

# FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ

<b>Project Name:</b>	Wayland Arms Apartments - Settlement Monitoring	<b>Report:</b> 003	
<b>GeoDesign #:</b>	KCHA-13-04	<b>Date:</b> 06/06/2024	
<b>Reports with Unresolved Nonconformance Issues:</b>		<b>Permit:</b>	
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	<b>Weather:</b> NA, indoors	<b>Arrival/Departure:</b> 0815/0840	<b>Prepared By:</b> Vinnie Oskierko
<b>Attachments:</b>	<input checked="" type="checkbox"/> Site Plan(s)	<input type="checkbox"/> Density Test Summary	<b>Signature:</b>
	<input type="checkbox"/> Installation Records	<input type="checkbox"/> Other	<b>Reviewed By:</b>

**SUMMARY OF CRACK MONITORING GAGE INSTALLATION AND READINGS:**

Dec 7, 2023, NV5 installs 5 crack monitoring gages at Wayland Arms Apartments in Auburn at the following locations and as shown on Figure 1.

MP-1 - Suite 100 central wall opposite interior hallway between floor and wall stud. Wall studs are hanging from 2nd floor joist and there is an existing gap between the floor slab and base plate.

MP-2 - Mechanical room central wall opposite interior hallway, between floor and cinder block wall.

MP-3 - Mechanical Room north wall behind fire water pipes between floor slab and cinder block wall.

MP-4 - Mechanical Room south wall west of boiler behind 6-inch metal ducting pipe, between floor slab and wall.

MP-5 - Water Tank room, west side of building just north of mechanical room accessed through exterior doors.

**June 6, 2024**

I visited the site to take readings of the crack monitoring gages that were installed by NV5 on December 7, 2023 and then measured on January 23, 2024 once the alignment pins were removed, and again on March 5th, 2024. When I arrived on site, I met with Simon Rinehart with King County Housing Authority. We went to the site of the gages and readings were taken. Figures 2 through 6 below document initial readings in January 2024 and follow up readings.

**Summary of readings:**

The following summary provides the position of the crack monitors, with the January 2024 readings being the baseline. Readings are in mm.

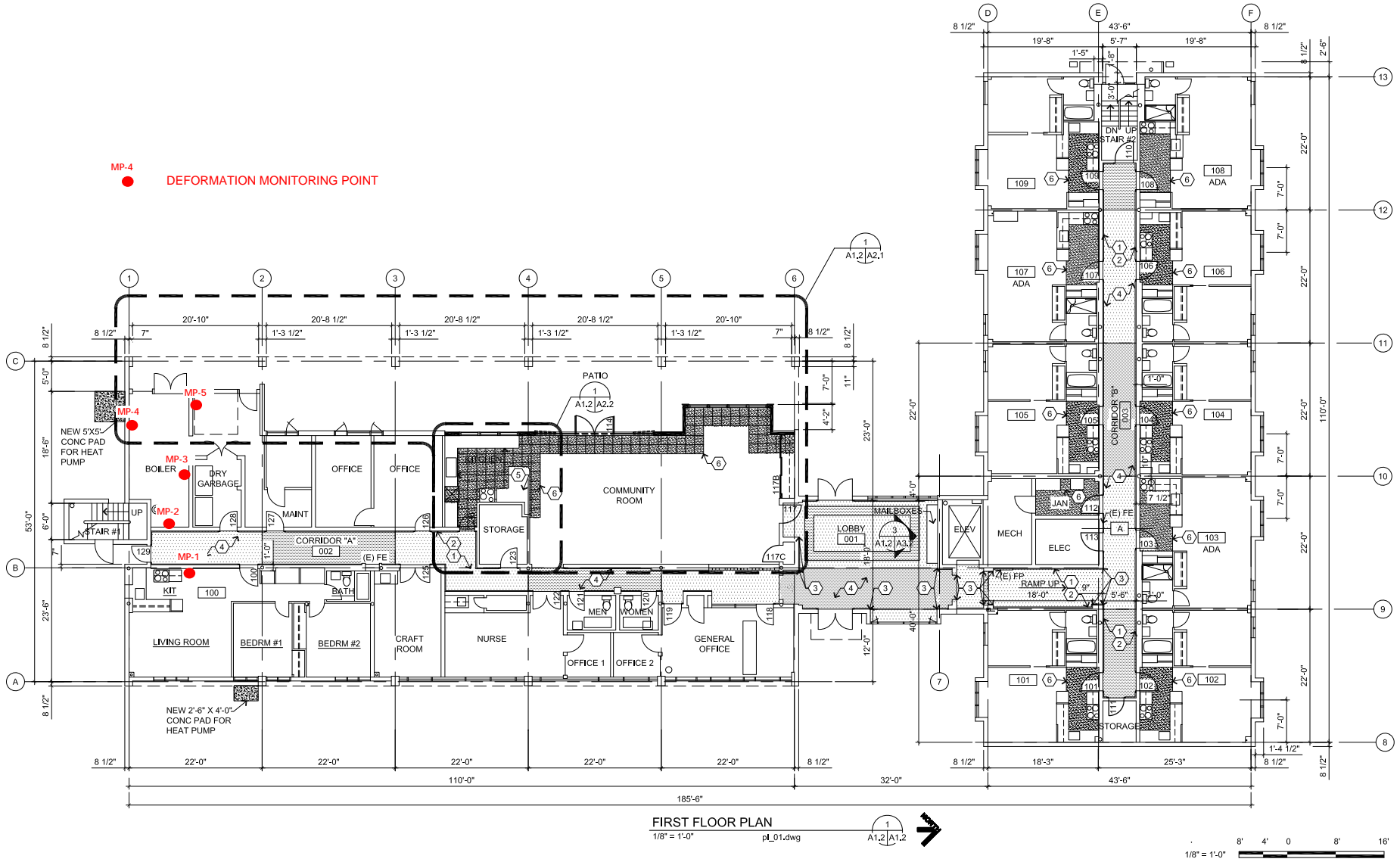
	January 2024		March 2024		June 2024	
	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical
MP-1	0.0	0.0	0.00	-1.00	-1.0	-0.5
MP-2	0.0	0.0	0.0	0.0	0.0	0.0
MP-3	0.0	0.0	0.0	0.0	0.0	0.0
MP-4	0.0	0.0	0.0	0.0	0.0	0.0
MP-5	1.5	0	1.0	-1.0	1.0	-1.0

**Recommendation**

Based on the first round of readings, and this follow up reading, we do not have enough data to determine if the slab is stable. It is too early to determine if the slab requires stabilization. We recommend continuing to read the gages on a 3-month interval for the first year (until December 2024) and revise monitoring intervals based on past readings.

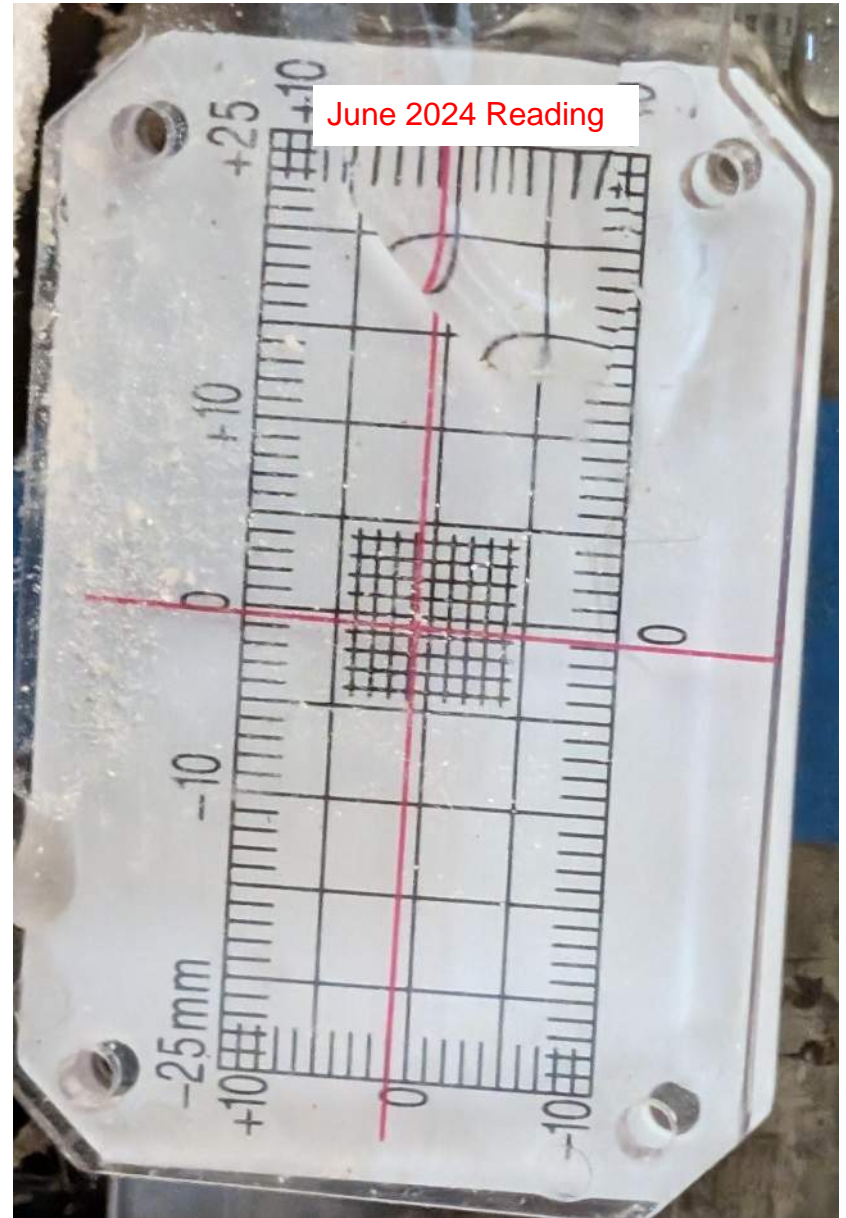
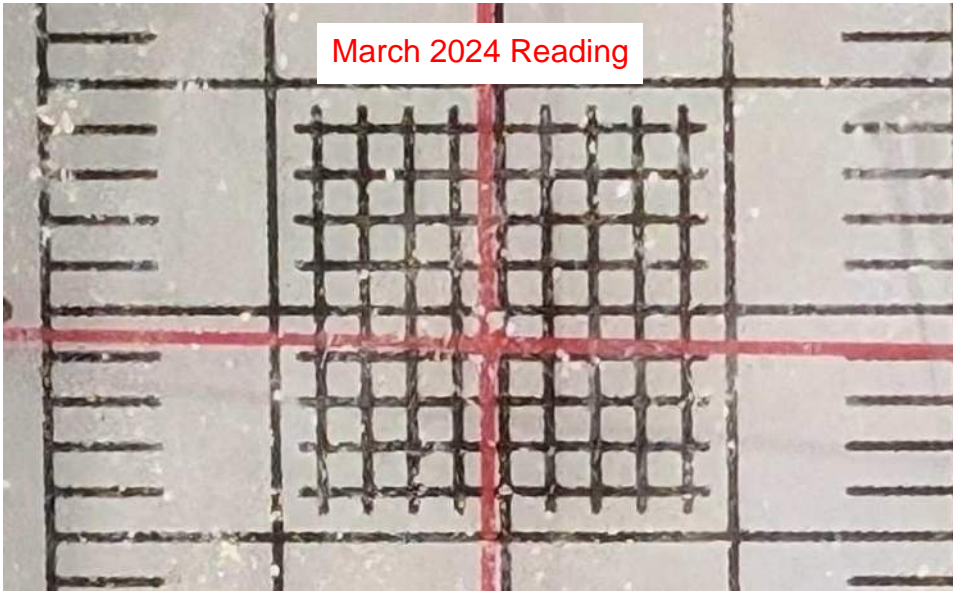
This report presents opinions formed as a result of our observation of activities relating to geotechnical engineering or environmental services. We rely on the contractor to comply with the plans and specifications throughout the duration of the project irrespective of the presence of our representative. Our work does not include supervision or direction of the contractor, the contractor's employees or agents. Our firm is not responsible for site safety. This field report is a DRAFT representation of our field observations, testing, and preliminary recommendations. The report can only be considered final upon review of the GeoDesign project manager, as indicated by initials in the "Reviewed By" section.

# FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ



	KCHA-13-04	MONITORING POINT LOCATIONS	
	JUNE 2024	WAYLAND ARMS APARTMENTS AUBURN, WA	FIGURE 1

# FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ



KCHA-13-04

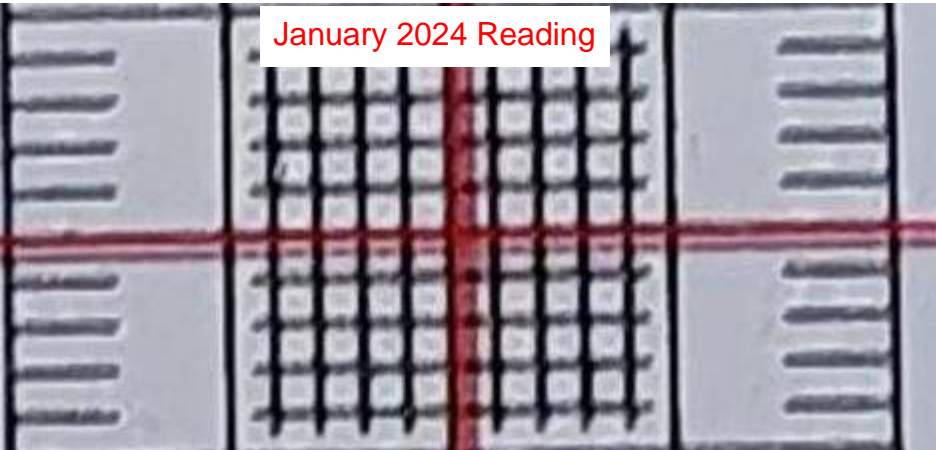
JUNE 2024

MONITORING POINT READINGS - MP1

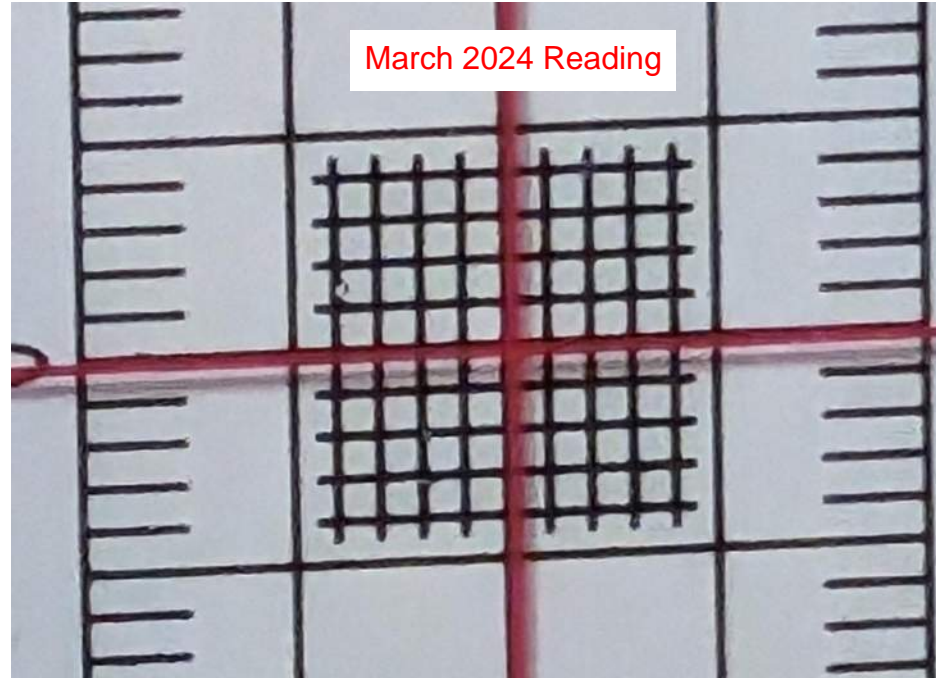
WAYLAND ARMS APARTMENTS  
AUBURN, WA

FIGURE 2

# FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ



January 2024 Reading



March 2024 Reading



June 2024 Reading



KCHA-13-04

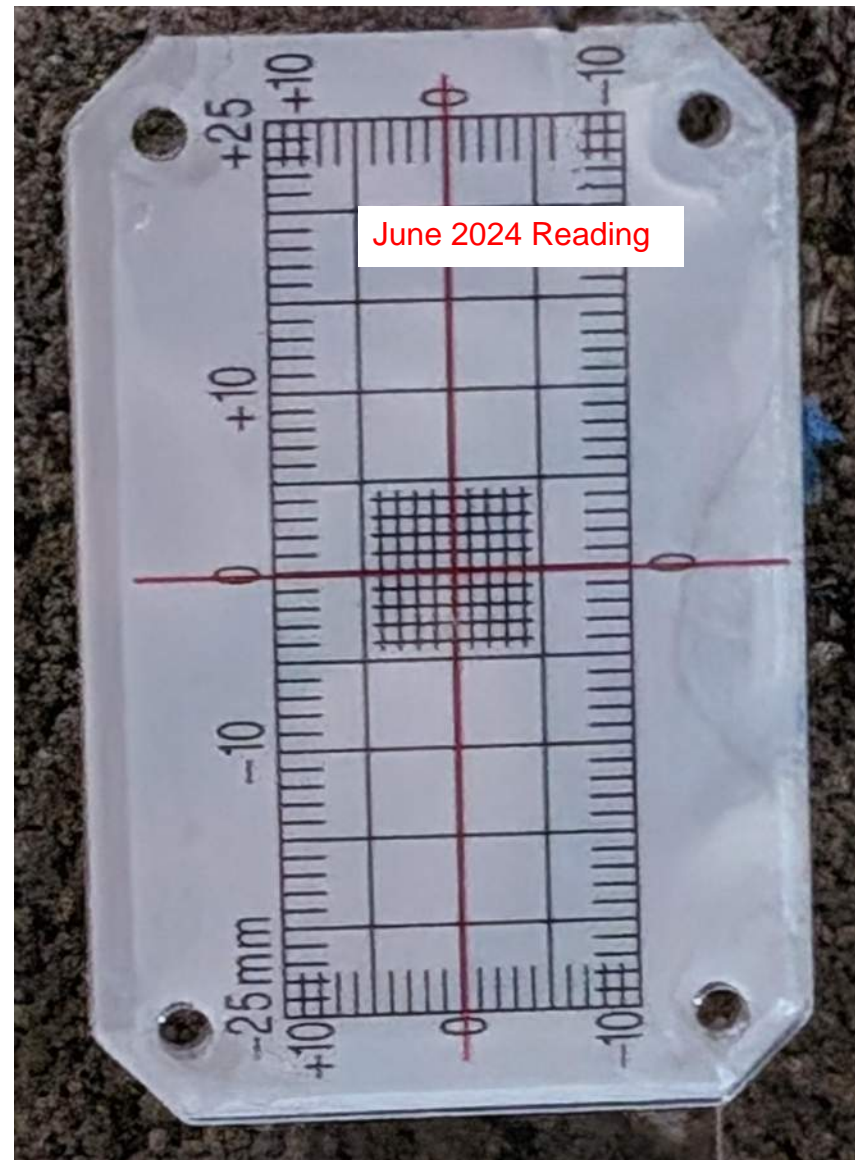
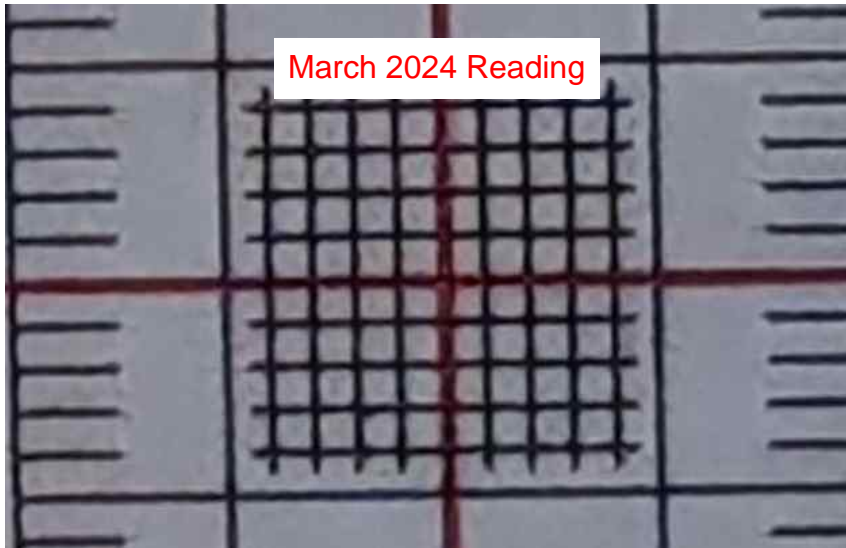
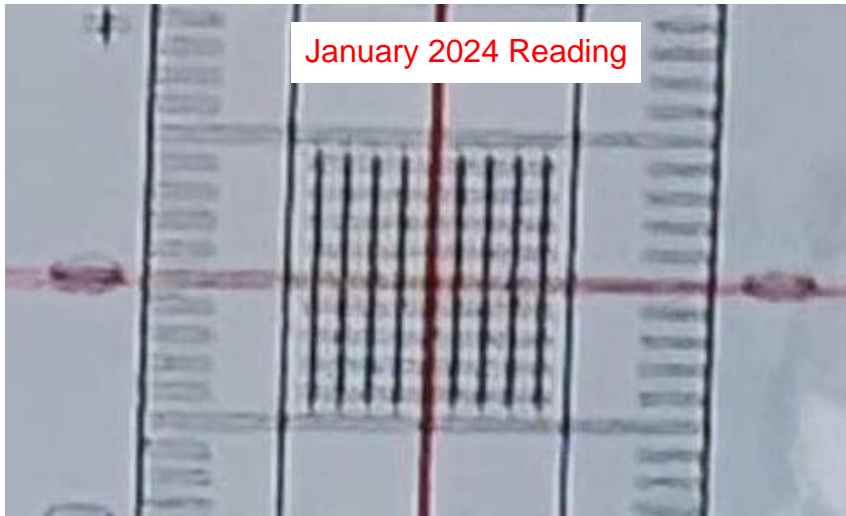
JUNE 2024

MONITORING POINT READINGS - MP2

WAYLAND ARMS APARTMENTS  
AUBURN, WA

FIGURE 3

# FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ



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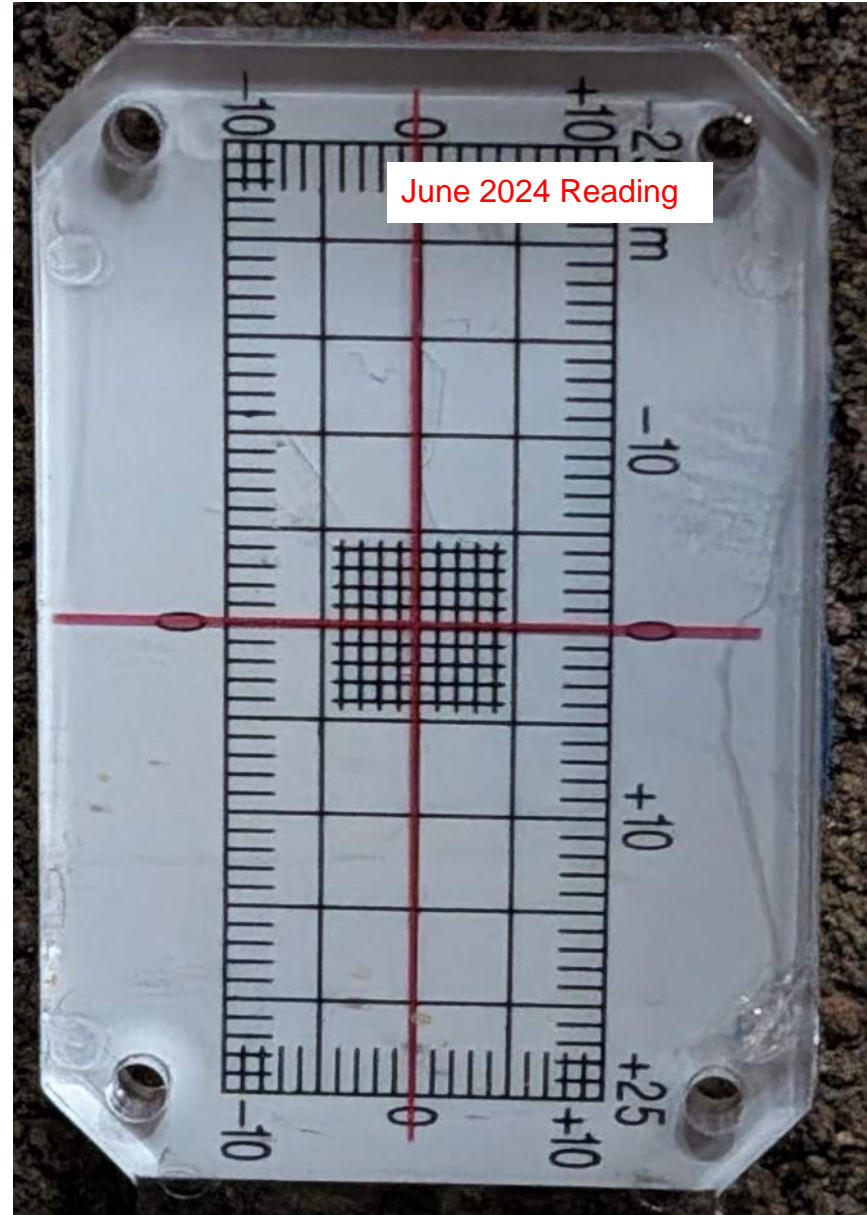
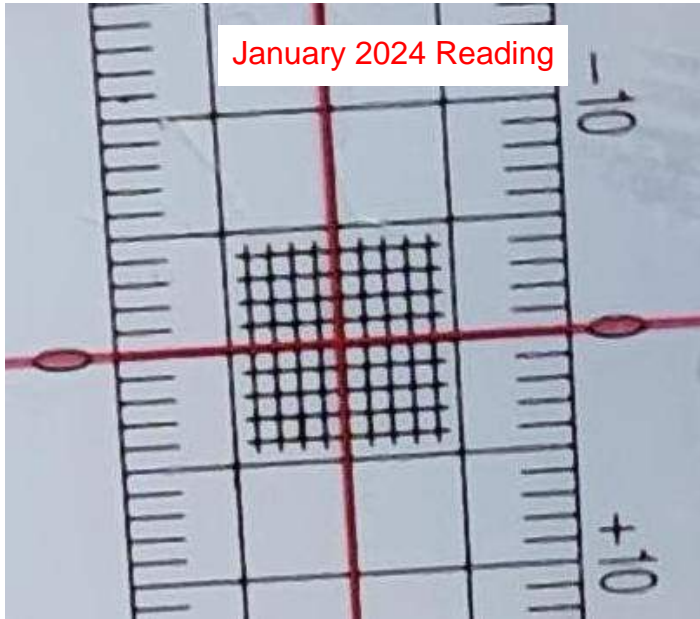
JUNE 2024

MONITORING POINT READINGS - MP3

WAYLAND ARMS APARTMENTS  
AUBURN, WA

FIGURE 4

# FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ



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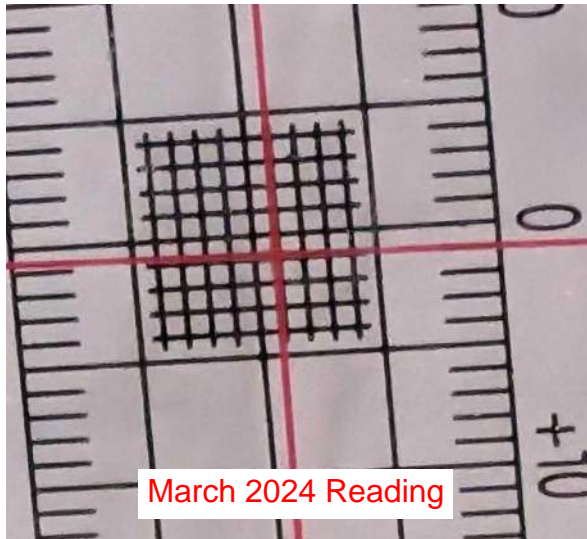
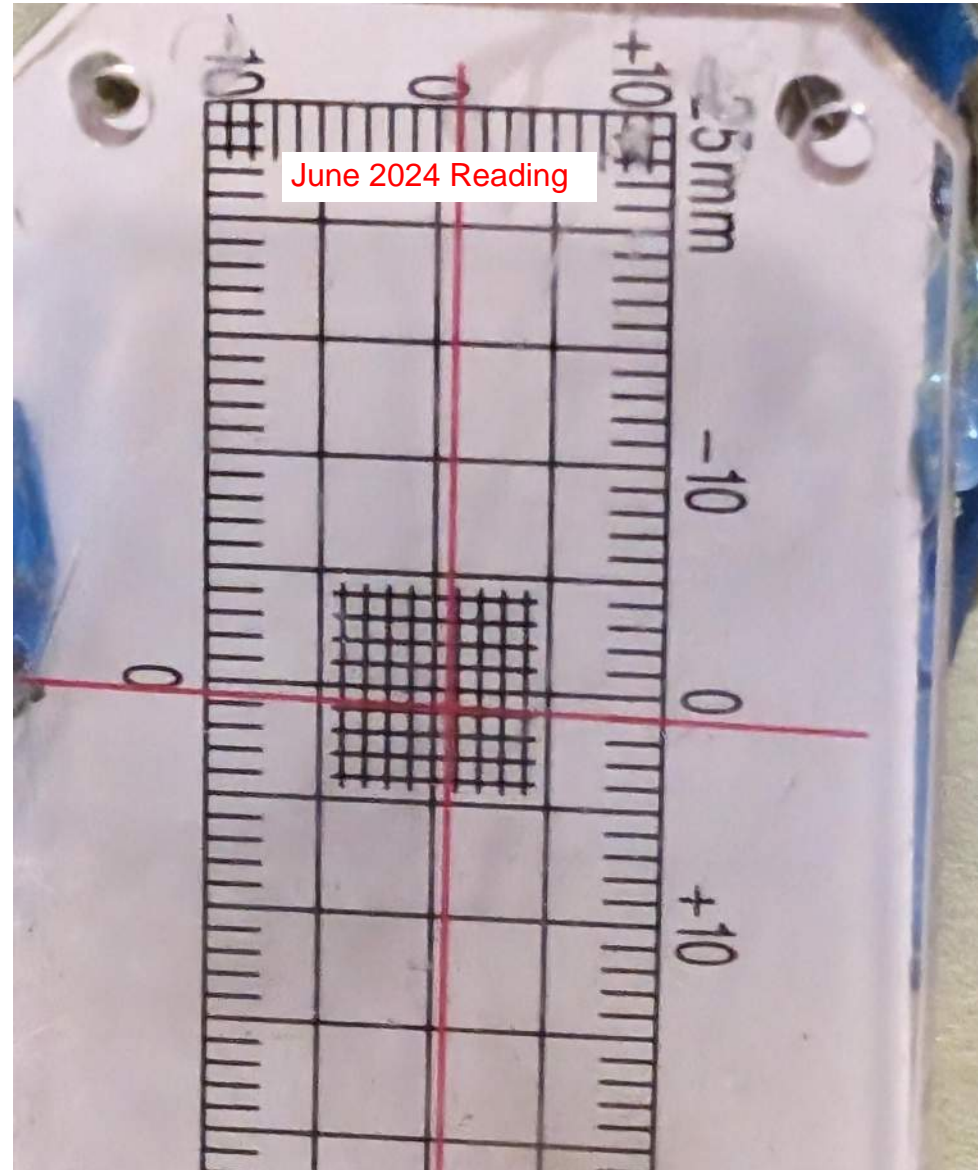
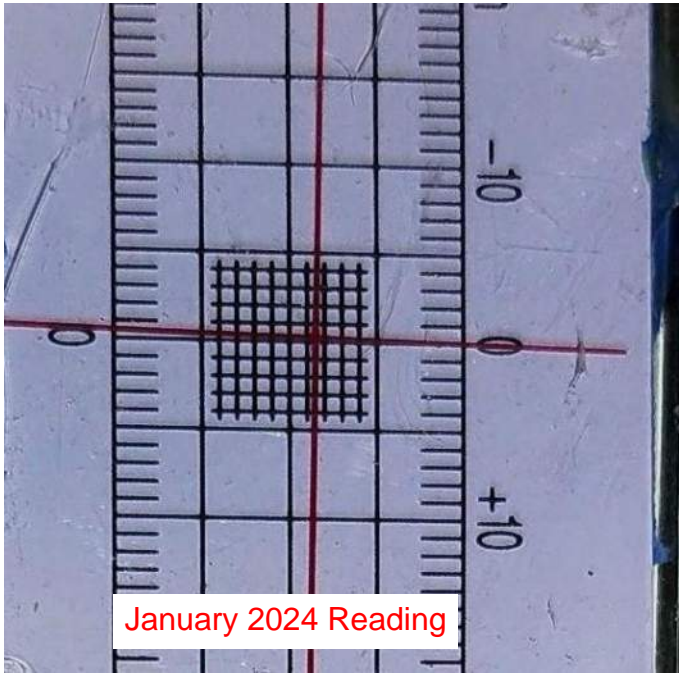
JUNE 2024

MONITORING POINT READINGS - MP4

WAYLAND ARMS APARTMENTS  
AUBURN, WA

FIGURE 5

# FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ



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MONITORING POINT READINGS - MP5

JUNE 2024

WAYLAND ARMS APARTMENTS  
AUBURN, WA

FIGURE 6