



FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ

Project Name:	Wayland Arms Apartments - Settlement Monitoring		Report: 002
GeoDesign # :	KCHA-13-04		Date: 03/05/2024
Reports with Unresolved Nonconformance Issues:			Permit:
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	Michael Cuadra <MichaelC@kcha.org>		
	Weather: NA, indoors	Arrival/Departure: 0850/0915	Prepared By: 
Attachments:	<input checked="" type="checkbox"/> Site Plan(s)	<input type="checkbox"/> Density Test Summary	Signature:
	<input type="checkbox"/> Installation Records	<input type="checkbox"/> Other	Reviewed By: 

SUMMARY OF CRACK MONITORING GAGE INSTALLATION AND READINGS:

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.

March 5, 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, 2023 once the alignment pins were removed. When I arrived on site, I met with Kevin Johnson and David Curtice 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:

MP-1 : 1mm vertical movement, no horizontal movement since January 2024 readings

MP-2 : No vertical or horizontal movement since January 2024 readings.

MP-3 : No vertical or horizontal movement since January 2024 readings.

MP-4 : No vertical or horizontal movement since January 2024 readings.

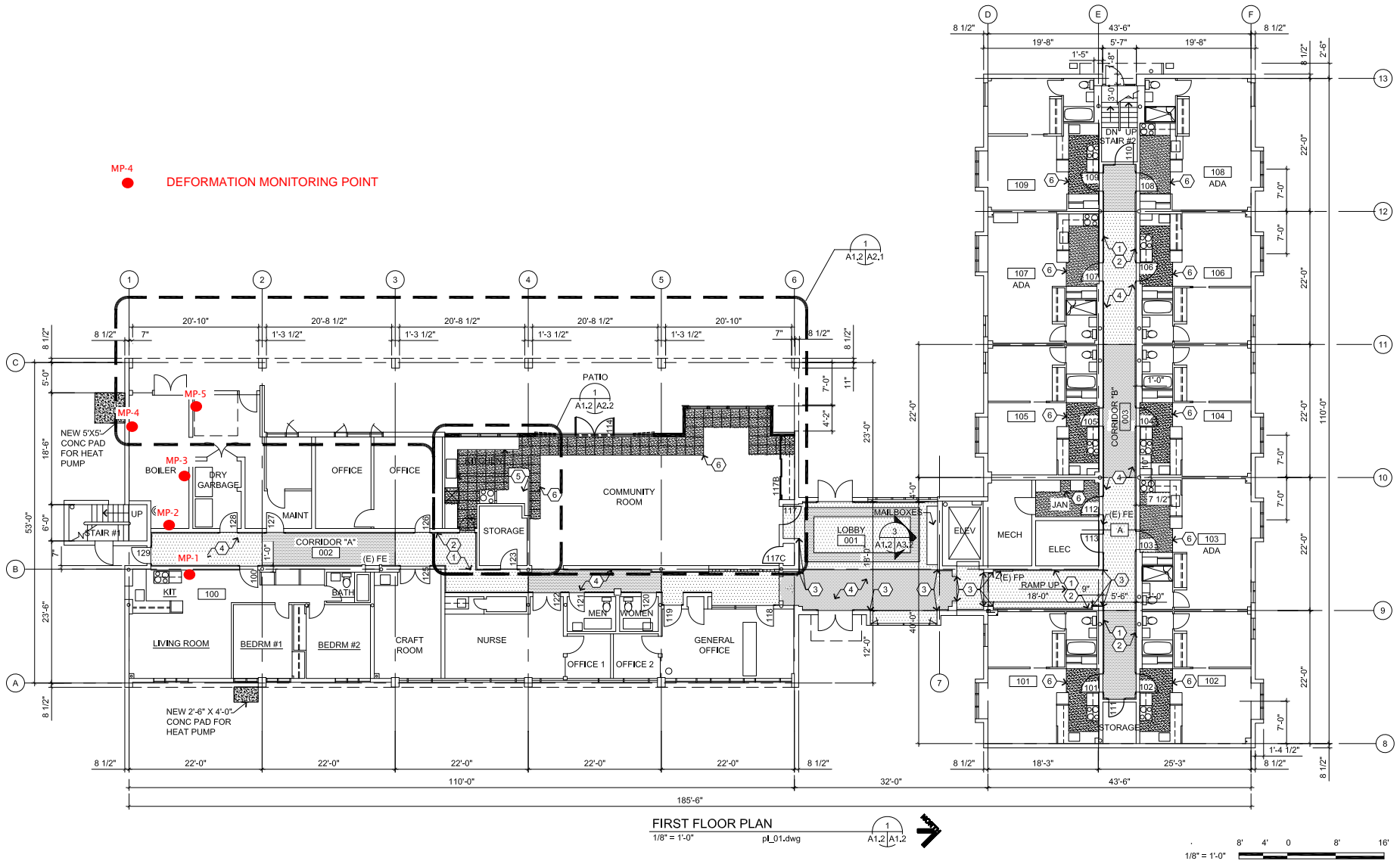
MP-5 : 1mm vertical movement, no horizontal movement since January 2024 readings

Recommendation

Based on the first round of readings, 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 first year (until December 2024) and revise monitoring interval 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.

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N|V|5

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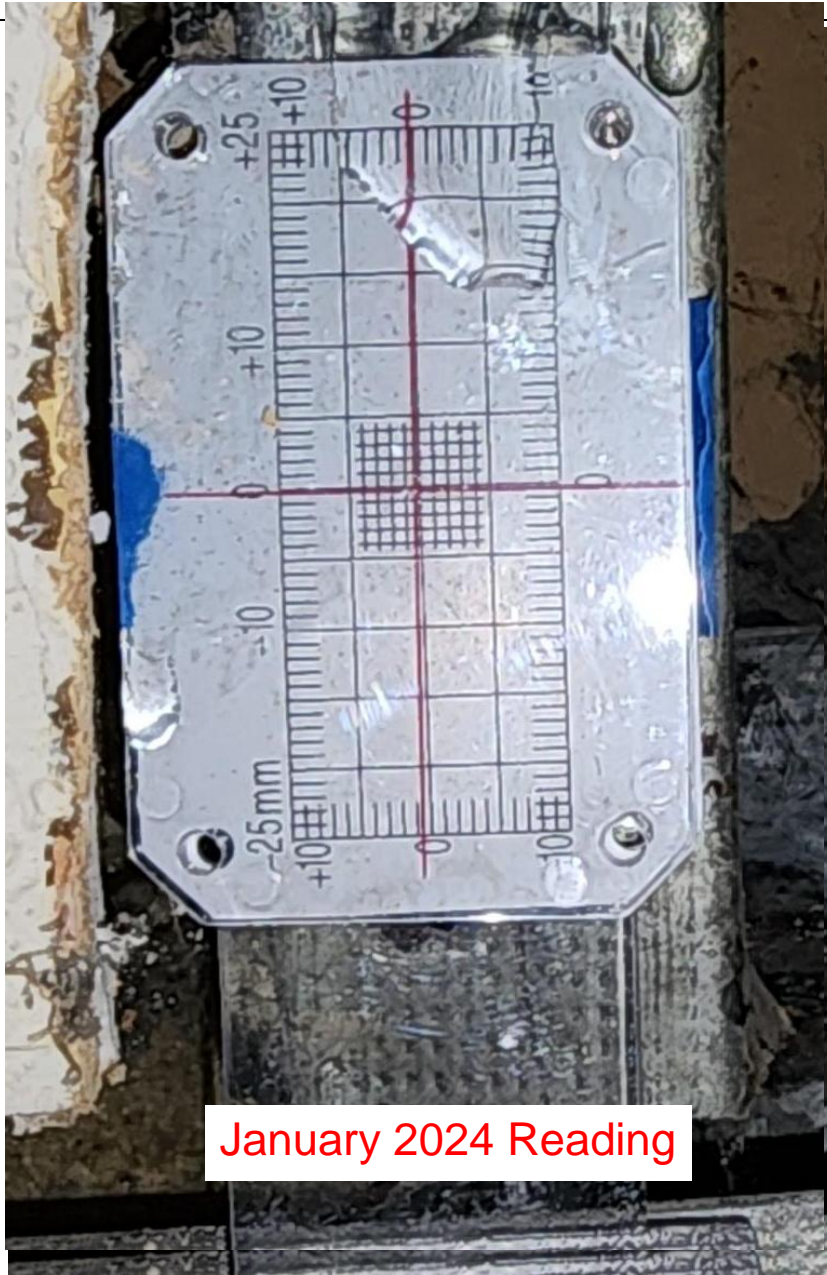
MARCH 2024

MONITORING POINT LOCATIONS

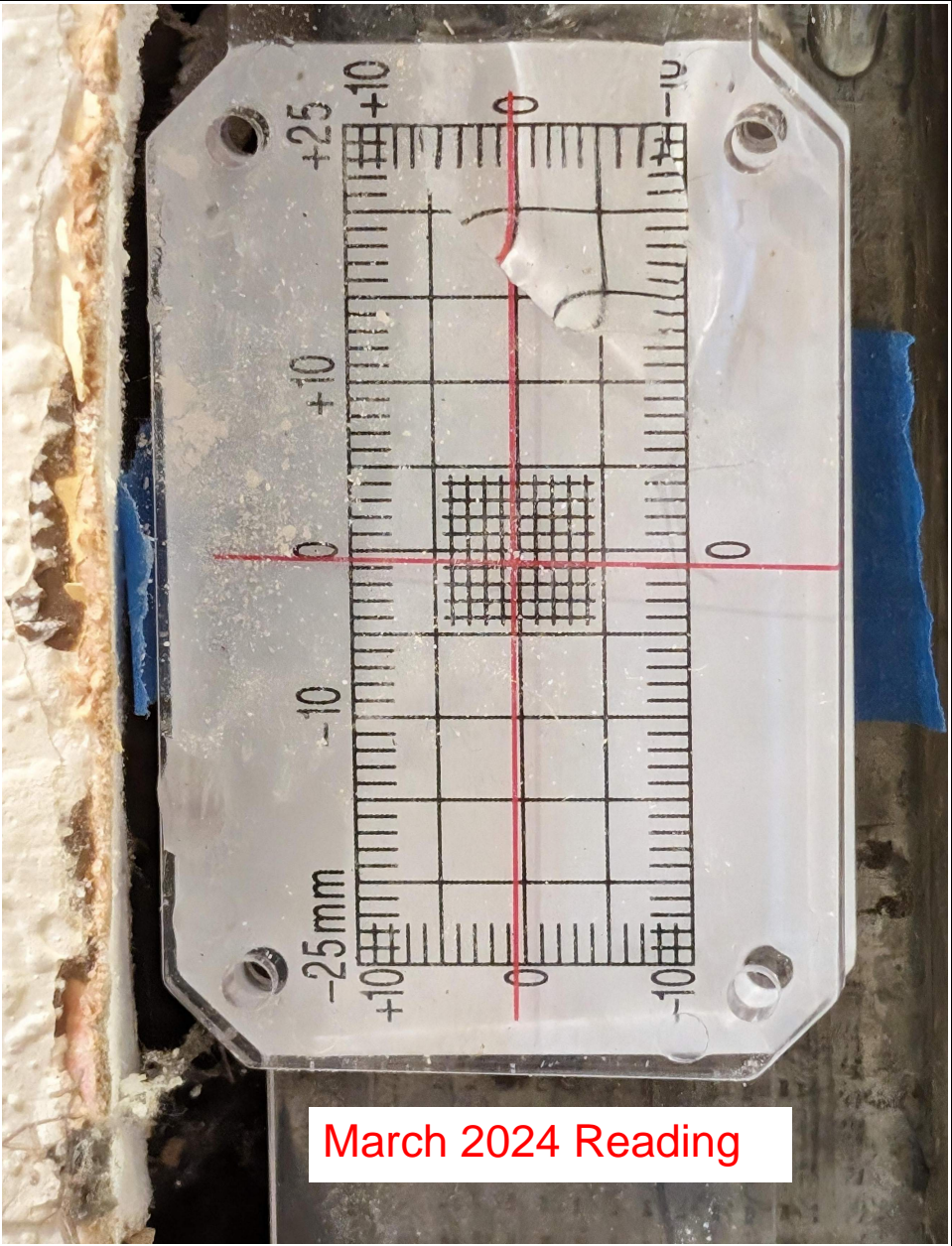
WAYLAND ARMS APARTMENTS
AUBURN, WA

FIGURE 1

FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ



January 2024 Reading



March 2024 Reading

N|V|5

KCHA-13-04

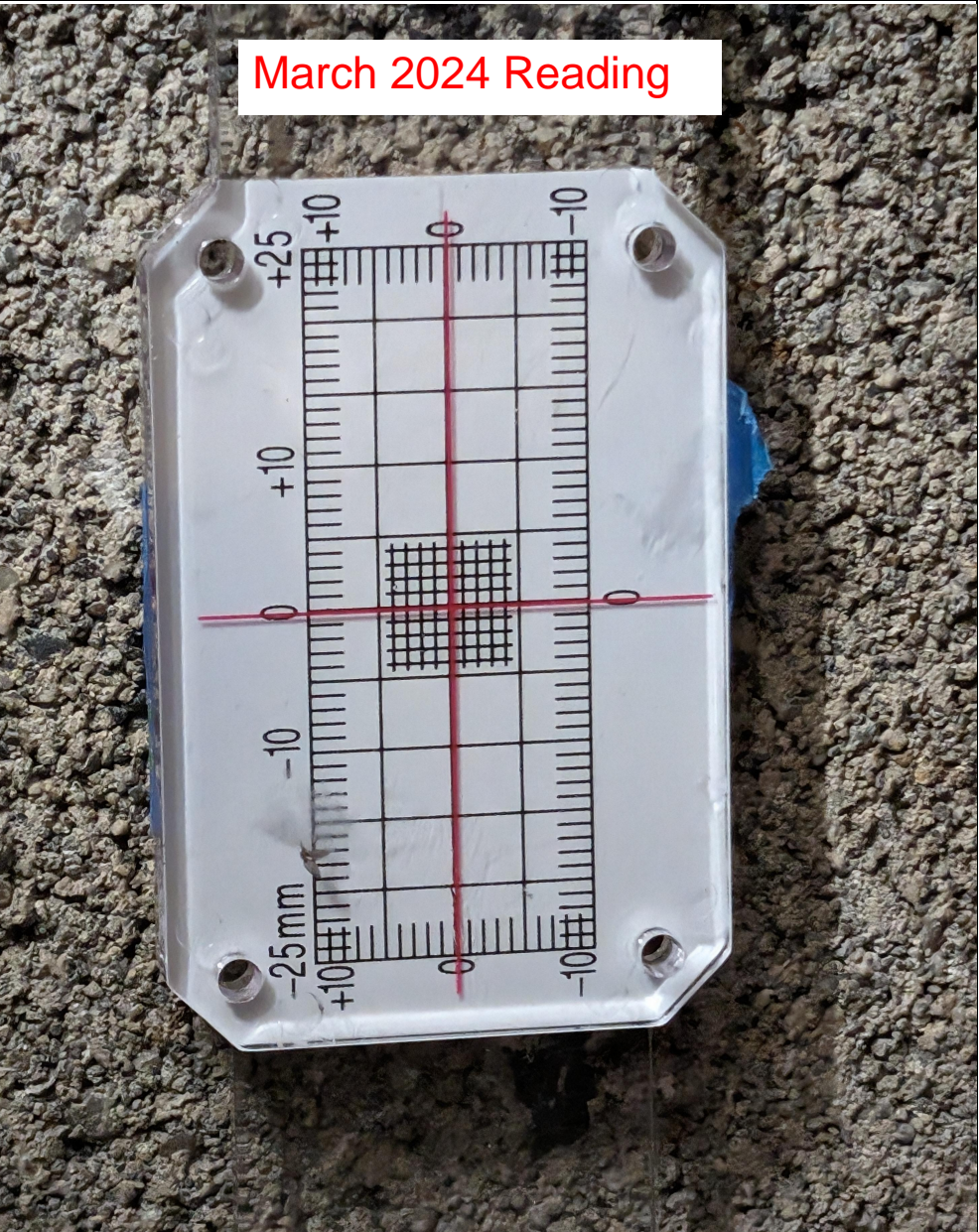
MONITORING POINT READINGS - MP1

MARCH 2024

WAYLAND ARMS APARTMENTS
AUBURN, WA

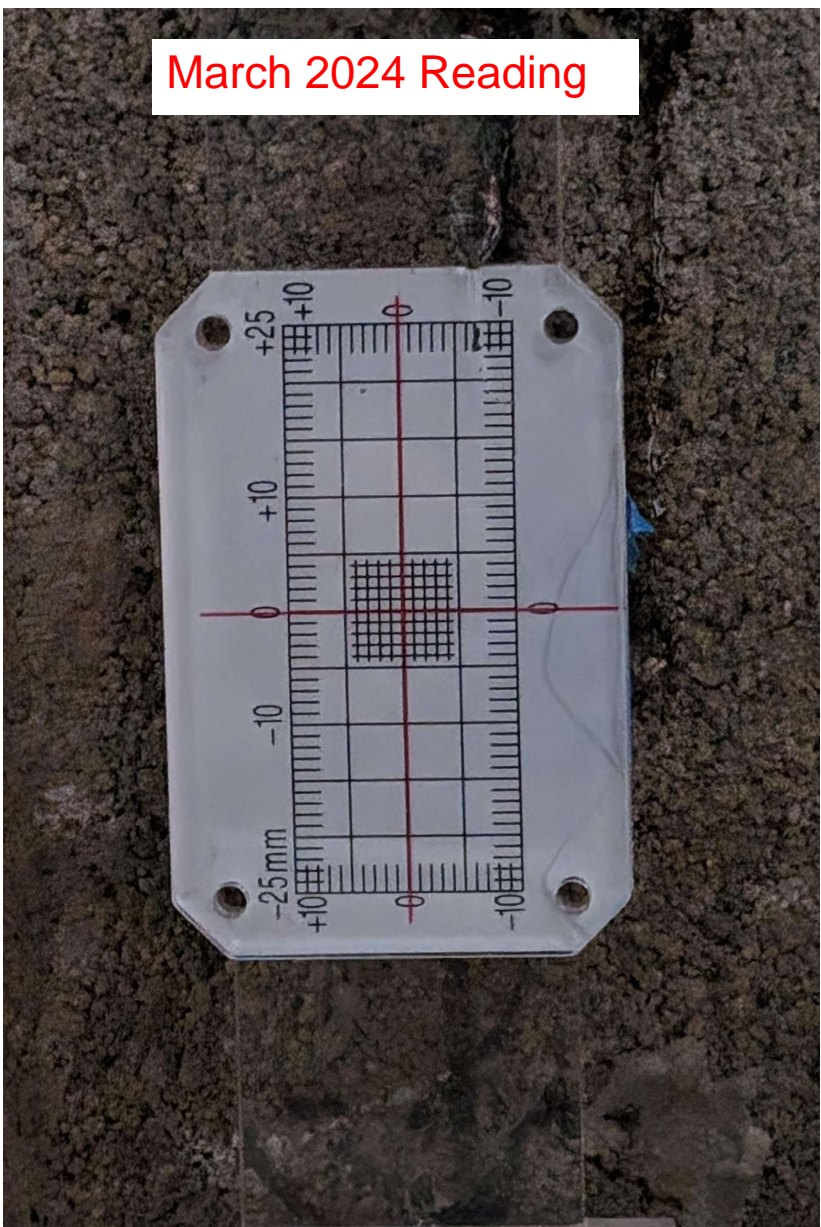
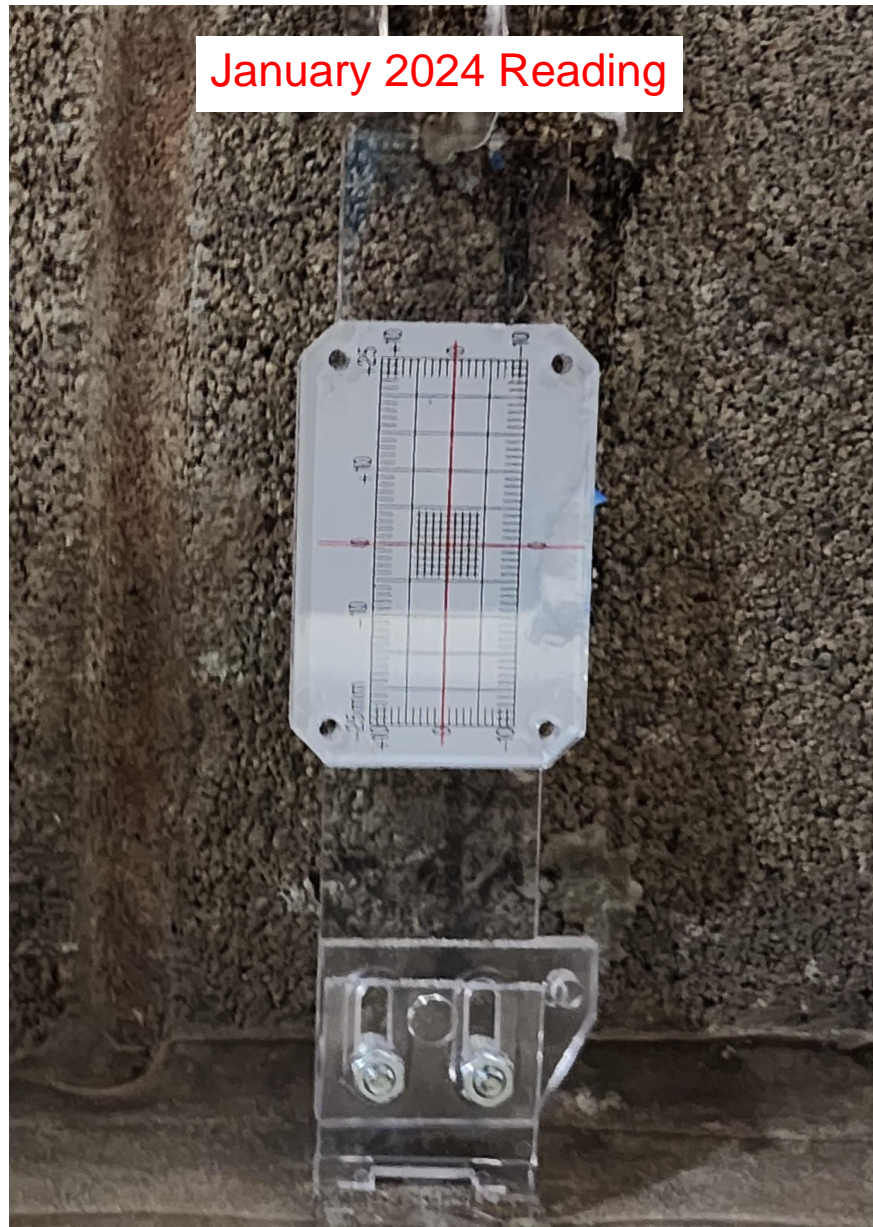
FIGURE 2

FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ



	KCHA-13-04	MONITORING POINT READINGS - MP2	
	MARCH 2024	WAYLAND ARMS APARTMENTS AUBURN, WA	FIGURE 3

FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ



N|V|5

KCHA-13-04

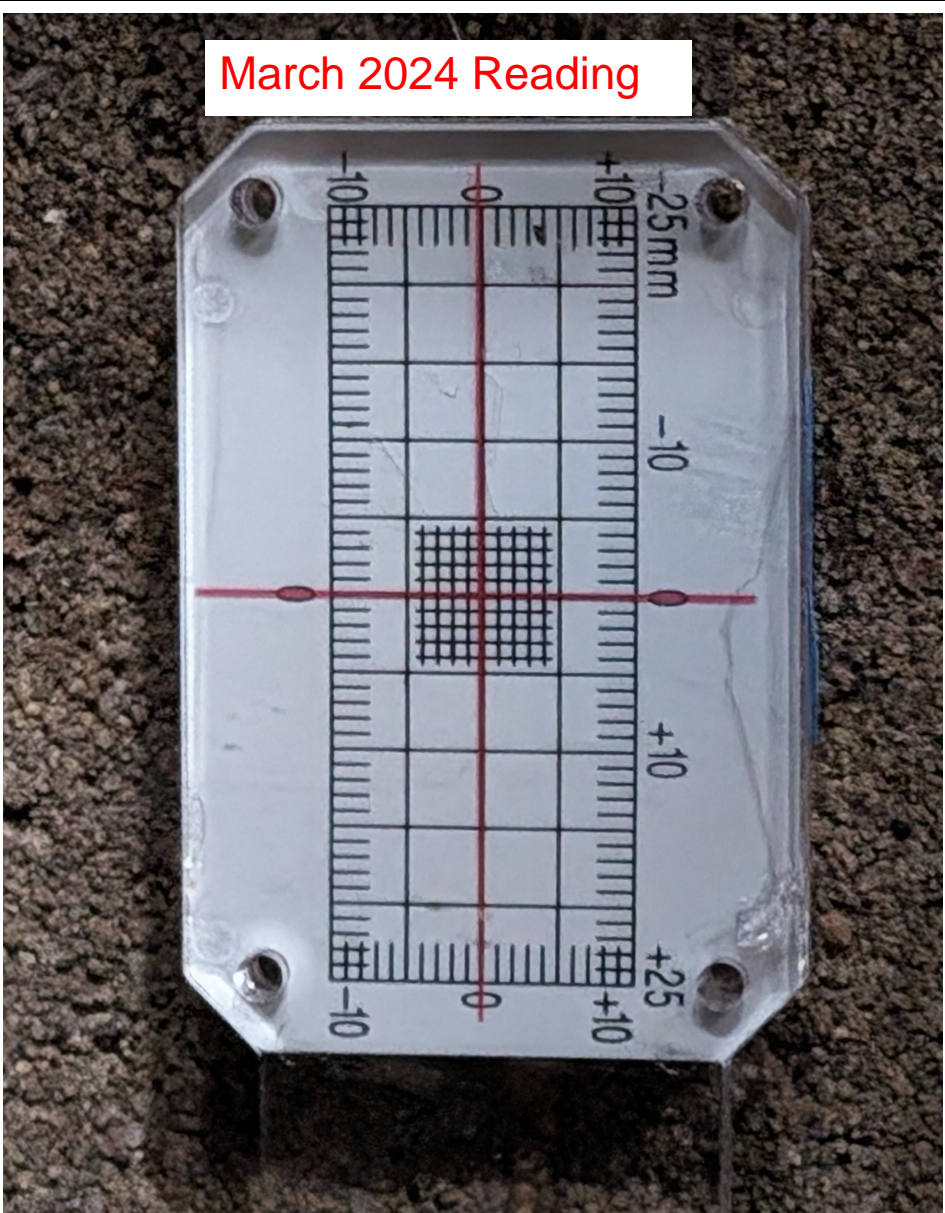
MONITORING POINT READINGS - MP3

MARCH 2024

WAYLAND ARMS APARTMENTS
AUBURN, WA

FIGURE 4

FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ



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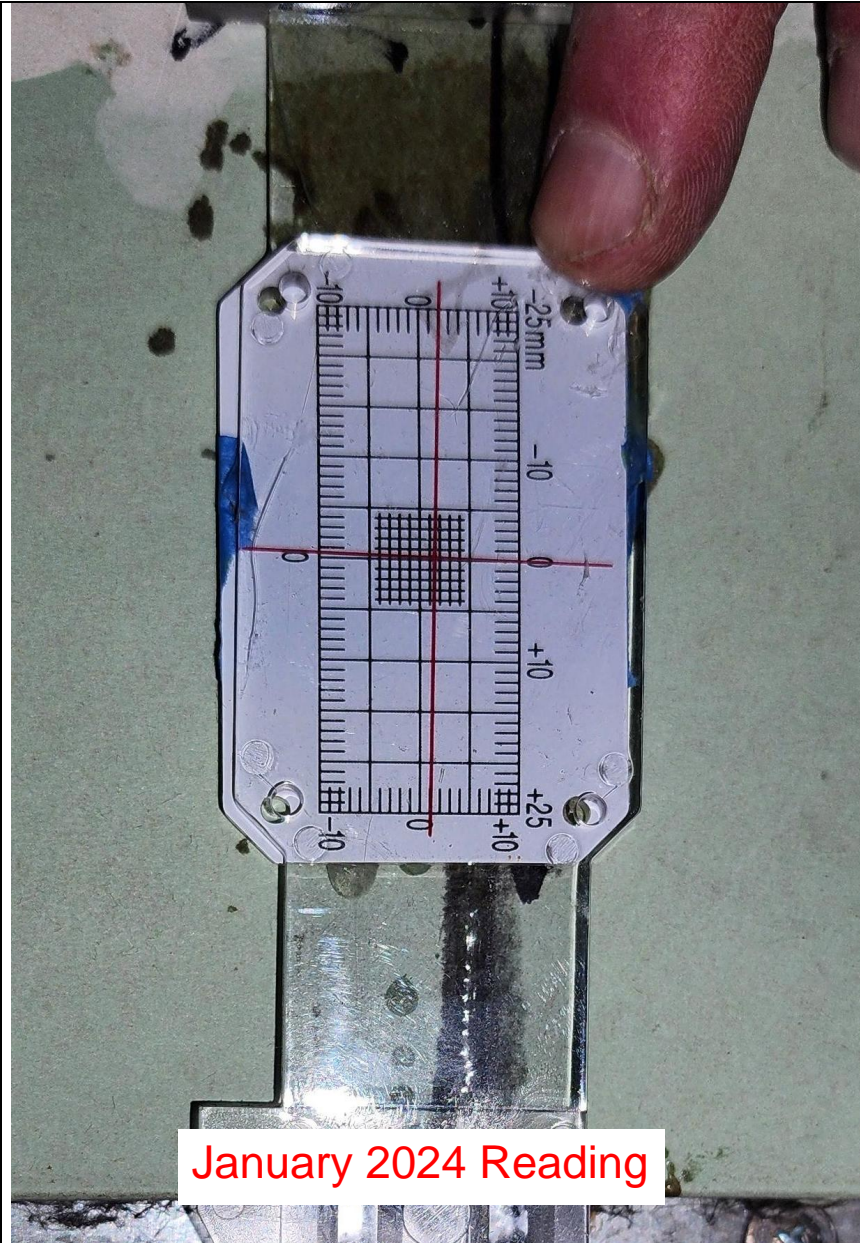
MONITORING POINT READINGS - MP4

MARCH 2024

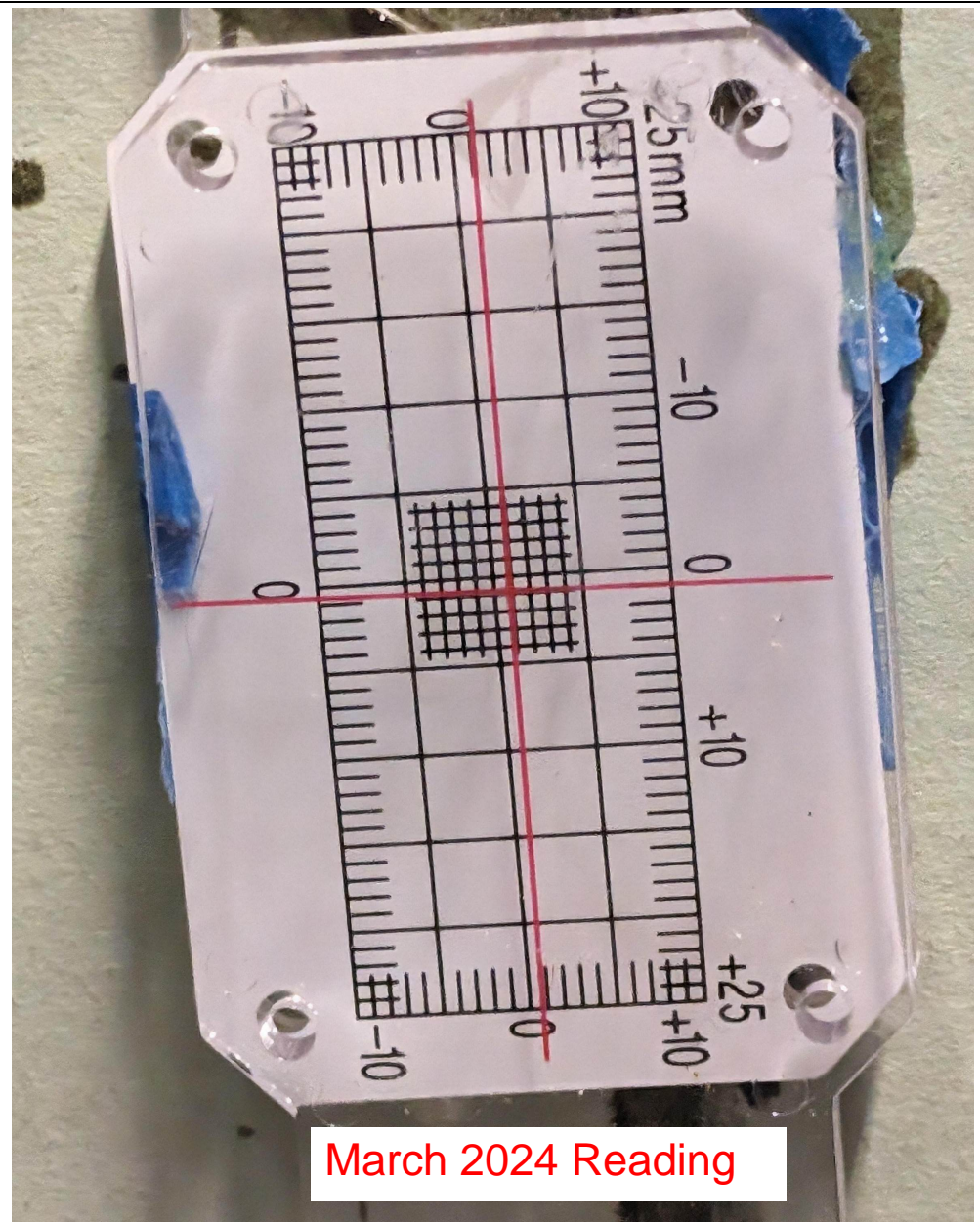
WAYLAND ARMS APARTMENTS
AUBURN, WA

FIGURE 5

FOR WAYLAND ARMS SLAB REPAIR & SEISMIC UPGRADE RFQ



January 2024 Reading



March 2024 Reading

N|V|5

KCHA-13-04

MARCH 2024

MONITORING POINT READINGS - MP5

WAYLAND ARMS APARTMENTS
AUBURN, WA

FIGURE 6