will be kept onsite, and duplicate records will be maintained by the engineering geologist or geotechnical engineer. During the first year, the engineering geologist or geotechnical engineer will prepare and submit quarterly

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10.PLANNING. 43 SMP - MITIG MEASURE GEO-3b (cont.) (cont.) RECOMMND

reports to Riverside County. With approval of the county, the reports may be prepared and submitted annually after the first year. The reports will include the following information.

- Drill hole patterns and locations
- Amount of explosive loaded in the holes
- Weather data at time of the blast
- Monitoring data
- Geological mapping and data (e.g., RQD and RMR)
- Core hole data and testing data
- Seepage data
- Slope stability verification analysis
- Hydrogeologic monitoring data
- Modifications to the mining plan, slope height, bench width, and slope angle

10.PLANNING. 44 SMP - MITIG MEASURE GEO-13 RECOMMND

Mitigation Measure GEO-13 from EIR475 requires:

The Applicant shall comply with State and local mandates requiring implementation of a stormwater pollution prevention plan (SWPPP) and use of best management practices (BMP) to control any runoff onsite and offsite that could potentially result in erosion. Mitigation Measures HWQ-1a and HWQ-1b (see Section 3.7) includes information regarding SWPPP requirements. Implementation of a SWPPP would minimize the effect of water erosion at the Site to less than significant.

10.PLANNING. 45 SMP - MITIG MEASURE HAZ-1 RECOMMND

Mitigation Measure HAZ-1 from EIR475 requires:

The Applicant shall require that the transport of explosives, blasting agents, and blasting equipment be directed and supervised by a qualified blast officer. Prior to delivery of blasting materials, the blasting contractor would notify the mine safety personnel of the quarry at least 24 hours in advance of expected delivery time. The contractor would make arrangements for the mine safety personnel to perform each of the following:

- Meet the explosive hauling vehicle

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10.PLANNING. 45

SMP - MITIG MEASURE HAZ-1 (cont.)

RECOMMND

-Inspect vehicle for compliance with transportation regulations

-Escort vehicle to designated storage magazines

Additionally, the blasting contractor and the explosive delivery company must show evidence of compliance with each of the following requirements.

-Maintain current enrollment in the California Biennial Inspection Terminal (BIT) Program

-Maintain a current U.S. Department of Transportation HAZMAT Certification Registration

-Maintain a current California HAZMAT Transportation License

-Maintain a general liability insurance policy for explosive transportation for not less than \$5,000,000

-Maintain a copy of the driver's current California driver license with HAZMAT endorsement

-Maintain current enrollment in California PULL NOTICE Program

-Maintain current enrollment in a drug screening program according to U.S. Department of Transportation CFR Title 49 regulations

All vehicles and explosive transport magazines shall conform to all federal, state, and local regulations associated with the transportation and handling of explosives. Additionally, all drivers of vehicles transporting explosives shall be properly trained and licensed in accordance with all federal, state, and local agencies and regulations.

10.PLANNING. 46

SMP - MITIG MEASURE HAZ-2

RECOMMND

Mitigation Measure HAZ-2 from EIR475 requires:

The Applicant shall ensure that use of blasting materials for blasting operations would adhere to the following:

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10.PLANNING. 46 SMP - MITIG MEASURE HAZ-2 (cont.) RECOMMND

-Blasting operations would be performed by a blaster licensed through the Bureau of Alcohol, Tobacco, Firearms, and Explosives (BATF&E).

-Blasting would be conducted upon issuance of a blasting permit by the Riverside County Fire Department and the Riverside County Sheriff's Department.

10.PLANNING. 47 SMP - MITIG MEASURE HAZ-3 RECOMMND

Mitigation Measure HAZ-3 from EIR475 requires:

To reduce the potential for and the severity of spills, the Applicant's activities shall be operated in accordance with management plans approved by regulatory authorities, including the following:

-The Above Ground Storage Tanks (AST) would be constructed on concrete pads to contain the contents of the tank and a 100 year rainfall event, in compliance with requirements.

-A hazardous materials business plan would be filed and approved by the Riverside County HMMD and implemented by the Applicant. The plan would include an inventory of hazardous materials and address proper storage, handling, and disposal of hazardous materials. The plan would provide spill response and notification requirements.

-A Spill Prevention, Control and Countermeasure (SPCC) plan is required for operation of the fuel tanks. A plan would be developed and implemented, specifying storage handling requirements and requirements for secondary containment and spill response to contain accidental releases.

10.PLANNING. 48 SMP - MITIG MEASURE HWQ-1a RECOMMND

Mitigation Measure HWQ-1a from EIR475 requires:

Prior to initiation of ground disturbance activities, the Applicant shall submit a Notice of Intent with the SWRCB to comply with NPDES General Permit for Discharges of Storm Water Associated with Construction Activity. The Applicant (or its designee) shall prepare a stormwater pollution prevention plan (SWPPP) to identify potential pollutant sources that affect the quality of discharges associated with construction activity, to identify non-stormwater

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10. GENERAL CONDITIONS

10.PLANNING. 48

SMP - MITIG MEASURE HWQ-1a (cont.)

RECOMMND

discharges, and to design best management practices (BMP) to effectively prohibit the discharge of pollutants from the Site into Waters of the United States during construction. BMPs shall address erosion and sediment control, wind erosion control, source controls, and waste management. The contractor shall ensure that the SWPPP requirements are implemented at the Site and that water quality standards are maintained. Best management practices shall be modified, as necessary, so that an adequate combination of erosion controls is implemented for active and inactive (previously disturbed) construction areas. Examples of best management practices include: use of silt fence or fiber rolls to prevent the migration of sediment offsite, application of water to disturbed areas during working or windy conditions to prevent dust and erosion, and use of drip pans for mobile fueling. In addition, the SWPPP shall outline a regular BMP maintenance and monitoring schedule. The SWPPP will likely require modification as the project progresses and as conditions warrant to remain consistent with changes in other site plans that effect soil disturbing activities, site drainage patterns or any other activity that may impact storm water runoff quality.

(Also required in the Annual checklist condition of approval 60.Planning.27)

10.PLANNING. 49

SMP - MITIG MEASURE HWQ-1b

RECOMMND

Mitigation Measure HWQ-1b from EIR475 requires:

The Applicant shall comply with the NPDES General Permit for Storm Water Discharges Associated with Industrial Activities and submit a Notice of Intent to the SWRCB prior to startup of project operations. The Applicant shall develop and implement an SWPPP that identifies and evaluates sources of pollutants associated with operations that affect the quality of industrial stormwater discharges and authorized nonstormwater discharges, and describes and ensures the implementation of BMPs to reduce or prevent pollutants in industrial stormwater discharges and authorized nonstormwater discharges. BMP methods of pollutant control will include both nonstructural and structural measures. Nonstructural BMPs may include good housekeeping practices, preventative maintenance, and other nonstructural control techniques. Structural BMPs may

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10. GENERAL CONDITIONS

10.PLANNING. 49 SMP - MITIG MEASURE HWQ-1b (cont.) RECOMMND

include onsite surface containment, control berms, and other structural control techniques to minimize polluted stormwater runoff. In addition, the SWPPP shall outline a regular BMP maintenance and facility monitoring schedule in compliance with the Industrial General Permit.

(Also required in the Annual checklist condition of approval 60.Planning.27)

10.PLANNING. 50 SMP - MITIG MEASURE HWQ-1c RECOMMND

Mitigation Measure HWQ-1c from EIR475 requires:

Prior to the issuance of a building or grading permit, the Applicant shall comply with the San Diego RWQCB NPDES MS4 Permit (Order No. R9-2004-001) and submit for review and approval, a project-specific Water Quality Management Plan (WQMP) that addresses the project post-construction runoff and its potential impact on stormwater quality. The WQMP shall include characterization of the site (including hydrologic conditions of concern), description of onsite activities, and identification of pollutants that have the potential to impact stormwater quality. The WQMP shall address Site Design BMPs, such as minimizing impervious areas, incorporating the applicable Source Control BMPs (i.e., isolation of vehicle fueling and maintenance areas) and Treatment Control BMPs (i.e., sedimentation pond), and describing the associated site design considerations and implementation procedures. In addition, the WQMP would describe the long-term operation and maintenance requirements, and associated mechanism for funding, for BMPs requiring long-term maintenance.

10.PLANNING. 51 SMP - MITIG MEASURE HWQ-1d RECOMMND

Mitigation Measure HWQ-1d from EIR475 requires:

The Applicant shall comply with Riverside County Ordinance 754 - the Riverside County Stormwater/Urban Runoff Management and Discharge Controls Ordinance - by implementing (1) the measures identified in HWQ-1a, HWQ-1b, and HWQ-1c, in which management plans incorporate the appropriate and feasible BMPs contained in the California Stormwater Best Management Practice Handbooks for Municipal, Industrial/Commercial and Construction Activity; and (2) those measures identified by the Director of TLMA.

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10.PLANNING. 51 SMP - MITIG MEASURE HWQ-1d (cont.) RECOMMND

Implementation of these measures reduces pollutants in stormwater discharges to the maximum extent practicable during project design, construction, and operation; corrects or prevents illicit connections to the storm drain system; and implements business practices to prevent the unauthorized discharge of nonstormwater to the storm drain system.

10.PLANNING. 52 SMP - MITIG MEASURE N-4a RECOMMND

Mitigation Measure N-4a from EIR475 requires:

The Applicant shall limit construction activities to the hours of 6 a.m. (7 a.m. during the months of October through May) to 6 p.m.

10.PLANNING. 53 SMP - MITIG MEASURE N-4b RECOMMND

Mitigation Measure N-4b from EIR475 requires:

Applicant shall comply with the blasting mitigation plan.

10.PLANNING. 54 SMP - MITIG MEASURE N-5a RECOMMND

Mitigation Measure N-5a from EIR475 requires:

The Applicant shall restrict mining activities, aggregate plant, and recycling plant operations between the Riverside County-defined noise nighttime hours of 10 p.m. and 7 a.m.

10.PLANNING. 55 SMP - MITIG MEASURE N-5c RECOMMND

Mitigation Measure N-5c from EIR475 requires:

The Applicant shall not simultaneously operate the asphalt plant and concrete batch plant between the Riverside County-defined noise nighttime hours of 10 p.m. and 7 a.m.

10.PLANNING. 56 SMP - MITIG MEASURE N-5e RECOMMND

Mitigation Measure N-5e from EIR475 requires:

Upon receipt and validation of any noise complaints pertaining to the operation of the facility, Applicant shall conduct further acoustical analysis, which shall be conducted by a qualified acoustical consultant with

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10.PLANNING. 56 SMP - MITIG MEASURE N-5e (cont.) RECOMMND

experience in evaluating community noise levels and standards. The acoustical analysis shall address complaints by nearby noise-sensitive receivers. The acoustical analysis shall be submitted to the Riverside County Departments of Planning and Environmental Health for review and approval. Additional mitigation measures identified in any subsequent acoustical analysis shall be implemented after receipt and acceptance of the acoustical analysis to ensure conformance with Riverside County standards. The Applicant shall complete an acoustical review application and reimburse the Department of Public Health for their time and expenses incurred reviewing the acoustical analysis. The applicable Riverside County standards is 45 dBA - 10-minute noise equivalent level ("Leq"), between the hours of 10:00 p.m. to 7:00 a.m. (nighttime standard) and 65 dBA - 10 minute Leq, between 7:00 a.m. and 10:00 p. m. (daytime standard).

10.PLANNING. 57 SMP - MITIG MEASURE USS-3c RECOMMND

Mitigation Measure USS-3c from EIR475 requires:

The onsite wastewater treatment systems (OWTS) or advanced treatment units (ATU) must obtain San Diego RWQCB clearance in addition to the County of Riverside, Department of Environmental Health (DEH) approval if the daily estimated average wastewater flow discharged onsite is greater than 1,200 gallons per day and/or if the aforementioned San Diego RWQCB general waiver conditions cannot be met.

10.PLANNING. 58 SMP - MITIG MEASURE USS-2a RECOMMND

Mitigation Measure USS-2a from EIR475 requires:

The Applicant shall implement water usage Scenario 2 (see the Water Usage and Demand Study, Granite Construction, 2008; see Appendix O-3), which would use up to 369 ac-ft of make-up water per year (see Figure 3.12-2) through the use of belt presses for an overall water supply reduction of 30 ac ft/yr. With use of belt presses, the Proposed Project annual make up water usage shall not exceed 369 ac ft/yr.

10.PLANNING. 59 SMP - MITIG MEASURE USS-2b RECOMMND

Mitigation Measure USS-2b from EIR475 requires:

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10.PLANNING. 59

SMP - MITIG MEASURE USS-2b (cont.)

RECOMMND

In the event that circumstances reduce the available water supply below 369 ac-ft/year but production demand is at a maximum, the Applicant shall reduce its water demand to match available water supplies by modifying its operations including, but not limited to, reducing aggregate processing operations, use of using water for washing of aggregate, and use of using water for dust suppression.

10.PLANNING. 60

SMP - MITIG MEASURE USS-3a

RECOMMND

Mitigation Measure USS-3a from EIR475 requires:

In general, onsite wastewater treatment systems (OWTS) or advanced treatment units (ATU) would comply with San Diego RWQCB Conditional Waiver No. 1, general waiver conditions 1.I.A. for Onsite Disposal. These general waiver conditions include:

-Prevent the direct or indirect discharge of effluent from onsite disposal systems to any surface waters of the state (including ephemeral streams and vernal pools).

-Effluent from onsite disposal systems must be discharged to the subsurface and cannot surface or pond.

-Effluent from onsite disposal systems must not adversely affect the quality or beneficial uses of underlying groundwater.

-Effluent from onsite disposal systems must not cause or threaten to cause a condition of contamination, pollution, or nuisance.

-Effluent from onsite disposal systems must be discharged at least 5 feet above the highest known historical or anticipated groundwater level.

-Effluent from onsite disposal systems must be discharged at least 100 feet away from any surface water body.

-Effluent from onsite disposal systems must not adversely impact the quality or beneficial uses of groundwater in any water wells.

-Onsite disposal systems must be designed and operated in accordance with applicable regulatory requirements and/or

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10.PLANNING. 60

SMP - MITIG MEASURE USS-3a (cont.)

RECOMMND

standards as provided in the Specific Conditions (see Mitigation Measure USS-3b).

-The owner/operator of an onsite disposal system must comply with local, state, and federal ordinances and regulations and obtain any required approvals, permits, certifications, and/or licenses from authorized local agencies. Copies of any approvals, permits, certifications, and/or licenses must be available for onsite inspection.

-The owner/operator of an onsite disposal system must maintain and operate the system in accordance with the design approved by the authorized local agencies.

-The San Diego Water Board and/or other local regulatory agencies must be allowed reasonable access to the site in order to perform inspections and conduct monitoring.

-Onsite disposal systems can only accept domestic wastes and/or wastewater.

-Estimated daily discharge of domestic wastewater is less than 1,200 gallons per day.

10.PLANNING. 61

SMP - MITIG MEASURE USS-3b

RECOMMND

Mitigation Measure USS-3b from EIR475 requires:

The onsite wastewater treatment systems (OWTS) or advanced treatment units (ATU) would comply with San Diego RWQCB Conditional Waiver No. 1, specific waiver conditions 1.II.A. for new Onsite Septic Sewerage Systems. These specific waiver conditions include:

-New onsite septic or sewerage systems must comply with the conditions set forth in the section entitled Guidelines for New Community and Individual Sewerage Facilities in Chapter 4 (Implementation) of the Basin Plan.

-New onsite septic or sewerage systems proposed to be constructed in areas where groundwater quality objectives have been exceeded must be evaluated for potential adverse effects on groundwater quality and beneficial uses to determine if regulating the system with individual WDRs is more appropriate.

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10.PLANNING. 61 SMP - MITIG MEASURE USS-3b (cont.) RECOMMND

-New onsite septic or sewerage systems proposed to be constructed within areas designated as Zone A, as defined by the California Department of Public Health's Drinking Water Source Assessment and Protection Program, must be constructed with an adequate setback from the drinking water supply source that will be protective of drinking water quality.

Six months after adoption of State Water Board OWTS regulations, applications received by the authorized local agency for the construction of new onsite septic or sewerage systems must be in compliance with new OWTS regulations for design and installation.

10.PLANNING. 62 SMP - MITIG MEASURE VB-1a RECOMMND

Mitigation Measure VB-1a from EIR475 requires:

The scaled distance equation for ground vibration, which is presented in Section 3.13.2.4, correlates the weight of the charge and the distance to the receptor with the expected vibration. Predicted ground vibrations at a particular location can be reduced by reducing the scaled distance, which is the distance from the explosive charge to the recording location, in feet, divided by the square root of the charge weight, in pounds. By adjusting the blast design to a scaled distance of greater than 43, the potential ground vibration at Monitoring Station No. 19 would be reduced to below the human response threshold of 0.60 in/sec. A radius of 1,000 feet from Receptor Location No. 19 was selected for the implementation distance, because at 1,000 feet and beyond, the current blast design results in a scaled distance of less than 43.

10.PLANNING. 63 SMP - MITIG MEASURE VB-1b RECOMMND

Mitigation Measure VB-1b from EIR475 requires:

A blast plan has been prepared for the Proposed Project (see Appendix J, Sub-appendix C) and will be implemented during Phases 1 through 3 of the Proposed Project. The blast plan specifies procedures for handling of explosives and blasting, including safety precautions, such as pre-blast notifications and steps to take in the event of a misfire. The blast plan specifies the qualifications required of the blasting contractor. The use and handling

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10.PLANNING. 63 SMP - MITIG MEASURE VB-1b (cont.) RECOMMND

of all explosive materials shall be done by fully trained and licensed personnel with experience in quarry blasting. Blasting is limited to the hours of 10 a.m. to 6 p.m., once per day MoM-nday through Saturday; no blasting is allowed after sunset. The blaster-in-charge will prepare a blasting record after each blast, detailing the date, time, location, and specifications of the blast (e.g., drill pattern, hole depth, and products used). With implementation of the blast plan, the blast would be controlled so that the potential for exceeding the vibration threshold for human response is minimal.

10.PLANNING. 64 SMP - MITIG MEASURE VB-1c RECOMMND

Mitigation Measure VB-1c from EIR475 requires:

A blast monitoring plan consistent with to the draft Plan in Appendix J, Sub-Appendix D in the DEIR, will be submitted to the Riverside County Planning Department, the Fire Department, and the Sheriff's Department for approval prior to any construction or operational blasting activities and shall be implemented by the Applicant during all blasting activities. Said Blast Monitoring Plan shall set forth the types and placement of instrumentation at a minimum of three nearby receptors. If the blasting operations at the Liberty Quarry exceed the referenced control limits for any single axis of any blast, Granite Construction and their blasting contractor shall cease all blasting activities and submit a report to the County. The report shall give the blast design parameters and seismographic data and include any necessary proposed corrective action, which in their opinion will reduce vibration intensity to below control limits. Corrective action is subject to County approval.

(Also required in the Prior to Startup checklist condition of approval 20.Planning.XX)

10.PLANNING. 65 SMP - SCAQMD MITIGATION REQ RECOMMND

The following Mitigation Measures are required from EIR475. Compliance with these Measures is facilitated by annual reviews by the South Coast Air Quality Management District (SCAQMD):

AQ-2a: Applicant shall comply with SCAQMD Rule 403, which

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10.PLANNING. 65

SMP - SCAQMD MITIGATION REQ (cont.)

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specifies the following dust control measures:

- No visible dust emissions beyond the property line
  - No dust emissions exceeding 20 percent opacity anywhere on the property
  - No offsite increase in ambient PM10 concentrations greater than 50 g/m3
  - No track-out exceeding 25 feet from the property
  - Wheel washing or paving to eliminate track out
  - Employment of a dust control supervisor who has the authority to expeditiously employ sufficient dust mitigation measures to ensure compliance
  - Watering to maintain soil moisture at 12 percent on haul roads and other active unpaved surfaces that are not chemically stabilized
  - Watering to prevent visible dust more than 100 feet from any earth moving or mining activity
  - Watering, dust suppressants, covering with larger aggregate, and re-vegetation of inactive disturbed areas to prevent wind driven dust
  - Daily watering and 15 mph speed limit on unpaved roads
  - Chemical stabilization, watering, covering, and enclosing storage piles
  - Suspend all blasting, excavation, and grading operations when wind gusts (as instantaneous gusts) exceed 25 mph
  - Access road will be paved and all plant areas will be paved except mine haul roads for off-site mine trucks.
- AQ-2b: Applicant shall comply with SCAQMD Rule 1157, which requires the following:
- No visible dust more than 100 feet from any activity, equipment, storage pile, or disturbed area anywhere onsite

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10.PLANNING. 65 SMP - SCAQMD MITIGATION REQ (cont.) (cont.) RECOMMND

- No dust emission from any source exceeding 20 percent opacity (average of 12 readings)
- Prompt clean up of any spilled material and stabilization of any spilled material storage piles at a minimum at the end of each work day
- Dust suppressants or other dust control methods on conveyors, loading, unloading, or transferring activities
- Baghouse emission controls on screening and crushing activities or other dust control measures to meet the visible emission limits
- Chemical stabilization, covering, or enclosing storage piles
- Chemical stabilization of unpaved haul roads
- Sweeping of paved roads once each shift with SCAQMD-certified sweepers
- Covered or otherwise stabilized aggregate loads (i.e., loads to remain six inches from the upper edge of the container area) to avoid dust emissions from product transport trucks in compliance with California Vehicle Code No. 23114
- Wheel washers, rumble grate, and paving of internal plant roads to eliminate track out.

AQ-2c: All equipment and trucks shall be maintained and tuned according to manufacturer's specifications.

AQ-2d: Applicant shall comply with all existing and future CARB and SCAQMD regulations related to diesel-fueled trucks and equipment.

Control for diesel emissions from equipment and trucks are embedded in the compliance for all diesel-fueled engines, trucks, and equipment with the statewide CARB Diesel Reduction Plan. These measures would be implemented by CARB in phases with new rules imposed on existing and new diesel-fueled engines.

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10. PLANNING. 65 SMP - SCAQMD MITIGATION REQ (cont.) (cont.) (RECOMMND

AQ-2e: Applicant shall implement the following measures to reduce construction-related NOx impacts:

- Prohibit onsite diesel trucks from idling in excess of five minutes
- Require construction equipment that meets Tier 4 or exceeds Tier 2 standards and equip construction equipment with oxidation catalysts, particulate traps and demonstrate that these verified/certified technologies are available
- Provide temporary traffic controls such as a flag person, during all phases of construction to maintain smooth traffic flow
- Schedule construction activities that affect traffic flow on the arterial system to off-peak hour to the extent practicable
- Reroute construction trucks away from congested streets or sensitive receptor areas
- Improve traffic flow by signal synchronization

AQ-2f: Applicant shall implement the following measures to reduce construction-related VOC emissions:

- Use required coatings and solvents with a VOC content lower than required under Rule 1113
- Construct/build with materials that do not require painting to the satisfaction of the Planning Director
- Use pre-painted construction materials to the satisfaction of the Planning Director

Contractors shall use high-pressure-low-volume (HPLV) paint applicators with a minimum transfer efficiency of at least 50% or other application techniques with equivalent or higher transfer efficiency

AQ-3f: Per NSR requirements, Applicant shall obtain emission offsets for nonfugitive emissions if these emissions exceed the NSR thresholds of four tons/year for NOx, ROG, SOx, and PM10, or 29 tons/year for CO. The

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10.PLANNING. 65 SMP - SCAQMD MITIGATION REQ (cont.) (cont.) (RECOMMND

emission offset regulations apply only to nonfugitive or stationary emissions including the onsite aggregate processing plants and the power plant. The 5 MTPY quarry (with the onsite electric power plant) exceeds the emission offset thresholds for all of the five criteria pollutants listed in Regulation XIII. Table 3.2-22a shows the effect of the required emission offsets of 1.2 times the maximum non-fugitive emissions. Although PM2.5 emissions are not required to be offset, because PM2.5 is a subset of PM10, it would also be offset in the same ratio as PM10.

AQ-3g: Applicant shall be subject to the SCAQMD NSR Regulation XIII that requires the operator to employ Best Available Control Technology (BACT), which may include implementation of the various technological measures listed as Applicant Design Features.

AQ-3h: Applicant's stationary source NOx emissions shall be subject to the SCAQMD Regulation XX RECLAIM program that requires the operator to obtain RTCs quarterly to account for operational emissions. Applicant may meet the RECLAIM requirements for NOx through the purchase of ERCs, as shown for Mitigation Measure AQ-3f and in Table 3.2-22. Alternatively, the Applicant may meet the requirements of the RECLAIM program by purchasing RTCs.

AQ-9a: Applicant shall be subject to the SCAQMD New Source Review for Toxic Air Contaminants Rule 1401 that requires the operator to employ T-BACT, as listed in the SCAQMD BACT Guidelines.

AQ-9b: Applicant shall comply with required airborne toxic control measure that limits idling for greater than 5 minutes (Section 2485 within Chapter 10 - Mobile Source Operational Controls, Article 1 - Motor Vehicle, Division 3, CARB, Title 13, CCR).

10.PLANNING. 66 SMP - DRIVER SAFETY

RECOMMND

The applicant shall provide safe vehicle operations for all drivers that utilize the site through safety meeting instructions of its employees and regular customers and through handouts for other truck drivers. This will include that all trucks must have adequate mufflers and that the use of "jale brakes" will be limited to emergency situations.

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10.PLANNING. 67 SMP - OFFISTE PLANS WMD RECOMMND

The Applicant shall provide all plans for off-site improvements in proximity to Metropolitan Water District of Southern California (MWD) facilities and/or pipelines to MWD for their technical review and written approval and all such plans must clearly identify MWD's facilities and rights-of-way.

10.PLANNING. 68 SMP - NONPOTABLE WATER RECOMMND

The Applicant shall use non-potable water for the Project's industrial processes and fire protection, which will require the project proponent to construct additional pumping plants, storage tanks, and transmission waterlines to deliver this water to the subject parcel.

10.PLANNING. 69 SMP - SAN DIEGO CSPG (1) RECOMMND

The Applicant shall comply with San Diego County's I-15 Corridor Scenic Preservation Guidelines and associated Development Standards for steep topography and natural features as applicable for portions of the access road within San Diego County. The access road site plan and engineering plans will be provided to San Diego County's Department of Planning and Land Use for review and recommendations during the review period of the access road plans. A clearance letter from San Diego County will be required to assure compliance with this condition of approval.

10.PLANNING. 70 SMP-SAN DIEGO/CALTRANS RVW (2) RECOMMND

The Applicant shall provide all draft road improvement designs at the Rainbow Valley Boulevard/I-15 interchange to be reviewed and approved by Caltrans to San Diego County's Department of Public Works, Transportation Division for review and comment prior to obtaining necessary permits from Caltrans. A clearance letter from San Diego County will be required to assure compliance with this condition of approval.

10.PLANNING. 71 SMP-CALTRANS RVW OF GRADNG (1) RECOMMND

The Applicant shall submit rough and precise grading and drainage plans to Caltrans for their review for all road improvements as well as other infrastructure improvements that may affect Caltrans facilities either directly or

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10.PLANNING. 71 SMP-CALTRANS RVW OF GRADNG (1) (cont.) RECOMMND  
indirectly (e.g. offsite drainage).

10.PLANNING. 72 SMP-CALTRANS ENCROACH PRMT (1) RECOMMND  
The Applicant shall obtain an encroachment permit from Caltrans for any alterations within State right-of-way.

10.PLANNING. 73 SMP - RWQCB BMP (1) RECOMMND  
The Applicant shall incorporate Low Impact Development Best Management Practices as recommended by the RWQCB into their stormwater permits required under Mitigation Measures HWQ-1a, HWQ-1b, HWQ-1c, and HWQ-1d.

10.PLANNING. 74 SMP - RAINBOW PRKNG RESTRICTNS RECOMMND  
The Applicant will provide truck drivers information regarding where they would not be allowed to park on roadways in the Community of Rainbow upon discussions with community leaders and/or as restricted by ordinance or resolution of the San Diego County Board of Supervisors.

10.PLANNING. 75 SMP - DUST SUPERVISOR (1) RECOMMND  
The Applicant will appoint an on-site supervisor to be responsible for dust control implementation and to respond to any complaints about dust issues.

10.PLANNING. 76 SMP - TEIR 4 EMISSION REQ RECOMMND  
Prior to full production of 5 million tons per year, all off-road equipment will meet Tier 4 emission limits.

10.PLANNING. 77 SMP - PAVEMENT REQ RECOMMND  
Pavement is required around the entire aggregate, asphalt, concrete, and electrical generation plant sites. Only onsite haul roads may be unpaved if chemically stabilized and/or routinely watered.

10.PLANNING. 78 SMP - BLUE SMOKE PROGRAM RECOMMND  
The applicant shall implement a "blue smoke" program to reduce the potential for odor from asphaltic concrete (conventional, recycled asphalt products, and rubberized) production.

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10.PLANNING. 79 SMP - WARM MIX ASPHALT RECOMMND

The applicant shall provide the capabilities to produce warm mix AC on the asphalt plants. All asphalt shall be produced with as low an asphalt mix temperature as feasible (warm mix asphalt).

10.PLANNING. 81 SMP - WILDLIFE BENCHES RECOMMND

The applicant shall have ramp between quarry benches for wildlife access after the conclusion of mining.

10.PLANNING. 82 SMP - FIRE SENSORS RECOMMND

Granite shall notify the managers of the fire sensors Ambient Control Systems (619-562-5411, Poway, CA) of the construction schedule involving outdoor welding in advance of outdoor welding activity; and Granite shall provide temporary shielding of outdoor welding activity if there is line of sight visibility from the fire monitors to the welding.

10.PLANNING. 83 SMP - ENCLOSED CRUSHERS RECOMMND

Crushers and screens at the aggregate processing, concrete batch, and recycling plants shall be enclosed.

10.PLANNING. 84 SMP - RECLAIM SHIELDING RECOMMND

Concrete truck loading operations shall be partially shielded by the reclaim tunnel structure under the concrete batch plant.

10.PLANNING. 85 SMP - ASPHALT EXHAUST FANS RECOMMND

The asphalt plant exhaust fans shall be fitted with effective silencing (anticipated to be 5 feet long).

10.PLANNING. 86 SMP - GENERATOR MUFFLERS RECOMMND

Engine generator sets and heavy mobile equipment shall be fitted with appropriate mufflers and enclosures so that modeled sound levels are realized.

10.PLANNING. 87 SMP - ONE BLAST PER DAY RECOMMND

The project shall be limited to a maximum of one blast per day for all mining activities. Blasting is limited to the

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10.PLANNING. 87 SMP - ONE BLAST PER DAY (cont.) RECOMMND

hours of 10am to 6pm Monday through Saturday. No blasting is permitted after sunset.

10.PLANNING. 88 SMP - VISUAL BERM RECOMMND

Within 30 days of project approval, the Applicant shall provide detailed description of all construction details, any reinforcements, drainage and erosion controls, and revegetation that will be employed for both the Visual Enhancement Berm and the landscaped fill slope on the southeast portion of the site in the approved Final SMP and Reclamation Plan.

10.PLANNING. 89 SMP -CALTRANS RVW OF GRADE (1) RECOMMND

Prior to commencing any site grading that may affect Caltrans facilities, all rough grading plans, precise grading plans, and drainage plans shall be submitted for review and approval to Caltrans as well as Riverside County Building & Safety and/or San Diego County, as appropriate, for all road improvements as well as other infrastructure improvements that may affect Caltrans facilities either directly or indirectly (e.g. offsite drainage).

10.PLANNING. 90 SMP - REVEGETATION PERFORMANCE RECOMMND

Re-vegetation of the site shall meet the following minimum success criteria before being deemed as meeting the required reclamation standards: Percent Cover shall be a minimum of 50 % cover of native perennials per 100 meter transect; Species Richness (diversity) shall be a minimum of 9 species native perennials per 100 meter transect; Density shall be a minimum of 15 native perennials per 100 meter transect density; Presence of noxious weeds shall be less than 10% cover per 100 meter transect.

10.PLANNING. 91 SMP - REVEGETATION SAMPLING RECOMMND

The Re-vegetation monitoring plan shall be designed such that there is a resultant sample size which will provide an 80 percent confidence level at a minimum. The monitoring plan shall describe the details of the monitoring methods, including the type and number of monitoring plots to be employed. The sample plan shall be designed to match the units of measure and requisite goals of the revegetation performance standards (success criteria).

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10. GENERAL CONDITIONS

10.PLANNING. 92 SMP - JAKE BRAKES

RECOMMND

All trucks must have adequate mufflers and that the use of "jake brakes" must be limited to emergency situations.

10.PLANNING. 93 SMP- CULTURAL RESOURCES PROF

RECOMMND

As a result of archaeological investigation PD-A-4583 it has been determined that archaeological monitoring of all conventional grading (for roadway and structure development) and initial quarry excavation down to soil/rock interface over the life of the SMP.

Prior to the issuance of any grading permits, the developer/permit holder shall retain and enter into a monitoring and mitigation service contract with a qualified Archaeologist for services. The archeologist shall hold a current certification with the County of Riverside. This professional shall be known as the "Project Archaeologist." The Project Archaeologist shall be included in the pre-grade meetings to provide cultural/historical sensitivity training including the establishment of set guidelines for ground disturbance in sensitive areas with the grading contractors and tribal monitor. The Project Archaeologist shall manage and oversee monitoring for all initial ground disturbing activities and excavation of each portion of the project site including clearing, grubbing, tree removals, grading, trenching, stockpiling of materials, rock crushing, structure demolition, and similar activities. The Project Archaeologist shall have the authority to temporarily divert, redirect or halt the ground disturbance activities to allow identification, evaluation, and potential recovery of cultural resources in coordination with the tribal monitor.

The developer/permit holder shall submit a fully executed copy of the contract to the Riverside County Planning Department (County Archaeologist) to ensure compliance with this condition of approval. Upon verification, the Planning Department shall clear this condition.

NOTE: 1) The Project Archaeologist is responsible for implementing mitigation using standard professional practices for cultural resources. The Project ARchaeologist shall consult with the County, developer/permitholder and tribal monitor throughout the process.

2) The monitoring agreement shall not modify any approved

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10. GENERAL CONDITIONS

10.PLANNING. 93 SMP- CULTURAL RESOURCES PROF (cont.) RECOMMND  
condition of aproval or mitigation meausre.

10.PLANNING. 95 SMP- CULT MONITORING REPORTS RECOMMND

Prior to final inspection for any phase of grading or mining activities where archaeological monitoring is required, the developer/permit holder shall submit two (2) copies of the Phase IV Cultural Resources Monitoring Report to the County Archaeologist for review and acceptance that complies with the Riverside County Planning Department's requirements for such reports. The reports shall include documentation of the required cultural/historical sensitivity training for the construction/mining staff held during pre-grade or pre-mining meetings. The Riverside County Planning Department (County Archaeologist) shall review the reports to determine adequacy in mitigation reporting for environmental compliance documentation. Provided reports are adequate, the County Archaeologist shall clear this condition for each phase of grading or mining under permit where archaeological monitoring is required.

10.PLANNING. 96 SMP- TRIBAL MONITORING RECOMMND

As a result of information submitted by the Pechanga Band of Luiseno Indians, tribal monitoring of conventional construction-related grading activities and initial mining excavation down to the soilrock interface shall be accommodated for the purposes of consultation.

Prior to the issuance of grading permits, the developer/permit holder shall enter into contract to retain a monitor designated by the Pechanga Band of Luiseno Indians for the purpose of consultation with the Tribe in the event that cultural resources are exposed during earth-disturbing activities subject to archaeological monitoring under this Surface Mining Permit. The contract with the Tribe shall address, but not be limited to, the treatment and ultimate disposition of Native American cultural resources which may include repatriation and/or curation in a Riverside County approved curation facility.

The Tribal Monitor shall be allowed on-site access during all initial ground disturbing activities and initial excavation of each phase of the mine down to the soil/rock interface, including clearing, grubbing, tree removals,

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10. GENERAL CONDITIONS

10. PLANNING. 96

SMP- TRIBAL MONITORING (cont.)

RECOMMND

grading, trenching, stockpiling of materials, rock crushing, mining, structure demolition and similar activities. The Tribal Monitor shall have the limited authority to temporarily divert, redirect or halt the ground disturbance activities to allow for tribal consultation in coordination with the Project Archaeologist and construction/mining superintendant or designee.

The developer/permit holder shall submit a copy of a fully executed contract with the Tribe to the Riverside County Planning Department (County Archaeologist) to ensure compliance with this condition of approval. Upon verification, the Planning Department shall clear this condition.

NOTES:

1) The Project Archaeologist is responsible for implementing environmental mitigation compliance using standard professional practices for cultural resources. The Project Archaeologist shall consult with the County, developer/permit holder, and Tribal Monitor throughout the monitoring process.

2) Tribal monitoring does not replace required cultural resources monitoring by the Project Archeologist, but rather serves to facilitate tribal consultation for the Tribe's interests.

3) The tribal monitoring contract shall not modify any approved conditions of approval or mitigation measures.

4) The developer/permit holder shall have the option of contacting the Planning Director for consideration of this condition after forty-five (45) days, if an agreement with the Tribe has not been secured. In such an instance, the developer/permit holder shall demonstrate through documentation a good-faith effort to obtain the Tribal monitoring contract with the Tribe.

5) Should repatriation of recovered Native American artifacts be preferred, repatriation shall not occur until after the Phase IV monitoring report for any phase of grading or mining activity required to be monitored has been submitted to the Riverside County Planning Department (County Archaeologist). Should curation be preferred, the

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10. GENERAL CONDITIONS

10.PLANNING. 96 SMP- TRIBAL MONITORING (cont.) (cont.) RECOMMND

developer/permit holder shall be responsible for all curation costs.

10.PLANNING. 97 SMP - EXPLORATORY BORE HOLES RECOMMND

All exploratory bore holes excavated on this site for the evaluation of geologic and/or hydrological conditions, if not already properly abandoned, shall be abandoned in accordance with all applicable laws and regulations. This shall include the three borings (MW-1, -2, and -3) unless these bore holes are to be maintained for long-term monitoring.

If MW-1, -2, and -3 are to be maintained for long-term monitoring, an appropriate monitoring plan shall be prepared and submitted to the County Geologist for review and approval within 30 days of approval of this mining permit. This plan shall include, at a minimum, the monitoring purpose of the borings, what data will be acquired, the methods to be employed for the collection of data, and the reporting requirements for the data.

If the bore holes were completed as short-term exploratory borings (not to be maintained for long-term monitoring) they shall be destroyed in accordance with the applicable State and local laws if they will not be mined out within one year of approval of this mining permit.

TRANS DEPARTMENT

10.TRANS. 1 SMP - TS/CONDITIONS RECOMMND

The Transportation Department has reviewed the traffic study submitted for the referenced project. The study has been prepared in accordance with County-approved guidelines. We generally concur with the findings relative to traffic impacts.

The General Plan circulation policies require a minimum of Level of Service 'C', except that Level of Service 'D' may be allowed in community development areas at intersections of any combination of secondary highways, major highways, arterials, urban arterials, expressways or state highways and ramp intersections.

The study indicates that it is possible to achieve adequate