

## **Lutheran Church of Honolulu Campus Landscape Plan Owners Project Requirements**

### **Purpose**

The purpose of the campus landscape plan is to create a space that:

- Honors the God of creation by expressing our environmental stewardship;
- Honors the God of love by reflecting our care for our neighbors, our respect for our host culture, and our joy in fellowship;
- Extends the invitation to all by creating an environment that offers welcome and orientation to the newcomer;
- Communicates who we are and retains touchstones to our history as a congregation and the history of this place; and
- Inhabits a vision of our future.

### **Environmental Stewardship**

- The function and appearance of the landscape components should exemplify LCH's environmental ministry.
- Plants should be drought-tolerant and appropriate to the site ecology and climate. Native plants should be used where possible. Shade trees should be used to cool the campus, provide shelter from sun, wind and rain, and screen buildings.
- Irrigation should be used only as required for plant establishment. Permanent irrigation should use non-potable water. If a permanent irrigation system is installed, it should source water from the natural artesian well, buried under the front lawn at the corner of Dominis Street and Punahou Street).
- Drainage should be diverted to infiltration landscape areas to promote groundwater recharge and minimize discharges to the storm drain system.
- Hardscape surfaces should use finishes with increased reflectivity (high albedo) to minimize heat absorption (heat island effect).

### **Care for Neighbors, Respect for Host Culture, Joy of Fellowship**

- Improve the physical appearance of the property. Screen views of the parking lot and roof by planting shade trees at the perimeter of the campus. Shield and angle lighting to reduce glare and minimize light pollution. Create social spaces within accessible landscape areas.
- Design the landscape as a restored space, rather than an imported space, with consideration to the selection of plants for ecological appropriateness and cultural and artistic uses (flower gathering), water demand, drainage, and possible restoration of the artesian pond.
- Incorporate in the landscape plants and elements identified with Native Hawaiian culture, including use of native plants in the landscape and Hawai'i design motifs in the hardscape features.
- Create spaces for fellowship: (1) Hormann Courtyard, (2) Seating area at parking lot entryway, (3) Patio area at Dominis Street entrance, (4) Plumeria patio at Punahou Street entrance, and (5) Pipe-awning music jam area on front lawn.

### Extend the Invitation

- Enhance the prominence of the three main entrances: Punahou Street, Dominis Street, and Poki Street (parking lot).
- Create visual cues that welcome and orient newcomers, including entry features (stone columns, trellises, plants, surface texture, lighting, and signage).
- Eliminate unwelcoming features: iron bars, klieg lights, uneven surfaces, shadows.

### Communicate Our Identity and History

- Call attention to building architecture that reflects European roots, i.e. pitched steeple.
- Reuse stones from original guest house gateway in new entryway feature.
- Create new artwork that expresses our identity and spirit and incorporate it into the landscape: surfaces, relief images, sculpture, fixtures, furniture.

### Inhabit Our Vision of the Future

- Accommodate future possibilities in the landscape: restructured or expanded buildings, additional stories, acquisition of Luther Place.
- Create a plan that is phaseable and flexible.

## **Landscape Plan Components**

### Drainage

- Retain drainage on-site as much as possible through the use of landscape infiltration areas.
- Construct parking lot surface with gaps to intercept sheet flows and promote infiltration.
- Retain natural drainage patterns to minimize grading.
- Divert drainage overflow to discharge onto Punahou Street.

### Hardscape

- Use concrete for longevity.
- Use materials with high reflectivity to minimize heat absorption.
- Use a variety of surface textures for grip and visual cues.
- Use color / pigments in surface materials for orientation and aesthetics.

### Entry Features

- Replace / renovate Dominis Street gate to be less prison-like and easier to open.
- Stonework column using materials from original guest house gateway.
- Trellis entry – with vines, bougainvillea, or other climbing plant.
- Plantings – flanking palms, small trees, shrubs. Note: do not block photovoltaic panels.

### Plants

- Use native plants (endemic/indigenous/introduced) where possible.
- Use drought-tolerant, low-maintenance species.
- Consider plants that can provide materials used for cultural or artistic practices (lei-making, basketry, pigments, food).
- Plant shade trees to provide shelter from wind, rain, and sun. note; do not block photovoltaic panels.

### Irrigation

- Use temporary irrigation only for plant establishment.
- If a permanent irrigation system is used, source the water by restoring the artesian well buried at the corner of the front lawn. Use only non-potable water for permanent irrigation. Use low-flow and drip irrigation fixtures to minimize waste.
- Use rain catchment and drainage diversion to irrigate the landscape.

### Lighting

- Locate lights at entrances and as needed for safety, security, and orientation.
- Use bollard or pedestal type lights that resist damage and vandalism. Do not use small “mushroom” type landscape lights.
- Shield and angle light fixtures to minimize glare and light pollution.
- Evaluate use of low-voltage vs. high-voltage lighting.

## **Landscape Scope by Area**

Parking Lot / Poki frontage – Priority is to repave the parking lot. Main objective is to make it safe and welcoming, and to reflect our environmental ministry.

### Landscape/Hardscape Scope

- Parking lot pavement – concrete, coarse aggregate surface with runoff intercept gaps.
- Extend lot into grass area at south end.
- Extend to setback on Poki Street.
- Divert drainage to planter spaces along sides of parking lot.
- Construct drainage swale along south border of property to drain overflow runoff water from parking lot. direct the drainage to daylight at Punahou.
- Provide space for trash dumpster.
- Accommodate water and sewer lines and cleanouts.
- Screen solar utilities – existing conduit and boxes.
- Screen church offices building.
- Plant shade trees around parking lot to comply with street tree ordinance.
- Maintain / replant hedge along public edge of parking lot.
- Provide landscape lighting.

### Parking Lot Entry

- Create trellis / stone entry feature
- Surface detail linking parking lot to entry walk.
- Lighting
- Signage

Dominis Street frontage – Main objective is to clean it up, improve orientation, and make it more welcoming.

### Landscape/Hardscape Scope

- Turf restoration
- Landscape accents at nave doors.
- Planters

### *Dominis Street Entry*

- New gate
- Small lawn/planter reuse – possible exterior patio

*Punahou Street frontage* - Objective is create a more inviting and welcoming appearance from Punahou Street. There is a desire to use the area for informal gatherings, pipe-awning music jam sessions, patio seating for social / study use.

### *Landscape Scope*

- Turf restoration
- Interest in restoring artesian spring in general area of front lawn.
- Cultivate hedge around preschool play area to screen the chain link fence.
- Landscape feature at steps from sidewalk (hedge or other).

### *Punahou Street Entry*

- Reclaim planter space adjacent to plumeria tree and nave window for seating area
- Preserve plumeria.
- Enhance visibility of entrance to Hörmann courtyard.

*Luther Place Connection* - Objective is to accommodate future expansion into Luther Place and adjacent apartments.

*Hörmann Courtyard* – Objective is to make it useable space in all-weather conditions without creating a enclosed space.

- Resurface
- Planters / Potted Plants
- Gutters – possible water reuse.
- Courtyard Cover