

**STANFORD UNIVERSITY MEDICAL CENTER
FACILITIES RENEWAL AND REPLACEMENT PROJECT
PROJECT DESIGN**

NOTE: This text describes the physical aspects of the project and geographic relationships. By necessity, compass direction must be used in many descriptions. All Stanford maps are oriented with north to the top and include a “north arrow.” Major Campus roads that run north-south include Palm Drive, Quarry Road, and Sand Hill Road. The convention in City of Palo Alto publications is to assume El Camino Real runs north-south and University Avenue runs east-west. These application documents conform to the Stanford convention.

PROJECT DESIGN

The Stanford Hospital and Clinics, Lucile Packard Children’s Hospital, School of Medicine, medical office and parking facilities are all described programmatically and defined in terms of size (gsf) in the Project Description (Tab 3). Each of these project components is in various states of design development. Architectural and design development drawings, or design guidelines sufficient for preliminary architectural and site design review, are currently being reviewed by the City of Palo Alto Architecture Review Board (a Table of Contents for the Design Guidelines is provided as Attachment 1). The information provided herein is intended to provide sufficient detail to start a formal application and review process and allow some level of visual analysis for the environmental review. The basic arrangement and location of project elements and supporting infrastructure are included. Fundamental design principles directions and approaches are described.

SITE PLANNING

OVERVIEW AND DESIGN INTENT

Execution of overarching planning principles and design objectives begins with site planning. The SUMC Area Plan put forth an extensive list of goals and principles intended to optimize facility design for the delivery of high quality health care and to implement City of Palo Alto objectives set forth in the Comprehensive Plan and expressed by current City leadership.

In summary, those goals included:

- Reinforcement of the City character and structure.
- Establishment of a unified identity for the Center while maintaining the distinctiveness of the individual institutions.
- Promoting a sense of security through attentiveness to personal and public safety.
- A sense of welcome to the broad community of Medical Center users.

- Planning for sustainability by accommodating all travel modes (beyond walkability) and enhancing access to transit.
- Designing for efficiency in the utilization of land and other resources.
- Planning for the flexibility necessary to adapt to the dynamic nature of research universities and urban infrastructure technologies.

The site planning for the project does not propose any substantial change in types of uses or their general locations within the Medical Center. Each of the hospitals must continue to provide patient care during the renewal and replacement. In order to maintain continuous operation, the new facilities must be located and connected to existing facilities. Building sites for the new facilities will be made available through redevelopment of adjacent properties that are underutilized and occupied by obsolete facilities. Figure 4-1 provides an overall site plan of the proposed project. Site descriptions and plans for each of the major project components follow.

STANFORD HOSPITALS AND CLINICS (SHC)

The adult hospital (SHC) site will include the site at 1101 Welch Road and the current location of Parking Structure 3 immediately to the east (Figure 4-2). The main hospital entry (for patient and visitor drop-off) will be accessed along westbound Pasteur Drive. A new below-grade parking structure will be located to the south of the hospital site extending east and contiguous with the existing parking Structure 4. Access to the parking structure will be provided off of eastbound Pasteur Drive.

Development of the hospital site will eliminate the existing Blake–Wilbur Drive. A new interior loop road will be located north of the hospital, providing access to the Emergency Department, a minor loading dock, and the existing Blake-Wilbur Clinic and Advanced Medicine Center. Durand Way will be extended from the existing Sand Hill / Durand intersection east and primarily through the 800 Welch property to Welch Road and the north end of the loop road.

A complex of SHC medical offices and clinics is proposed on the site previously occupied by the demolished non-compliant hospital facilities and south of the existing SHC facilities to remain. An underground parking structure will be located beneath the clinics and offices. Primary access to both will be from Campus Drive on the east.

LUCILE PACKARD CHILDREN’S HOSPITAL (LPCH)

The LPCH site will expand northeastward to include the 701 and 703 Welch Road sites and the existing parking lot north of the Falk Building (Figure 4-3). The existing underground parking structure will be demolished, and the current cul-de-sac entry drive will be reconfigured for use as a secondary entry. The parking structure will be rebuilt as an underground structure with medical offices above. Access to the proposed parking will be provided along Welch Road. A new entry pavilion will be located immediately east of the medical offices and be served by a new loop entry drive off of Welch Road. Primary hospital facilities (new nursing units and expanded diagnostic and treatment areas) will

be located south and east of the entry pavilion. A new loading dock will be located east of the new hospital facilities and will be accessed via a driveway from Quarry Road, just north of Medical Drive.

SCHOOL OF MEDICINE (SoM)

The site for the School of Medicine replacement facilities is generally the site of the existing facilities to be replaced (Figure 4-4). The site includes the existing Edwards, Alway, and Lane buildings in the existing 1959 Hospital complex, as well as an existing landscape area currently developed as a forecourt / garden immediately north of the CCSR building. The site abuts the boundary between the City of Palo Alto and the Santa Clara County Campus lands. The SoM research facilities, known collectively as the Foundations in Medicine (FIMs), line up along this boundary and a pedestrian mall connecting other SoM facilities in the County. The “FIM 1” site abuts Pasteur Drive but will be accessed primarily from north/south pedestrian malls connecting the School and the Hospitals. Vehicular access to all SoM facilities is generally via Campus Drive and other County Campus roads to the west. A secondary arrival point for the SoM will be delineated for drop-offs on Pasteur.

HOOVER PAVILION

A new Medical Office Buildings and a parking structure are proposed on the site of the Hoover Pavilion (Figure 4-5) and located to protect views of the potentially historic structure and present it as the most visually prominent site component. The existing pavilion will remain and be renovated for additional medical office use. The existing Arboretum Childcare Center will remain and the Hoover site will be redeveloped to include surface parking spaces. Access to the parcel will remain largely unchanged. Palo Road will continue to be the primary point of arrival reinforced by the orientation of the Pavilion and the new office building. A secondary entry from Quarry Road through the parcel of land to the South will provide direct access to and enable efficient loading and unloading of the parking structure. A driveway connection to the existing Quarry / Arboretum surface parking will be maintained. Internal pedestrian walks will connect all of the facilities to the shared parking and enable pedestrian access to Quarry Road

BUILDING DESIGN

As noted above, specific architectural drawings and design guidelines will be made available in the future. The Project Description includes general building locations. Figure 4-6 shows relative height and footprint of the proposed buildings, as well as adjacent existing buildings for context in a plan view. Figure 4-7 provides building height comparisons for existing and proposed SUMC buildings in a section view. Further design information will be provided in subsequent submittals.

The proposed project includes a number of buildings that exceed current Palo Alto height limits. Design guidelines in development will address specific locations where taller buildings are proposed or anticipated. For context, the following city and Stanford landmarks are provided:

- Hoover Tower - 285 feet
- Palo Alto City Hall - 127 feet (to street) (8 stories)
- Palo Alto Square - 132 feet (10 stories)
- 101 Alma - 140 feet (12 stories)
- Stanford Stadium – 120 feet (to top of press box tower)

LANDSCAPE DESIGN

Landscape design principles for the Stanford Campus and Medical Center are also articulated in the Area Plan Update and numerous other documents provided to the City. The consistent principle through all efforts has been to provide refined developed landscapes necessary to support the built environment while preserving those aspects of the cultural and natural landscape heritage that are distinctively Stanford – often referred to as “preserving the farm.” The practical manifestation of this principle is the predominant use of climate-appropriate (i.e., drought tolerant) plant materials, heavily utilized plazas and courtyards well integrated with buildings and “program space”, and views and vistas of native or feral landscape juxtaposed to the refined. More specific actions include preservation and restoration of the natural community forest (native oaks are revered and protected) and minimal use of lawn. Minimizing the use of water for landscaping has been and will continue to be an overarching design principle. Although specific design of landscapes associated with the project has not yet occurred, the Medical Center will propose no net increase in water use for landscape as a specific design guideline.

An equally important design guideline will be to realize no net loss of open space in the medical center. Meeting this objective will insure that adequate open space remains available to the Medical Center users and that impervious surfaces and runoff are not increased. Figure 4-8a provides calculations of the existing impervious surface in the project area and Figure 4-8b provides similar information for the proposed project.

Exterior lighting design will be developed in conjunction with architectural and landscape plans. Principles that drive the design will include lighting for adequate safety, identity, and wayfinding, while minimizing glare and spillover, especially to nearby residential uses. Careful consideration will be given to lighting in natural landscape areas and safety.

ATTACHMENT 1

Stanford University Medical Center Campus Design Guidelines

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