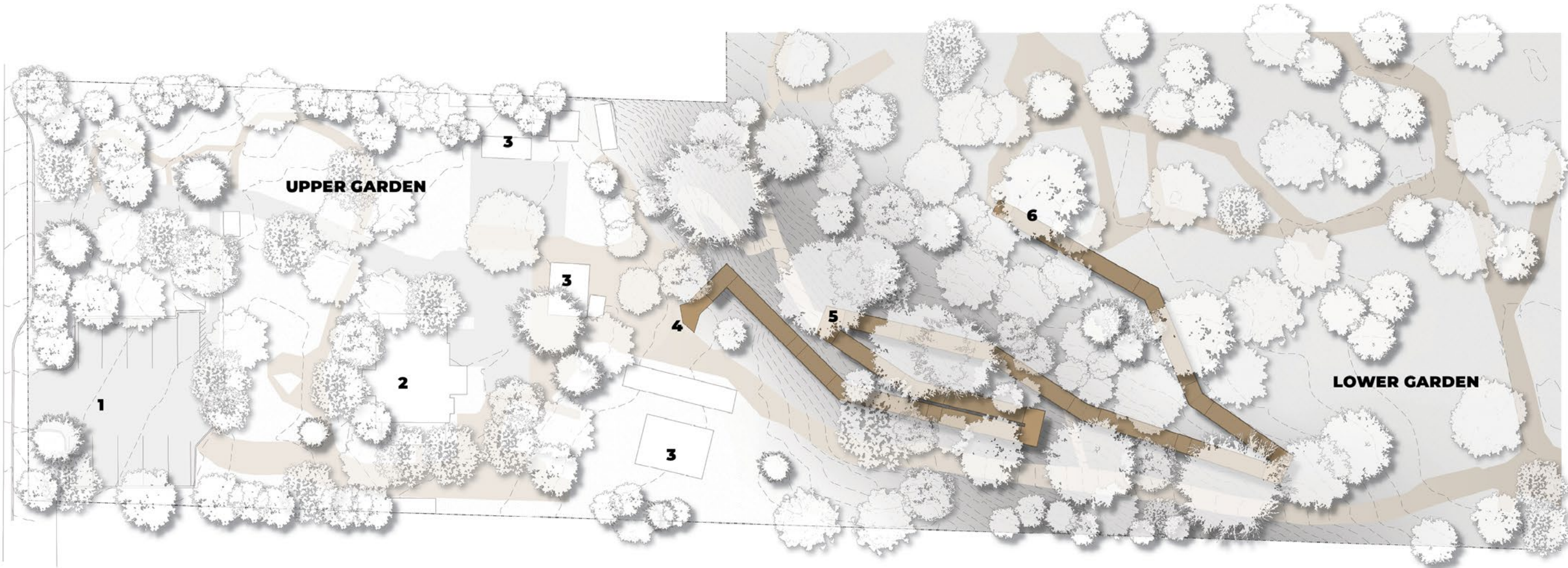


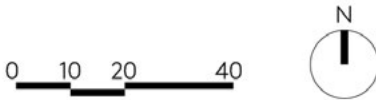
KRUCKEBERG BOTANIC GARDEN BOARDWALK: A WALK IN THE CANOPY

20312 15TH AVE NW, SHORELINE, WA 98177



KEYNOTES

- 1 PARKING AND ENTRY
- 2 ADMINISTRATIVE BUILDING
- 3 GREENHOUSES AND COVERED PLANTING AREAS
- 4 TOP OF BOARDWALK, EL. 317.00'
- 5 MID-WAY CONNECTION TO WALKING TRAILS
- 6 BOTTOM OF BOARDWALK, EL. 288.00'



Nestled within the wooded slope between upper and lower gardens, the Kruckeberg Botanic Garden Boardwalk finds the balance between accessibility, environmental sensitivity and thoughtful design.



“WE’VE SEEN MORE VISITORS WITH DISABILITIES
ACCESSING THE LOWER GARDEN THAN WE
NORMALLY DO. THIS IS REALLY AMAZING TO SEE...
FAMILIES BRINGING THEIR ELDERLY PARENTS TO
EXPERIENCE THE GARDEN ENVIRONMENT AND
GROUPS OF PEOPLE WITH DISABILITIES STOPPING
BY FOR AN OUTING...”

—JP SAUERLENDER
EXECUTIVE DIRECTOR, KRUCKEBERG BOTANIC GARDENS

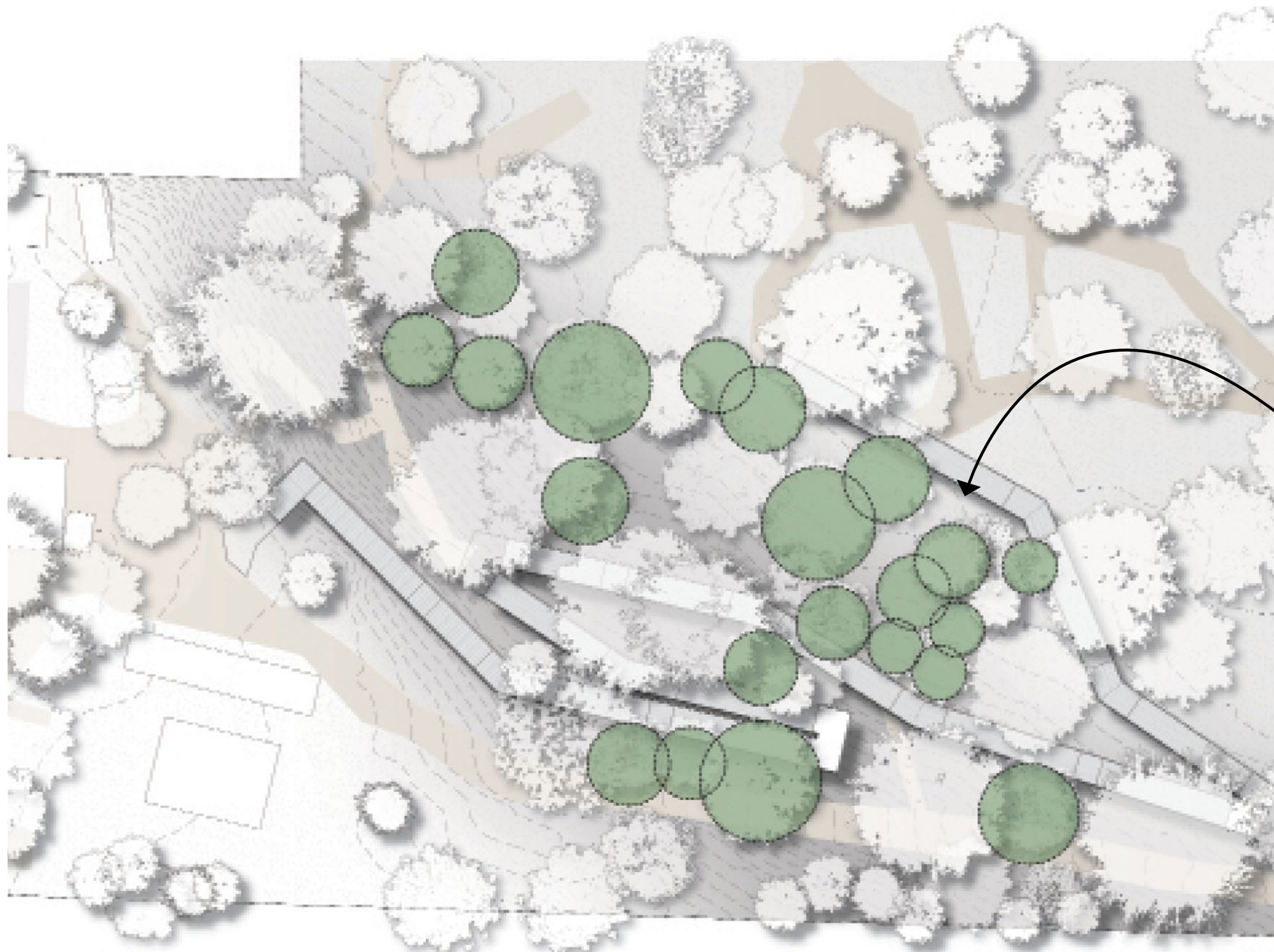
The boardwalk officially opened to the community in September 2024, transforming access to the garden.

Recognizing the need to make this extraordinary space more inclusive, the City of Shoreline embarked on a mission to create a boardwalk that would blend seamlessly with the landscape while improving access for visitors of all abilities.





The design-build project team tested multiple layout options with survey poles, ladders and string to help the community visualize and understand the impacts of construction.



TREES IDENTIFIED
BY GARDEN STAFF
AS SIGNIFICANT
TO THE GARDEN'S
COLLECTION

Designing the boardwalk required a careful study of the site, beginning with an inventory of trees critical to the garden's collection. The trees, many of them integral to the garden's identity, became focal points in determining the boardwalk's path.

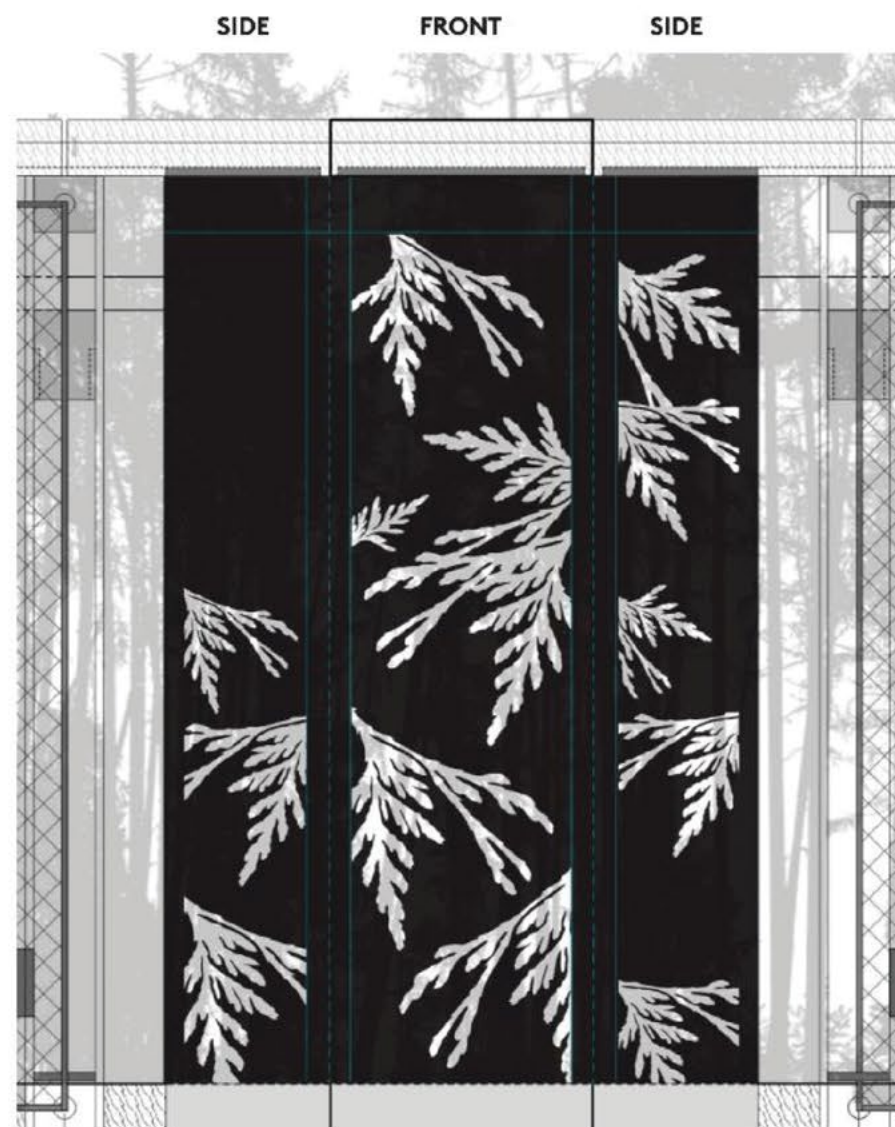




Once completed, the boardwalk provided a much-needed accessible connection and redefined how visitors interact with the garden. By offering an elevated perspective, it allows guests to experience the intricate layers of the canopy.



PRELIMINARY SKETCH



PROTOTYPING



FINAL INSTALLATION

Design studies reimagining the guardrail panels at ramp landings — blending safety with inspiration from the garden setting.



Rather than removing trees that interfered with the path orientation, the design-build team embraced them. In one instance, the design incorporated a large standing snag as a focal point and unique engagement.



The natural flora is highlighted at landings with custom cut steel panels that celebrate iconic native plants in the garden's woodland setting.



The materials chosen for the boardwalk were carefully selected to complement the natural surroundings so the boardwalk could blend into the canopy over time.



The design of the boardwalk was driven by a commitment to environmental sensitivity, ensuring that the new structure would not only enhance accessibility but also preserve the garden's delicate ecosystem and historical significance.



The team used pre-cast concrete piers that could be manually positioned and anchored into the hillside. This method allowed for flexibility, as the piers could be placed by hand and rotated to avoid boulders or tree roots.



Despite thorough site studies and 3D modeling, the true complexity of the tree canopy could only be fully realized during construction and the design build team prioritized the garden collection whenever possible.