**Tree Preservation Alternative.** The Tree Preservation Alternative would preserve protected oak trees located in the portion of the SUMC known as Kaplan Lawn, outside FIM1 near Pasteur Drive, and outside the new hospital building near Welch Road. Under the proposed SUMC Project a 64-foot-tall hospital module [“Hospital Module Six”] was proposed to be located on the Kaplan Lawn, resulting in removal of nine protected trees. Under the Tree Preservation Alternative, the square footage and programmatic functions planned for Hospital Module Six would be incorporated into the remaining five hospital modules, the modular plan of the new hospital would be “tightened” somewhat through use of a smaller structural grid, and the proposed ambulance route would be reconfigured. The Kaplan Lawn would not be developed, and no protected trees would be removed at that location. In addition, Tree 608 located near Welch Road would not be removed.

The Tree Preservation Alternative would also include a redesign of the FIM1 building to save as many protected trees as possible at that location. The proposed building size and height would be the same as the Proposed Project. However, the footprint of the building would be altered to save Protected Trees at the northeast corner of the building. Due to the requirements of the program, and the location of the protected trees on the site, not all of the protected trees could be preserved.

Figure 5.x depicts the footprints of the Tree Preservation Alternative, using the alternative designs for the new SHC complex and the FIM1 building. It also shows the protected trees that would be preserved through the Tree Preservation Alternative, and the potential zones for planting of relocated trees.

The Proposed SUMC Project includes a new SHC complex at Pasteur Drive and Welch Road. Under the proposed project, a platform or pavilion would be constructed to a height of about 40 feet. Several modules would rise above this platform, with space between the modules to provide light and air, to reduce massing, to house the mechanical equipment for the levels above and to maintain view corridors. The Tree Preservation Alternative would be similar to the proposed SUMC Project (Table 5-6) with the following exceptions:

- Hospital Module Six would not be constructed in Kaplan Lawn. The program that is currently proposed for Hospital Module Six would be absorbed into the remaining portion of the proposed SHC complex footprint in the following ways:
  - The first four floors (GR below grade and Levels 1, 2, and 3) of the central portion of the new SHC would contain enclosed program, along with an atrium (rather than unenclosed courtyard space) extending from Floor 1 to Floor 3.
  - The central atrium would include a glass-domed ceiling at Level 3. The area above the atrium would remain open to the sky above.
  - The four Hospital modules surrounding the central atrium would be seven stories tall, using the full amount of the 130’ height envelope that has been studied in the EIR for the proposed SUMC Project.
  - The fifth Hospital module, at the northeast corner of the proposed new SHC complex, would be seven stories and 130 feet tall. This height also matches the envelope that has been studied in the EIR for the proposed SUMC Project.
• Additional “platform” area would be located northeast of the proposed SHC complex, containing additional diagnostic and treatment programs.
• The resulting SHC complex square footage would be the same as under the proposed SUMC Project.

• The emergency generators to serve the proposed SHC complex would be relocated from near Welch Road to a new location near the Advanced Medicine Center. The generators would be located underground and would have exhaust stacks that would extend 20 feet in height.

• The ambulance route to and from the emergency department at the proposed SHC complex would be reconfigured to avoid Tree 608. In addition, the fifth Hospital module would be farther from Tree 608 than under the proposed SUMC Project.

• An area southeast of the Pasteur Drive/Welch Road intersection would be planted with relocated and replacement oak trees, which would not have been possible under the originally proposed SUMC Project.

• The “tightened” module footprint would result in a height change at SHC Clinics. In order to accommodate the same Clinics square footage in smaller module footprints, all four modules would be 112’ high (as compared to the Proposed Project which would have one module at 112’ and three modules at 64’).

The Alternative would necessitate the same Comprehensive Plan amendments, zoning changes, and annexation approvals as the proposed SUMC Project.

In addition to the modifications to preserve the trees at the Kaplan Lawn and Tree 608, continuing design of the proposed new SHC complex has resulted in the following Project changes:

• The previously proposed underground SHC parking structure at the Welch/Pasteur intersection would instead be constructed as a structure with three levels underground and four levels aboveground along Welch Road. This change is in part due to the economic necessity to reduce construction costs, and in part to enhance overall Project design and function.

  o The parking structure would be approximately 40’ tall. This height would match the height of the base pavilion for the new SHC complex, enabling access to the parking structure roof from the base pavilion and enhancing the cohesiveness of the overall Hospital design. The 40’ parking structure would also break up the scale of the Hospital modules, transitioning the massing of the complex toward the scale of the existing buildings along Welch Road.

  o The number of parking spaces in the structure would remain the same as under the proposed SUMC Project.
The SHC Medical Gas tank farm would be relocated from the originally proposed location near Tree 608 to between the new SHC parking structure and Welch Road, allowing a further stepping-down of the mass along Welch Road.

The roof of the parking structure could support a “Wellness Center” program in a structure that would be up to approximately 12 feet above the roof of the parking structure (52’ tall from ground level). The parking structure also would be activated with street-level facilities, such as bicycle parking and lockers.

The parking structure would be accessed from both Welch Road and Pasteur Drive.

- The Emergency Department entrance/parking would be moved from its proposed location along Welch Road to the Pasteur Drive side of the new SHC complex. This is expected to substantially improve way-finding and it will enhance the overall efficiency of the Emergency Department.

- The SHC patient and visitor drop-off loop would continue to be from Pasteur Drive; however, the drop-off loop would be located farther down Pasteur Drive than previously depicted, more centrally located adjacent to the future clinics expansion area and the existing D, E, and F pods.

- A new road would be created running east-west directly down the middle of Kaplan Lawn, replacing the function of two roads that exist today between the two barrels of Pasteur Drive (Blake-Wilbur Drive and the SUMC Promenade). This new road would preserve the existing protected trees, highlighting them as a visual amenity in order to frame the approach and arrival sequence to the new Stanford Hospital. This design would also allow the creation of a new arrival plaza at the pedestrian exit from Parking Structure 4, permitting a safer pedestrian entry sequence to the new Hospital. In addition, it would remove a large percentage of vehicle/pedestrian/bicycle interactions along the SUMC Promenade, creating better pedestrian opportunities between the hospitals and the School of Medicine. Kaplan Lawn would be further enhanced with additional landscaping, including the placement of relocated Trees #324 and #324A from the FIM 1 site.

- In order to activate the pedestrian experience at the entry level to the new Hospital, the building perimeter would be planned to accommodate the most public functions of the hospital building program: café, gift shop, outdoor seating, and a small retail component. The West Elevation (along Pasteur Drive) and the South Elevation (along the Promenade) would feature a 30’ building overhang, providing shade and shelter from the rain along these heavily trafficked walkways. These overhangs would also shelter the Marguerite shuttle stop and extensive bicycle parking.

**Ability to Achieve SHC/LPCH/SoM Program Objectives.** The Tree Preservation Alternative meets the project objectives provided in Tab 2 of the SUMC Facilities Renewal and Replacement Project Application.