

May 2023 | Mitigation Monitoring and Reporting Program
State Clearinghouse No. 2023010324

BROOKSIDE GOLF COURSE IMPROVEMENTS PROJECT

Rose Bowl Operating Company

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1. Introduction

1.1 PURPOSE OF MITIGATION MONITORING PROGRAM

This Mitigation Monitoring Program has been developed to provide a vehicle by which to monitor mitigation measures and conditions of approval outlined in the Initial Study/Mitigated Negative Declaration (IS/MND), State Clearinghouse No. 2023010324. The Mitigation Monitoring Program has been prepared in conformance with Section 21081.6 of the Public Resources Code and Rose Bowl Operating Company (RBOC) Monitoring Requirements. Section 21081.6 states:

- (a) When making findings required by paragraph (1) of subdivision (a) of Section 21081 or when adopting a mitigated negative declaration pursuant to paragraph (2) of subdivision (c) of Section 21080, the following requirements shall apply:
 - (1) The public agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during project implementation. For those changes which have been required or incorporated into the project at the request of a responsible agency or a public agency having jurisdiction by law over natural resources affected by the project, that agency shall, if so requested by the lead or responsible agency, prepare and submit a proposed reporting or monitoring program.
- (b) The lead agency shall specify the location and custodian of the documents or other material which constitute the record of proceedings upon which its decision is based. A public agency shall provide that measures to mitigate or avoid significant effects on the environment are fully enforceable through permit conditions, agreements, or other measures. Conditions of project approval may be set forth in referenced documents which address required mitigation measures or, in the case of the adoption of a plan, policy, regulation, or other public project, by incorporating the mitigation measures into the plan, policy, regulation, or project design.
- (c) Prior to the close of the public review period for a draft environmental impact report or mitigated negative declaration, a responsible agency, or a public agency having jurisdiction over natural resources affected by the project, shall either submit to the lead agency complete and detailed performance objectives for mitigation measures which would address the significant effects on the environment identified by the responsible agency or agency having jurisdiction over natural resources affected by the project, or refer the lead agency to appropriate, readily available guidelines or reference documents. Any mitigation measures submitted to a lead agency by a responsible agency or an agency having jurisdiction over natural resources affected by the project shall be

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limited to measures which mitigate impacts to resources which are subject to the statutory authority of, and definitions applicable to, that agency. Compliance or noncompliance by a responsible agency or agency having jurisdiction over natural resources affected by a project with that requirement shall not limit the authority of the responsible agency or agency having jurisdiction over natural resources affected by a project, or the authority of the lead agency, to approve, condition, or deny projects as provided by this division or any other provision of law.

The Mitigation Monitoring and Reporting Program (MMRP) will serve to document compliance with adopted/certified mitigation measures that are formulated to minimize impacts associated with development under the Brookside Golf Course Improvements Project (Proposed Project).

1.2 PROJECT LOCATION

The City of Pasadena (City) is approximately 10 miles northeast of downtown Los Angeles in the County of Los Angeles. Regional access to Pasadena is provided by State Route (SR) 134, Interstate 210 (I-210), and State Route 110 (SR-110). Located at 1133 Rosemont Avenue, the Project Site is just west of I-210 and north of SR-134. Local access to the Project Site is provided from Rosemont Avenue, Seco Street, Salvia Canyon Road, West Drive, West Washington Boulevard, and Rose Bowl Drive. Project improvements would occur on 16 acres within the existing driving range, Hole 10 of the C.W. Koiner Course, and Holes 6 and 7 of the E.O. Nay Course (Project Site).

1.3 PROJECT SUMMARY

The Project consists of two main components within the approximate 16-acre Project Site: (1) reorient and expand the existing driving range toward the north; and (2) develop a new miniature golf course adjacent to the west of the proposed driving range. These elements, including operational and construction details, are described in detail below. A conceptual layout for the Project components is shown in Figure 3, Driving Range and Miniature Golf Conceptual Site Plan and would require the relocation of Hole 10 of the C.W. Koiner Course, shortening of Hole 6 and Hole 7 of the E.O. Nay Course, and relocation of an existing golf cart path.

1.4 ENVIRONMENTAL IMPACTS

1.4.1 Impacts Considered Less Than Significant

During preparation of the Initial Study, the RBOC determined that 16 environmental impact categories have no impact or a less than significant impact. These categories are not discussed in detail in this IS/MND.

- Agriculture and Forestry Resources
- Air Quality
- Energy
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Mineral Resources
- Noise
- Population and Housing
- Public Services

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- Recreation
- Utilities and Service Systems
- Wildfire

1.4.2 Potentially Significant Adverse Impacts That Can Be Mitigated

The IS/MND determined that four environmental factors would have potentially significant impacts without mitigation.

- Aesthetics
- Biological Resources
- Cultural Resources
- Tribal Cultural Resources

1.4.3 Unavoidable Significant Adverse Impacts

Unavoidable adverse impacts may be considered significant on a project-specific basis, cumulatively significant, and/or potentially significant. However; this IS/MND did not identify any significant and unavoidable adverse impacts, as defined by CEQA, that would result from implementation of the Proposed Project.

2. Monitoring and Reporting Requirements

2.1 MITIGATION MONITORING PROGRAM ORGANIZATION

CEQA requires that a reporting or monitoring program be adopted for the conditions of project approval that are necessary to mitigate or avoid significant effects on the environment (Pub. Resources Code, § 21081.6). The mitigation monitoring and reporting program is designed to ensure compliance with adopted mitigation measures during project implementation. For each mitigation measure recommended in the IS/MND, specifications are made herein that identify the action required and the monitoring and reporting that must occur. In addition, a responsible agency is identified for verifying compliance with individual conditions of approval contained in the Mitigation Monitoring and Reporting Program. To effectively track and document the status of mitigation measures, a mitigation matrix has been prepared (see Table 2-1, *Mitigation Monitoring Requirements*).

2. Mitigation Monitoring Process

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2. Mitigation Monitoring Process

Table 2-1 Mitigation Monitoring Requirements

Mitigation Measure	Responsibility for Implementation	Timing	Responsibility for Monitoring	Monitor (Signature Required) (Date of Compliance)
3.1. AESTHETICS				
AES-1 Upon design of the Project, including both miniature golf and driving range lighting fixtures, RBOC shall prepare a quantified lighting study to confirm that final lighting configurations will not exceed 1.0 foot candle from the property line. Prior to installation of final lighting features, RBOC shall conduct a directional lighting test to further determine no exceedance of 1.0 foot candle of light spill.	Rose Bowl Operating Company	During design of the Proposed Project	Rose Bowl Operating Company	
3.4 BIOLOGICAL RESOURCES				
BIO-1 If construction activities occur within the bird nesting season (generally defined as February 15 through September 15), a qualified biologist shall conduct a nesting bird survey within 3 days prior to the proposed start date, to identify any active nests (including Cooper's hawk) within 500 feet of the project site. If an active nest is found, the nest shall be avoided, and a suitable buffer zone shall be delineated in the field such that no impacts shall occur until the chicks have fledged the nest as determined by a qualified biologist. Construction buffers shall be 300 feet for passerines and up to 500 feet for any raptor species; however, avoidance buffers may be reduced at the discretion of the biologist, depending on the location of the nest and species tolerance to human presence and construction-related noises and vibrations.	Construction Contractor, Rose Bowl Operating Company, Qualified Biologist	Prior to the commencement of construction activities	Rose Bowl Operating Company	
BIO-2 To minimize potential indirect impact to nesting birds that may utilize ornamental/landscape vegetation onsite and/or wildlife movement along the Arroyo Seco, nighttime lighting associated with the driving range and miniature golf course shall be shielded downward to limit spillage onto these sensitive receptors.	Rose Bowl Operating Company	Prior to construction of each the Proposed Project	Rose Bowl Operating Company	

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3.5 CULTURAL RESOURCE				
<p>CUL-1 To ensure that the ultimate Project design is executed to achieve a maximum level of compatibility with the Pasadena Arroyo Park and Recreational District, RBOC shall retain a qualified historic preservation professional to ensure that alterations to the driving range, design of the miniature golf course, and overall modifications to the C.W. Koiner and E.O. Nay Courses are compatible with the existing Brookside Golf Course landscape, the Pasadena Arroyo Park and Recreational District, and the policies set forth in the Arroyo Seco Design Guidelines including Section 3.2, "Public Use Structures". This will include consideration of design elements including but not limited to the form and materials of new circulation paths and driving bays; the placement, dimensions and materiality of driving range netting support poles; netting color and transparency; and lighting placement, brightness, and intensity. Design issues to be considered by the qualified historic preservation professional for the miniature golf course include but are not limited to grading and topographic changes; new plantings, trees, and vegetation; the scale, form, and materiality of theme features; perimeter fencing and security/safety elements; signage and wayfinding; and lighting placement, brightness, and intensity.</p>	<p>Rose Bowl Operating Company, Historic Preservation Professional</p>	<p>During design of the Proposed Project</p>	<p>Rose Bowl Operating Company</p>	
<p>CUL-2 Prior to the initiation of any earthmoving activity in which native soil is disturbed (as defined in the future geotechnical investigation that will be prepared for the Project Site), the RBOC shall be responsible for retaining a qualified archaeologist to observe grading activities and to salvage and catalogue archaeological resources, as necessary.</p>	<p>Construction Contractor, Rose Bowl Operating Company, Qualified Archaeologist</p>	<p>During construction activities</p>	<p>Rose Bowl Operating Company</p>	

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<p>Mitigation Measure TCR-1 below also requires a Native American Monitor during all ground disturbing activity. If historical or unique archaeological resources are discovered during construction activities, all work shall stop, and a qualified archaeologist would be retained to make an evaluation of significance of the resource. If it is determined to be historical or a unique archaeological resource, or if the discovery is not historical or unique but the archaeologist determines the possibility of further discoveries, a monitoring program shall be prepared and implemented for the remainder of the earthwork activities. Additionally, if archaeological resources that could be of Native American importance, or Native American resources are discovered, Mitigation Measures MM-TCR-1, 2 and 3 would be implemented.</p>				
3.18 TRIBAL CULTURAL RESOURCES				
<p>TCR-1 A. The RBOC and/or its contractor shall retain a Native American monitor from or approved by the Gabrieleño band of Mission Indians – Kizh Nation (Kizh or Tribe). The monitor shall be retained prior to the commencement of any ground disturbing activity at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). Ground disturbing work shall include but is not limited to demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching.</p>	<p>Construction Contractor, Rose Bowl Operating Company, Native American Monitor</p>	<p>Prior to the commencement of construction activities</p>	<p>Rose Bowl Operating Company</p>	

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<p>B. A copy of the executed monitoring agreement shall be provided to the lead agency prior to the earlier of the commencement of any ground-disturbing activity for the project, or the issuance of any permit necessary to commence a ground-disturbing activity.</p> <p>C. The monitor shall complete daily monitoring logs that will provide descriptions of the relevant ground disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs shall identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs shall be provided to the RBOC agency upon written request.</p> <p>D. Onsite tribal monitoring for the project shall conclude upon the latter of the following: (1) written confirmation to the Kizh from a designated project point of contact that all ground-disturbing activities and all phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the RBOC that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact TCRs.</p>				

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<p>E. Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural and/or historic purposes.</p> <p>F. The RBOC and/or it's contractor shall provide the Tribe with a minimum of 30 days advance written notice of the commencement of any project ground-disturbing activity so that the Tribe has sufficient time to secure and schedule a monitor for the project.</p> <p>G. The RBOC and/or it's contractor shall hold at least one (1) pre-construction sensitivity/educational meeting prior to the commencement of any ground-disturbing activities, where at a senior member of the Tribe will inform and educate the project's construction and managerial crew and staff members (including any project subcontractors and consultants) about the mitigation measures and compliance obligations, as well as places of significance located on the project site (if any), the appearance of potential TCRs, and other informational and operational guidance to aid in the project's compliance with the TCR mitigation measures.</p>				
<p>TCR-2. A. Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave</p>	<p>Construction Contractor, Rose Bowl Operating Company, Native American Monitor</p>	<p>During construction activities</p>	<p>Rose Bowl Operating Company</p>	

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<p>goods in Public Resources Code Section 5097.98, are also to be treated according to this statute.</p> <p>B. Health and Safety Code Section 7050.5 dictates that any discoveries of human skeletal material shall be immediately reported to the County Coroner and all ground-disturbing activities shall immediately halt and shall remain halted until the coroner has determined the nature of the remains. If the coroner recognizes the human remains to be those of a Native American or has reason to believe they are Native American, he or she shall contact, by telephone within 24 hours, the Native American Heritage Commission, and Public Resources Code Section 5097.98 shall be followed.</p> <p>C. Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2).</p> <p>D. Construction activities may resume in other parts of the project site at a minimum of 200 feet away from discovered human remains and/or burial goods, if the Kizh determines in its sole discretion that resuming construction activities at that distance is acceptable and provides the project manager express consent of that determination (along with any other mitigation measures the Kizh monitor and/or archaeologist deems necessary). (CEQA Guidelines Section 15064.5(f).)</p> <p>E. Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods. Any historic archaeological material that is not Native American in origin (non-TCR) shall be curated at a public, non-profit institution with a</p>				

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<p>research interest in the materials, such as the Natural History Museum of Los Angeles County or the Fowler Museum, if such an institution agrees to accept the material. If no institution accepts the archaeological material, it shall be offered to a local school or historical society in the area for educational purposes.</p> <p>F. Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.</p>				
<p>TCR-3. A. If determined to be the Most Likely Descendant (“MLD”), the Koonas-gna Burial Policy shall be implemented. To the Tribe, the term “human remains” encompasses more than human bones. In ancient as well as historic times, Tribal Traditions included, but were not limited to, the preparation of the soil for burial, the burial of funerary objects with the deceased, and the ceremonial burning of human remains.</p> <p>B. If the discovery of human remains includes four (4) or more burials, the discovery location shall be treated as a cemetery and a separate treatment plan shall be created.</p> <p>C. The prepared soil and cremation soils are to be treated in the same manner as bone fragments that remain intact. Associated funerary objects are objects that, as part of the death rite or ceremony of a culture, are reasonably believed to have been placed with individual human remains either at the time of death or later, as well as other items made exclusively for burial purposes or to contain human</p>	<p>Construction Contractor, Rose Bowl Operating Company, Native American Monitor</p>	<p>During construction activities</p>	<p>Rose Bowl Operating Company</p>	

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<p>remains. Cremations shall either be removed in bulk or by means necessary to ensure complete recovery of all sacred materials.</p> <p>D. In the case where discovered human remains cannot be fully documented and recovered on the same day, the remains shall be covered with muslin cloth and a steel plate that can be moved by heavy equipment placed over the excavation opening to protect the remains. If this type of steel plate is not available, a 24-hour guard should be posted outside of working hours. The Tribe will make every effort to divert the project while keeping the remains in situ and protected. If the project cannot be diverted, it may be determined that burials shall be removed.</p> <p>E. In the event preservation in place is not possible despite good faith efforts by the RBOC, before ground-disturbing activities may resume on the project site, the landowner shall arrange a designated site location within the footprint of the project for the respectful reburial of the human remains and/or ceremonial objects. The site of reburial/repatriation shall be agreed upon by the Tribe and the RBOC and shall be protected in perpetuity.</p> <p>F. Each occurrence of human remains and associated funerary objects shall be stored using opaque cloth bags. All human remains, funerary objects, sacred objects and objects of cultural patrimony will be removed to a secure container on site if possible. These items shall be retained and shall be reburied within six months of recovery. The site of reburial/repatriation shall be on the project site but at a location agreed upon between the Tribe and the landowner at a site to be</p>				

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<p>protected in perpetuity. There shall be no publicity regarding any cultural materials recovered.</p> <p>G. The Tribe shall work closely with the project's qualified archaeologist (see MM-CUL-2) to ensure that the excavation is treated carefully, ethically and respectfully. If data recovery is approved by the Tribe, documentation shall be prepared and shall include (at a minimum) detailed descriptive notes and sketches. All data recovery data recovery-related forms of documentation shall be approved in advance by the Tribe. If any data recovery is performed, once complete, a final report shall be submitted to the Tribe and the NAHC. The Tribe does NOT authorize any scientific study or the utilization of any invasive and/or destructive diagnostics on human remains.</p>				

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