HEAD-ROYCE SCHOOL
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1.0 Introduction
   Project Location and History
   Project Site and Surrounding Area
   Brief Project Summary

2.0 Process and Required Approvals for PUD Permit
   PUD Permit Criteria
   PUD Permit Regulations

3.0 General Planning and Zoning
   General Plan and Zoning
   Land Use

4.0 Existing Conditions
   Existing Property Ownership
   Existing Traffic and Parking
   Existing Buildings
   Existing Landscape and Planting

5.0 Preliminary Development Plan for the Site
   Proposed New and Renovated Structures
   Architectural Character
   Performing Arts Center
   Vehicular Access and Circulation
   Parking
   Lincoln Avenue Alignment
   Pedestrian Circulation
   The Link
   Proposed Landscape Design and Commons
   Tree Inventory
   Site Grading and Cut/Fill Analysis
   Proposed Utilities
   Sustainable Design Features
   Project Construction
   Approvals and Coordination
   Project Renderings
1.0 INTRODUCTION

Project Location and History

Founded in 1887, the Head-Royce School is the oldest Bay Area independent co-educational college preparatory day school for students in kindergarten through the 12th grade. The School is located in Oakland’s Lincoln Highlands-Oakmore-Dimond district.

Consistently ranked as a top-tier independent school in the US (Wall Street Journal, Niche, Business Insider, among others), Head-Royce currently enrolls approximately 881 students, and it employs 100 teaching faculty members and approximately 65 professional and administrative staff. The School operates year-round with a summer program serving approximately 780 children per three-week session and offering a range of academic and recreational activities. The majority of the summer school children attend Oakland public schools or other East Bay independent schools. Additionally, Head-Royce offers “Heads Up,” an academic enrichment program for college-bound students of color from the Oakland public school system. Heads Up currently serves 120 students annually through a six-week intensive summer program and Saturday sessions during the school year.

The School has been on its current site, a 14-acre campus set in a ravine of the Oakland Hills, bounded by Whittle Avenue on the north and Lincoln Avenue to the south, since 1964. The current campus consists of 12 buildings, including those for classroom and administrative functions, a gymnasium, a small auditorium, a library, and a café; a 30’ by 60’ swimming pool; various outdoor play areas; a multi-purpose sports field; and three outdoor tennis courts.

In 2013, Head-Royce acquired the 8-acre, former Lincoln Child Center (LCC) campus located at 4368 Lincoln Avenue, directly across the street from the existing campus of the School. 4368 Lincoln is located on a sloped site, with as much as 56’ of elevation change across the parcel. Founded as the Lincoln Home for Children in 1883, the organization operated a residential facility for orphans and abandoned children at the site from 1928. The name changed to the Lincoln Child Center (LCC) and continued operations as a state-licensed treatment center for emotionally disturbed children aged 5 through 15. From 1971 through approximately 1979, a portion of the LCC campus was used by the Royce School for Boys, which subsequently merged with the Anna Head School for Girls and relocated to 4315 Lincoln to form the current coeducational Head-Royce School.

In 2016, the City of Oakland amended the School’s planned unit development (PUD) permit to allow a maximum enrollment of 906 students at its current campus. In 2018, the City of Oakland again amended the PUD permit to allow Head-Royce athletic teams to use an existing playfield located at 4500 Lincoln for practices.

In addition to its primary campuses, the School owns several adjacent buildings on Lincoln and Whittle Avenues that are used as residences for faculty and staff. The existing PUD requires these houses to be used as residences. No change in use for these residences is proposed and they are not considered to be part of the campus.

Introduction

This document constitutes the application for the Preliminary Development Plan (“PDP”) portion of the amendment of the Planned Unit Development (“PUD”) permit for the Head-Royce School and addresses the integration of the proposed South Campus in the existing Head-Royce School campus, as well as certain ancillary facilities within the School’s existing North Campus per Oakland Planning Code (“OPC”) Section 17.140.020. The applicant, Head-Royce School, is submitting additional applications to the City of Oakland related to the Head-Royce School PUD permit amendment application, including:

- Tree Removal and Preservation Permit Application
- Conditional Use Permit Application
- Design Review Application
- Major Encroachment Permit Application

The supplemental applications listed above are relevant to this PUD permit amendment application and are referenced in this document.

Project Site and Surrounding Area

The South Campus parcel is located on the south side of Lincoln Avenue, a major arterial road connecting I-580 to Highway 13. The area is generally residential in character. Several institutional/civic uses are located immediately to and east of the South Campus, including Ability Now Bay Area (formerly the Cerebral Palsy Center) and the East Bay Agency for Children. Further to the east on Lincoln Avenue are the Greek Orthodox Cathedral and the Mormon Temple. West and south of the South Campus parcels are single family residences. For purposes of this Project description, a convention is adopted that Lincoln Avenue runs east-west and Highway 13 runs north-south.
Brief Project Summary

The Project proposes to integrate the existing Head-Royce School, or “North Campus,” with a new “South Campus” and to create a unified 22-acre school. The Project proposes either an underground link below Lincoln Avenue between the campuses or an at-grade crossing; an internal pick-up and drop-off road; the rehabilitation and reuse of four existing buildings, three of which retain historical character-defining features; demolition of eight non-historic structures; construction of a 1,500 square foot Link Pavilion; construction of a 15,900 square foot multi-use Performing Arts Center for up to 450 seats; and the addition of 61 spaces to total 344 on-site parking spaces on the Head-Royce Campus. The maximum student population will be 1,250 students, an increase of 344 students over currently allowed enrollment. As part of this enrollment increase, the School may offer a pre-kindergarten option. Limited new construction is proposed on the North Campus, including the accommodation of the north end of the underground link.

Figure 1.01: Project Location
PUD Permit Regulations

Section 1742.020 of the Oakland Planning Code establishes the regulations that govern PUD permits. The purposes of a PUD permit and these regulations is to encourage the comprehensive planning of larger tracts of land to provide flexibility in the application of certain regulations in a manner consistent with the general purposes of the zoning regulations and to promote a "harmonious variety of uses, the economy of shared services and facilities, compatibility with surrounding areas, and the creation of attractive, healthful, efficient, and stable environments for living, shopping, or working." Major amendments to a previously issued PUD permit are processed in the same manner as a PUD permit. (OPC, § 17140.110.) Under Section 1742.020, a PUD permit application must be accompanied by the following:

1. A preliminary development plan (PDP) showing the character of the entire development (See Section 5.0 of this application);
2. A tabulation of the land area to be devoted to various uses and a tabulation of gross floor area to be devoted to various uses (See Section 5.0/Tables 5.01 and 5.02);
3. A stage development schedule demonstrating that applicant intends to commence construction within one year after the approval of the final development plan;
4. Schedule of submission of the final development plan.

Later in the review process, as more detailed plans are prepared, the applicant anticipates submitting a Final Development Plan (FDP) for simultaneous approval with the PDP. Both the PDP and the FDP will seek approval of phased increases in enrollment. If construction of additional stacked or structured parking is necessary to accommodate increases in enrollment, a later phase FDP for that additional parking will be submitted. All FDPs will include:

1. Location of water, sewage, and drainage facilities;
2. Detailed building and landscaping plans and elevations;
3. The character and location of signs;
4. Plans for street improvements; and
5. Grading and earth-moving plans.

PUD Permit Criteria

The Project meets the permit criteria for a PUD as defined in Oakland Planning Code Section 17140.080 in addition to the PUD development regulations included in Chapter 17.142. The PUD permit criteria are as follows:

1. That the location, design, and uses are consistent with the Oakland General Plan and with any other applicable plan, development control map, design guidelines, or ordinance adopted by the City Council or Planning Commission;

2. That the location, design, and size are such that the development can be well integrated with its surroundings, and, in the case of a departure in character from surrounding uses, that the location and design will adequately reduce the impact of the development;

3. That the location, design, size, and uses are such that traffic generated by the development can be accommodated safely and without congestion on major streets and will avoid traversing other local streets;

4. That the location, design, size, and uses are such that the residents or establishments to be accommodated will be adequately served by existing or proposed facilities and services;

5. That the location, design, size, and uses will result in an attractive, healthful, efficient, and stable environment for living, shopping, or working, the beneficial effects of which environment could not otherwise be achieved under the zoning regulations; and

6. That the development will be well integrated into its setting, will not require excessive earth moving or destroy desirable natural features, will not be visually obtrusive and will harmonize with surrounding areas and facilities, will not substantially harm major views for surrounding residents, and will provide sufficient buffering in the form of spatial separation, vegetation, topographic features, or other devices.
The PUD is consistent with the City’s General Plan and the zoning designation of the Project site.

Previously Issued Entitlements

The City approved the PUD permit in 2006 for the development and operation of the North Campus (4315 and 4465 Lincoln Avenue), which currently governs the use of the North Campus for school activities up to an enrollment of 906 students during the school year and 780 students during the summer. The PUD was amended in 2016 for modification to enrollment allowance and again in 2018 for the incorporation of the use of 4510 Lincoln as a playfield for school athletic practices. This application would further amend the PUD in its current form for development of the proposed South Campus and the associated integration with the North Campus of the Head-Royce School. In 1998, the City issued a conditional use permit for use of 4368 Lincoln Avenue to operate a residential campus for emotionally challenged children, and the site was used for that purpose until approximately 2015.

General Plan Conformity Guidelines

The Oakland General Plan is comprised of numerous elements, including but not limited to, the Land Use and Transportation Element (LUITE), the Open Space Conservation and Recreation Element (OSCAR), the Housing Element, Safety Element, and the Historic Preservation Element. Both the City’s General Plan and case law interpreting general plan requirements recognize that the general plan is a collection of competing goals and policies, which must be read together as a whole, and not in isolation. In reviewing the Project for conformity with the General Plan, the City is required to balance these competing goals and policies. Case law has determined that a project “need not be in perfect conformity with each and every policy,” and that “no project could completely satisfy every policy stated in the General Plan, and state law does not impose such a requirement.” (Sequoyah Hills Homeowners Association vs. City of Oakland (1993) 23 Cal.App.4th 704.)

Project Conformity with the General Plan

The South Campus, where the bulk of the construction is proposed, has a General Plan designation of Institutional (See Figure 3.01). Under the General Plan, the Institutional land use classification is intended to create, maintain, and enhance areas appropriate for educational facilities, cultural, and institutional uses, health services and medical uses, as well as other uses of similar character. The maximum FAR for this classification is 8.0. The proposed Project is substantially below this limit and approximately half of the current FAR of the North Campus. Policies that support the Institutional classification are Neighborhood Objectives N2 and N5.

The Project’s proposed educational facilities use is consistent with the Institutional General Plan land use classification and the objectives that support it, and it is consistent with the intensity of use of the property for the last 90 years. The Project would update the South Campus to serve educational uses at intensity below 8.0 FAR. Further, the Project is consistent with Neighborhood Objective N2 and its supporting policies:

- Objective N2 states: Encourage adequate civic, institutional, and educational facilities located within

Figure 3.01: General Plan Designation
Oakland, appropriately designed and sited to serve the community. The Project expands the educational and arts facilities in Oakland through the sensitive redesign of the South Campus that rehabilitates the best of the existing buildings and adds new facilities that address today's educational needs and provides a new community arts and gathering space. The new structures are designed to work with the existing campus, but not to mimic it so it is clear which buildings are old and which are new, and sited to allow easy and safe access to the Performing Arts Center.

- **Policy N2.1 states: Designing and Maintaining Institutions:** As institutional uses are among the most visible activities in the City and can be sources of community pride, high-quality design and upkeep/maintenance should be encouraged. The facilities should be designed and operated in a manner that is sensitive to surrounding residential and other uses. The Project would result in the maintenance and improvement of the South Campus. The Project retains and repurposes four buildings on the South Campus. In addition, the Project adds two new high-quality, energy efficient buildings designed to meet LEED Gold standards. As discussed above, the buildings and site are designed and would be operated in a manner that is sensitive to surrounding residential uses.

- **Policy N2.5 states: Balancing City and Local Benefits of Institutions:** When reviewing land use permit applications for the establishment or expansion of institutional uses, the decision-making body should take into account the institution's overall benefit to the entire Oakland community, as well as its effects upon the immediately surrounding area. The Project would benefit the City by adding an additional community facility and expanding HRS's enrollment, its summer program, and its Heads Up program, thereby allowing HRS to accept more of the many students (many from Oakland) who seek to go there. As discussed above, the Project would resolve some of the past conflicts between HRS's operations and residents by creating enough space to allow drop-off and pick-up operations to occur entirely within the South Campus.

The North Campus, where only minimal work is proposed, has the General Plan designations of Hillside Residential and Detached Unit Residential. The Hillside Residential designation is intended for low-density neighborhood residential uses. The Detached Unit Residential designation is intended for residential areas with single-family homes, with appropriate allowances for schools and other small scale civic institutions. An existing Planned Unit Development Permit governs the allowed land uses on the North Campus, permitting institutional uses. The proposed changes to the North Campus consist of the opening for the pedestrian tunnel and would not intensify the institutional uses on that site.

In sum, the Project's location, design, size, and uses are consistent with the Oakland General Plan.

Figure 3.02: Zoning Diagram
Project Conformity with Zoning Controls

The South Campus, where the bulk of the construction is proposed, is zoned RD-1 (See Figure 3.02). Under the City’s Planning Code, the RD-1 district is intended to accommodate detached, single unit structures and a limited range of commercial uses. The North Campus is zoned RH-4 (See Figure 3.02). The RH-4 district is intended to create, maintain, and enhance areas for single-family dwellings on minimum lot sizes of 6,500 to 8,000 square feet and a limited range of civic uses, and is typically appropriate in already developed areas of the Oakland Hills.

K-12 schools are classified as a Community Education Civic Use in the City’s Planning Code. (OPC, § 17.10.180.) Community Education Civic Uses are conditionally permitted in the RH-4 and RD-1 zones. (OPC, § 17.13.030, Table 17.13.01; § 17.15.030, Table 17.15.01.) In the RD-1 zoning district, where the bulk of new development would occur, the minimum lot size is 5,000 square feet and maximum height is 30 feet for structures located on lots with a footprint slope of less than 20 percent and between 35 to 40 feet for structures located on lots with a footprint slope equal to or greater than 20 percent. (OPC, § 17.15.050, Tables 17.15.03 and 17.15.06.) Civic facilities developed in the RD-1 zoning district are conditionally permitted to exceed the applicable height limits up to a height of 75 feet. (OPC, § 17.108.020.)

Uses and structures that are conditionally allowed under the zoning code are also allowed through processing of a PUD. (OPC, § 17.134.110.) Whenever a conditional use permit is required for a proposal also requiring a planned unit development permit, the City must confirm that the Project conforms to the applicable use permit criteria. (OPC, § 17.134.110.) The Project conforms to the applicable use permit criteria. (See OPC, § 17.134.050.)

The Project would result in approximately 900 net new square feet on the South Campus and therefore is in keeping with the overall size of development that has historically been on the campus. The Performing Arts Center would be taller than the buildings to be demolished due to the unique height requirements of theater space, which require a ceiling high enough to allow full-height backdrops to be raised out of view, sloped floors, and adequate space above the ceiling and under the roof to accommodate the complex sound, lighting, and mechanical systems necessary for stage performances. However, it would only be approximately two feet taller than the adjacent two buildings. The Project would comply with all applicable Regular Design Review criteria.

The Project’s location, design, size, and uses are consistent with the zoning and design controls under the City’s Planning Code.
4.0 EXISTING CONDITIONS

Project Ownership

The Project site consists of the following Alameda County assessor parcel numbers, each of which is owned by the Head-Royce School:

- 29-1009-6: 4368 Lincoln Avenue
- 29A-1367-4-4: 4315 Lincoln Avenue
- 29A-1367-1-14: 4465 Lincoln Avenue

Additionally, the following parcel, owned by Ability Now Bay Area, is used by the School:

- 29-1009-10-5: 4500 Lincoln Avenue

Land Use and Zoning Designations

As noted above, the School owns two properties on Lincoln Avenue: 4315 Lincoln (North Campus) and 4368 Lincoln (South Campus) and has a long-term lease for use of the playfield at 4500 Lincoln. A school and/or institutional use have been located at 4315 Lincoln since at least 1964, at 4368 Lincoln since at least 1929, and at 4500 Lincoln since the 1950s.

Existing Properties

4315 Lincoln Avenue (North Campus) is used as a K-12 school. It is designated Hillside Residential and Detached Unit Residential in the general plan and is zoned RH4. A PUD permit, most recently amended in 2016 (for enrollment) and 2018 (for the inclusion of use of 4500 Lincoln, see below) governs use of the site for school activities up to an enrollment of 906 students during the school year and 780 students during the summer.

4368 Lincoln Avenue (South Campus) is designated Institutional in the General Plan and zoned RD-1. In 1998, the City granted a conditional use permit to operate a residential campus for emotionally disturbed children, and the site was used for that purpose until approximately 2015. The Institutional designation is intended for areas with institutional uses, including educational, cultural, and health services and medical uses. The RD-1 zone is intended for areas with detached, single unit structures and a limited number of commercial uses. The minimum lot size is 5,000 square feet in the RD-1 zone.

4500 Lincoln Avenue is used by Head-Royce, per its PUD, as a playfield for school athletic practices. The parcel is the current site of Ability Now Bay Area, formerly the Cerebral Palsy Center. 4500 Lincoln is designated Institutional in the General Plan and zoned RD-1.
Independent schools are classified as a Community Education Civic Use in the Oakland Planning Code ("OPC" § 17.10.180). Community Education Civic Uses are consistent with both the Hillside Residential and Institutional general plan designations and conditionally allowed in both the RH-4 and RD-1 zones under Oakland’s Planning Code. Community Assembly uses, such as those that are proposed for the Performing Arts Center, are also conditionally allowed in the RD-1 zone.

Existing Site Conditions

The parcels forming 4368 Lincoln are situated on gently hilly terrain that generally slopes up from southwest to northeast with a 56° change in grade across the site. The site is accessed from three points along Lincoln Avenue: at the northeast corner of the site for access to the upper parking lot, mid-parcel for access to a shallow loading dock and service yard, and at the northwest corner for access to the lower parking lot. Additionally, emergency access to the site is available through Charleston Street. No through traffic is allowed at this emergency access point.
Existing Traffic

Currently, Head-Royce students are dropped off and picked up along Lincoln Avenue and enter the North Campus through the School’s Gatehouse. The School is served by three AC Transit bus lines and five buses operated by a private company. Drop-off occurs on both sides of Lincoln Avenue; pick-ups (except for buses) are required to take place on the north side of Lincoln. A crossing guard assists pedestrians across Lincoln Avenue at a signalized crosswalk.

Drop-off and pick-up occur chiefly during the School’s morning peak period of 8:00-8:30 am and its afternoon peak period 3:15-3:45 pm. Westbound drivers desiring to turn around on Lincoln are directed to use “The Loop,” which consists of a left turn on Aida, a right turn on Laguna, a right turn on Potomac, and then another right turn on Lincoln Avenue. The existing loop is depicted in Figure 4.02.

Service to 4315 Lincoln is accessed from Whittle Street, with restrictions of use defined in the School’s current PUD permit. Service to 4368 Lincoln is directly on Lincoln, as well as accessed from the driveway located in the northeast corner (uphill).

Lincoln Avenue traffic is managed by two City of Oakland traffic signals adjacent to the site. One signal is located at the entrances to the Head-Royce east parking lot and Ability Now Bay Area. The second signal manages the pedestrian crossing located near the Head-Royce Gatehouse.

Figure 4.02: Existing Traffic Loop
Existing Parking

The School currently has 154 off-street parking spaces on the North Campus and 129 off-street parking spaces on the South Campus.

Table 4.01 Existing Parking Summary

<table>
<thead>
<tr>
<th>North Campus</th>
<th>Cars</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lot E</td>
<td>20</td>
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<tr>
<td>Lot F</td>
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<tr>
<td>Subtotal North</td>
<td>154</td>
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<table>
<thead>
<tr>
<th>South Campus</th>
<th>Cars</th>
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</thead>
<tbody>
<tr>
<td>Lot A</td>
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<td>45</td>
</tr>
<tr>
<td>Lot D</td>
<td>62</td>
</tr>
<tr>
<td>Subtotal South</td>
<td>129</td>
</tr>
</tbody>
</table>

Total Existing Parking 283

Figure 4.03: Existing On-Campus Parking Locations
Existing Buildings

There are three buildings located at 4368 Lincoln Avenue that are not listed on any historic registers but may be distinctive examples of the Spanish Colonial Revival style. These three buildings are proposed to be rehabilitated and reused, with substantial interior renovation. Some minor exterior alterations may be required to meet the School’s programmatic needs. The buildings are currently in fair condition on the exterior and poor on the interior. All three of the buildings have been altered on both the interior and exterior since they were constructed. Other newer buildings are located to the east and southeast of the subject buildings.

Building 0 (aka Junior Alliance Hall) is a wood frame building designed in the Spanish Colonial Revival style. It has an L-shaped plan consisting of a southwest-northeast elevation and a northwest-southeast elevation. The building is one story high and 4,500sf with a partial basement that is an additional 1,650sf. This building was constructed in 1935 as an auditorium and gymnasium with administrative offices and designed by W.G. Corlett. The southwest-northeast elevation is double-height for the auditorium and topped by a gable roof clad with red clay tile, while the northwest-southeast wing is shorter and has a flat roof surrounded by a low parapet with red clay tile coping. The entire building is clad with stucco and has primarily steel-sash windows and flush wood doors.

Building 1 (aka Mary A. Crocker Cottage) is a wood frame building designed in the Spanish Colonial Revival style. It is rectangular in plan. The building is 6,450sf over two stories with a partial basement that is an additional 700sf. This building was designed by Reed & Corlett and constructed in 1929 as a dormitory for children. This building is topped by a gable roof of red clay tile. The entire building is clad with stucco and has primarily aluminum sash windows and flush wood doors.

Almost identical to Building 1, Building 2 (aka Grace L. Trevor Cottage) is a wood frame building designed in the Spanish Colonial Revival style. It is rectangular in plan. The building is 6,500sf over two stories plus a 700sf basement accessed through a crawl space on the north façade. The building was designed by Reed & Corlett and constructed in 1929 as a dormitory for children. This building is topped by a gable roof of red clay tile. The entire building is clad with stucco and has primarily aluminum sash windows and flush wood doors.

The buildings are described in Oakland’s historic building rating system as Potentially Designated Historic Properties (PDHPs) with a rating of C3, meaning they are of “secondary importance” and not located in an historic district.

Figure 4.04: Proposed Renovation and Demolition
For Buildings 3 and 4, demolition is proposed. Building 3 is a 1,142sf portable classroom building. It was built in 1990 and is not considered to be historic. Building 4 (aka the Linnet/Ethel Moore Cottage) is a small administrative building of 2,068sf. This building has a post and pier foundation, a stucco exterior, and a composition shingle roof. This is a one-story wood frame building. It was built in the late 1960s and is not considered to be historic.

Demolition of Building 5 (aka the Maintenance Building) is proposed. It is a 1,225sf wood frame building with a slab foundation. A driveway leads from Lincoln Avenue to this garage-like building. The building has a small storage mezzanine, a stucco exterior, and a tar and gravel roof. This structure has two roll-up garage doors and a laundry sink. It was built in the late 1960s and is not considered to be historic.

Demolition of Building 6 (aka Bushell Cottage) is proposed. Building 6 is a one-story, 5,769sf wood frame building. It was used as a living quarters and consists mostly of bedrooms. This building has a composition shingle roof, stucco exterior walls, and a slab foundation. The interior has a fiberglass ceiling, plywood walls and tile floor. It was built in the late 1950s and is not considered to be historic.

Demolition of Building 7 (aka Bushell Kitchen and Dining Hall) is proposed. Building 7 is an irregularly shaped, one-story, 1,475sf wood frame cafeteria building. It is attached to Bushell Cottage by a 5’-4” wide enclosed corridor. It has a slab foundation, composition shingle roof, and wood exterior. The interior has a tile floor, fiberglass composition ceiling and wood walls. This building has a fireplace and an attached large outdoor BBQ. It was built in the late 1950s and is not considered to be historic.

Demolition of Building 8 (aka Charleston House or Holmgren) is proposed. Building 8 is 3,024sf one-story wood frame building. It was built as a residence hall for 10 children and was used as an elementary school for many years. The structure has a slab foundation, stucco exterior and a composition shingle roof. Its date of construction is unknown.

Building 9 (aka Champlin House) is a 6,850sf one-story wood frame building. It was built as a residence hall. The structure has a slab foundation, stucco exterior, and a composition shingle roof. It was built in 1999 and is not considered to be an historic resource. This building is proposed to be retained and rehabilitated for either classroom or administrative use.

Demolition of Building 10 (aka the Garage) is proposed. Building 10 is an 825sf detached, one-story, three-car, wood frame building. It was built in the late 1960s and is not considered to be historic.

Demolition of Building 11 is proposed. Building 11 is a 700sf storage shed.

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**Table 4.02 Existing Area Summary**

<table>
<thead>
<tr>
<th>Proposed Renovation</th>
<th>Area (SF)</th>
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<tbody>
<tr>
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<td>1,420</td>
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<tr>
<td>Building 4</td>
<td>2,068</td>
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<td>Building 5</td>
<td>1,225</td>
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<tr>
<td>Building 6</td>
<td>5,769</td>
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<tr>
<td>Building 7</td>
<td>1,475</td>
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<td>Building 8</td>
<td>3,024</td>
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<td>Building 9</td>
<td>6,850</td>
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<td>Subtotal Renovation</td>
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**Proposed Demolition**

<table>
<thead>
<tr>
<th>Proposed Demolition</th>
<th>Area (SF)</th>
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</thead>
<tbody>
<tr>
<td>Building 10</td>
<td>825</td>
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<tr>
<td>Building 11</td>
<td>700</td>
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<tr>
<td>Subtotal Demolition</td>
<td>16,506</td>
</tr>
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</table>

**Existing Area Total** 43,856 SF
Existing Landscape and Planting

Buildings 0 and 1 are set back and elevated above the street, with trees, low shrubs, and other greenery at the front edge of the lot, and small areas of lawn in front of the buildings. Concrete steps rise from the sidewalk to provide access to walkways that serve the buildings. A parking lot is located to the south of Building 0, with steps that ascend a small vegetated rise to Buildings 1 and 2. An asphalt playground area is located between Buildings 1 and 2; and a larger playground area, paved with asphalt and surrounded by trees and other vegetation, lies on the northeast side of the buildings. An existing informal grass playfield is located on the South Campus along the south property line, measuring approximately 58’ by 138’.

The site contains approximately 395 trees that include Coast Live Oaks, Redwoods, Eucalyptus, Pines, Cypress, Pear and Olive trees. The existing trees are of varying health, age and size. Approximately 60% are native. A small turf playfield exists on the Project’s south side.
5.0 PRELIMINARY DEVELOPMENT PLAN FOR SITE

Introduction

Site improvements include tunnel access staircases and ramps, a terraced Commons, outdoor “classrooms,” accessible outdoor spaces, surface parking, and the design of the link or at-grade crossing. Site improvements are designed to use existing usable, flatter areas of the site made clear by the removal of non-significant, older buildings. New buildings are proposed to be sited on previously disturbed areas.

Proposed New and Renovated Structures

As noted above, the Project involves the rehabilitation and reuse of the three Reed & Corlett buildings. The rehabilitation will chiefly involve interior upgrades and renovations, but it may also involve installing some new relatively minor exterior features and modifying others (such as new doors, windows or external stairways) to meet modern life-safety requirements and/or the School’s programmatic needs and design preferences. Detailed plans and elevations will be submitted as part of the Final Development Plan.

The Project also proposes renovation and reuse of Building 9, built in 1999 and originally used as a dormitory. No significant changes to the exterior of Building 9 are proposed. It is proposed to be retained, rehabilitated, and re-purposed for either classroom or administrative use.

Architectural Character

The architectural character of the new buildings on the South Campus will be of modern materials and expression but complementary to the existing Reed & Corlett buildings. Principles to be emphasized will be transparency and daylight access. Climate and energy use control will be achieved through horizontal and vertical external shades and large, overhanging roofs that will create protected porches along the edges of the Commons. Oak decks adjacent to these porches will frame the central spaces and offer views to the Bay.

Performing Arts Center

An up to 450-seat Performing Arts Center (PAC) will provide the School’s theater, dance, and music groups practice, performance and classroom space. The PAC will also be a place for the School and larger community to hold assemblies, concerts, meetings and host speakers. This building is anticipated to be approximately 32 feet in height and 16,000 sf in size. A preliminary elevation of this structure is attached as Figure 5.15.

Link Pavilion

The proposed Project includes a 1,500 square foot, 14 foot tall Link Pavilion, a one-story structure that will be a multi-use meeting room and gallery space with elevator access from the proposed tunnel/link below.

Figure 5.03: Illustrative Master Plan
### Table 5.01 Proposed Area Summary

<table>
<thead>
<tr>
<th>Renovated Buildings</th>
<th>Level</th>
<th>Area (SF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building 0</td>
<td>BL</td>
<td>1,650</td>
</tr>
<tr>
<td>Building 0</td>
<td>1</td>
<td>4,500</td>
</tr>
<tr>
<td>Building 1</td>
<td>BL</td>
<td>700</td>
</tr>
<tr>
<td>Building 1</td>
<td>1</td>
<td>3,225</td>
</tr>
<tr>
<td>Building 2</td>
<td>2</td>
<td>3,225</td>
</tr>
<tr>
<td>Building 2</td>
<td>BL</td>
<td>700</td>
</tr>
<tr>
<td>Building 9</td>
<td>1</td>
<td>6,850</td>
</tr>
<tr>
<td><strong>Subtotal Renovation</strong></td>
<td></td>
<td><strong>27,350</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>New Construction</th>
<th>Area (SF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Link Pavilion</td>
<td>1,500</td>
</tr>
<tr>
<td>Performing Arts Center</td>
<td>12,800</td>
</tr>
<tr>
<td>Performing Arts Center</td>
<td>3,100</td>
</tr>
<tr>
<td><strong>Subtotal New Construction</strong></td>
<td><strong>17,400</strong></td>
</tr>
</tbody>
</table>

| Proposed Area Total | 44,750 SF |

1 Basement levels will not count for purposes of calculating Floor Area Ratio (FAR) but are included here for informational purposes.

Figure 5.02: Proposed & Renovated Structures
Vehicular Access and Circulation

Vehicular access will be from Lincoln Avenue only. No access to the site will be allowed from Charleston Street or Linnet Avenue, although Charleston will be available for emergency vehicles. A new internal loop road running within the perimeter of the South Campus will provide approximately 1,000 feet of on-campus, off-street queuing space and create distinct drop-off and pick-up points for the Upper School and the Lower and Middle Schools. During the peak periods on school days, primary pick-up and drop-off activities (except for bus loading and unloading) will occur on the South Campus.

Access to the South Campus will be controlled by a new signalized intersection at the northeast corner of the South Campus along Lincoln Avenue. The Lincoln right-of-way will be reconfigured to accommodate a downhill left turn pocket and an uphill right turn pocket. Parallel parking spaces along the south side of Lincoln Avenue will be removed to accommodate this modification. Egress from the South Campus will be controlled by a signalized intersection at the northwest corner of the South Campus. This signal will replace that which currently controls the pedestrian crosswalk at the Head-Royce Gatehouse. The traffic signal location at the entrances to the Head-Royce east parking lot and Ability Now Bay Area will be maintained.

The loading zones for both AC Transit and private buses will be maintained on Lincoln Avenue due to the narrow width of the proposed internal loop road. However, the internal loop road will be sized to accommodate emergency vehicles.

Figure 5.03: Vehicular Access & Circulation
Parking

An estimated 25 new on-site parking spaces will be added to the existing 129 paved parking count for faculty, staff and visitors for a total parking count of 154 spaces on the South Campus. As enrollment increases, the applicant will either add stacked parking in Lot F on the North Campus (for a total of 344 parking spaces campus-wide) or will reduce parking demand by prohibiting some or all students from driving to school. Currently, approximately 90 students (juniors and seniors) have permits to drive to campus and park.

Table 5.02 Proposed Parking Summary

<table>
<thead>
<tr>
<th>Location</th>
<th>Cars</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Campus</td>
<td></td>
</tr>
<tr>
<td>Lot E</td>
<td>20</td>
</tr>
<tr>
<td>Lot F</td>
<td>170</td>
</tr>
<tr>
<td>Subtotal North</td>
<td>190</td>
</tr>
<tr>
<td>South Campus</td>
<td></td>
</tr>
<tr>
<td>Lot A</td>
<td>115</td>
</tr>
<tr>
<td>Lot B</td>
<td>39</td>
</tr>
<tr>
<td>Subtotal South</td>
<td>154</td>
</tr>
<tr>
<td>Total Proposed Parking</td>
<td>344</td>
</tr>
</tbody>
</table>

1. 36 of these parking spaces will be added through stacked parking.

Figure 5.05: Proposed Parking Plan
Figure 5.06: Proposed & Existing Lincoln Avenue Alignments
Pedestrian Circulation

Pedestrian pathways will be constructed throughout the South Campus to link existing and proposed buildings and associated open spaces. The Project proposes two options for managing primary pedestrian circulation between the North and South Campuses:

Option A: This option proposes to construct a pedestrian tunnel, “The Link,” under Lincoln Avenue to link the North and South Campuses. The Link will be an 18-foot-wide, approximately 12 feet tall pedestrian tunnel to be constructed underneath Lincoln Avenue at the approximate location indicated on Figure 5.07 & 5.08. Through the Link, the North Campus will be connected to the new internal pick-up and drop-off sequence on the South Campus.

Option B: This option proposes to retain an at-grade crossing for all pedestrian connections between the North and South Campuses. This crossing would be associated with the traffic signal controlling South Campus vehicular egress.

Figure 5.07: Pedestrian & Bicycle Circulation
Figure 5.08: Pedestrian Access & Circulation Diagram
The Link

The proposed Link alignment daylights out of the existing North Campus slope below the north side of Lincoln Avenue where the north portal will be located. The tunnel alignment extends southward from the north portal with an invert elevation increasing at a 4.8% slope, where the alignment terminates roughly 15 feet below grade at its south end. Based on the anticipated tunnel dimensions of 12 feet tall and 18 feet wide (internal dimensions), the minimum anticipated cover below Lincoln Avenue is approximately 7 feet.

Utilities

There are several utilities underlying Lincoln Avenue. Based on the available information, there is an EBMUD water main and a City of Oakland storm drain located north of the tunnel alignment. These two lines connect into the North Campus just north of the proposed Link alignment and are not expected to affect tunnel construction. Other utilities that cross the proposed alignment and underlie Lincoln Avenue consist of gas, water, electric (overhead and underground), and telecommunications.
Proposed Landscape Design

The whole natural system of the site at the South Campus of Head-Royce is proposed as a learning resource for the students and a park-like setting. Having a site like this enables landscape restoration and promotes a healthy Californian ecosystem. The site has been reshaped to accommodate, but also promote, the value of this native environment by making students aware of and evolve with spaces designed around oak groves, natural hydrology, and native vegetation. The Project proposes a central Commons, outdoor wood deck classrooms, a walking labyrinth and a series of loop trails woven throughout the site and providing access to both existing buildings and the proposed Performing Arts Center. All landscape features are designed to work with existing site topography, which creates the potential to preserve most of the native and healthy trees at site. Existing irrigated lawn will be consolidated to the Commons and surrounded by the proposed buildings. Existing shrubs will be removed and any groundcover or bare ground will be replaced with drought-tolerant perennials and grasses.

Landscaping proposed for the trails includes ADA accessible routes and other secondary paths with stairs. Along the trails will be a series of small gathering areas with seating and interpretive signage. The walking labyrinth will be grass-covered mounded earth with a gravel path, with low ground cover of native perennials and grasses. Native plantings will be used wherever feasible.

Like the North Campus, the outdoor spaces of the South Campus will be available to neighbors through key card access.

The Commons

The Project will include a terraced Commons (approximately 65 feet by 170 feet) surrounded by the existing and above described new structures. The Commons acts as a heart of campus composed of terraces integrated with perennial planting and a stepped water feature connecting rain gardens at eastern and western ends of the site. The terraced nature of the Commons connects the upper parking area and drop-off at the east end of the campus with the academic buildings and lower drop-off to the west.

Outdoor Classrooms

A series of outdoor classrooms are designed on raised wooden decks built around existing oak and eucalyptus trees on site. These spaces for outdoor learning supplement the built environment, promoting creativity, cognition and critical thinking. Research shows that exposure to nature increases children’s self-esteem, decreases stress, and leads to better academic performance. These classrooms have been designed to accommodate multiple age groups and will be themed on different elements of the Mediterranean landscape of the Bay Area.

Figure 5.12: Landscape Design
Walking Labyrinth

Design strategies such as nature learning, bioswales, and vegetable gardens will be integrated around a walking labyrinth which will provide learning experiences not achievable in traditional classroom settings. This labyrinth will be designed as a single, non-branching gravel path that winds to a special meditative space interspersed with native planting that is drought tolerant and promotes pollinator diversity. The labyrinth also acts as an interactive play space for the students.

<table>
<thead>
<tr>
<th>Use</th>
<th>Acreage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Footprint</td>
<td>0.74</td>
</tr>
<tr>
<td>Parking/Roadway</td>
<td>2.09</td>
</tr>
<tr>
<td>Open Space</td>
<td>5.03</td>
</tr>
<tr>
<td><strong>Proposed Area Total</strong></td>
<td><strong>7.86 acres</strong></td>
</tr>
</tbody>
</table>

Tree Inventory

As noted above, there are approximately 395 existing trees of varying health, age, and size, and of which 60% are native including coast live oaks and redwoods. The Project will require the removal of unhealthy trees as well as some non-native species. The plan will protect in place approximately 200 native trees— including 22 large (20-40” dbh) and 4 very large oak trees (>40” dbh). The plan proposes to relocate 9 smaller (10-20” dbh) oak trees and 45 small native trees. 33 native trees either dead or in poor condition will be removed and 107 non-native trees including many in poor condition will be removed.

Tree Replacement Plan

A tree replacement in accordance with the City of Oakland tree removal policies will be developed as part of the Final Development Plan.

![Figure 5.13: Tree Protection & Transplantation](image)
Grading and Earthwork

Grading activities will be executed to accommodate new building pads, loop road, access driveways, parking lot, plazas, and walkways. Preliminary earthwork calculations were completed using proposed road grading by the Civil Engineer and interior site elevations provided by the Landscape Architect. The resulting cut and fill values are shown in Table 5.04.

Table 5.04 Proposed Cut and Fill

<table>
<thead>
<tr>
<th>Area</th>
<th>Cut (CY)</th>
<th>Fill (CY)</th>
<th>Net (CY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loop Road</td>
<td>4,500</td>
<td>1,800</td>
<td>2,700</td>
</tr>
<tr>
<td>Interior Site</td>
<td>9,200</td>
<td>4,200</td>
<td>5,000</td>
</tr>
<tr>
<td>Total</td>
<td>13,700</td>
<td>6,000</td>
<td>7,700</td>
</tr>
</tbody>
</table>

The preliminary analysis shows approximately 8,000 cubic yards of off-haul. Earthwork calculations and grading will be refined during subsequent design phases with the goal of balancing cut and fill across the project site.

Buildings 0, 1, 2, and 9 are existing buildings that will have minimal grading around their perimeters. The proposed Performing Arts Center is composed of the main structure to the north and an annex to the south. The main structure finish floor elevation is set to allow access between the Performing Arts Building and existing Building 2. The annex finish floor elevation steps down from the main structure to mirror the natural topography of the site. Road grading is driven by fire department requirements, protection of existing trees, and the desire to minimize retaining walls.

Grading and earthwork shall be performed in conformance with the project geotechnical report and specifications (future). The contractor shall take care to avoid disturbing native soil beyond what is required to complete the designed improvements.

Figure 5.16: Grading and Drainage Plan
Proposed Utilities

The proposed Project will require new electrical, gas, communication, sewer, water, fire, and irrigation utility systems. Water connections for domestic and fire will be supplied from an existing East Bay Municipal Utility District trunk line located within Lincoln Avenue or along the west side of the property. The service lateral may require a special connection. Wastewater will be collected and conveyed into a City Sewer line in Lincoln Avenue at the northwest corner and potentially to one of the adjoining roads to the west. A small portion of the grey water flow may be diverted and treated for reuse as irrigation and toilet flushing. As with energy, metering is required for all water supply sources, including on-site reclaimed grey water. Firewater and irrigation services will come from the water service described above. This includes separate piping, valves and backflow devices.

A comprehensive water management strategy will be implemented for the proposed Project. The elements selected to achieve this strategy will be integrated into the site landscape and incorporated into the buildings. The site-based systems will allow for surface management strategies that promote, as much as possible, infiltration and attenuation of runoff. Onsite stormwater management will follow the City of Oakland’s C.3 Stormwater Technical Guidance Handbook. The handbook requires implementation of various Low Impact Development (LID) treatment measures as well as hydromodification mitigation. Stormwater will be treated and managed on site to the maximum extent practicable meeting local stormwater mitigation requirements. Drainage will be daylighted wherever possible in a pipeless stormwater management approach. It will recreate a visual, habitat, and experiential connection from the top of the site to the bottom. Stormwater will be managed to mimic natural patterns of flow within a watershed, avoid pipes and armored conveyance, encourage infiltration of stormwater, and utilize ecological analogs to create a diversity of vegetation types and landscape functions. A capture for reuse system would include above-ground cisterns and below-ground tanks or storage systems within the building footprints. Rainwater from the Performing Arts Center and Link Pavilion Building may be captured and stored for reuse, including potential integration with a grey water treatment system. In addition to reducing stormwater runoff from the grounds, rainwater would become a water supply for landscaping as well as toilet flushing. Stormwater that is not used by the Project will be infiltrated within the Project area or drain off the site to existing piping in Lincoln Avenue to the north and an existing drainage way to the south. The Project’s goal is to achieve net zero increase in run-off.

Electrical, gas and communication services will be routed from various points of connections along the property edge with the required valving, switches and equipment.
Sustainable Design Features

The Project’s primary sustainability goal is to meet LEED Gold on the renovated existing buildings and to meet LEED Gold on the new construction of the Performing Arts Center and Link Pavilion. The strategies to meet these goals may include natural daylighting, renewable energy, thermal energy storage, and rainwater harvesting.

These buildings will be designed with a primary focus on technical design and engineering sustainability for optimum performance. Another goal is to create a center of gravity for the campus that makes a strong statement about the environmental values of the school.

Project Construction

It is anticipated that the construction of the Project will take 18-24 months. Demolition will require approximately two months, site preparation will require approximately four months, and construction of the Link Pavilion and Performing Arts Center will require approximately 12 months.

To the extent the existing buildings to be demolished are constructed of concrete, the proposed Project will crush the existing building materials and re-use the recycled materials as part of the fill for the building pads and open space areas. An earthwork analysis will be conducted in the future. Efforts will be made to balance cut and fill across the Project site.

Approvals and Coordination

The Project is expected to require the following discretionary approvals from the City of Oakland:

- Preliminary Development Plan (Master Plan) pursuant to a Conditional Use Permit or revision to the Planned Unit Development Permit;
- Design Review/approval of Final Development Plan;
- Conditional Use Permit for buildings up to 75 feet in a residential zone;
- Tentative Tract or Parcel Map; and
- Tree Removal Permit

- Major Encroachment Permit for tunnel
Project Renderings

Illustrative Project renderings are shown in Figures 5.17 through 5.19. These renderings depict the Project character from various viewpoints throughout the site.

Figure 5.17: Proposed South Campus Outdoor Space