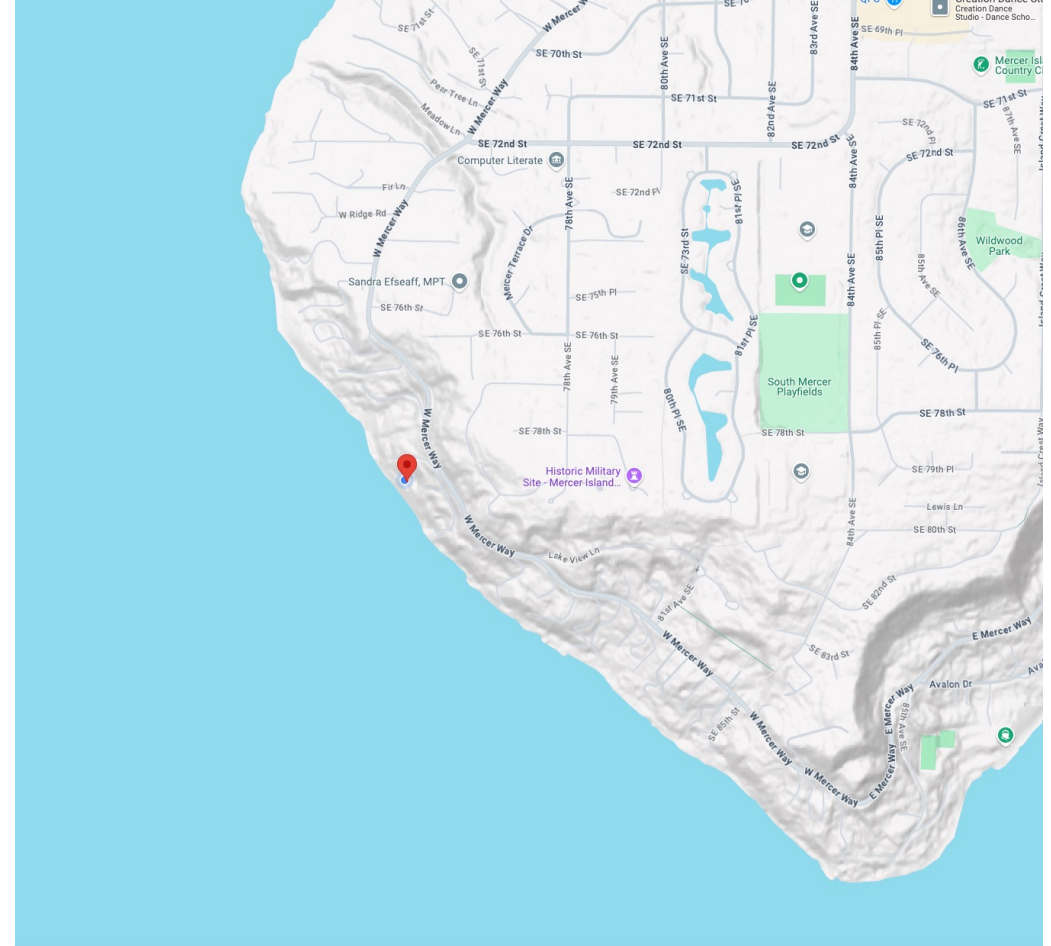


PHOTO (Front)



VICINITY MAP



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Photo from rear (2025)



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Photo from rear (2025) - Subject area



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Photo from rear (2025) - Subject area expanded



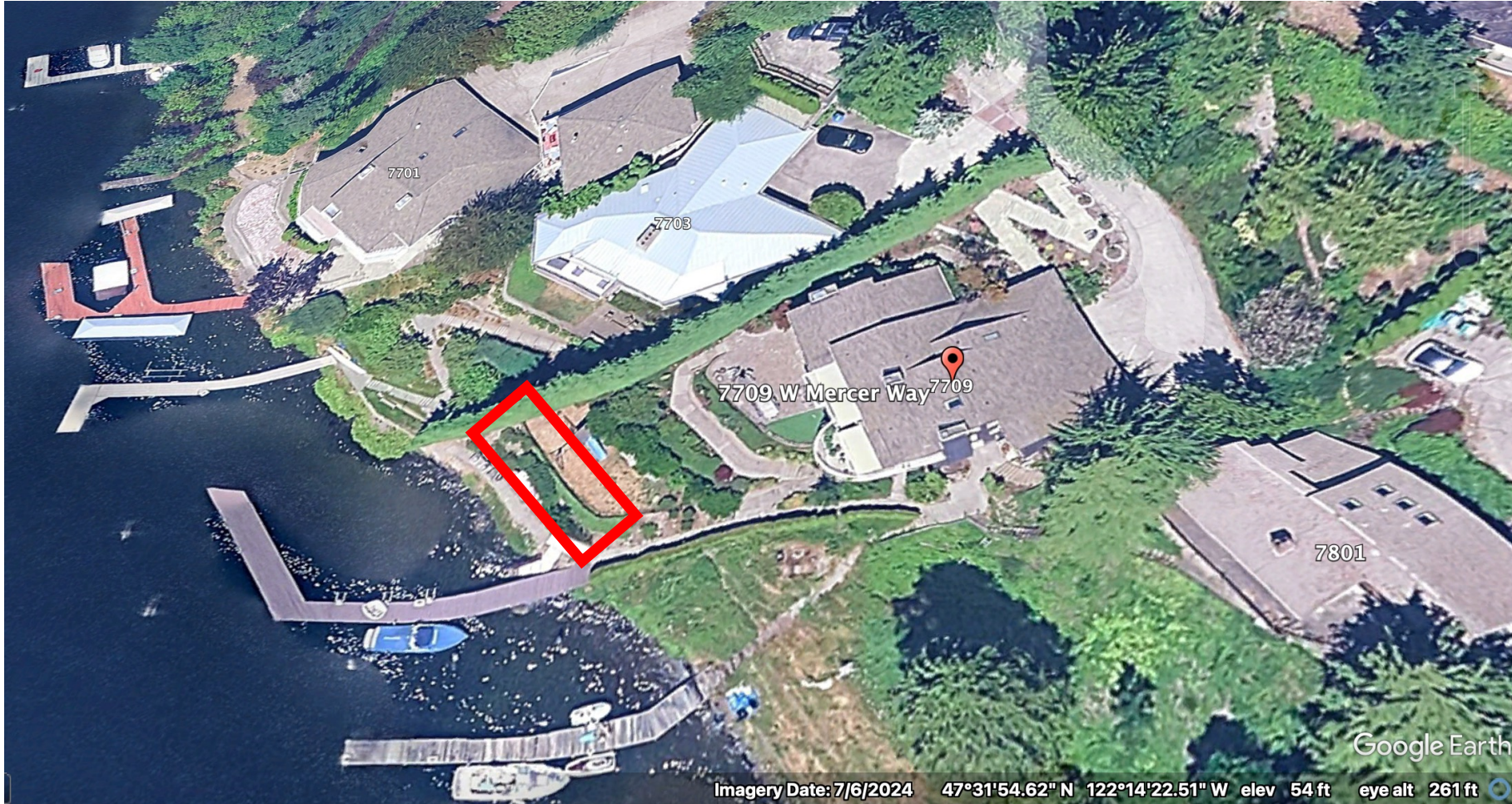
7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Aerial (2024)



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Aerial 2024 – Subject area



Imagery Date: 7/6/2024 47°31'54.62" N 122°14'22.51" W elev 54 ft eye alt 261 ft

7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Aerial circa 1983



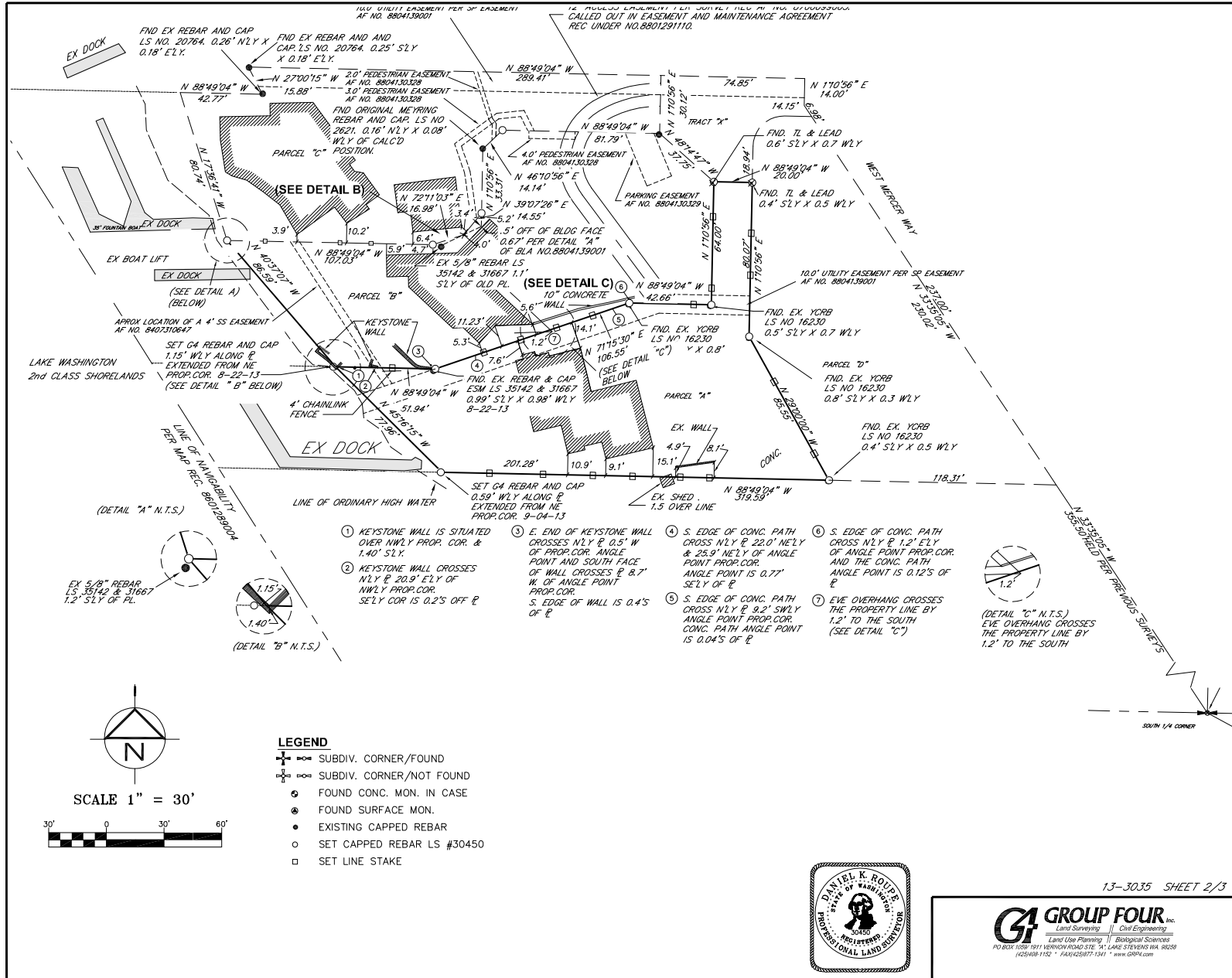
7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Aerial circa 1983 – Subject area



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

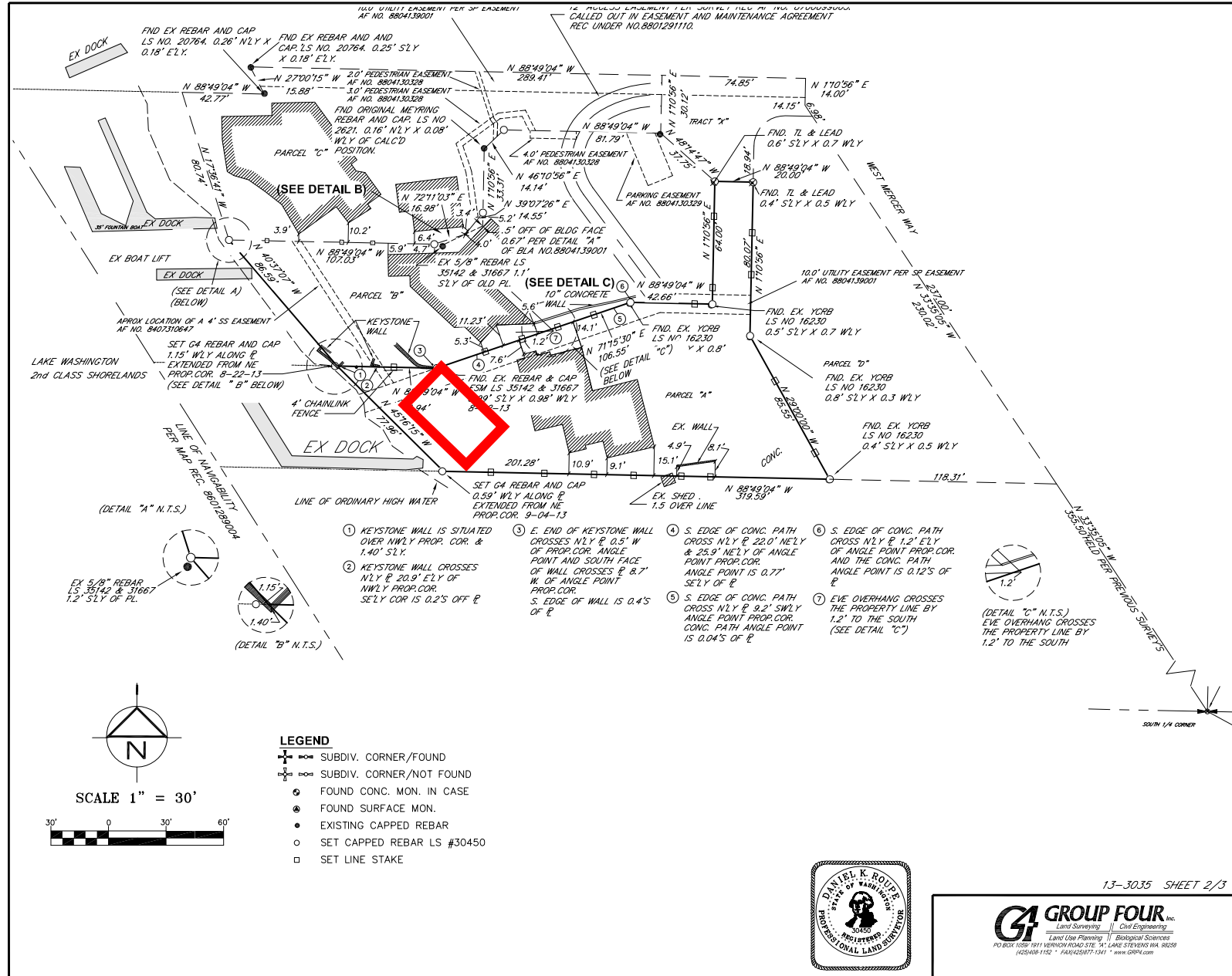
Survey circa 2014



7709 W Mercer Way
 APN: 5451300045
 June 3, 2025
 Backyard landscaping wall

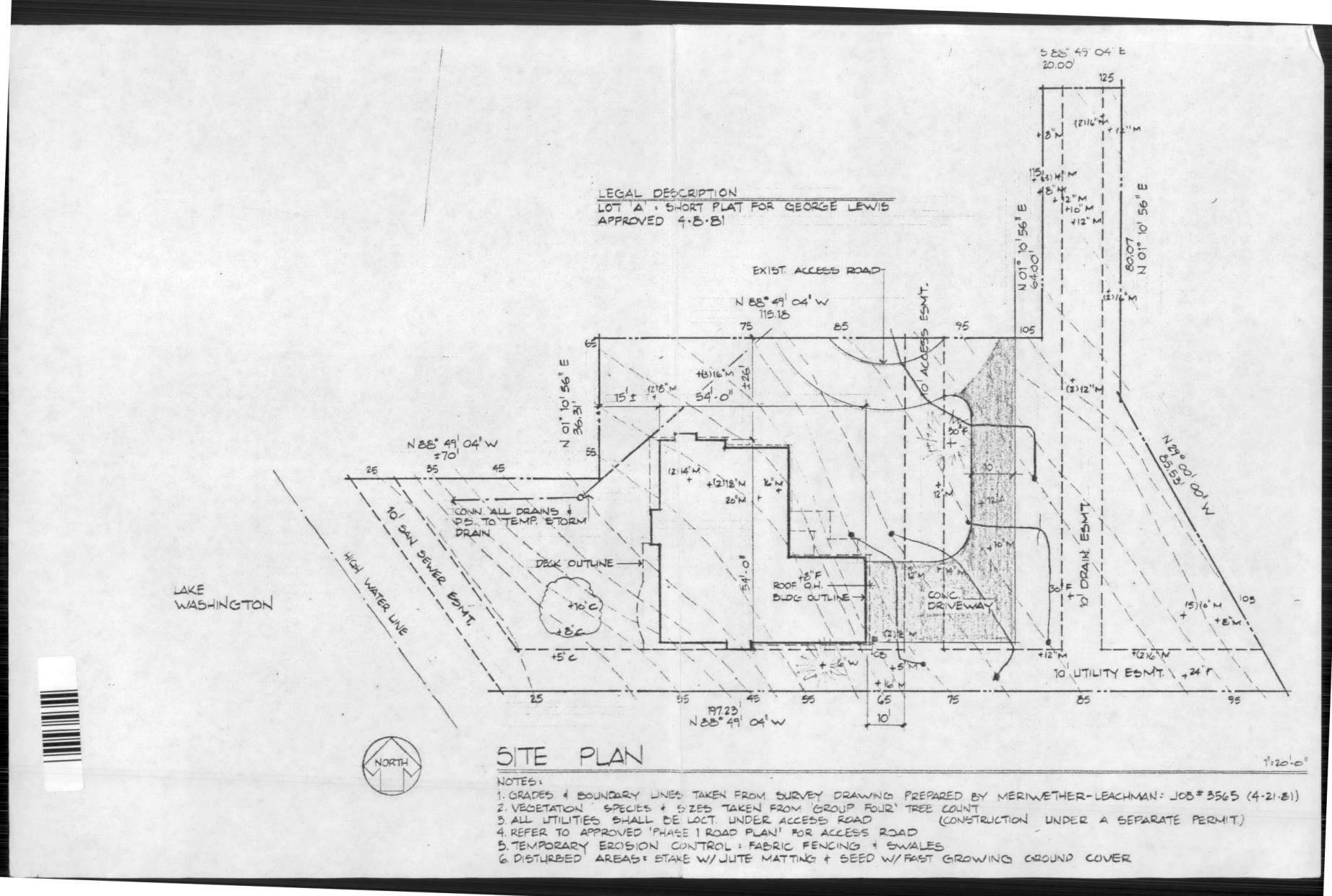


Survey (2020) - Subject area



7709 W Mercer Way
 APN: 5451300045
 June 3, 2025
 Backyard landscaping wall

Site plan circa 1981



7709 W Mercer Way
 APN: 5451300045
 June 3, 2025
 Backyard landscaping wall

Legacy wall failure (1 of 3)

Looking toward South
(10 degrees off vertical)



Looking toward North
(10 degrees off vertical)



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Legacy wall failure (2 of 3)

Looking toward North (from above subject wall)

1. ground slopes down and to the left; and
2. chain link fence 30-degrees off vertical



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Legacy wall failure – other wall (3 of 3)

Uphill section in need of repair / replacement (Looking toward East)



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Slope 37% survey letter recorded

October 18, 2021

Mr. Shane Miller
7709 W. Mercer Way
Mercer Island, WA 98040

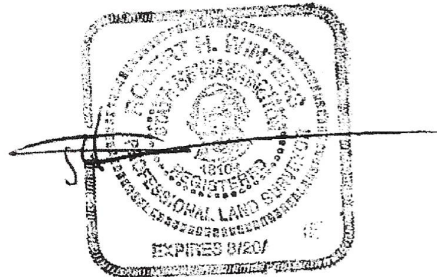
Shane,

Per your request, I have reviewed a topographic survey of your property performed by Meriwether-Leachman Land Surveyors in 1983 and included within Mercer Island building permit No. 83-350. In reliance upon the topographical information displayed on said survey, I have created a cross-section that bisects the parcel, beginning at a point on the east property line (elevation 95') and ending at the rockery along the lake shore (elevation 20'). The scaled distance between those 2 points is 205 ft. Therefore, the average grade = 37%, which is the change in elevation (75 ft) divided by the horizontal distance (205').

Best Regards,

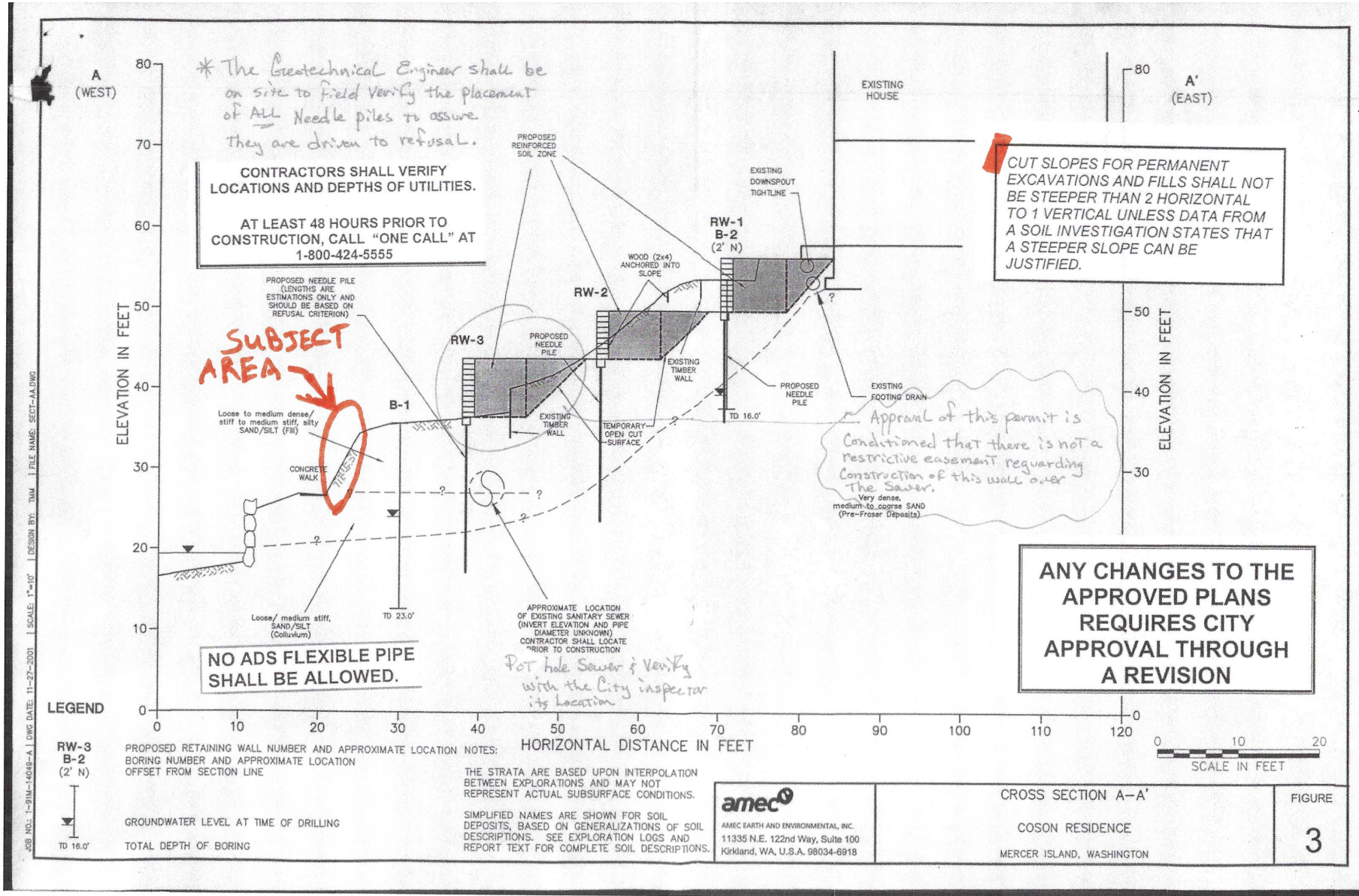

Robert H. Winters, PLS(retired)

Chadwick & Winters Land Surveying
1422 NW 85th St.
Seattle, WA 98117
206-297-0996



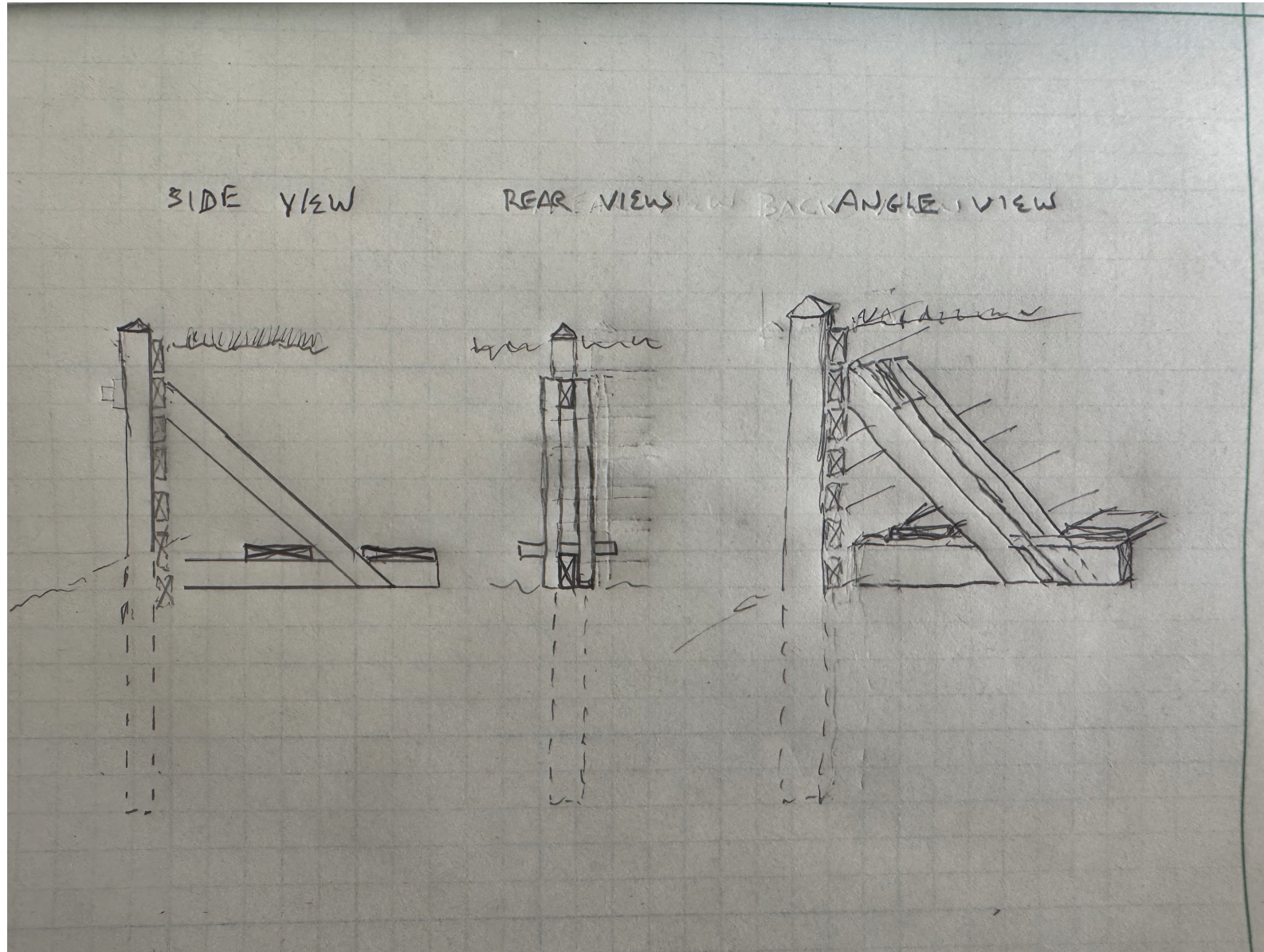
7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Site plan cross-section (circa year 2001)



7709 W Mercer Way
 APN: 5451300045
 June 3, 2025
 Backyard landscaping wall

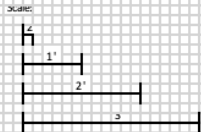
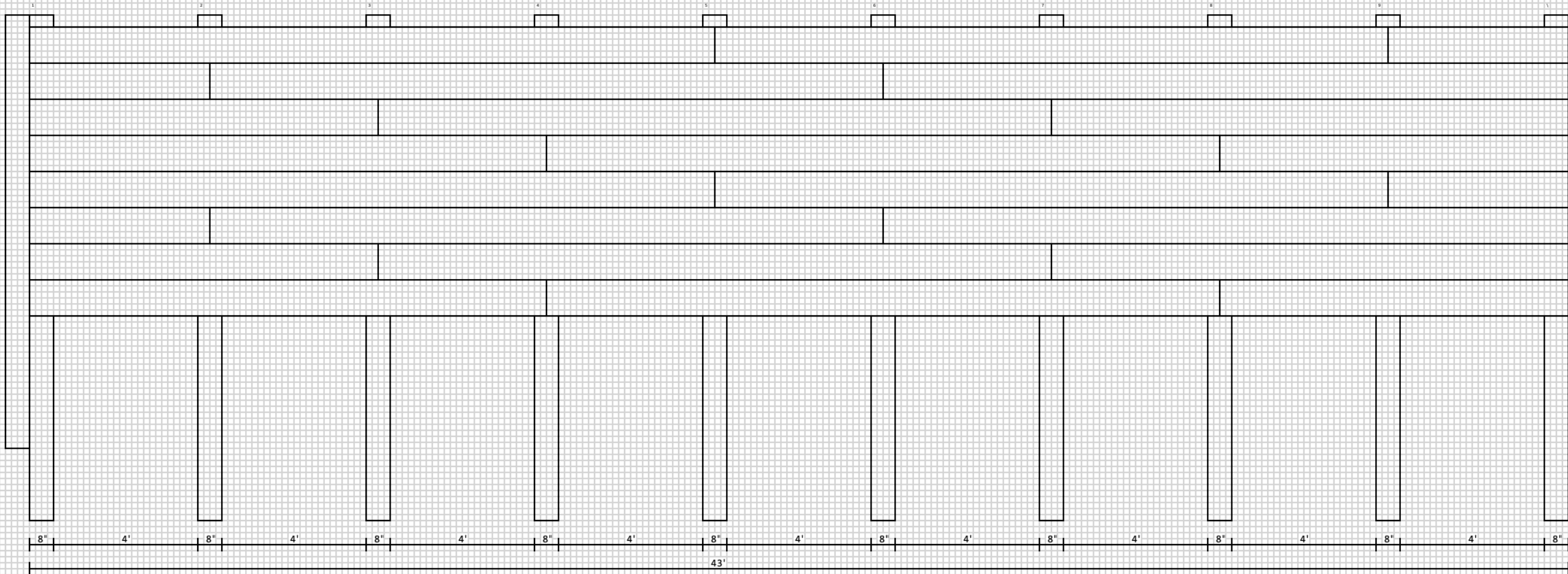
Replacement design inspiration - sketch



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Replacement wall (elevations) facing toward West (excluding deadman anchors)

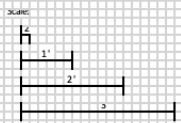
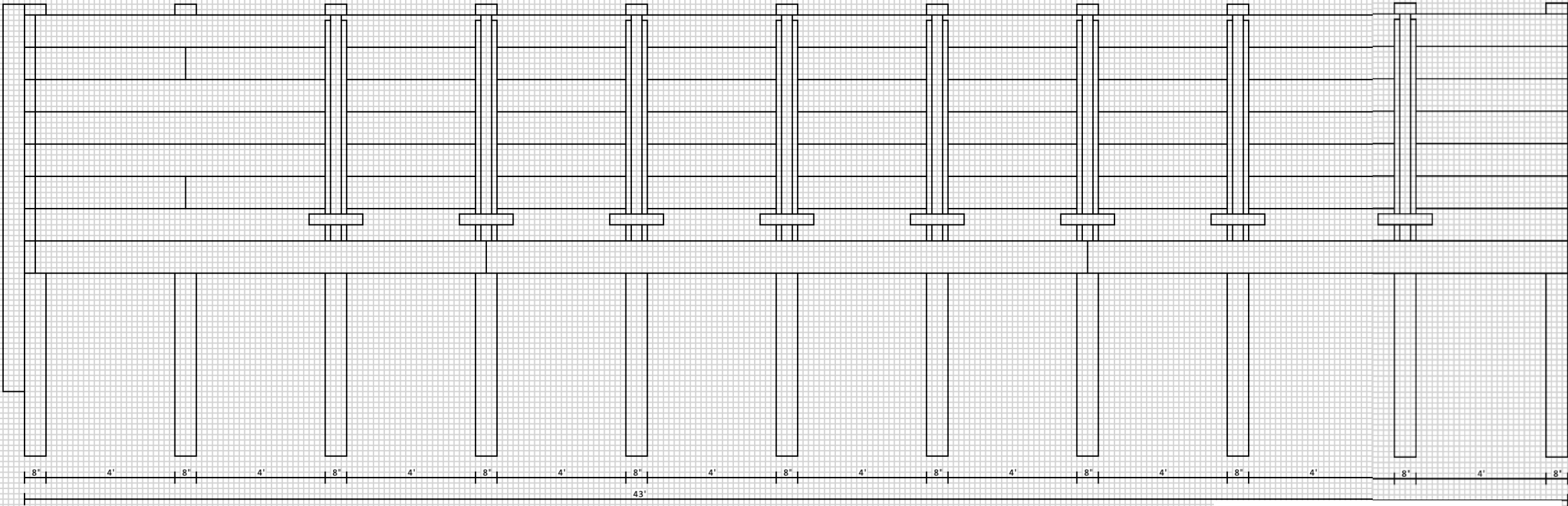
Wall rear-view (excl. deadman anchors) (looking toward the West)



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

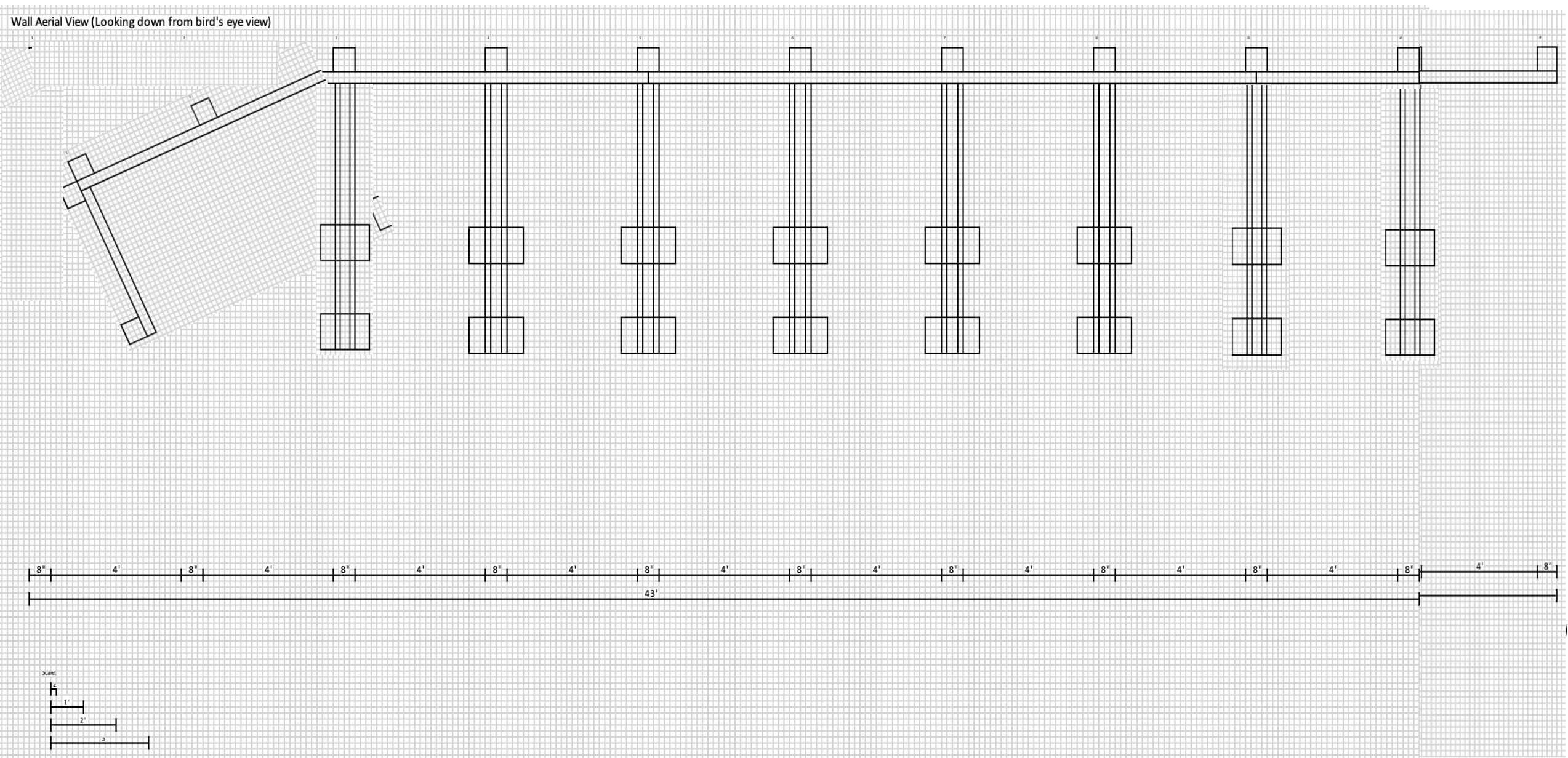
Replacement wall (elevations) rear view facing west

Wall rear-view (incl. deadman anchors) (Looking toward the West)

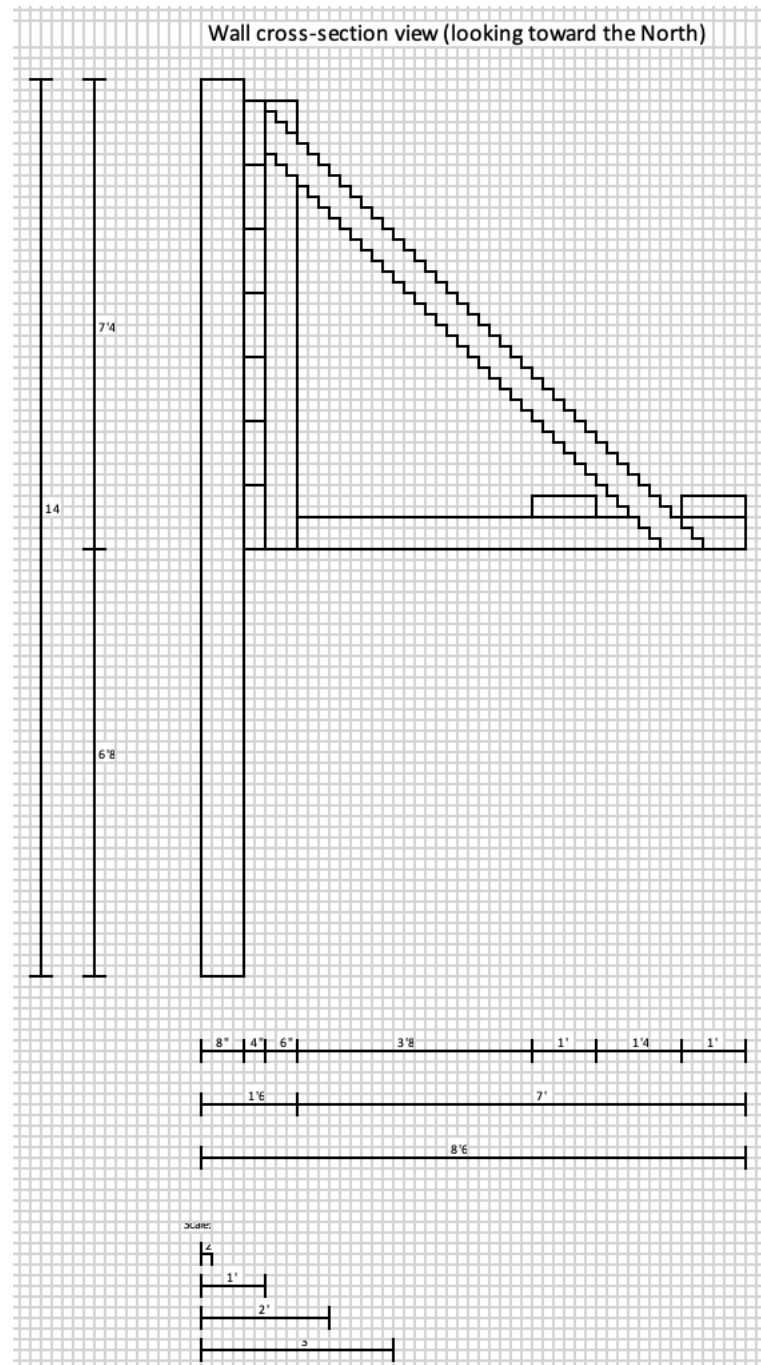


7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Replacement wall (elevations) – aerial/birdseye view



Replacement wall cross section (elevations)
(looking toward the north)

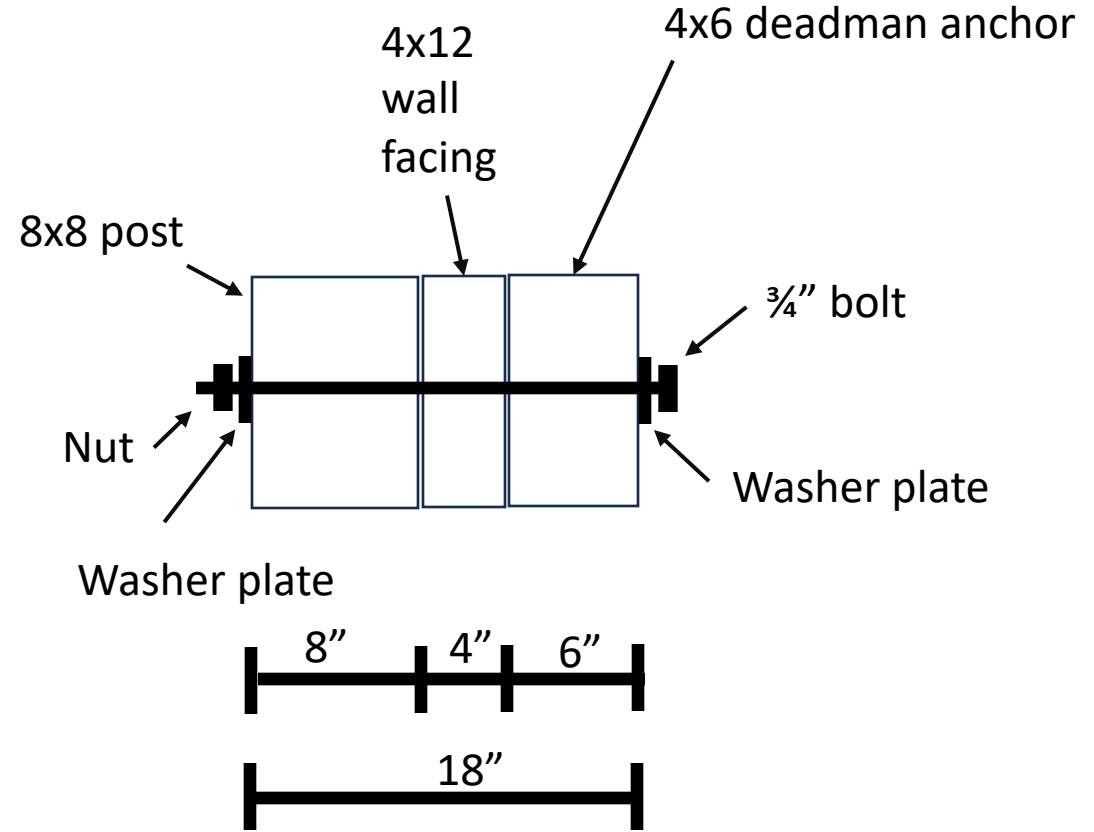


7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Replacement wall (connection detail)



3/4" diameter thru bolt (18" length)



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Replacement wall (connection detail)



$\frac{3}{4}$ " diameter thru bolt (18" length)

7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

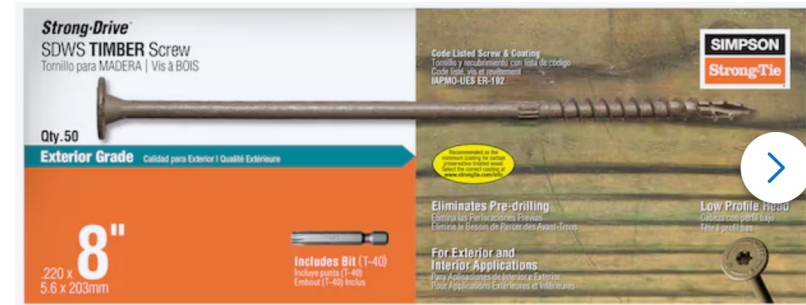


1/2" diameter thru bolt (9" length)

7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall



Simpson Tie screws 8" length)
Connects 4x12 facing to 8x8 posts



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Replacement wall (work-in-progress images 1)



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Replacement wall (work-in-progress images 2)



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Replacement wall (work-in-progress images 3)



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Replacement wall (work-in-progress images 4)



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Replacement wall (work-in-progress images 5)



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Replacement wall (work-in-progress images 6)



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

Replacement wall (work-in-progress images 7)

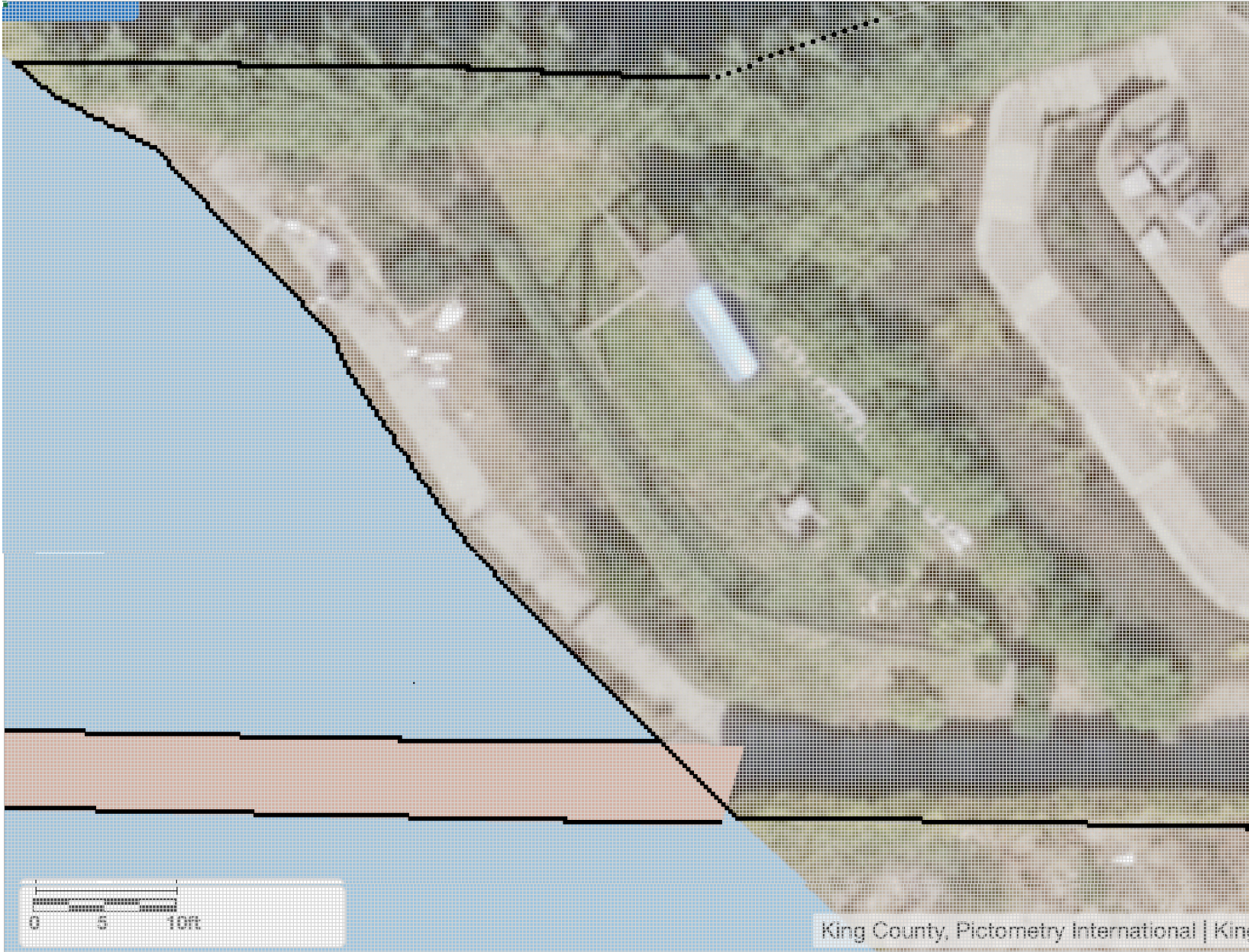


7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall

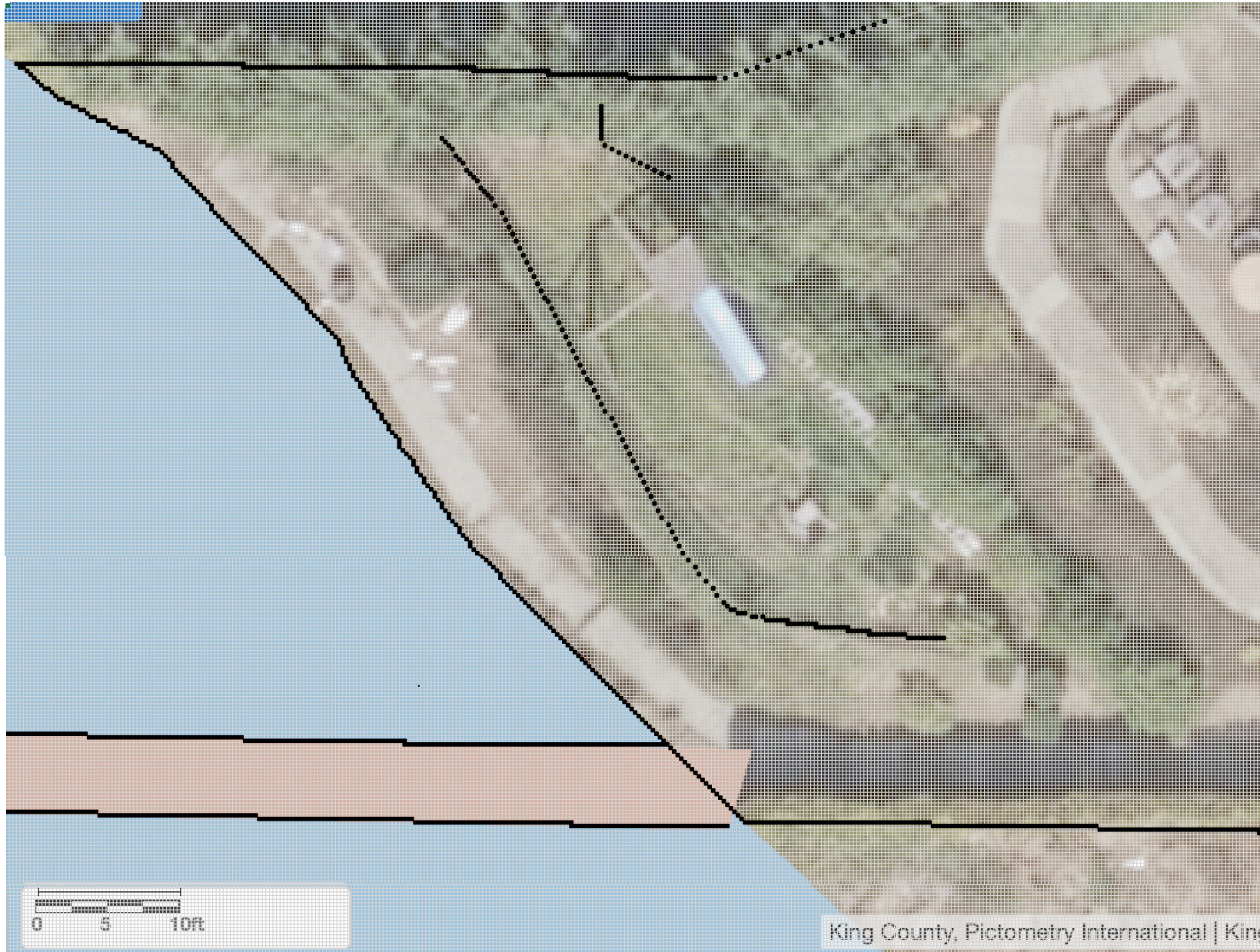
Site Plan (1 of 11) – Aerial map view with no markup



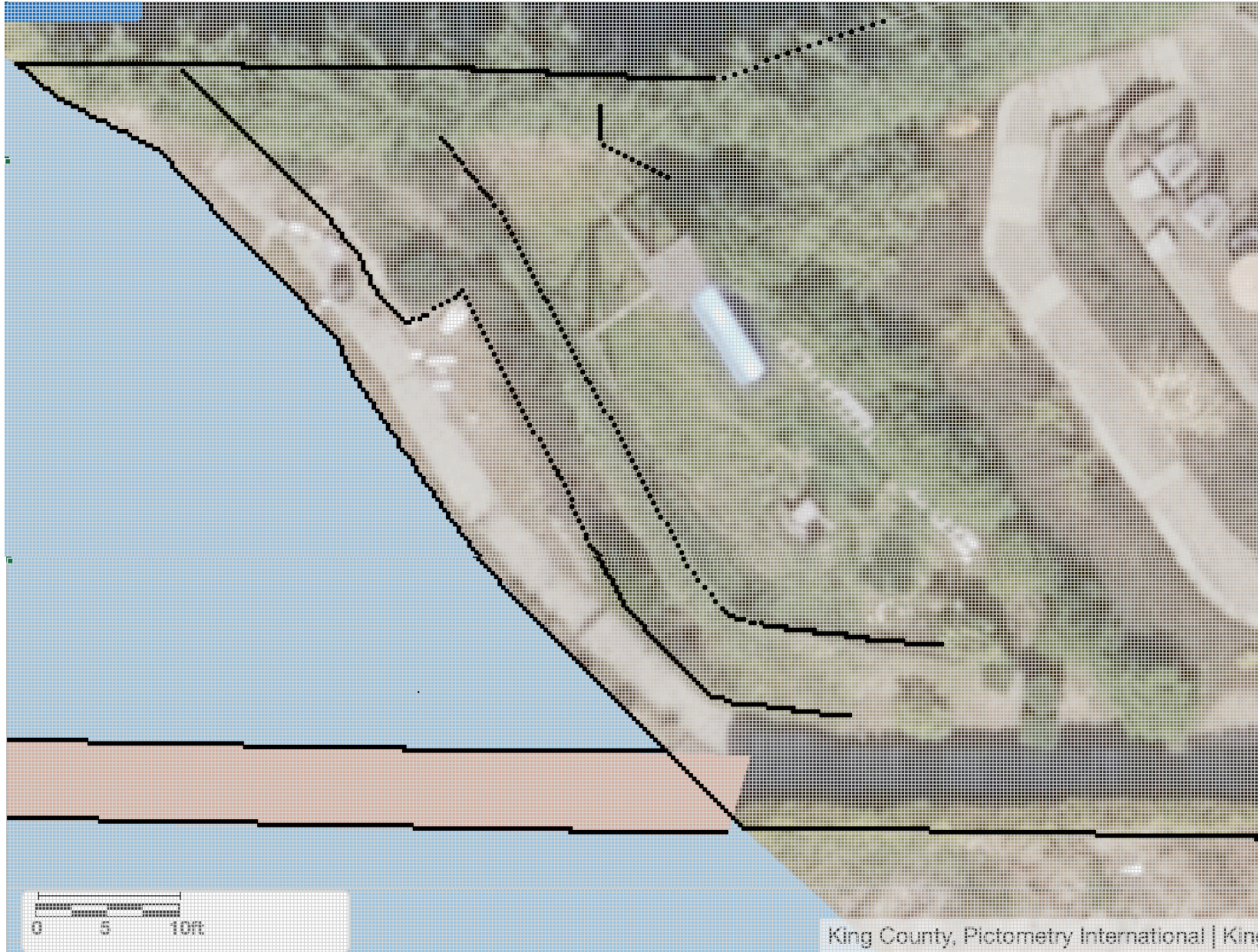
Site Plan (2 of 11) – Add markup property boundaries



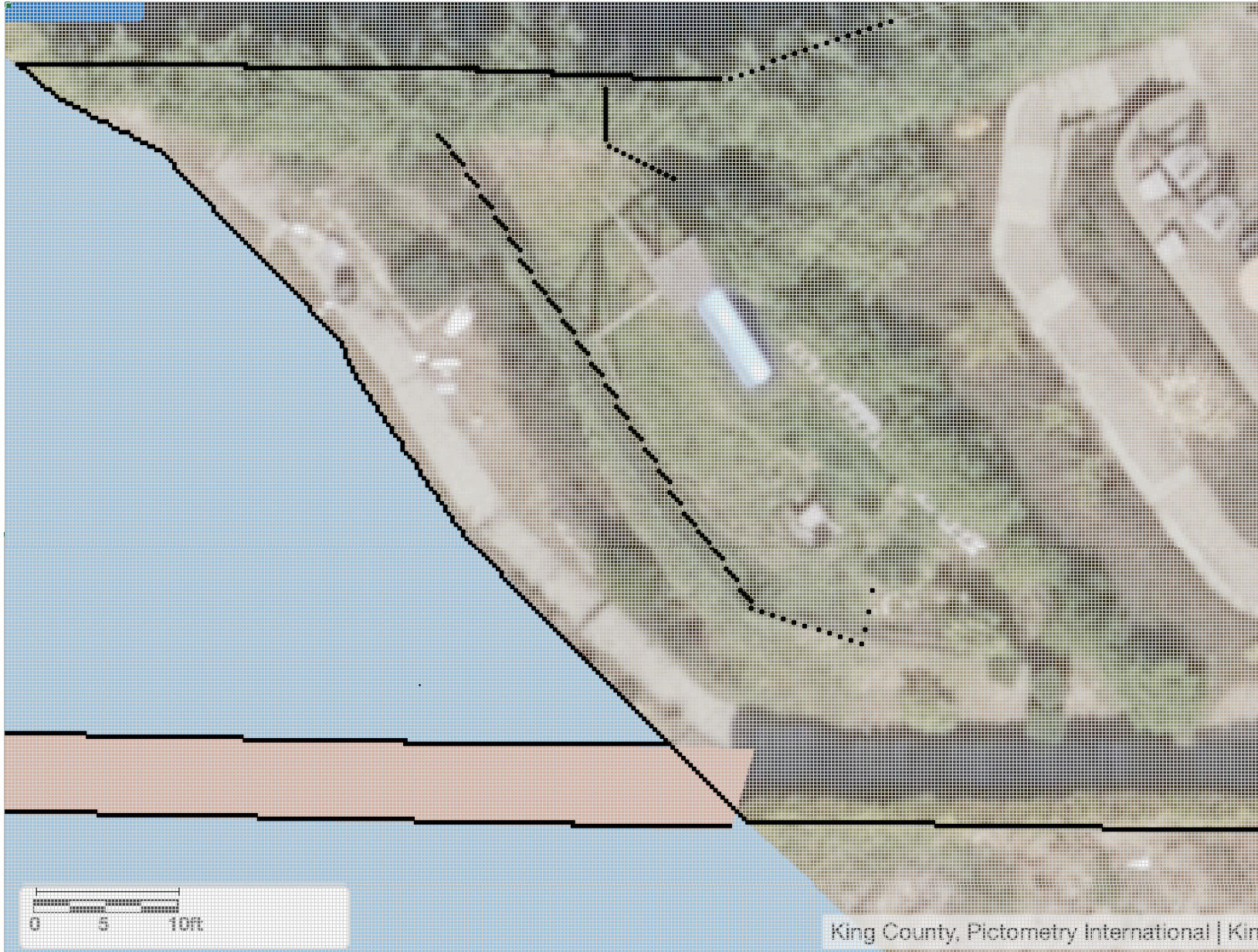
Site Plan (3 of 11) – Add existing timber wall sections in need of repair/replace



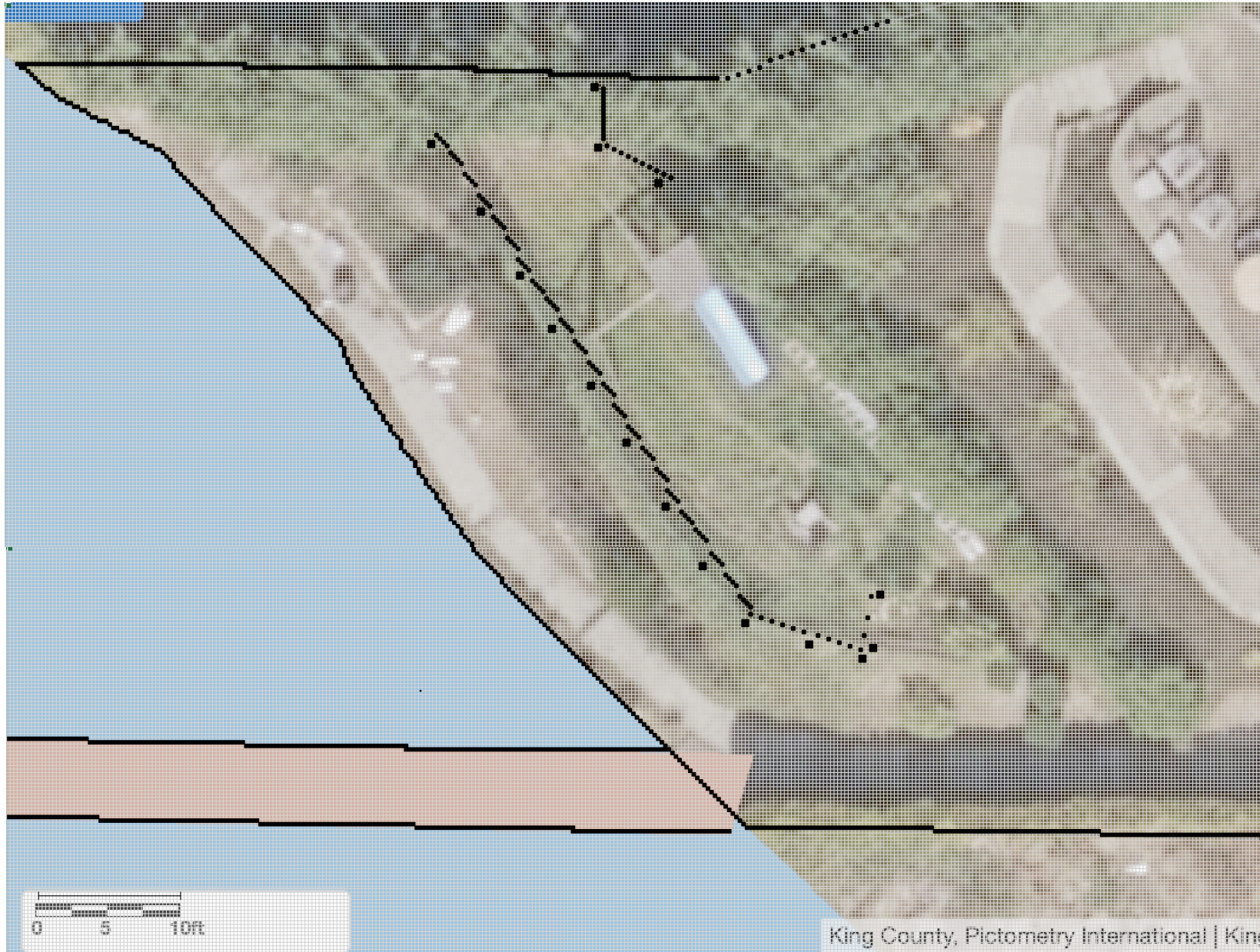
Site Plan (4 of 11) – Add existing rockery wall section also potentially in need of repair/replace



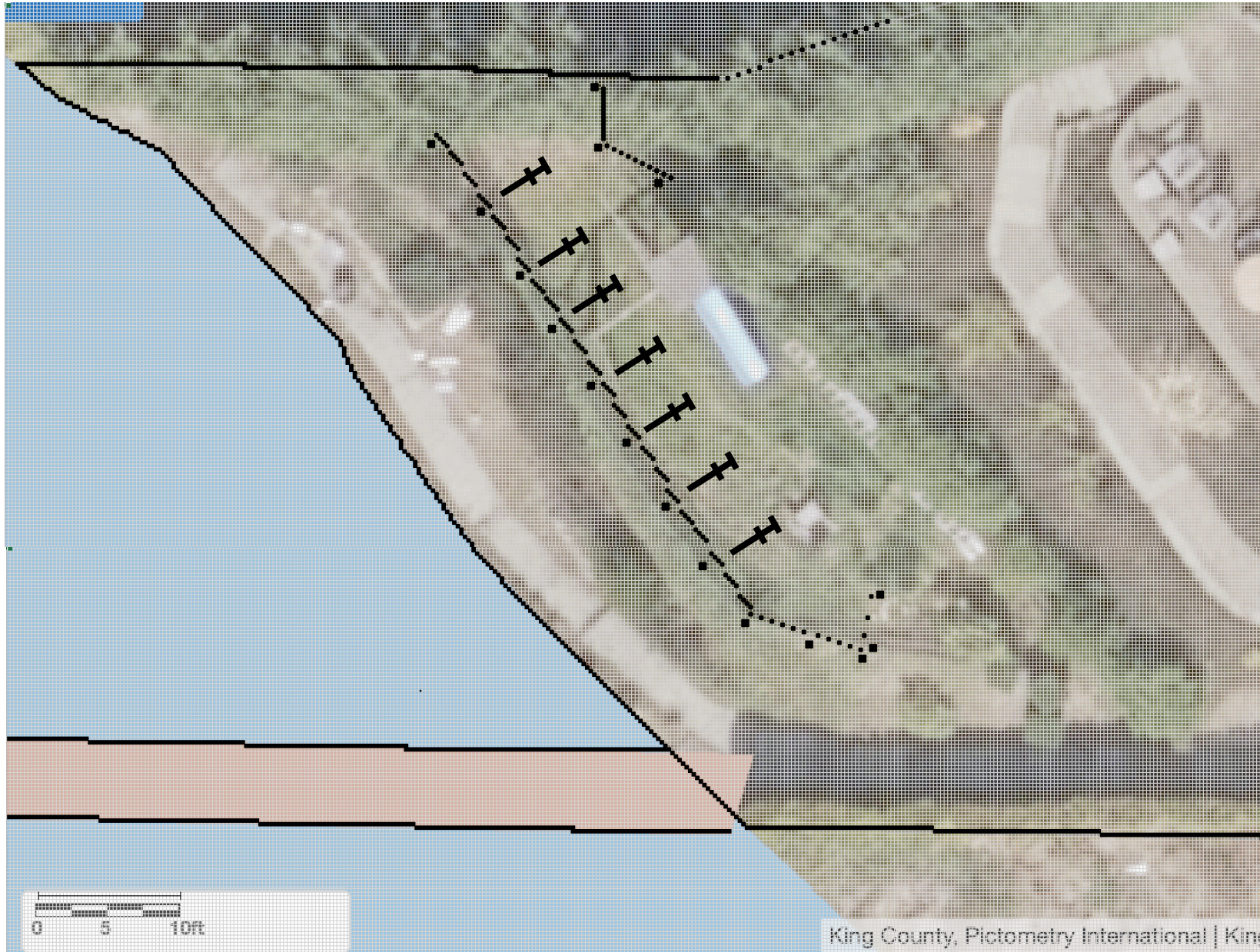
Site Plan (5 of 11) – New replacement timber wall (per plans) (and per work-in-progress)



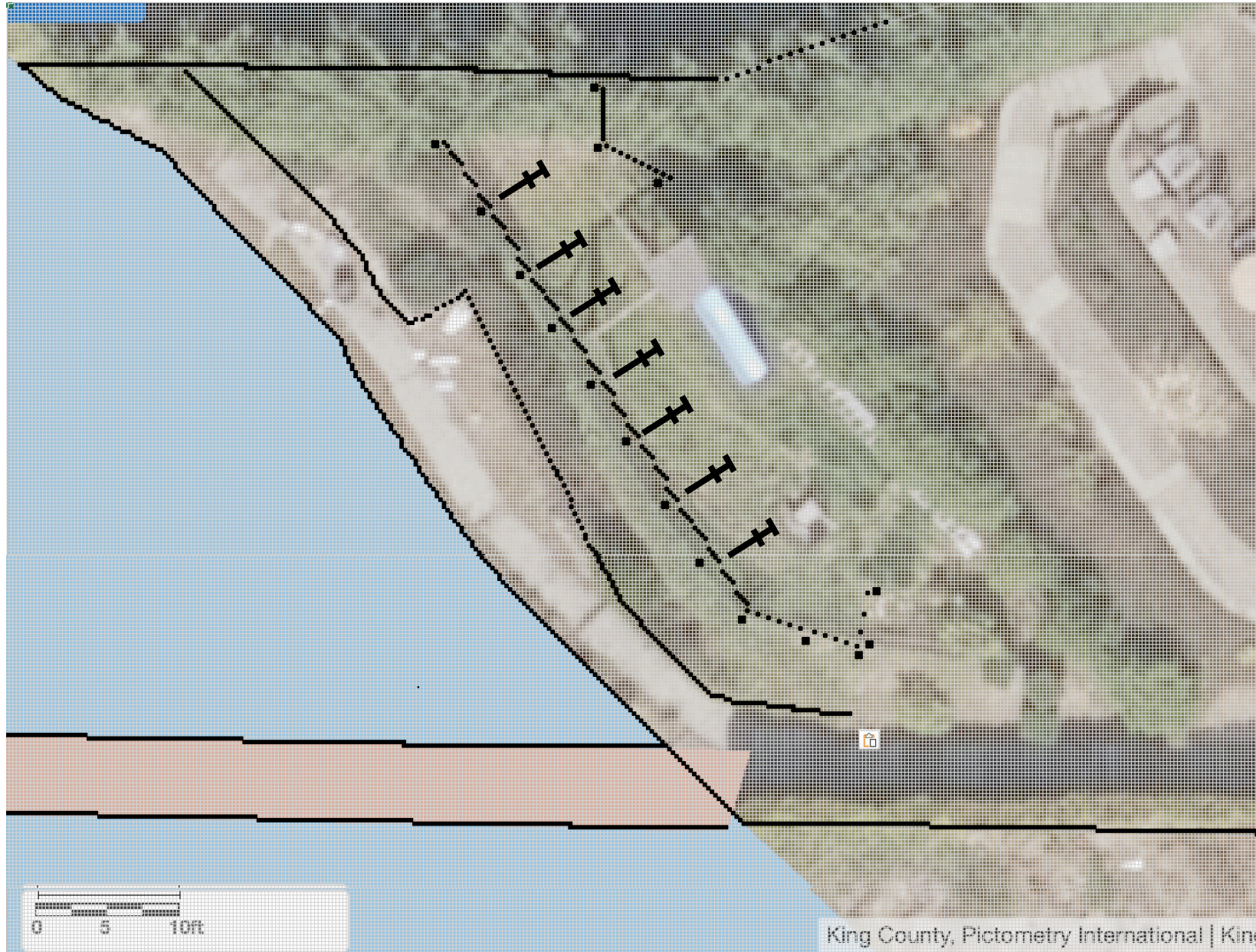
Site Plan (6 of 11) – New replacement timber wall post locations highlighted (per plans) (and per work-in-progress)



Site Plan (7 of 11) – New replacement timber wall deadman anchor locations highlighted (per plans) (and per work-in-progress)



Site Plan (8 of 11) – Add existing rockery wall



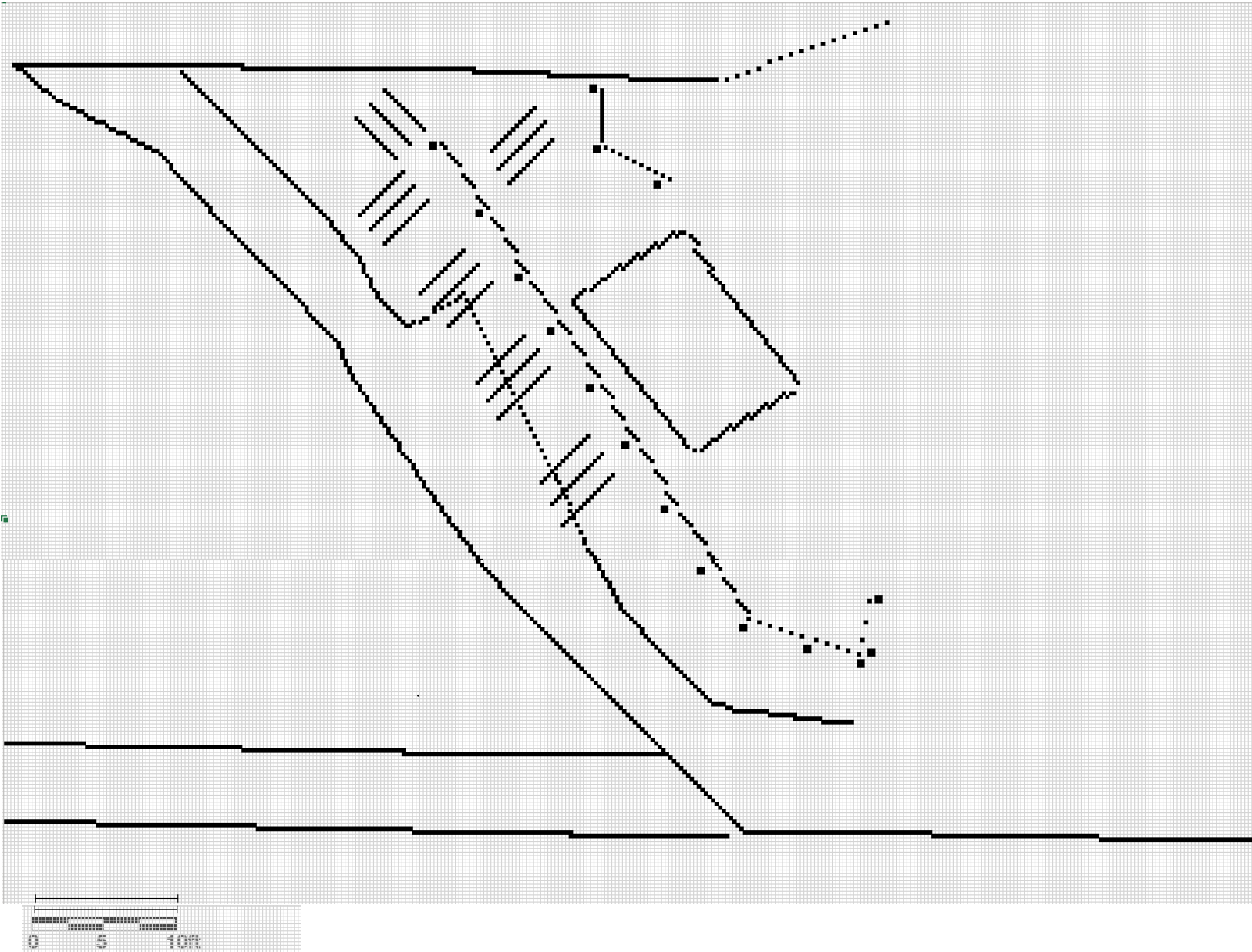
Site Plan (9 of 11) – Add new pisa 2 paver staircase along existing rockery wall (stairs reinforced with new concrete blocks)



Site Plan (10 of 11) – Add cabana pavillion



Site Plan (11 of 11) – Clean (no map background)



Cabana example designs



7709 W Mercer Way
APN: 5451300045
June 3, 2025
Backyard landscaping wall