

| Site Number | Location | Name | Hwy | km |
|---|--------------------|-------------------------------|------|----------|
| PH070 | HWY 2:60 C1 33.840 | East Hill Retaining Wall Site | 2:60 | Km 33.84 |
| Legal Description: 4-27-83-21 W5 | | UTM Co-ordinates | | |
| | | 11U E 485285 | N | 6230649 |

| | | | |
|-----------------------------|--|----------------------------|-------------|
| Current Monitoring: | 25-Sep-2025 | Previous Monitoring | 9-June-2025 |
| Instruments Read By: | Mr. Niraj Regmi, G.I.T and Mr. Angelo Castillo, of Thurber | | |

| Instruments Read During This Site Visit | | | |
|--|---|--|--|
| Slope Inclinometers (SIs): SI13-3, SI14-2, SI14-3, SI-P40, SI-P58, SI-P90 and, SI-P116 | Pneumatic Piezometers (PN): PN13-2A, PN13-3A, PN13-3B, PN14-2A, PN14-2B, PN14-3A, PN14-3B, PN14-4A | Vibrating Wire Piezometers (VW): | Standpipe Piezometers (SP): SP14-1 |
| Load Cells (LC): G39WL, G40WU, G58WU, G59WL, G80WL, G80WU, G102WL, G102WU, G118PU, G134PU, G150PU, G167PM, G182PL, G188PL, G190PL, G202PL | Strain Gauges: Thirty vibrating wire strain gauges were installed in pile P74 of the tied back pile wall (Ten malfunctioning as of the current readings) | Shape Accel Arrays (SAAs): SAA-P74 | Others: |

| Readout Equipment Used | | | |
|---|--|---|---|
| Slope Inclinometers: Two RST Digital Inclinator probes with 2 ft. wheelbases and RST Pocket PC readouts | Pneumatic Piezometers: RST C108 pneumatic piezometer reader | Vibrating Wire Piezometers: | Standpipe Piezometers: Heron dipmeter |
| Load Cell: Campbell Scientific CR6 datalogger (remote download and field laptop) | Strain Gauges: Campbell Scientific CR6 datalogger (remote download and field laptop) | SAAs: Campbell Scientific CR6 datalogger (remote download and field laptop) | Others: |
| Notes: | | | |

| Discussion | |
|--|---|
| Zones of New Movement: | None |
| Interpretation of Monitoring Results: | <p>SLOPE INCLINOMETERS AND SAA</p> <p>SI13-3, located downslope of the new pile wall, continued to show some minor movement zones at 4 m and 16 m depth. Based on the instrument readings and previous assessments, SI13-3 is not installed deep enough to intercept the basal shear surface of the landslide.</p> <p>Slope inclinometer SI14-2, located upslope of the new pile wall, showed no discernable movement over 2.8 m to 5.8 m depth, 17.4 m to 21.0 m depth, and 24.7 m to 27.1 m depth since the spring of 2025 readings.</p> |

Slope inclinometer SI14-3, also located upslope of the new pile wall, showed no discernable movement over 3.3 m to 9.4 m depth since the fall of 2017 readings.

Zones of movement in the piles were defined over the length of the pile and over the combined length of the pile and waler. Overall, the SIs installed in the pile wall and the SAA showed movement patterns like those observed over the past several readings cycles. There is a general pattern of gradual downslope bulging movement observed in the pile wall SIs and SAA.

SI-P40, installed in Pile 40, showed a rate of movement of 1.4 mm/yr in the downslope direction over the length of the pile and a rate of movement of 1.5 mm/yr over the combined length of the pile and waler since the spring of 2025 readings. These rates follow a trendline established in the spring of 2020. Pile 40 has shown a total cumulative pile head movement of 6.0 mm in the downslope direction and a total cumulative movement of 1.5 mm in the downslope direction over the combined length of the pile and waler.

SI-P58, installed in Pile 58, showed a rate of movement of 2.1 mm/yr over the length of the pile and a rate of movement of 3.1 mm/yr over the combined length of the pile and waler since the spring of 2025 readings. The cumulative pile head movement was 5.0 mm in the upslope direction and the cumulative movement at the top of the waler was 6.5 mm in the upslope direction. The cumulative movements have oscillated about approximate these values since the spring of 2018.

SI-P90, installed in Pile 90, showed a rate of movement of 5.8 mm/yr over the length of the pile and a rate of movement of 7.1 mm/yr over the combined length of the pile and waler since the spring of 2025 readings. Pile 90 has shown a total cumulative pile head movement of 10.5 mm in the upslope direction and a total cumulative movement of 13.4 mm in the upslope direction over the combined length of the pile and waler. The cumulative movements have oscillated about these approximate values since the fall of 2017. SI-P116, installed in Pile 116, showed a rate of movement of 5.0 mm/yr over the length of the pile and a rate of movement of 5.6 mm/yr over the combined length of the pile and waler since the spring of 2025 readings. Pile 116 has shown a total cumulative pile head movement of 9.4 mm in the downslope direction and a total cumulative movement of 9.8 mm in the downslope direction over the combined length of the pile and waler.

SAA-P74, installed in pile P74, showed no discernible movement over the length of the pile and over the combined length of the pile and waler in the downslope direction since the spring of 2025 readings. SAA-P74 has shown a total cumulative pile head movement of 1.1 mm in the downslope direction and a total cumulative movement of 4.0 mm in the upslope direction over the combined length of the pile and waler.

STRAIN GAUGES

The strain gauges generally showed small increases in negative (compressive) strain on the downslope pile face. On the downslope pile face, the strain gauges generally showed small decreases in negative (compressive) strain. Eight of the strain gauges on the downslope pile face were not functioning during the current readings which limited the assessment of strain trends. The maximum change in microstrain ($\mu\epsilon$) since the previous readings was 13.7 $\mu\epsilon$, measured at 2.4 m depth on the upslope pile face.

PIEZOMETERS

Pneumatic piezometers PN13-2A, PN13-3A, PN14-2A, PN14-2B, PN14-3A, PN14-3B, and PN14-4A, showed increases in groundwater level of 0.10 m, 0.06 m, 0.07 m, 0.11 m, 0.04 m, 0.04 m, and 0.04 m, respectively, since the spring of 2025 readings. PN13-3B showed a decrease in groundwater level of 0.83 m since the spring of 2025 readings.

Standpipe piezometer SP14-1 showed an increase in groundwater level of 0.16 m since the spring of 2025 readings.

| | |
|---------------------------------|--|
| | <p>Overall, the piezometers have shown relatively stable groundwater levels for the past several years. These groundwater levels are within historical maximums.</p> <p>LOAD CELLS</p> <p>Load cells G58WU, G80WU, G80WL, G150PU, and G202PL showed decreases in measured load of 1.64 kN, 1.88 kN, 2.59 kN, 0.85 kN, and 2.33 kN, respectively, since the spring of 2025 readings. Load cells G167PM and G190PL showed increases in measured load of 0.02 kN and 2.81 kN, respectively, since the spring of 2025 readings. Load cells G39WL, G40WU, G59WL, G102WU, G102WL, G118PU, G134PU, G182PL, and G188PL could not measure any loads since March to May 2025.</p> <p>It should be noted that channels on the load cell datalogger were functioning inconsistently since December 6, 2024, and only certain time stamps contained useable readings. The reported values represent the most recent functional date for each individual load cell.</p> <p>Wall Section 2: Anchors G39WL and G40WU both show a trend of gradually increasing load and are about 10 kN are above their respective SLS design loads.</p> <p>Wall Section 3A and 3B: Anchor G58WU shows a trend of gradually increasing load and is about 17 kN above the SLS design load. Anchor G150PU did not shown a significant change in load since about 2017 and is below SLS design load. Anchors G59WL, G118PU, G102WU, and G102WL did not register load measurements since the previous reading in March 2025, which were all below the SLS design loads.</p> <p>Wall Section 4: Anchors G167PM and G190PL show a trend of small load increases over time. The loads on these anchors are well below SLS levels. Based on the May 2025 readings the load on G134PU is also well below the design SLS loads Anchor G134PU did not register a load measurement since the previous reading in May 2025, Anchor G80WL shows a relatively stable load and is currently about its SLS design load.</p> <p>Anchors G182PL, G188PL and G202PL were installed as 'stiff anchors' that were left with some slack to allow the piles to deform before the anchors pick up load. Anchor G202PL indicates current load of from 10.04 kN and has not shown significant change in the load since the end of construction. The low load levels at these three anchors suggests that there may still be some slack at the nut in these anchors. Anchors G182PL and G188PL did not register load measurements since the previous reading in March 2025.</p> <p>The load cells on G80WU and G80WL are showing loads that are 57.46 kN and 25.08 kN above SLS design load, respectively. However, these anchors were intentionally locked off at a higher load than the SLS load and the loads have changed very little since they were locked off.</p> |
| Future Work: | The instruments should be read again in the spring of 2026. |
| Instrumentation Repairs: | The wiring of the load cells, as well as the datalogging system and multiplexer should be checked to confirm if these are the source of inconsistent functioning of the load cell channels. |
| Additional Comments: | |

| | |
|----------------------------|---|
| <p>Attachments:</p> | <ul style="list-style-type: none"> ▪ Table PH070-1 Fall 2025 – HWY 2:60 Peace River East Hill Retaining Wall Site (km 33.84) Slope Inclinator Instrumentation Reading Summary ▪ Table PH070-2 Fall 2025 – HWY 2:60 Peace River East Hill Retaining Wall Site (km 33.84) Shape Accelerometer Array Instrumentation Reading Summary ▪ Table PH070-3 Fall 2025 – HWY 2:60 Peace River East Hill Retaining Wall Site (km 33.84) Vibrating Wire Strain Gauge Instrumentation Reading Summary ▪ Table PH070-4 Fall 2025 – HWY 2:60 Peace River East Hill Retaining Wall Site (km 33.84) Pneumatic Piezometer Instrumentation Reading Summary ▪ Table PH070-5 Fall 2025 – HWY 2:60 Peace River East Hill Retaining Wall Site (km 33.84) Standpipe Piezometer Instrumentation Reading Summary ▪ Table PH070-6 Fall 2025 – HWY 2:60 Peace River East Hill Retaining Wall Site (km 33.84) Vibrating Wire Load Cell Instrumentation Reading Summary ▪ Statement for Use and Interpretation of Report ▪ APPENDIX A - PH070 FALL 2025 <ul style="list-style-type: none"> □ Field Inspector's report □ Site Plans Showing Approximate Instrument Locations (Drawings No. 32121 PH070-1 and 32121-PH070-2) □ SI Reading Plots □ SAA Reading Plots □ Figure PH070-1 (Downslope Strain Gauge Values) □ Figure PH070-2 (Upslope Strain Gauge Values) □ Figure PH070-3 (Piezometric Elevations) □ Figure PH070-4 (Piezometric Depths) □ Figure PH070-5 (Section 2 Load cells) □ Figure PH070-6 (Section 3A Load Cells) □ Figure PH070-7 (Section 3B Load Cells) □ Figure PH070-8 (Section 4 Load Cells) |
|----------------------------|---|

We trust this report meets your requirements at present. If you have any questions, please contact the undersigned at your convenience.

Yours very truly,
Thurber Engineering Ltd.
Roger Skirrow, M.Sc., P. Eng.
Senior Geotechnical Engineer

Yasir Khan, E.I.T.
Geotechnical Engineer-In-Training

Table PH070-1 Fall 2025 – Hwy 2:60 Peace River East Hill Retaining Wall Site (Km 33.84) Slope Inclinator Instrumentation Reading Summary

Date Monitored: September 25, 2025

| INSTRUMENT # | DATE INITIALIZED | TOTAL CUMULATIVE RESULTANT MOVEMENT AT NOTED DEPTH SINCE INITIAL READING (mm) | MAXIMUM RATE OF MOVEMENT (mm/yr) | CURRENT STATUS | DATE OF PREVIOUS READING | INCREMENTAL MOVEMENT SINCE PREVIOUS READING (mm) | RATE OF MOVEMENT (mm/yr) | CHANGE IN RATE OF MOVEMENT SINCE PREVIOUS READING (mm/yr) |
|--------------|------------------|---|----------------------------------|-----------------------------|--------------------------|--|--------------------------|---|
| SI10-1 | March 4, 2010 | 53.4 mm over 0 m to 3.0 m depth in 173° direction | 52.1 mm/yr. in September 2013 | Removed during construction | September 15, 2016 | N/A | N/A | N/A |
| | | 13.1 mm over 3.6 m to 6.6 m depth in 173° direction | 3.8 mm/yr. in May 2015 | | | N/A | N/A | N/A |
| | | 3.8 mm over 26.2 m to 28.0 m depth in 173° direction | 3.3 mm/yr. in May 2010 | | | N/A | N/A | N/A |
| SI10-2 | March 4, 2010 | 27.5 mm over 4.1 m to 5.9 m depth in 330° direction | 54.7 mm/yr. in September 2010 | Sheared at ~6.1 m depth | June 1, 2011 | N/A | N/A | N/A |
| | | 1.8 mm over 24.2 m to 26.0 m depth in 250° direction | 4.4 mm/yr. in May 2010 | | | N/A | N/A | N/A |
| SI13-2 | August 4, 2013 | 33.3 over 15.5 m to 19.1 m depth in 17° direction | 16.5 in September 2015 | Removed during construction | June 2, 2016 | N/A | N/A | N/A |
| SI13-3 | August 4, 2013 | No discernible movement | No discernible movement | Operational | June 9, 2025 | N/A | N/A | N/A |

Drawings 32121-PH070-1 and 32121-PH070-2 in Appendix A provide a sketch of the approximate locations of the monitoring instrumentation for this site.

Table PH070-1 – Continued... Fall 2025 – Hwy 2:60 Peace River East Hill Retaining Wall Site (Km 33.84) Slope Inclinometer Instrumentation Reading Summary

Date Monitored: September 25, 2025

| INSTRUMENT # | DATE INITIALIZED | TOTAL CUMULATIVE RESULTANT MOVEMENT AT NOTED DEPTH SINCE INITIAL READING (mm) | MAXIMUM RATE OF MOVEMENT (mm/yr) | CURRENT STATUS | DATE OF PREVIOUS READING | INCREMENTAL MOVEMENT SINCE PREVIOUS READING (mm) | RATE OF MOVEMENT (mm/yr) | CHANGE IN RATE OF MOVEMENT SINCE PREVIOUS READING (mm/yr) |
|--------------|-------------------|---|----------------------------------|---------------------------------------|--------------------------|--|--------------------------|---|
| SI14-2 | December 16, 2014 | 7.2 mm over 2.8 m to 5.8 m depth in 185° direction | 24.7 mm/yr in December 2014 | Operational | June 9, 2025 | No Discernable Movement | N/A | -4.0 |
| | | 15.1 mm over 17.4 m to 21.0 m depth in 185° direction | 18.9 mm/yr in December 2014 | | | No Discernable Movement | N/A | -1.6 |
| | | 11.5 mm over 24.7 m to 27.1 m depth in 185° direction | 4.2 mm/yr in May 2015 | | | No Discernable Movement | N/A | -0.9 |
| SI14-3 | December 16, 2014 | 21.2 mm over 3.3 m to 9.4 m depth in 171° direction | 85.8 mm/yr in December 2014 | Operational | June 9, 2025 | No Discernable Movement | N/A | -2.4 |
| SI14-4 | December 20, 2014 | 44.7 mm over 17.3 m to 19.7 m depth in 171° direction | 18.1 mm/yr in September 2016 | Sheared at 19.5 m below top of casing | June 13, 2022 | N/A | N/A | N/A |

Drawings 32121-PH070-1 and 32121-PH070-2 in Appendix A provide a sketch of the approximate locations of the monitoring instrumentation for this site.

Table PH070-1 – Continued... Fall 2025 – Hwy 2:60 Peace River East Hill Retaining Wall Site (Km 33.84) Slope Inclinometer Instrumentation Reading Summary

Date Monitored: September 25, 2025

| INSTRUMENT # | DATE INITIALIZED | TOTAL CUMULATIVE RESULTANT MOVEMENT AT NOTED DEPTH SINCE INITIAL READING (mm) | MAXIMUM RATE OF MOVEMENT (mm/yr.) | CURRENT STATUS | DATE OF PREVIOUS READING | INCREMENTAL MOVEMENT SINCE PREVIOUS READING (mm) | RATE OF MOVEMENT (mm/yr.) | CHANGE IN RATE OF MOVEMENT SINCE PREVIOUS READING (mm/yr.) |
|--------------|-------------------|---|-----------------------------------|----------------|--------------------------|--|---------------------------|--|
| SI-P40 | October 19, 2016 | 6.0 mm over 2.4 m to 19.5 m depth in 188° direction | -39.8 mm/yr. on April 4, 2017 | Operational | June 9, 2025 | 0.4 | 1.4 | 0.1 |
| | | 1.5 mm over 0 m to 19.5 m depth in 188° direction | -57.3 mm/yr. on April 4, 2017 | | | 0.5 | 1.5 | 0.7 |
| SI-P58 | October 18, 2016 | -5.0 mm over 2.4 m to 23.7 m depth in 209° direction | -70.8 mm/yr. on June 24, 2017 | Operational | June 9, 2025 | 0.6 | 2.1 | 2.1 |
| | | -6.5 mm over 0.5 m to 23.7 m depth in 209° direction | -65.7 mm/yr. on June 24, 2017 | | | 0.9 | 3.1 | 3.5 |
| SI-P90 | October 18, 2016 | -10.5 mm over 1.9 m to 23.3 m depth in 174° direction | -76.0 mm/yr. on April 8, 2017 | Operational | June 9, 2025 | 1.7 | 5.8 | 8.2 |
| | | -13.4 mm over 0.1 m to 23.3 m depth in 174° direction | -97.5 mm/yr. on April 8, 2017 | | | 2.1 | 7.1 | 10.1 |
| SI-P116 | November 25, 2016 | 9.4 mm over 1.6 m to 18.1 m depth in 189° direction | 20.7 mm/yr. on October 4, 2017 | Operational | June 9, 2025 | 1.5 | 5.0 | 5.0 |
| | | 9.8 mm over 0.4 m to 18.1 m depth in 189° direction | 19.6 mm/yr. on October 4, 2017 | | | 1.7 | 5.6 | 5.5 |

Table PH070-2 Fall 2025 – Hwy 2:60 Peace River East Hill Retaining Wall Site (Km 33.84) Shape Accelerometer Array Instrumentation Reading Summary

Date Monitored: September 25, 2025

| INSTRUMENT # | DATE INITIALIZED | TOTAL CUMULATIVE RESULTANT MOVEMENT AT NOTED DEPTH SINCE INITIAL READING (mm) | CURRENT STATUS | DATE OF PREVIOUS READING* | INCREMENTAL MOVEMENT SINCE PREVIOUS READING (mm) | AVERAGE RATE OF MOVEMENT SINCE PREVIOUS READING (mm/yr.) | CHANGE IN AVERAGE RATE OF MOVEMENT SINCE PREVIOUS READING (mm/yr.) |
|--------------|------------------|---|----------------|---------------------------|--|--|--|
| SAA-P74 | January 31, 2017 | 1.1 over 2.0 m to 31.0 m depth in 194° direction | Operational | June 9, 2025 | No Discernable Movement | N/A | -7.4 |
| | | -4.0 over 1.0 m to 31.0 m depth in 194° direction | | | No Discernable Movement | N/A | -6.9 |

Drawings 32121-PH070-1 and 32121-PH070-2 in Appendix A provide a sketch of the approximate locations of the monitoring instrumentation for this site.

* SAA readings are taken once per day and collected to datalogger. The movement rate is an average rate compared to the previous readings in the spring of 2025.

Table PH070-3 Fall 2025 – Hwy 2:60 Peace River East Hill Retaining Wall Site (Km 33.84) Vibrating Wire Strain Gauge Instrumentation Reading Summary

Date Monitored: September 25, 2025

| DEPTH FROM TOP OF PILE P74 (m) | GAUGE # | TOTAL MICROSTRAIN (µε) | CHANGE IN MICROSTRAIN SINCE PREVIOUS READINGS* (µε) | MEASURED TEMPERATURE (°C) | GAUGE # | TOTAL MICROSTRAIN (µε) | CHANGE IN MICROSTRAIN SINCE PREVIOUS READINGS* (µε) | MEASURED TEMPERATURE (°C) |
|--------------------------------|---------|------------------------|---|---------------------------|---------------------|------------------------|---|---------------------------|
| UPSLOPE PILE FACE | | | | | DOWNSLOPE PILE FACE | | | |
| 0.2 | 29 | -123.3 | -4.9 | 19.7 | 28 | -83.0 | 5.8 | 17.0 |
| 2.4 | 8 | -20.9 | -13.7 | 17.8 | 3 | 5.7 | 7.7 | 16.2 |
| 4.2 | 5 | <i>Not functioning</i> | <i>N/A</i> | <i>N/A</i> | 22 | 54.1 | 5.8 | 13.8 |
| 6.2 | 14 | -198.8 | -4.3 | 10.3 | 12 | 39.2 | 6.2 | <i>Not functioning</i> |
| 8.2 | 13 | -176.4 | -2.7 | 8.7 | 7 | <i>Not functioning</i> | <i>N/A</i> | <i>N/A</i> |
| 10.2 | 4 | -176.4 | -1.2 | 8.1 | 25 | <i>Not functioning</i> | <i>N/A</i> | <i>N/A</i> |
| 12.2 | 1 | -165.1 | -1.6 | 7.9 | 11 | <i>Not functioning</i> | <i>N/A</i> | <i>N/A</i> |
| 14.2 | 15 | -141.8 | -0.8 | 7.9 | 16 | <i>Not functioning</i> | <i>N/A</i> | <i>N/A</i> |
| 16.2 | 9 | -134.9 | -1.0 | 8.0 | 21 | 9.7 | -0.1 | <i>Not functioning</i> |
| 18.2 | 27 | -91.7 | -0.1 | 7.9 | 23 | 17.4 | -1.4 | 8.0 |
| 20.2 | 6 | -136.2 | 0.3 | 7.9 | 20 | <i>Not functioning</i> | <i>N/A</i> | <i>N/A</i> |
| 22.2 | 30 | -43.0 | 1.0 | 7.9 | 19 | <i>Not functioning</i> | <i>N/A</i> | <i>N/A</i> |
| 24.2 | 2 | <i>Not functioning</i> | <i>N/A</i> | <i>N/A</i> | 24 | <i>Not functioning</i> | <i>N/A</i> | <i>N/A</i> |
| 26.2 | 26 | -45.8 | -0.5 | 7.8 | 17 | -130.9 | -2.5 | 7.9 |
| 28.2 | 10 | -73.7 | -0.8 | 7.8 | 18 | <i>Not functioning</i> | <i>N/A</i> | 7.8 |

Drawings 32121-PH070-1 and 32121-PH070-2 in Appendix A provide a sketch of the approximate locations of the monitoring instrumentation for this site.

* Previous readings taken on June 9, 2025

Table PH070-4 Fall 2025 – Hwy 2:60 Peace River East Hill Retaining Wall Site (Km 33.84) Pneumatic Piezometer Instrumentation Reading Summary

Date Monitored: September 25, 2025

| INSTRUMENT # | DATE INITIALIZED | TIP DEPTH (m) | GROUND ELEV. (m) | CURRENT STATUS | HIGHEST MEASURED WATER LEVEL BGS (m) | MEASURED PORE PRESSURE (kPa) | CURRENT WATER LEVEL BGS (m) | PREVIOUS WATER LEVEL BGS (m) | CHANGE IN WATER LEVEL SINCE PREVIOUS READING (m) |
|-----------------|-------------------|---------------|------------------|-----------------------------|--------------------------------------|------------------------------|-----------------------------|------------------------------|--|
| PN10-1 (33089) | Feb. 21, 2010 | 9.1 | - | Removed during construction | 8.06 on May 20, 2015 | N/A | N/A | 8.94 (Sep. 15, 2016) | N/A |
| PN10-2 (33091) | Feb. 21, 2010 | 19.0 | - | Damaged/ Sheared | 11.62 on May 20, 2015 | N/A | N/A | 17.46 (Sep. 27, 2017) | N/A |
| PN13-2A (35449) | August 4, 2013 | 6.1 | 490.6 | Operational | 4.35 on August 4, 2013 | 10.2 | 5.06 | 5.16 | 0.10 |
| PN13-2B (35446) | August 4, 2013 | 26.7 | 490.6 | Removed during construction | 16.92 m on May 20, 2015 | N/A | N/A | 18.11 (June 2, 2016) | N/A |
| PN13-3A (35451) | August 4, 2013 | 9.1 | 486.4 | Operational | 7.27 on August 4, 2013 | 2.1 | 8.89 | 8.95 | 0.06 |
| PN13-3B (35444) | August 4, 2013 | 18.3 | 486.4 | Operational | 13.40 On May 20, 2017 | 27.1 | 15.54 | 14.71 | -0.83 |
| PN14-2A (35757) | November 23, 2014 | 13.0 | 490.5 | Operational | 11.95 on May 20, 2015 | 2.8 | 12.71 | 12.78 | 0.07 |
| PN14-2B (35867) | November 23, 2014 | 28.0 | 490.5 | Operational | 19.14 on November 23, 2014 | 67.3 | 21.14 | 21.25 | 0.11 |
| PN14-3A (35759) | November 23, 2014 | 13.0 | 490.9 | Operational | 11.59 on May 20, 2015 | 5.0 | 12.49 | 12.53 | 0.04 |
| PN14-3B (35866) | November 23, 2014 | 25.0 | 490.9 | Operational | 23.17 on November 23, 2014 | 4.0 | 24.59 | 24.63 | 0.04 |

Drawings 32121-PH070-1 and 32121-PH070-2 in Appendix A provide a sketch of the approximate locations of the monitoring instrumentation for this site.

Table PH070-4 – Continued... Fall 2025 – Hwy 2:60 Peace River East Hill Retaining Wall Site (Km 33.84) Pneumatic Piezometer Instrumentation Reading Summary

Date Monitored: September 25, 2025

| INSTRUMENT # | DATE INITIALIZED | TIP DEPTH (m) | GROUND ELEV. (m) | CURRENT STATUS | HIGHEST MEASURED WATER LEVEL BGS (m) | MEASURED PORE PRESSURE (kPa) | CURRENT WATER LEVEL BGS (m) | PREVIOUS WATER LEVEL BGS (m) | CHANGE IN WATER LEVEL SINCE PREVIOUS READING (m) |
|--------------------|-------------------|---------------|------------------|-----------------|--------------------------------------|------------------------------|-----------------------------|------------------------------|--|
| PN14-4A (35758) | November 23, 2014 | 10.5 | 486.5 | Operational | 9.02 on November 23, 2014 | 2.8 | 10.21 | 10.25 | 0.04 |
| PN14-4B (35865) | November 23, 2014 | 28.0 | 486.5 | Not functioning | 13.94 on November 23, 2014 | N/A | N/A | 27.82 (Sep. 29, 2019) | N/A |

Drawings 32121-PH070-1 and 32121-PH070-2 in Appendix A provide a sketch of the approximate locations of the monitoring instrumentation for this site.

Table PH070-5 Fall 2025 – Hwy 2:60 Peace River East Hill Retaining Wall Site (Km 33.84) Standpipe Piezometer Instrumentation Reading Summary

Date Monitored: September 25, 2025

| INSTRUMENT # | DATE INITIALIZED | TIP DEPTH (m) | GROUND ELEV. (m) | CURRENT STATUS | MAXIMUM GROUNDWATER LEVEL (m) | MEASURED GROUNDWATER DEPTH (m) | PREVIOUS READING (m) | CHANGE IN GROUNDWATER LEVEL SINCE PREVIOUS READING (m) |
|--------------|-------------------|---------------|------------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|--|
| SP13-1 | August 4, 2013 | 14.9 | 490.8 | Blocked at 0.9 m below top of casing | 1.18 on June 2, 2016 | N/A | N/A | N/A |
| SP14-1 | November 23, 2014 | 15.5 | 490.2 | Operational | 3.21 on June 13, 2022 | 3.83 | 3.99 | 0.16 |

Drawings 32121-PH070-1 and 32121-PH070-2 in Appendix A provide a sketch of the approximate locations of the monitoring instrumentation for this site.

Table PH070- Fall 2025 – Hwy 2:60 Peace River East Hill Retaining Wall Site (Km 33.84) Vibrating Wire Load Cell Instrumentation Reading Summary

Date Monitored: September 25, 2025

| ANCHOR NUMBER | LOAD CELL SERIAL # | SLS DESIGN LOAD / LOCK-OFF LOAD (kN) | MAXIMUM RECORDED LOAD (kN) | RECORDED LOAD ⁽¹⁾ ⁽²⁾ (kN) | PREVIOUS RECORDED LOAD ⁽¹⁾ (kN) | CHANGE IN LOAD SINCE PREVIOUS READING (kN) |
|---------------|--------------------|--------------------------------------|------------------------------|--|--|--|
| G39WL | VC1977 | 253/253 | 263.76 on September 20, 2024 | N/A | 262.69 (Mar. 23, 2025) | N/A |
| G40WU | VC1975 | 331/331 | 343.25 on February 21, 2025 | N/A | 342.84 (Mar. 23, 2025) | N/A |
| G58WU | VC1972 | 366/358 | 388.74 on February 22, 2025 | 385.34 (Sep. 25, 2025) | 386.98 (Jun. 9, 2025) | -1.64 |
| G59WL | VC1973 | 325/308 | 274.02 on March 1, 2025 | N/A | 273.32 (Mar. 24, 2025) | N/A |
| G80WU | VC1969 | 246/331 | 308.58 on February 2, 2025 | 303.46 (Sep. 25, 2025) | 305.34 (Jun. 9, 2025) | -1.88 |
| G80WL | VC1970 | 293/337 | 322.05 on February 21, 2025 | 318.08 (Sep. 25, 2025) | 320.67 (Jun. 9, 2025) | -2.59 |
| G102WU | VC1974 | 366/358 | 343.61 on October 2, 2017 | N/A | 339.56 (Mar. 24, 2025) | N/A |
| G102WL | VC1976 | 325/308 | 343.70 on April 7, 2017 | N/A | 317.78 (Mar. 23, 2025) | N/A |
| G118PU | VC1980 | 320/257 | 217.20 on June 24, 2017 | N/A | 209.99 (Mar. 23, 2025) | N/A |
| G134PU | VC1979 | 288/229 | 222.82 on May 31, 2025 | N/A | 217.98 (Mar. 27, 2025) | N/A |
| G150PU | VC1978 | 288/229 | 236.60 on May 28, 2017 | 218.74 (Sep. 25, 2025) | 219.59 (Mar. 24, 2025) | -0.85 |

Drawings 32121-PH070-1 and 32121-PH070-2 in Appendix A provide a sketch of the approximate locations of the monitoring instrumentation for this site.

- (1) Load cell data is recorded daily with datalogger on site. See Figures PH070-5 to PH070-8 in Appendix A for combined historical instrument readings.
(2) Most recent functional reading reported for each individual load cell.

Table PH070-6– Continued... Fall 2025 – Hwy 2:60 Peace River East Hill Retaining Wall Site (Km 33.84) Vibrating Wire Load Cell Instrumentation Reading Summary

Date Monitored: September 25, 2025

| ANCHOR NUMBER | LOAD CELL SERIAL # | DESIGN LOAD / LOCK-OFF LOAD (kN) | MAXIMUM RECORDED LOAD (kN) | RECORDED LOAD ⁽¹⁾ ⁽²⁾ (kN) | PREVIOUS RECORDED LOAD ⁽¹⁾ (JUNE 9, 2025) (kN) | CHANGE IN LOAD SINCE PREVIOUS READING (kN) |
|-----------------------|--------------------|----------------------------------|------------------------------|--|---|--|
| G167PM | VC1971 | 302/175 | 184.76 on May 29, 2025 | 183.64 (Sep. 25, 2025) | 183.62 (Jun. 9, 2025) | 0.02 |
| G190PL | VC1968 | 302/105 | 178.53 on September 18, 2025 | 178.17 (Sep. 25, 2025) | 175.36 (Jun. 9, 2025) | 2.81 |
| G182PL ⁽²⁾ | VC2023 | 302/0 | 15.38 on September 16, 2022 | N/A | 12.61 (Mar. 23, 2025) | N/A |
| G188PL ⁽²⁾ | VC2024 | 302/0 | 16.63 on September 19, 2024 | N/A | 15.90 (Mar. 23, 2025) | N/A |
| G202PL ⁽²⁾ | VC2025 | 302/0 | 14.99 on January 12, 2025 | 10.04 (Aug. 22, 2025) | 12.37 (Mar. 23, 2025) | -2.33 |

Drawings 32121-PH070-1 and 32121-PH070-2 in Appendix A provide a sketch of the approximate locations of the monitoring instrumentation for this site.

- (1) Load cell data is recorded daily with datalogger on site. See Figures PH070-5 to PH070-8 in Appendix A for combined historical instrument readings.
- (2) Most recent functional reading reported for each individual load cell.
- (3) Stiff anchors left with slack in the anchor nut during construction.

STATEMENT FOR USE AND INTERPRETATION OF REPORT

1. STANDARD OF CARE

This Report has been prepared in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances at the same time and in the same or similar locality and in compliance with all applicable laws.

2. COMPLETE REPORT

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment, including this Statement For Use and Interpretation of Report, are a part of the Report, which is of a summary nature and is not intended to stand alone without reference to the instructions given to Thurber by the Client, communications between Thurber and the Client, and any other reports, proposals or documents prepared by Thurber for the Client relative to the specific site described herein, all of which together constitute the Report.

IN ORDER TO PROPERLY UNDERSTAND THE SUGGESTIONS, RECOMMENDATIONS AND OPINIONS EXPRESSED HEREIN, REFERENCE MUST BE MADE TO THE WHOLE OF THE REPORT, AS DESCRIBED ABOVE. THURBER IS NOT RESPONSIBLE FOR USE BY ANY PARTY OF PORTIONS OF THE REPORT WITHOUT REFERENCE TO THE WHOLE OF THE REPORT.

3. BASIS OF REPORT

The Report has been prepared for the specific site, development, design objectives, and purposes that were described to Thurber by the Client. The applicability and reliability of any of the findings, recommendations, suggestions, or opinions expressed in the Report, subject to the limitations provided herein, are only valid to the extent that the Report expressly addresses proposed development, design objectives and purposes, and then only to the extent that there has been no material alteration to or variation from any of the said descriptions provided to Thurber, unless Thurber is specifically requested by the Client to review and revise the Report in light of such alteration or variation.

4. USE OF THE REPORT

The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client for the development, design objectives, and/or purposes described to Thurber by the Client. **NO OTHER PARTY MAY USE OR RELY ON THE REPORT OR ANY PORTION THEREOF FOR OTHER THAN THE CLIENT'S BENEFIT IN CONNECTION WITH THE PURPOSES DESCRIBED IN THE REPORT.** Any use which a third party makes of the Report is the sole responsibility of such third party and is always subject to this Statement for Use and Interpretation of Report. Thurber accepts no liability or responsibility for damages suffered by any third party resulting from use of the Report for purposes outside the reasonable contemplation of Thurber at the time it was prepared or in any manner unintended by Thurber.

5. INTERPRETATION OF THE REPORT

- a) **Nature and Exactness of Soil and Contaminant Description:** Classification and identification of soils, rocks, geological units, contaminant materials and quantities have been based on investigations performed in accordance with the standards set out in Paragraph 1. Classification and identification of these factors is inherently judgement-based. Comprehensive sampling and testing programs implemented with the appropriate equipment by experienced personnel may fail to locate some conditions. All investigations utilizing the standards of Paragraph 1 will involve an inherent risk that some conditions will not be detected and all documents or records summarizing such investigations will be based on assumptions of what exists between the actual points sampled. Actual conditions may vary significantly between the points investigated and the Client and all other parties making use of such documents or records with or without our express written consent need to be aware of this risk and the Report is delivered subject to the express condition that such risk is accepted by the Client and such other parties. Some conditions are subject to change over time and those making use of the Report need to be aware of this possibility and understand that the Report only presents the interpreted conditions at the sampled points at the time of sampling. If special concerns exist, or the Client has special considerations or requirements, the Client must disclose them so that additional or special investigations may be undertaken which would not otherwise be within the scope of investigations made for the purposes of the Report.
- b) **Reliance on Provided Information:** The evaluation and conclusions contained in the Report have been prepared based on conditions in evidence at the time of site inspections and based on information provided to Thurber. Thurber has relied in good faith upon representations, information and instructions provided by the Client and others concerning the site. Accordingly, Thurber does not accept responsibility for any deficiency, misstatement or inaccuracy contained in the Report resulting from misstatements, omissions, misrepresentations, or fraudulent acts of the Client or other parties providing information relied on by Thurber. Thurber is entitled to rely on such representations, information and instructions and is not required to carry out investigations to determine the truth or accuracy of such representations, information and instructions.
- c) **Design Services:** The Report may form part of design and construction documents for information purposes even though it may have been issued prior to final design being completed. Thurber is recommended to be retained to review final design, project plans and related documents prior to construction to confirm that they are consistent with the intent of the Report. Any differences that may exist between the Report's recommendations and the final design need to be reported to Thurber immediately so that Thurber can address potential conflicts.
- d) **Construction Services:** During construction Thurber should be retained to provide field reviews. Field reviews consist of performing sufficient and timely observations of encountered conditions to confirm and document that the site conditions do not materially differ from those conditions considered in the preparation of the report. Adequate field reviews are necessary for Thurber to provide letters of assurance, in accordance with the requirements of many regulatory authorities.

6. INDEPENDENT JUDGEMENTS OF CLIENT

The information, interpretations and conclusions in the Report are based on Thurber's interpretation of conditions revealed through limited investigation conducted within a defined scope of services. Thurber does not accept responsibility for independent conclusions, interpretations, interpolations and/or decisions of the Client, or other parties who may come into possession of the Report, or any part thereof, which may be based on information contained in the Report. This restriction of liability includes, but is not limited to, decisions made to develop, purchase, or sell land, unless such decisions expressly form part of the stated purpose of the Report as described in Paragraph 3.



**ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS GRMP (CON0022164)
PEACE REGION (PEACE RIVER DISTRICT)
INSTRUMENTATION MONITORING RESULTS**

FALL 2025

**APPENDIX A
DATA PRESENTATION**

**SITE PH070: HWY 2:60, PEACE RIVER EAST HILL
RETAINING WALL SITE (km 33.84)**

**ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS
PEACE REGION (PEACE RIVER DISTRICT)
INSTRUMENTATION MONITORING FIELD SUMMARY (PH070)
FALL 2025**

Location: East Hill Retaining Wall Site (HWY 2:60 C1 33.840)
File Number: 32121
Probe: RST 5R and 8R
Cable: RST 5R and 8R

Readout: RST PN C108 Unit 8/ DGSI Dipmeter
Extension: 2.75"
Temp: 7
Read by: AFC/NKR

SLOPE INCLINOMETER (SI) READINGS

| SI# | GPS Location (UTM 11) | | Date | Stickup (m) | Depth from top of Casing (ft) | Magn. North A+ Groove | Current Bottom Depth Readings | | | | Probe/ Reel # | Size (") | Remarks |
|---------|-----------------------|--------------|-----------|-------------|-------------------------------|-----------------------|-------------------------------|------|-------|------|---------------|----------|-----------|
| | Easting (m) | Northing (m) | | | | | A+ | A- | B+ | B- | | | |
| SI13-3 | 485285 | 6230649 | 25-Sep-25 | 1.32 | 66 to 2 | 170 | -1101 | 1106 | -1461 | 1436 | 5R/5R | 2.75" | |
| SI14-2 | 485222 | 6230662 | 25-Sep-25 | 1.21 | 98 to 2 | 160 | 428 | -432 | 43 | 56 | 5R/5R | 2.75" | |
| SI14-3 | 485260 | 6230664 | 25-Sep-25 | 1.23 | 98 to 2 | 150 | -431 | 447 | -523 | 528 | 8R/8R | 2.75" | |
| SI-P40 | 485240 | 6230661 | 25-Sep-25 | 0.94 | 66 to 2 | 212 | -140 | 156 | 197 | -193 | 8R/8R | 2.75" | Pile Wall |
| SI-P58 | 485263 | 6230633 | 25-Sep-25 | 1 | 80 to 2 | 131 | -1844 | 1860 | -725 | 728 | 8R/8R | 2.75" | Pile Wall |
| SI-P90 | 485312 | 6230668 | 25-Sep-25 | 0.8 | 78 to 2 | 143 | -340 | 358 | 321 | -319 | 8R/8R | 2.75" | Pile Wall |
| SI-P116 | 485348 | 6230622 | 25-Sep-25 | 1.12 | 62 to 2 | 203 | 229 | -221 | -902 | -907 | 8R/8R | 2.75" | Pile Wall |

PNEUMATIC PIEZOMETER (PN) READINGS

| PN# | GPS Location (UTM 11) | | Date | Reading (kPa) | Identification Number |
|---------|-----------------------|--------------|-----------|---------------|-----------------------|
| | Easting (m) | Northing (m) | | | |
| PN13-2A | 485283.33 | 6230665.34 | 25-Sep-25 | 10.2 | 35449 |
| PN13-3A | 485284.52 | 6230648.64 | 25-Sep-25 | 2.1 | 35451 |
| PN13-3B | 485284.52 | 6230648.64 | 25-Sep-25 | 27.1 | 35444 |
| PN14-2A | 485221.85 | 6230662.44 | 25-Sep-25 | 2.8 | 35757 |
| PN14-2B | 485221.85 | 6230662.44 | 25-Sep-25 | 67.3 | 35867 |
| PN14-3A | 485260.48 | 6230664.41 | 25-Sep-25 | 5.0 | 35759 |
| PN14-3B | 485260.48 | 6230664.41 | 25-Sep-25 | 4.0 | 35866 |
| PN14-4A | 485260.79 | 6230648.07 | 25-Sep-25 | 2.8 | 35758 |

STANDPIPE PIEZOMETER (SP) READINGS

| SP# | GPS Location (UTM 11) | | Stick-up (m) | Reading below top of casing (m) | Bottom Pipe Depth (below top of casing (m)) |
|--------|-----------------------|--------------|--------------|---------------------------------|---|
| | Easting (m) | Northing (m) | | | |
| SP14-1 | 485221.459 | 6230689.704 | 25-Sep-25 | 4.83 | 15.45 |

Datalogger is connected to a modem - check datalogger for possible tampering and be ready for manual download with 12V battery

**ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS
PEACE REGION (PEACE RIVER DISTRICT)
INSTRUMENTATION MONITORING FIELD SUMMARY (PH070)
FALL 2025**

Location: East Hill Retaining Wall Site (HWY 2:60 C1 33.840)
File Number: 32121
Probe:
Cable:

Readout: CR6 Datalogger
Extension:
Temp:
Read by:

VIBRATING WIRE LOAD CELL (VC) READINGS

| VC# | Datalogger | Date | Remarks |
|--------------------------------|------------|------|---------------------|
| VC1968-VC1980, VC2023 - VC2025 | CR6 | | Remotely Downloaded |

VIBRATING WIRE STRAIN GAUGES (VWSG) READINGS

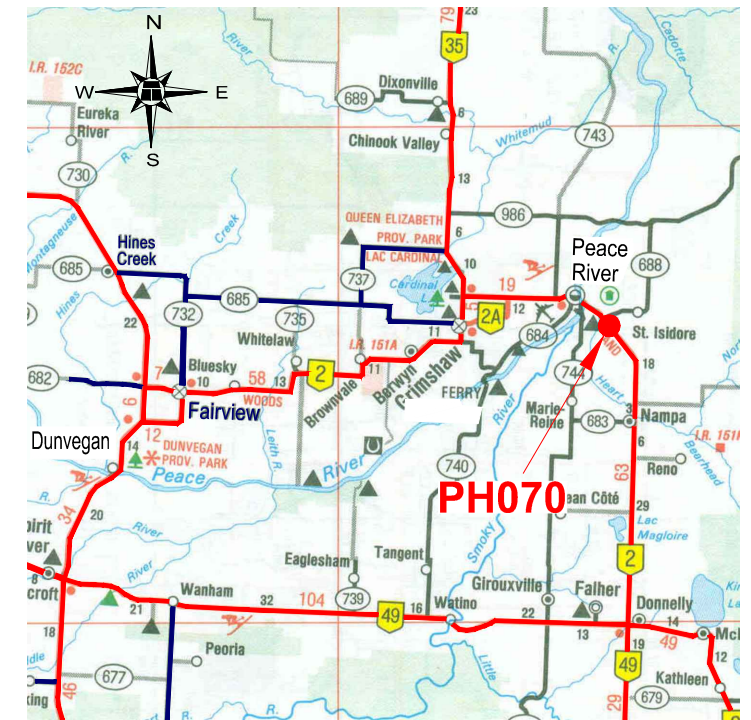
| Depth From Pile Top (m) | Pile P74 | | Datalogger | Date | Remarks |
|-------------------------------|--------------|-----------|------------|------|---------------------|
| | Gauge Number | | | | |
| | Upslope | Downslope | | | |
| 0.2 | 29 | 28 | CR6 | | Remotely Downloaded |
| 2.4 | 8 | 3 | | | |
| 4.2 | 5* | 22 | | | |
| 6.2 | 14 | 12 | | | |
| 8.2 | 13 | 7* | | | |
| 10.2 | 4 | 25* | | | |
| 12.2 | 1 | 11* | | | |
| 14.2 | 15 | 16* | | | |
| 16.2 | 9 | 21 | | | |
| 18.2 | 27 | 23 | | | |
| 20.2 | 6 | 20* | | | |
| 22.2 | 30 | 19* | | | |
| 24.2 | 2* | 24* | | | |
| 26.2 | 26 | 17 | | | |
| 28.2 | 10 | 18* | | | |

SHAPE ACCELEROMETER ARRAY (SAA) READINGS

| SAA# | Location | Datalogger | Date | Remarks |
|---------|----------|------------|------|---------------------|
| SAA-P74 | Pile 74 | CR6 | | Remotely Downloaded |






Datalogger is connected to a modem - check datalogger for possible tampering and be ready for manual download with 12V battery

* Not Functioning



SITE MAP
NOT TO SCALE

LEGEND :

- | | |
|---|---|
|  | SLOPE INCLINOMETER <i>(currently using)</i> |
|  | STANDPIPE PIEZOMETER |
|  | PNEUMATIC PIEZOMETER |
|  | SLOPE INCLINOMETER <i>(not in use)</i> |
|  | PNEUMATIC PIEZOMETER <i>(not in use)</i> |

SITE PLAN

1:20,000 (APPROX.)

Alberta
Transportation

PEACE REGION (PEACE RIVER DISTRICT)

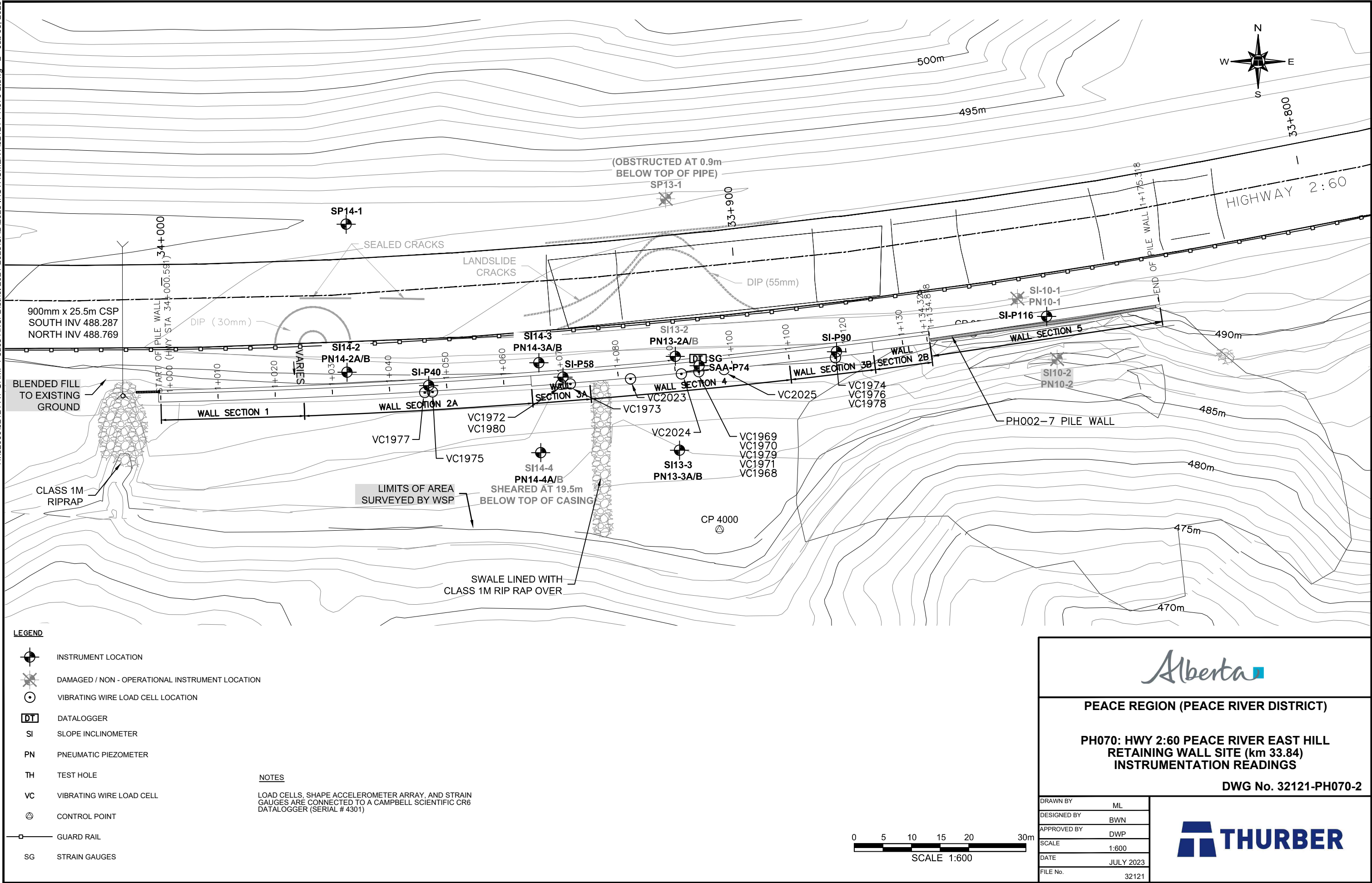
PH070: PEACE RIVER EAST HILL INSTRUMENTATION READINGS

DWG No. 32121-PH070-1

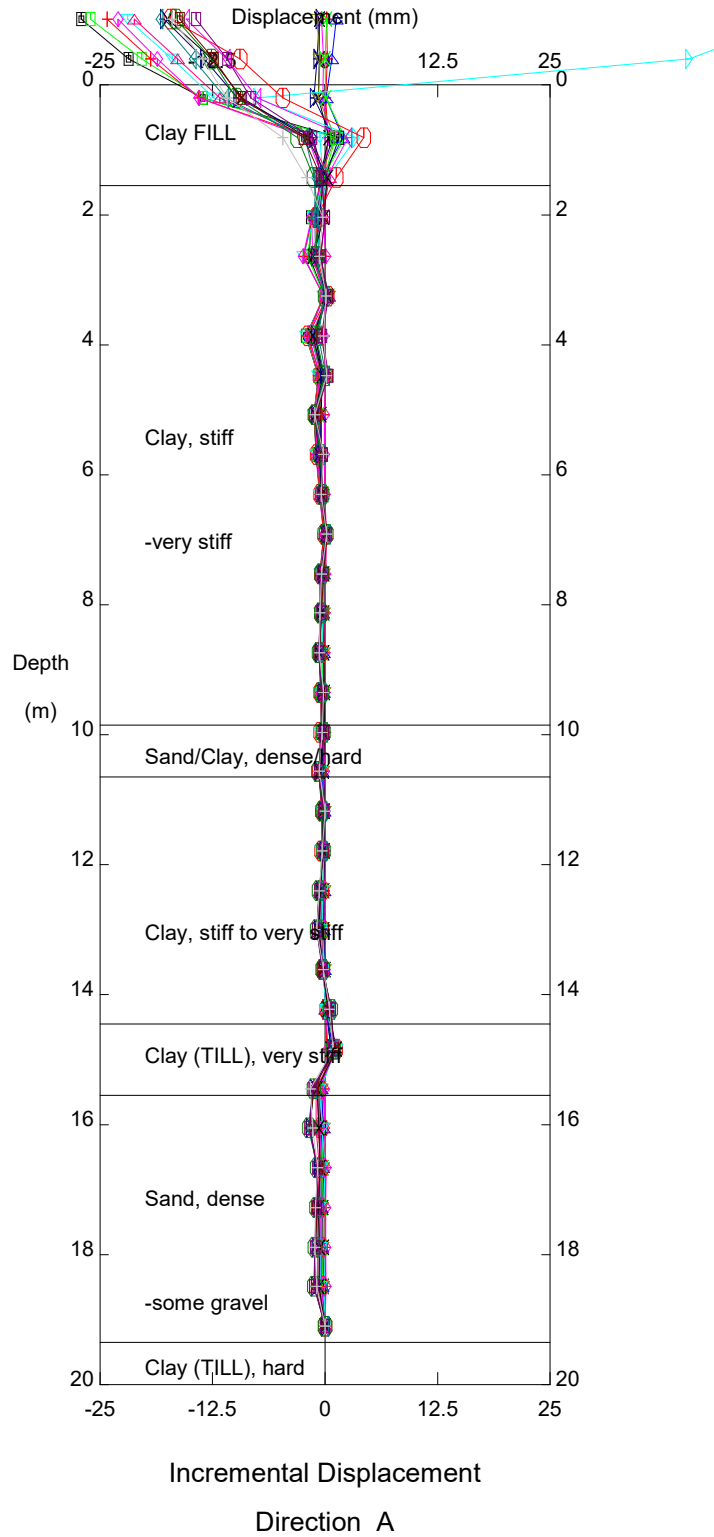
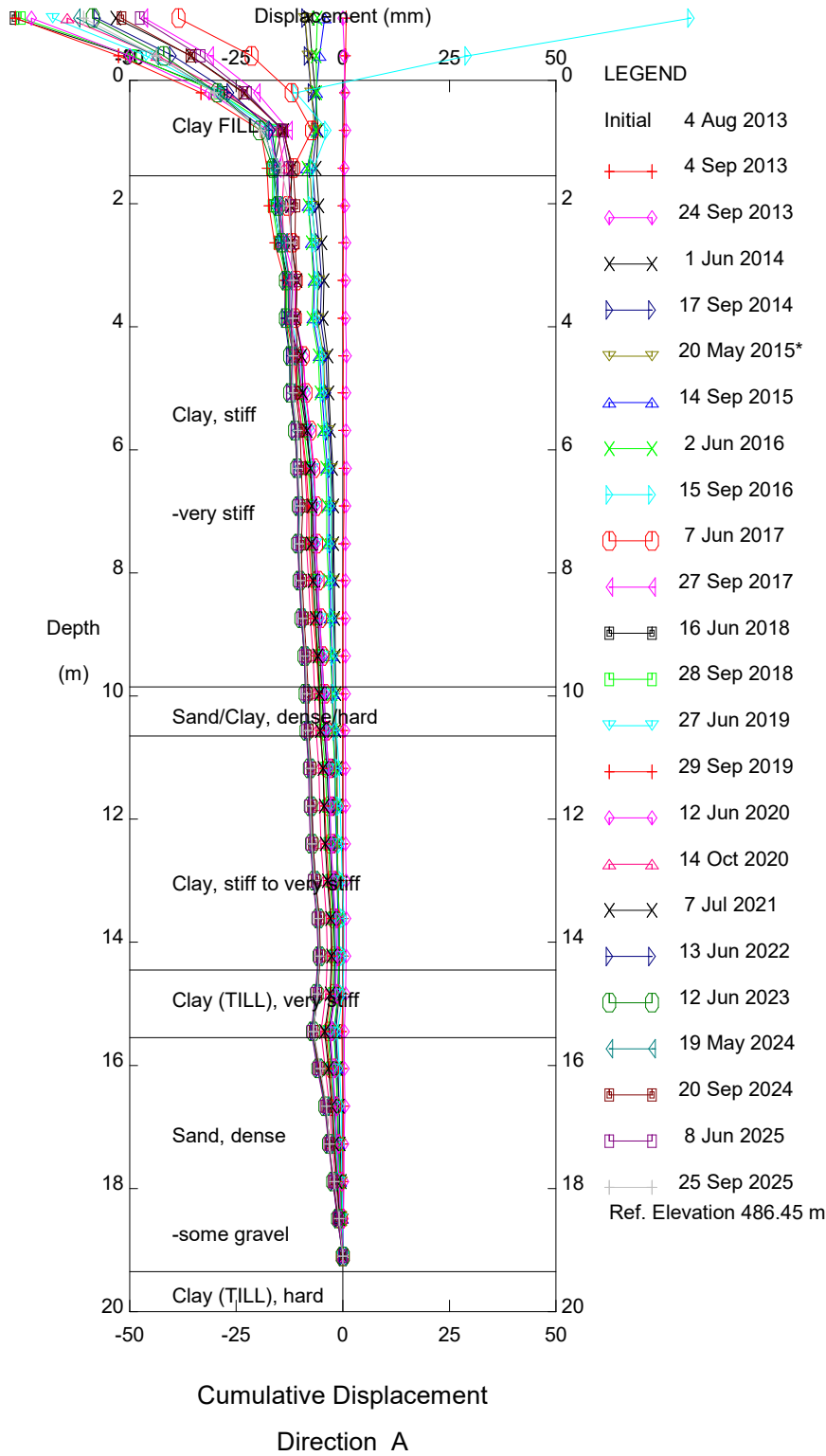
| | |
|-------------|----------|
| DRAWN BY | ML |
| DESIGNED BY | BWN |
| APPROVED BY | DWP |
| SCALE | AS SHOWN |
| DATE | JULY 202 |
| FILE No. | 3212 |



H:\32000\32121 AT GRMP Peace River District 2021-2025\CAD\2023 INSTRUMENT\32121-PH070-2.dwg - 2 - Jul. 05. 2023



Thurber Engineering - Edmonton

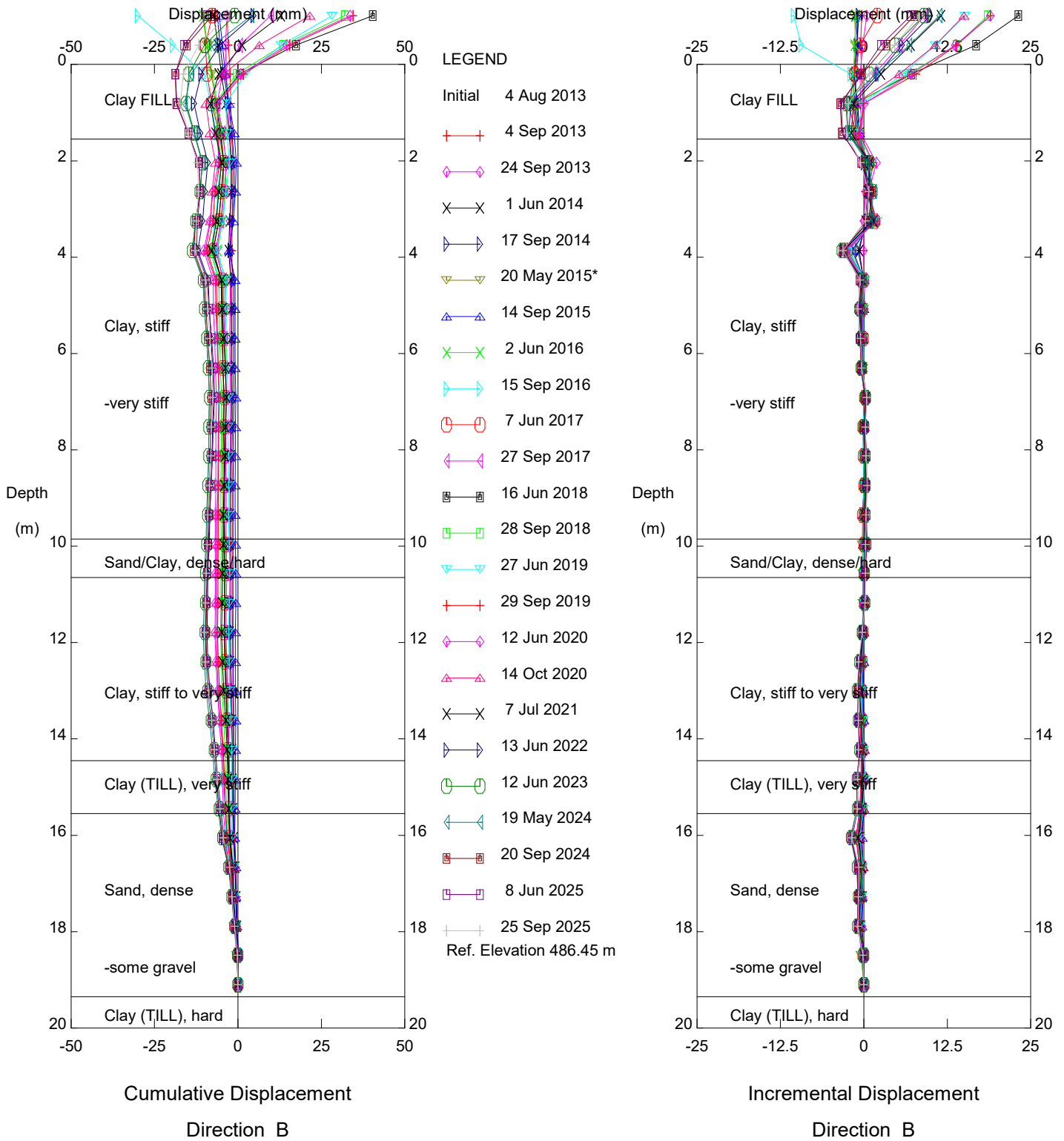


Peace River East Hill PH070, Inclinator SI13-3

Alberta Transportation

Sets marked * include zero shift and/or rotation corrections.

Thurber Engineering - Edmonton

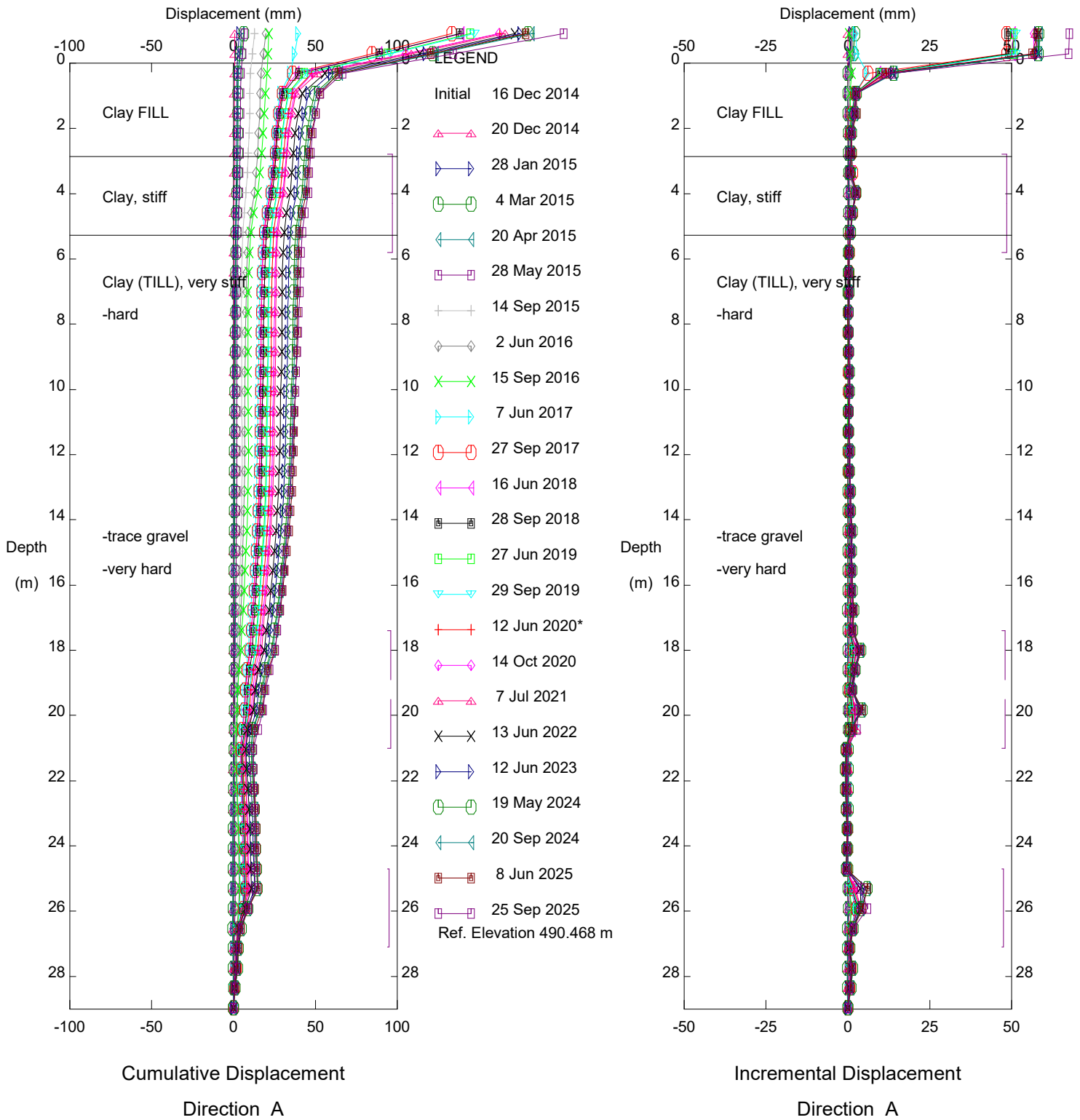


Peace River East Hill PH070, Inclinometer SI13-3

Alberta Transportation

Sets marked * include zero shift and/or rotation corrections.

Thurber Engineering - Edmonton

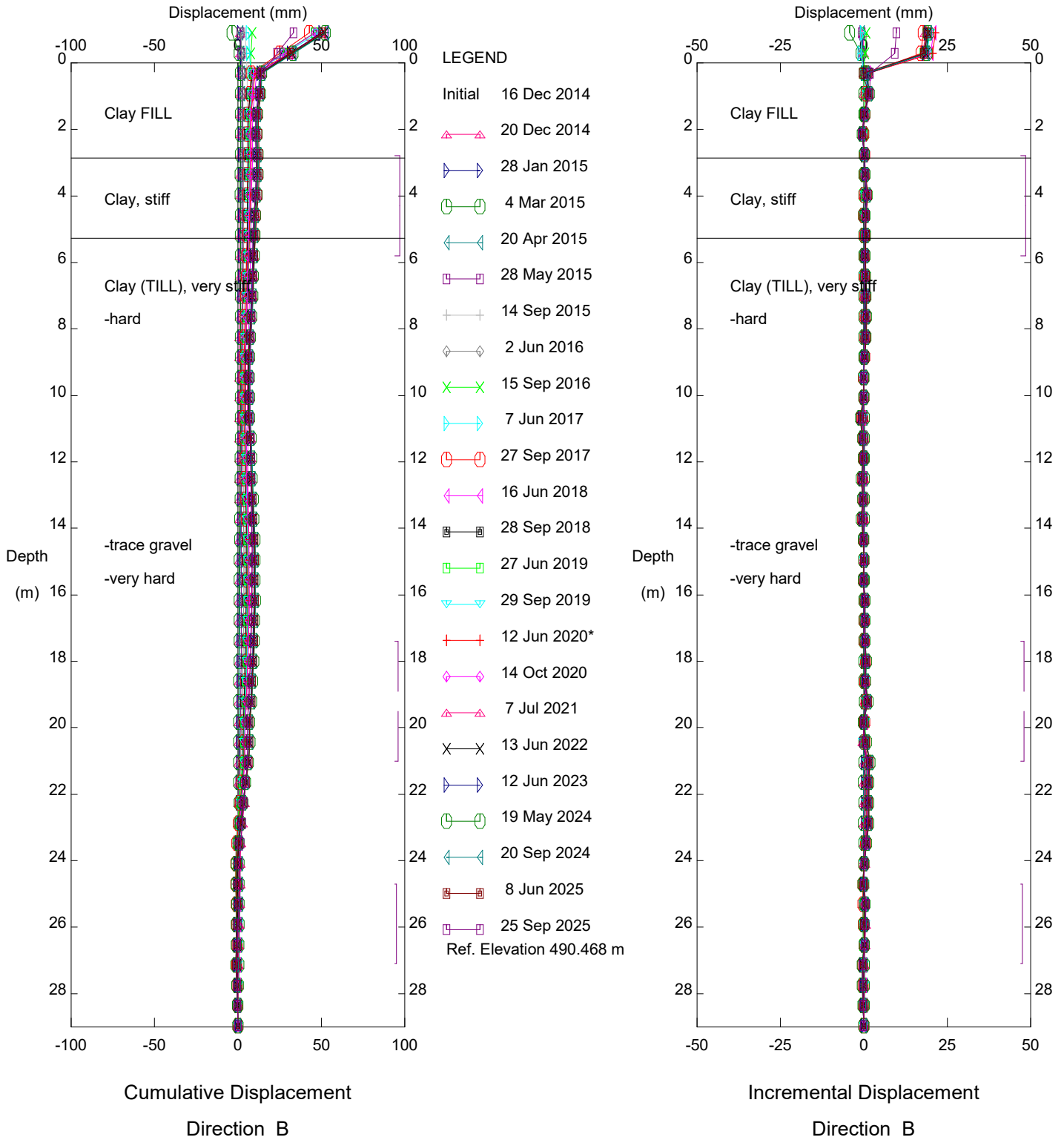


Peace River East Hill PH070, Inclinator SI14-2

Alberta Transportation

Sets marked * include zero shift and/or rotation corrections.

Thurber Engineering - Edmonton

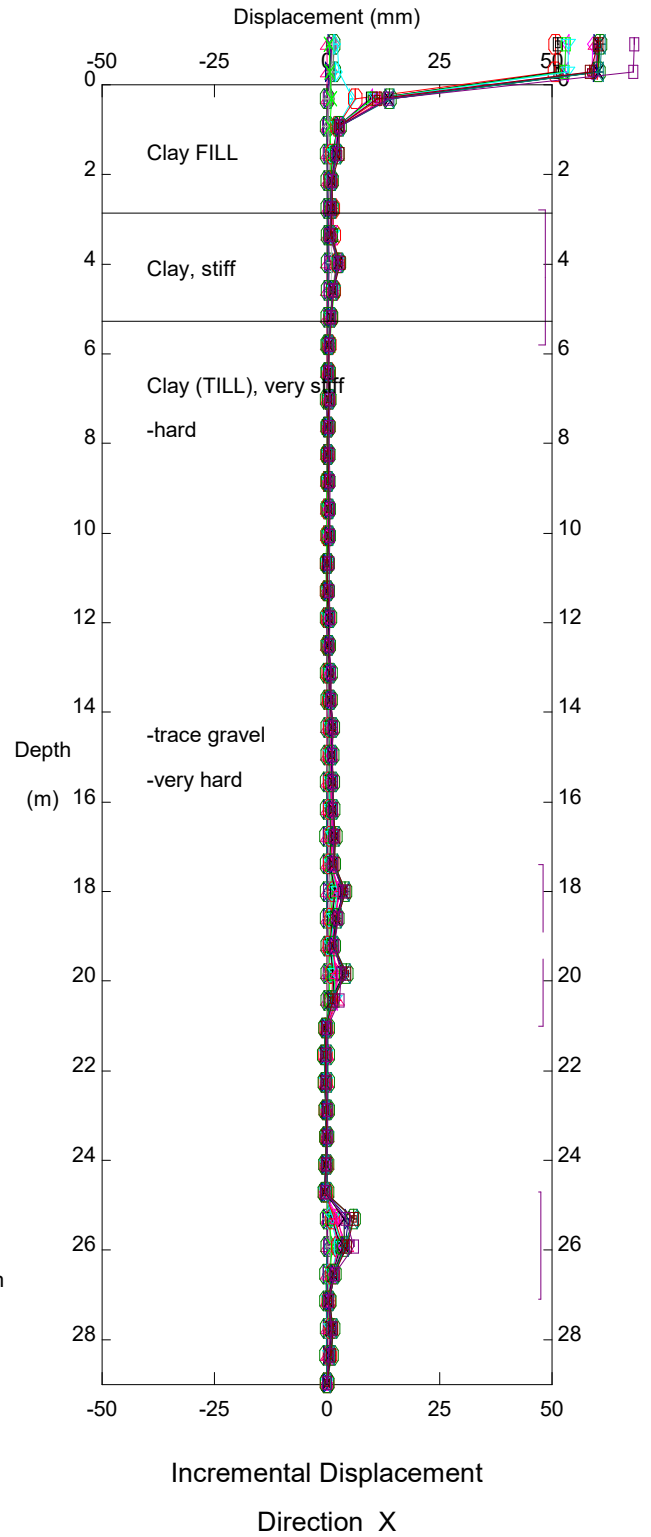
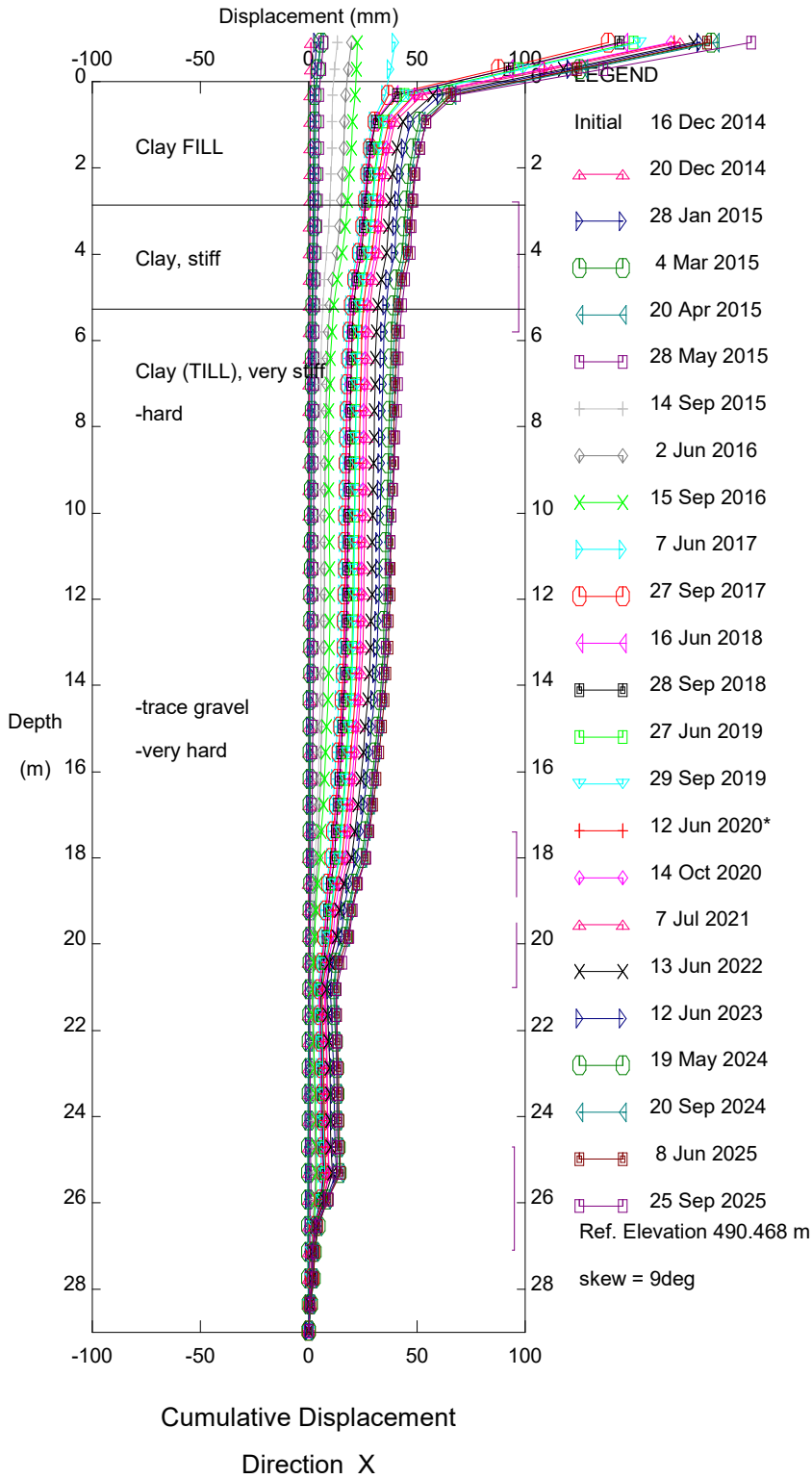


Peace River East Hill PH070, Inclinator SI14-2

Alberta Transportation

Sets marked * include zero shift and/or rotation corrections.

Thurber Engineering - Edmonton

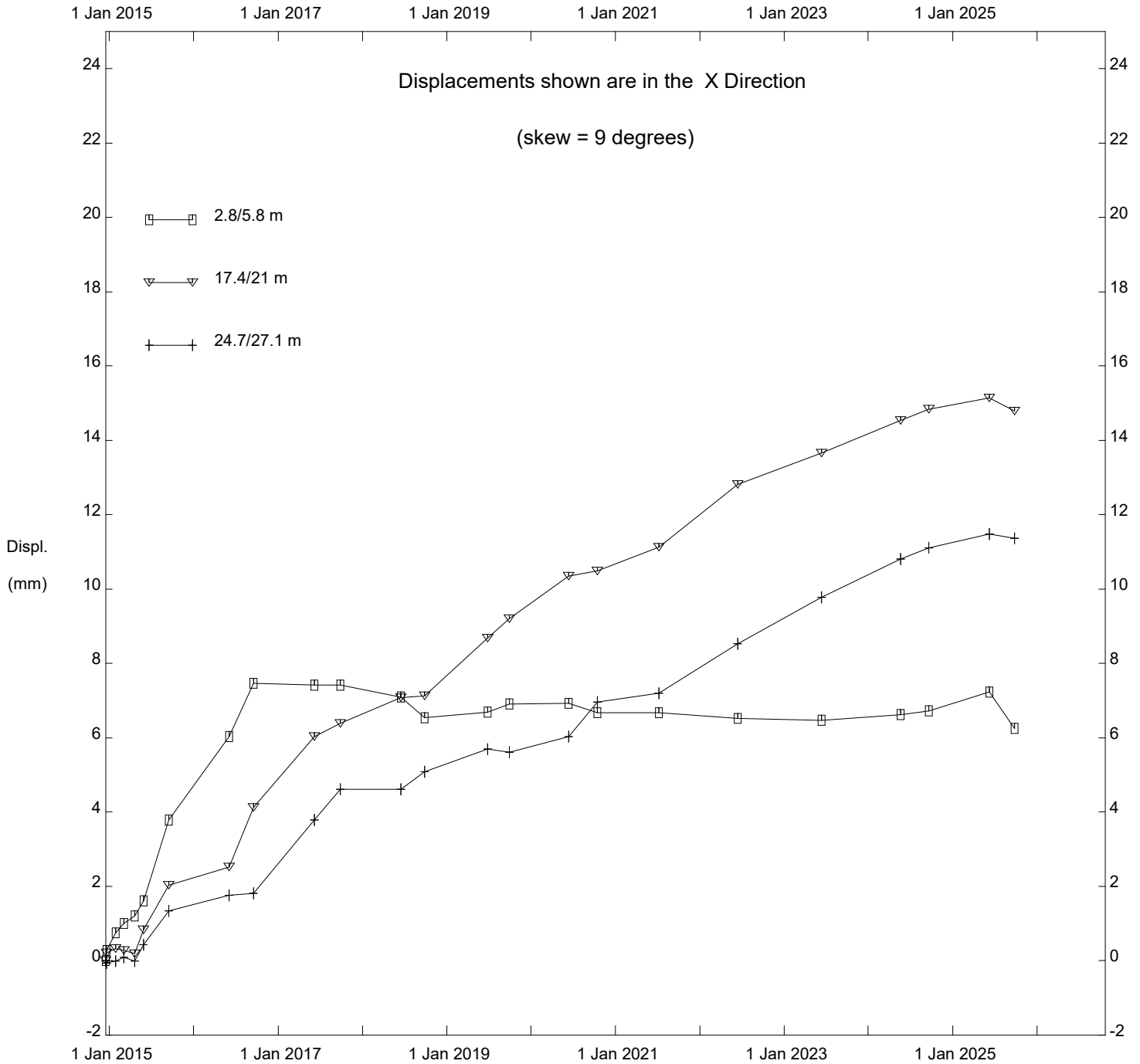


Peace River East Hill PH070, Inclinerometer SI14-2

Alberta Transportation

Sets marked * include zero shift and/or rotation corrections.

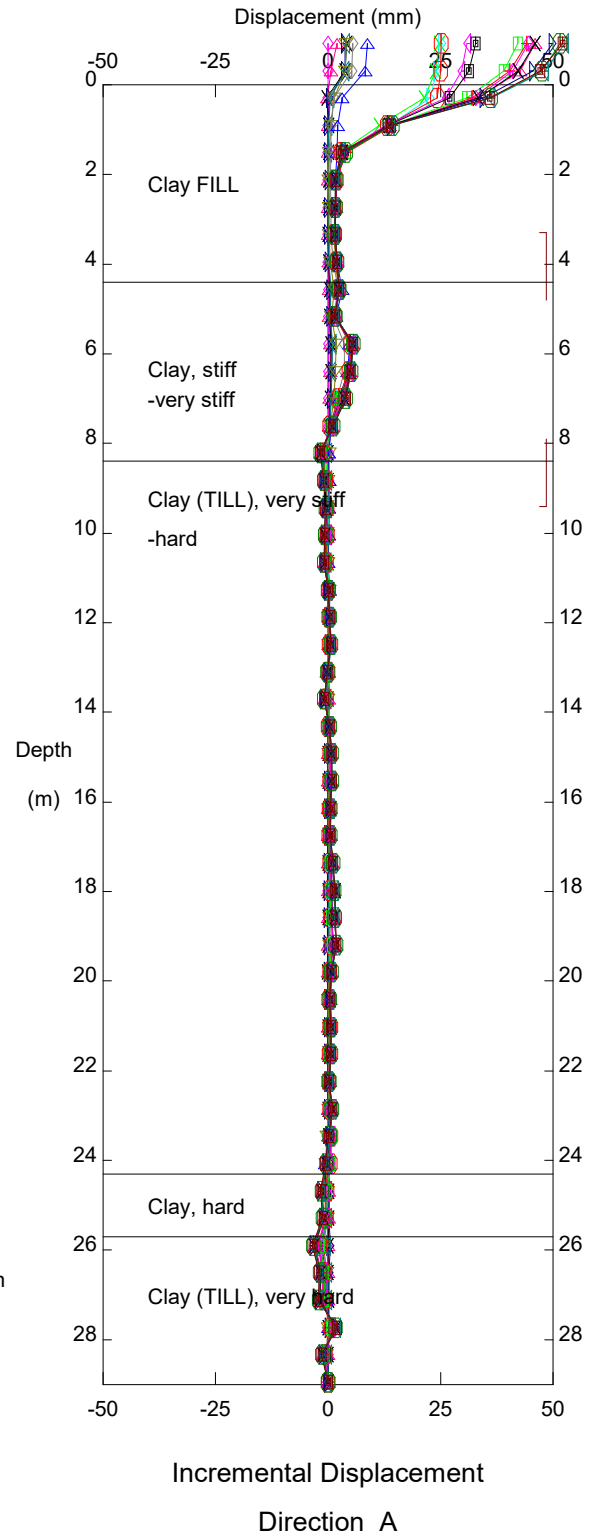
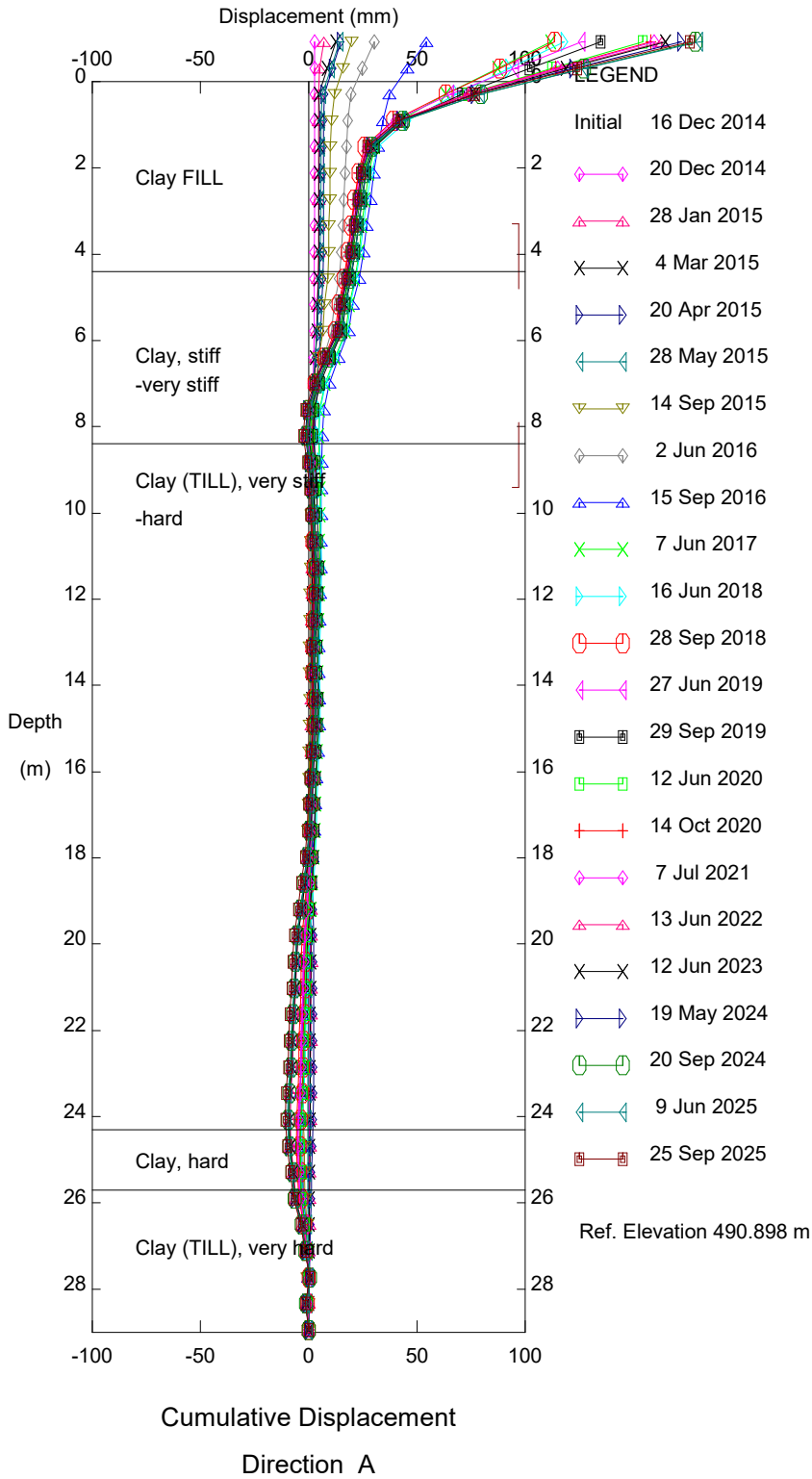
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinator SI14-2

Alberta Transportation

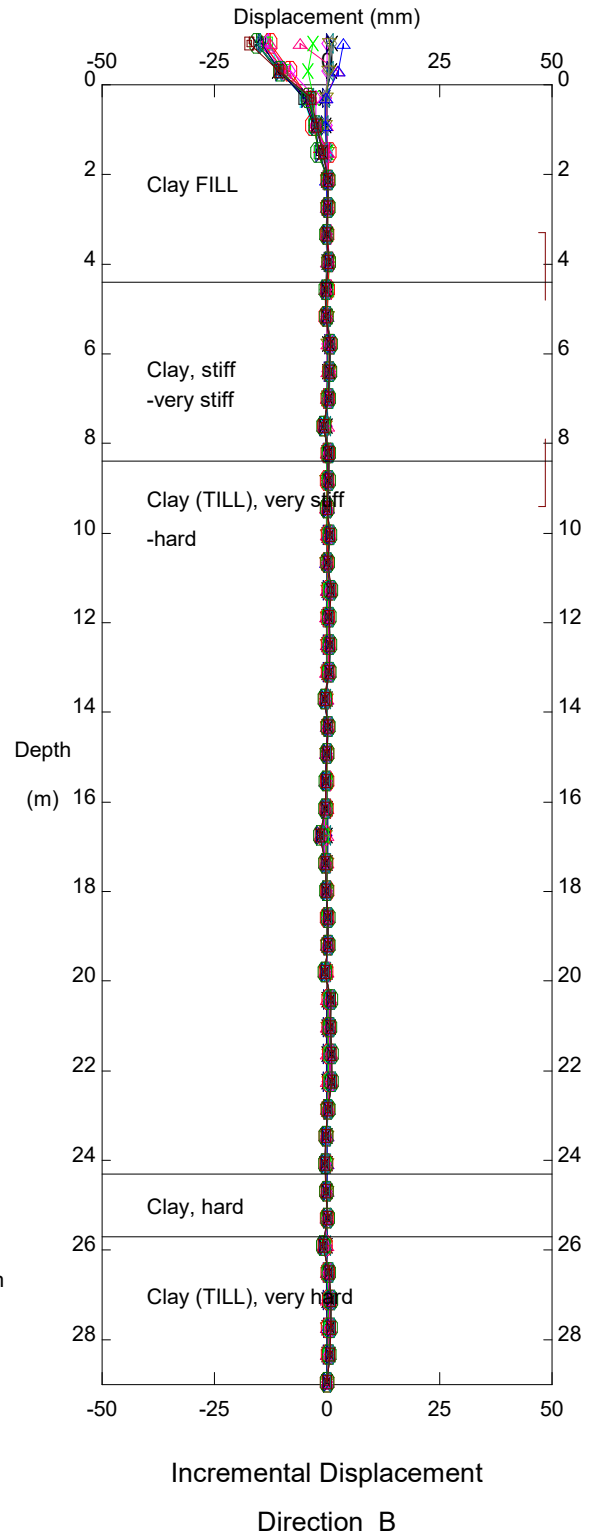
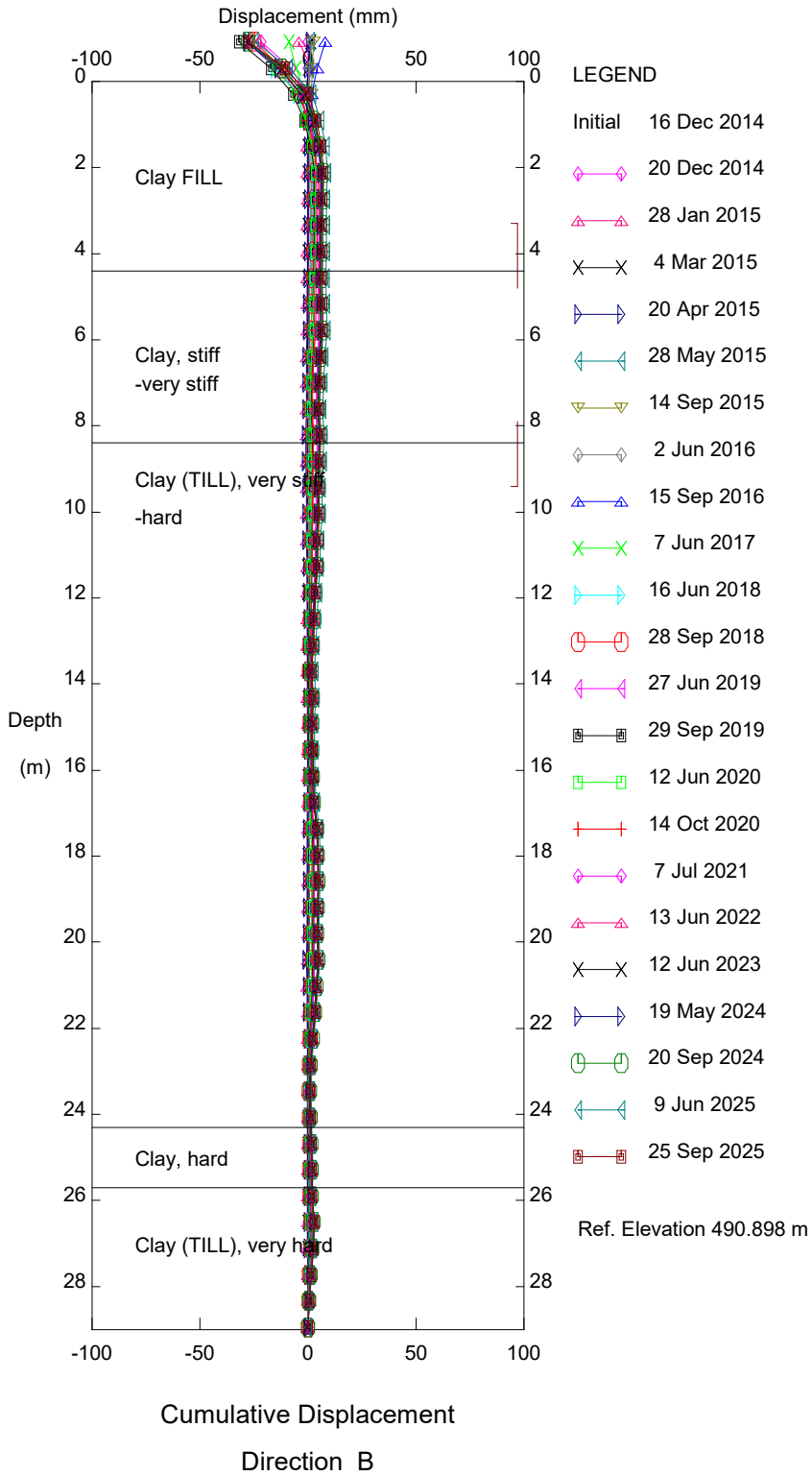
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinator SI14-3

Alberta Transportation

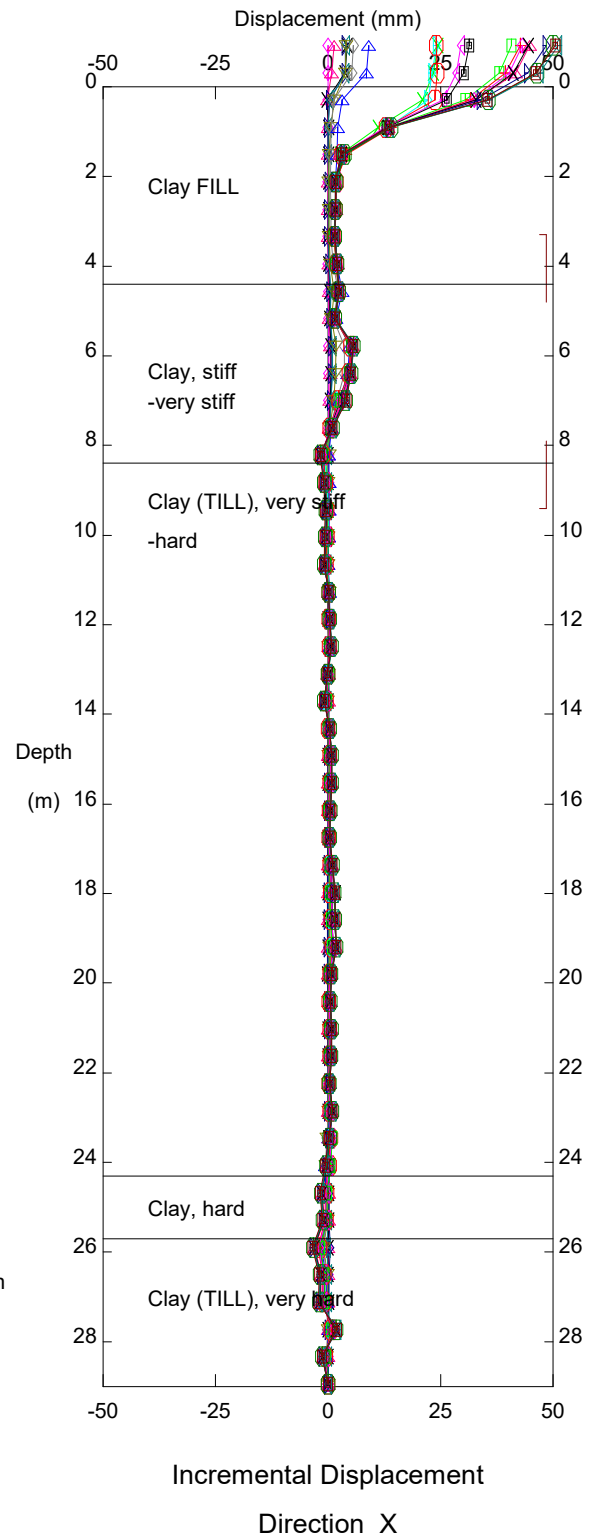
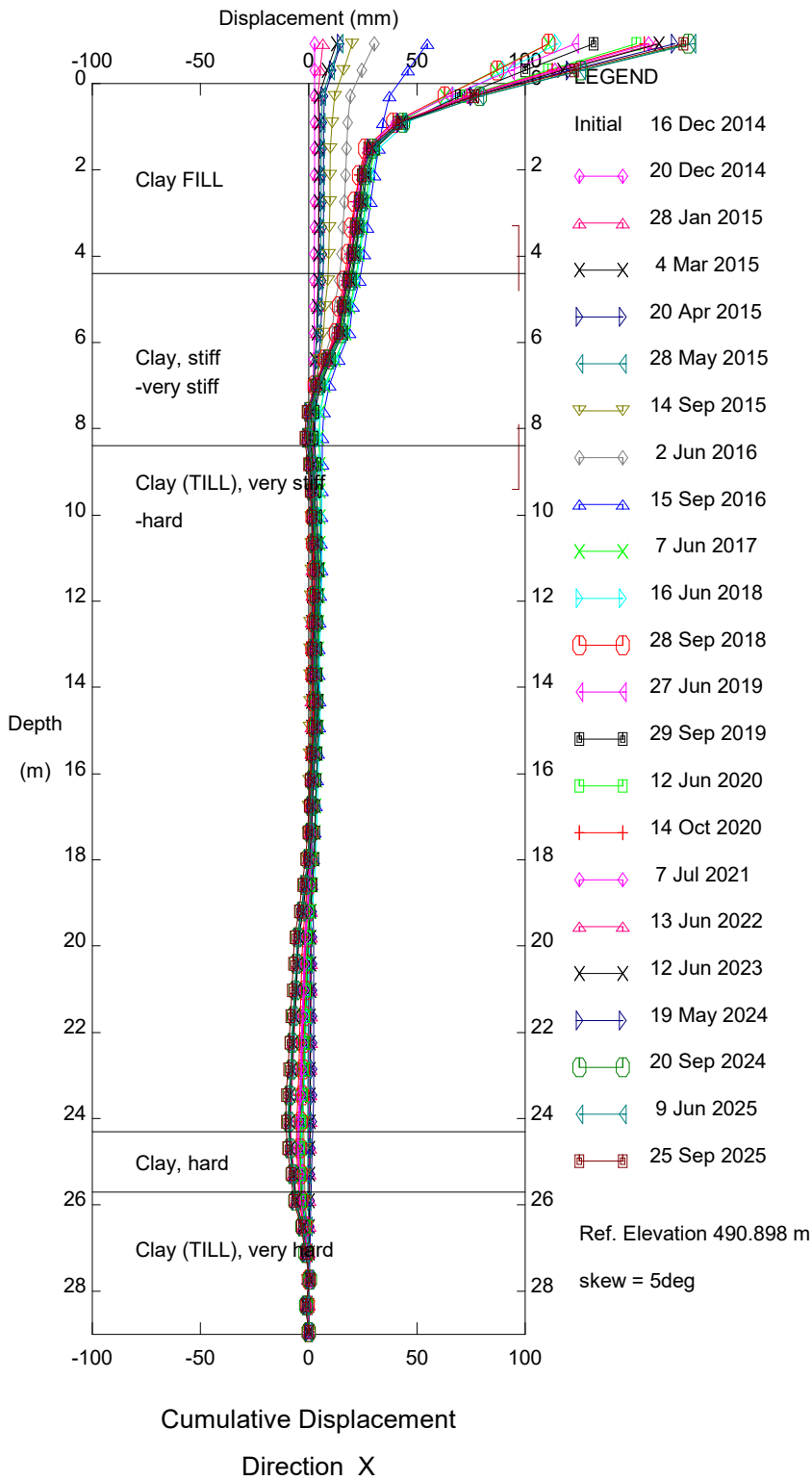
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinator SI14-3

Alberta Transportation

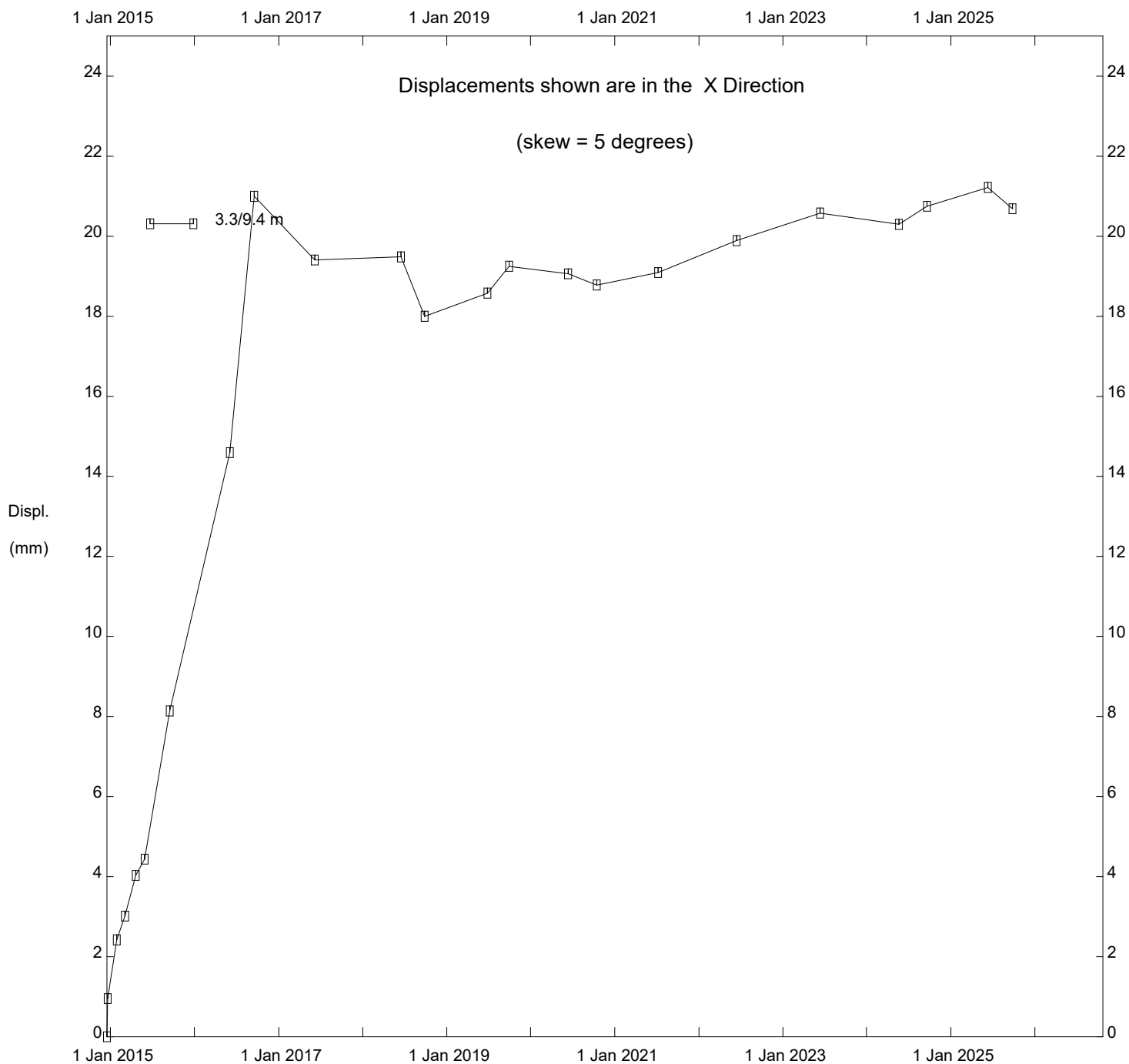
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinator SI14-3

Alberta Transportation

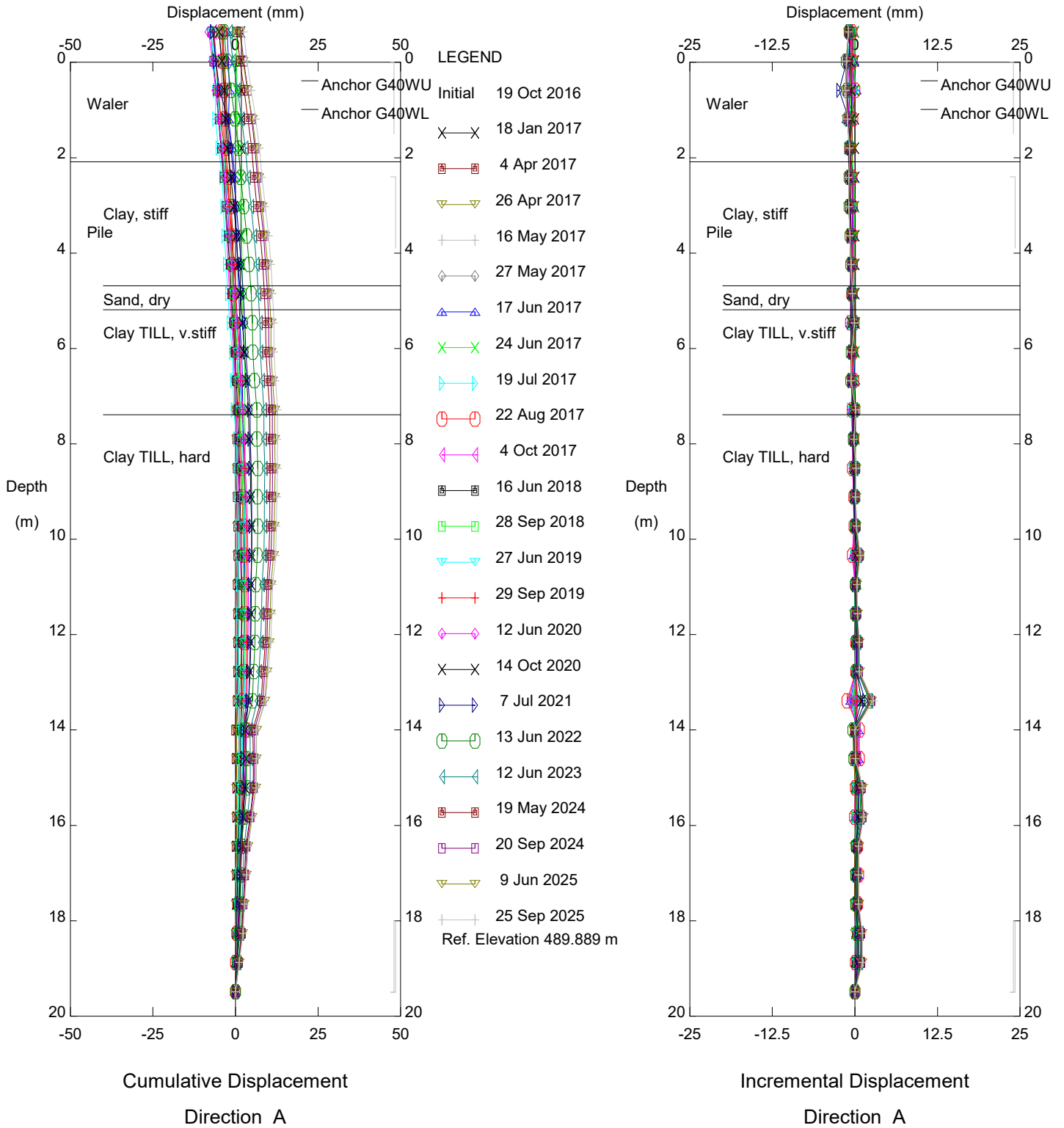
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinometer SI14-3

Alberta Transportation

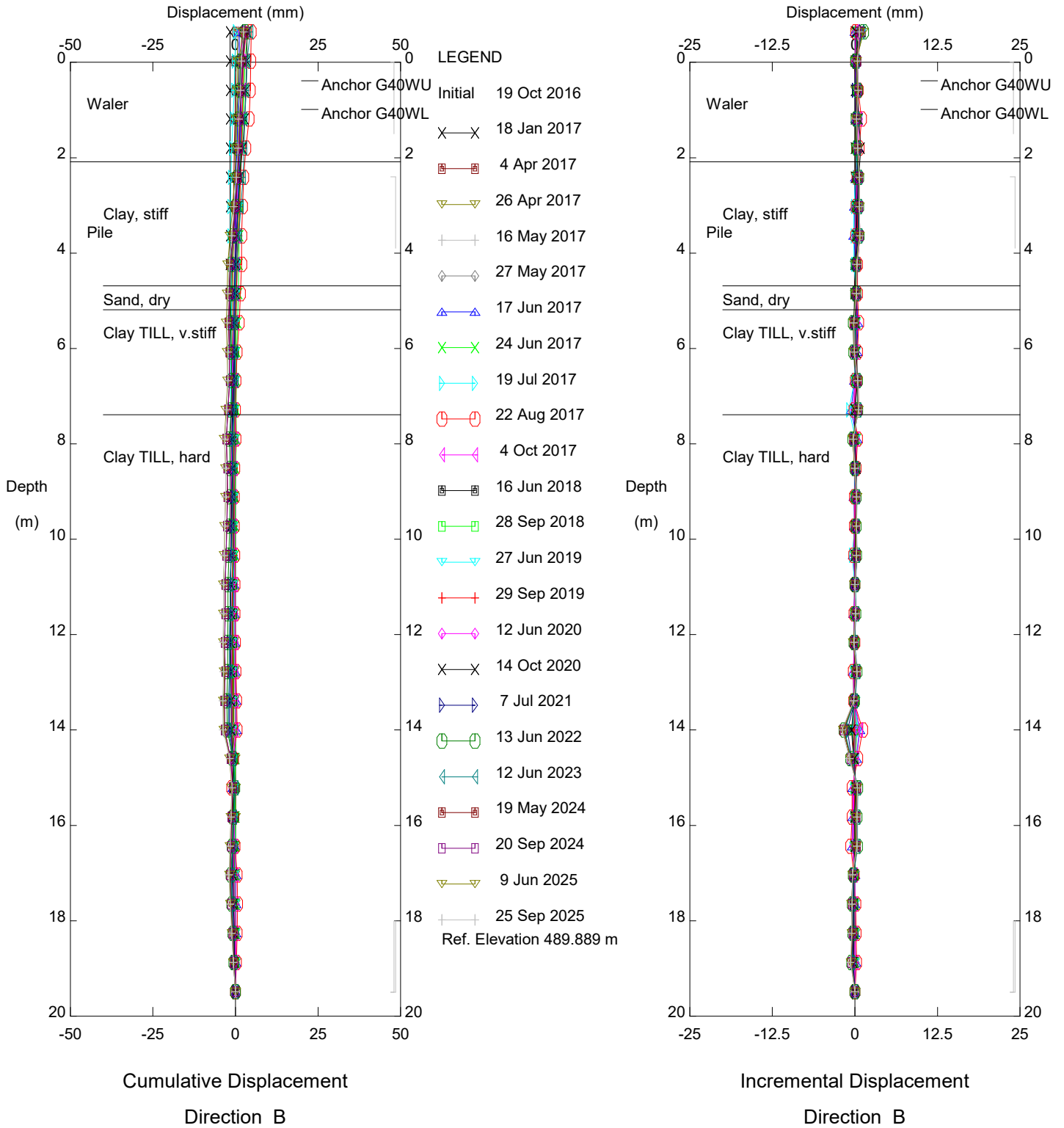
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinometer P40

Alberta Transportation

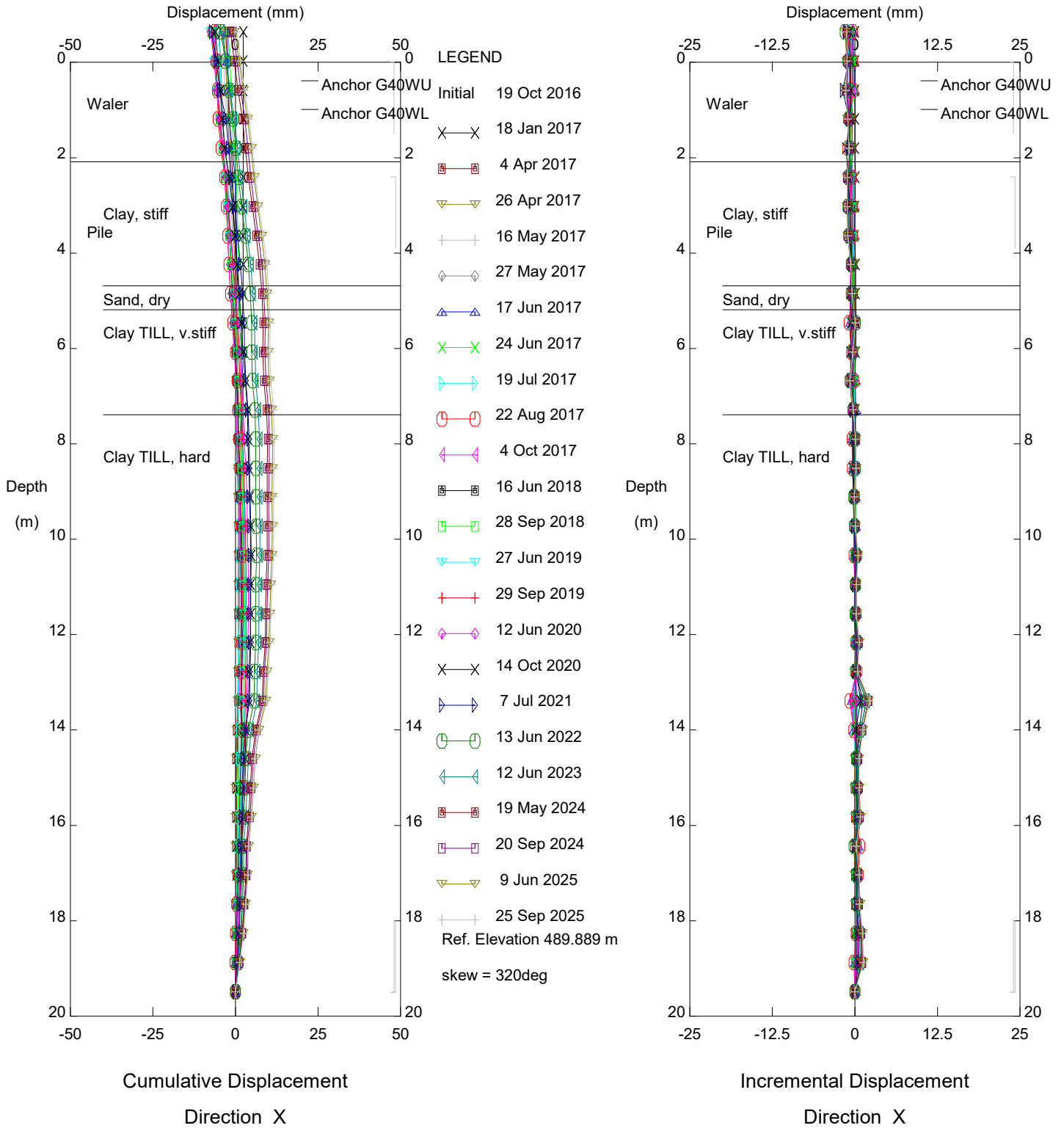
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinometer P40

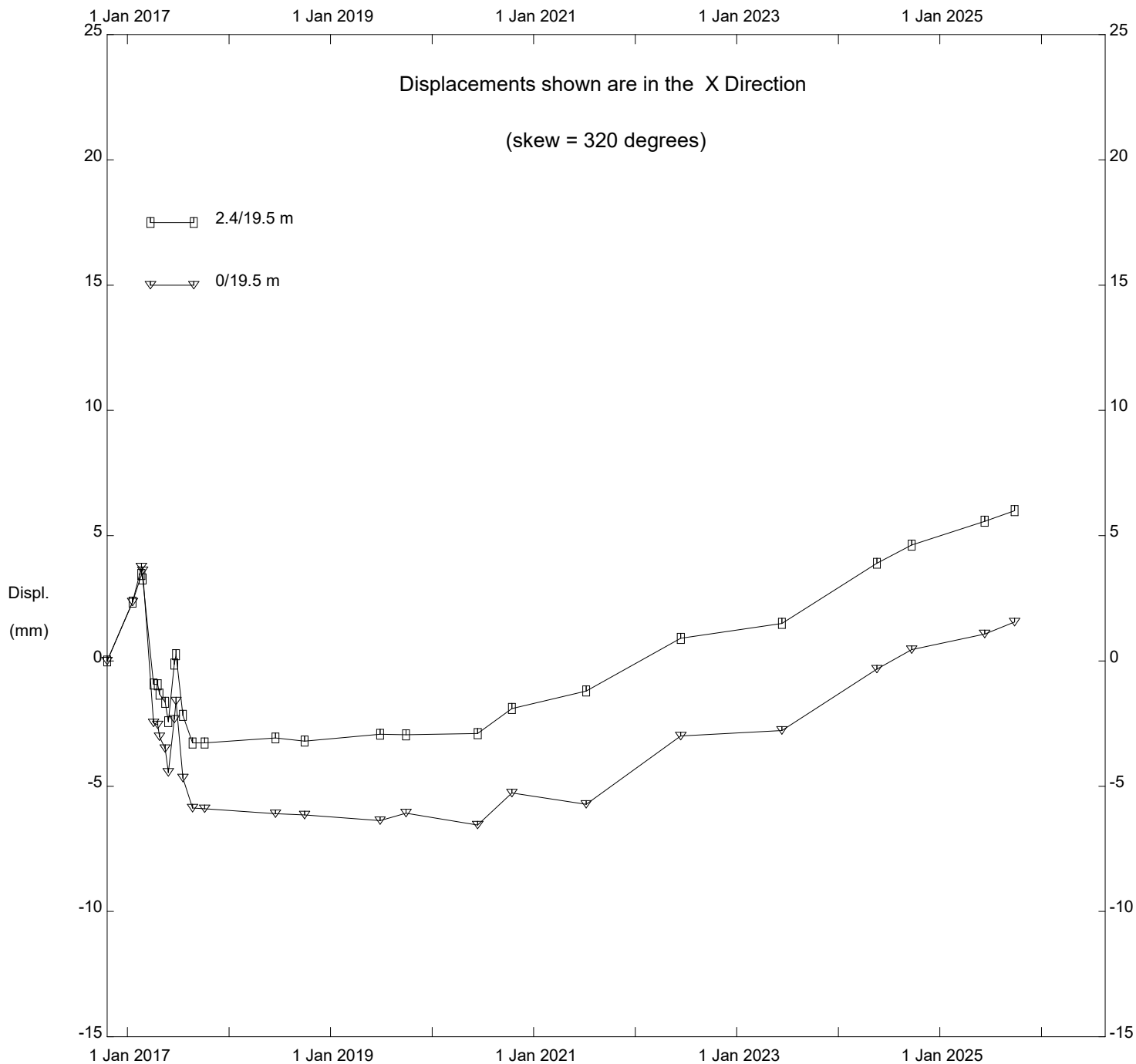
Alberta Transportation

Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinometer P40

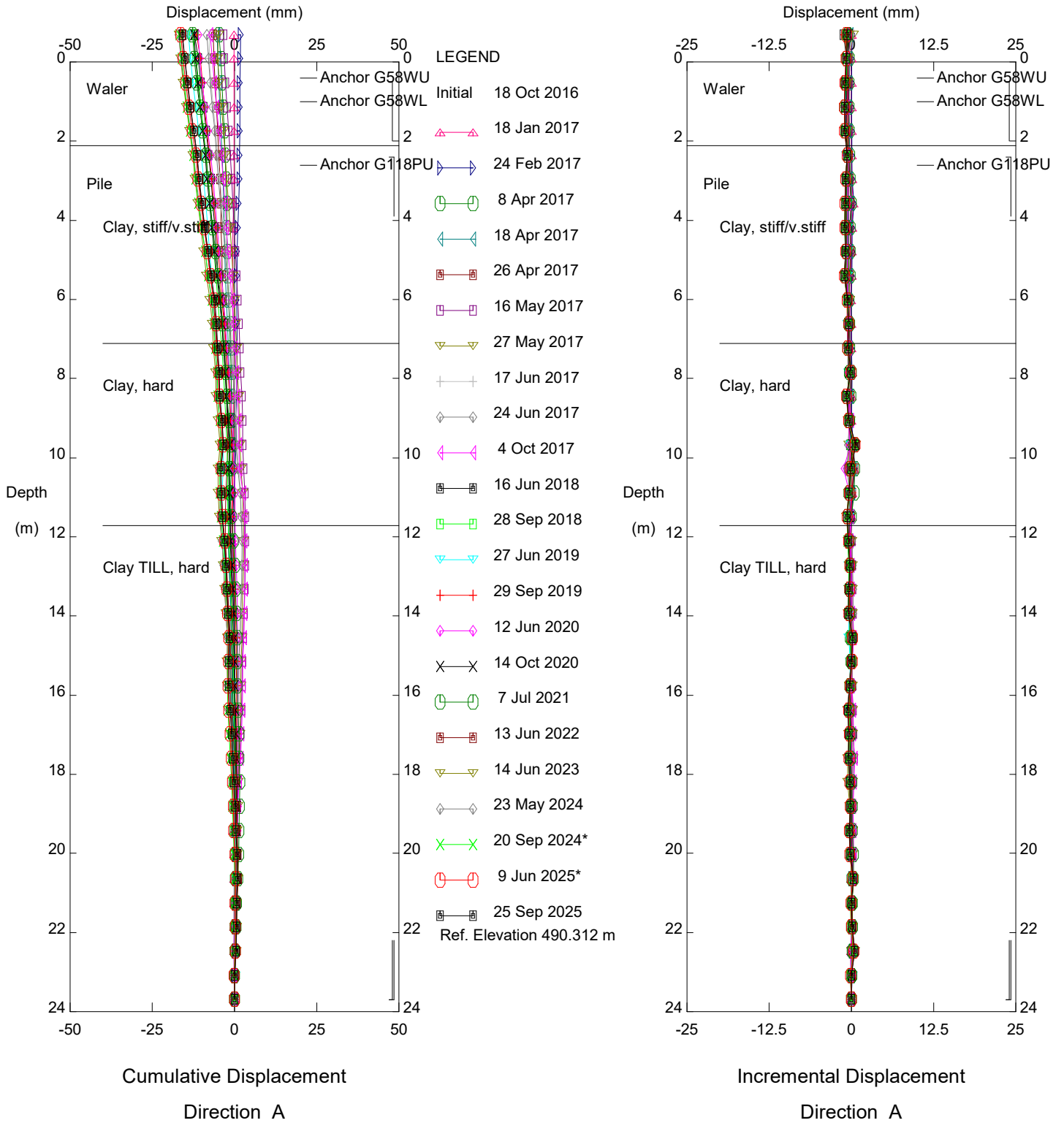
Alberta Transportation



Peace River East Hill PH070, Inclinometer P40

Alberta Transportation

Thurber Engineering - Edmonton

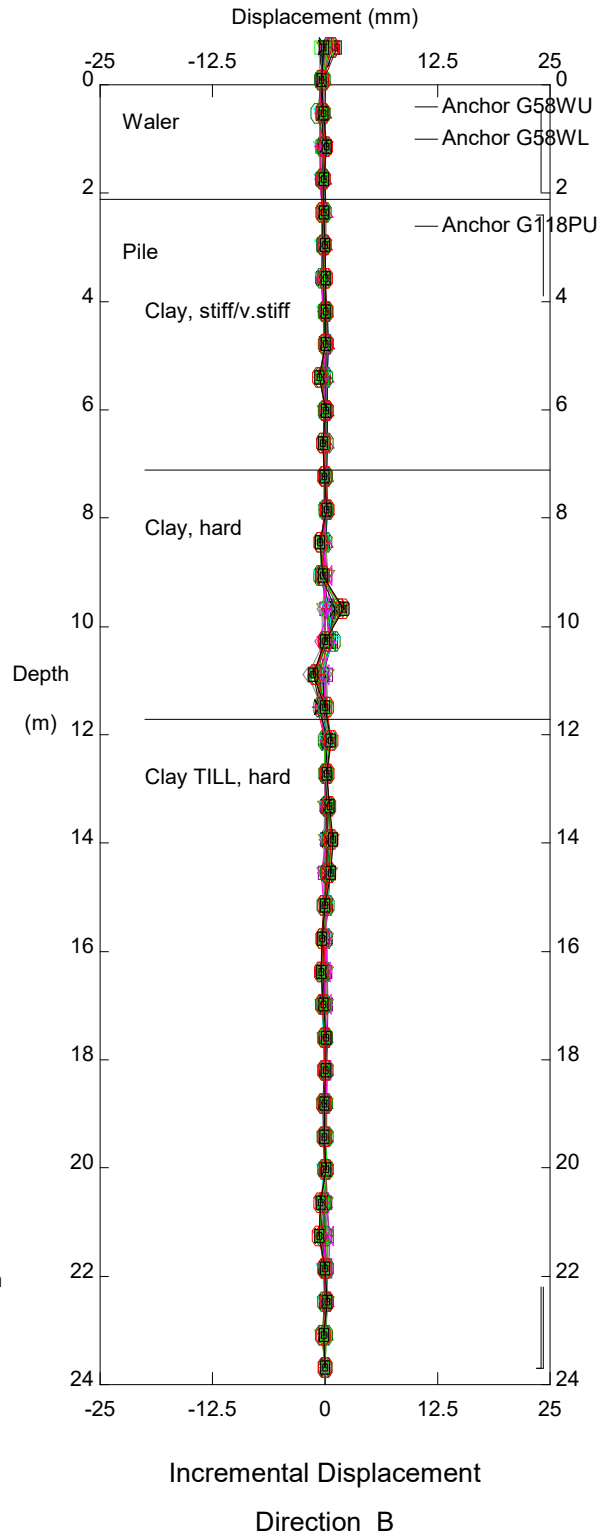
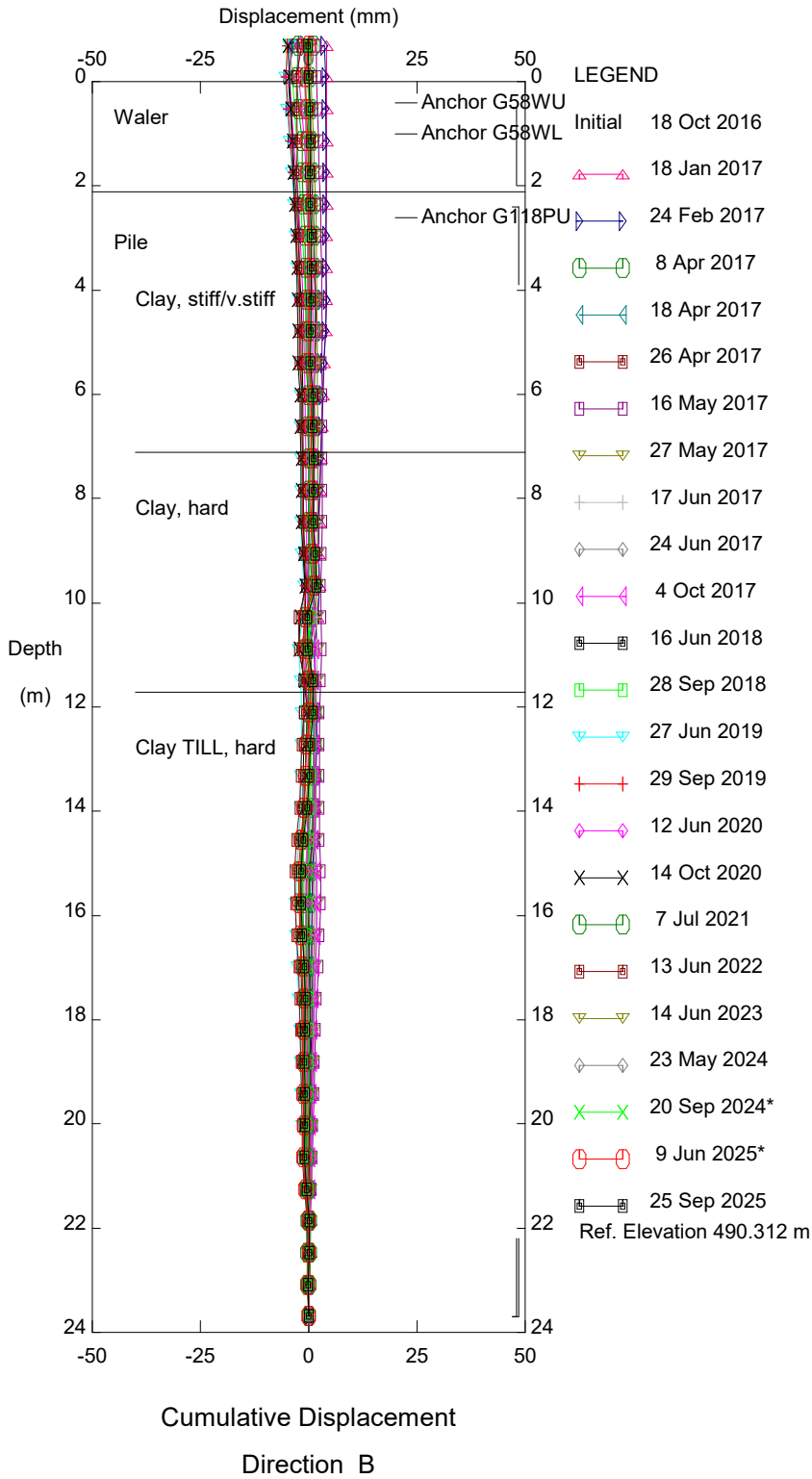


Peace River East Hill PH070, Inclinometer P58

Alberta Transportation

Sets marked * include zero shift and/or rotation corrections.

Thurber Engineering - Edmonton

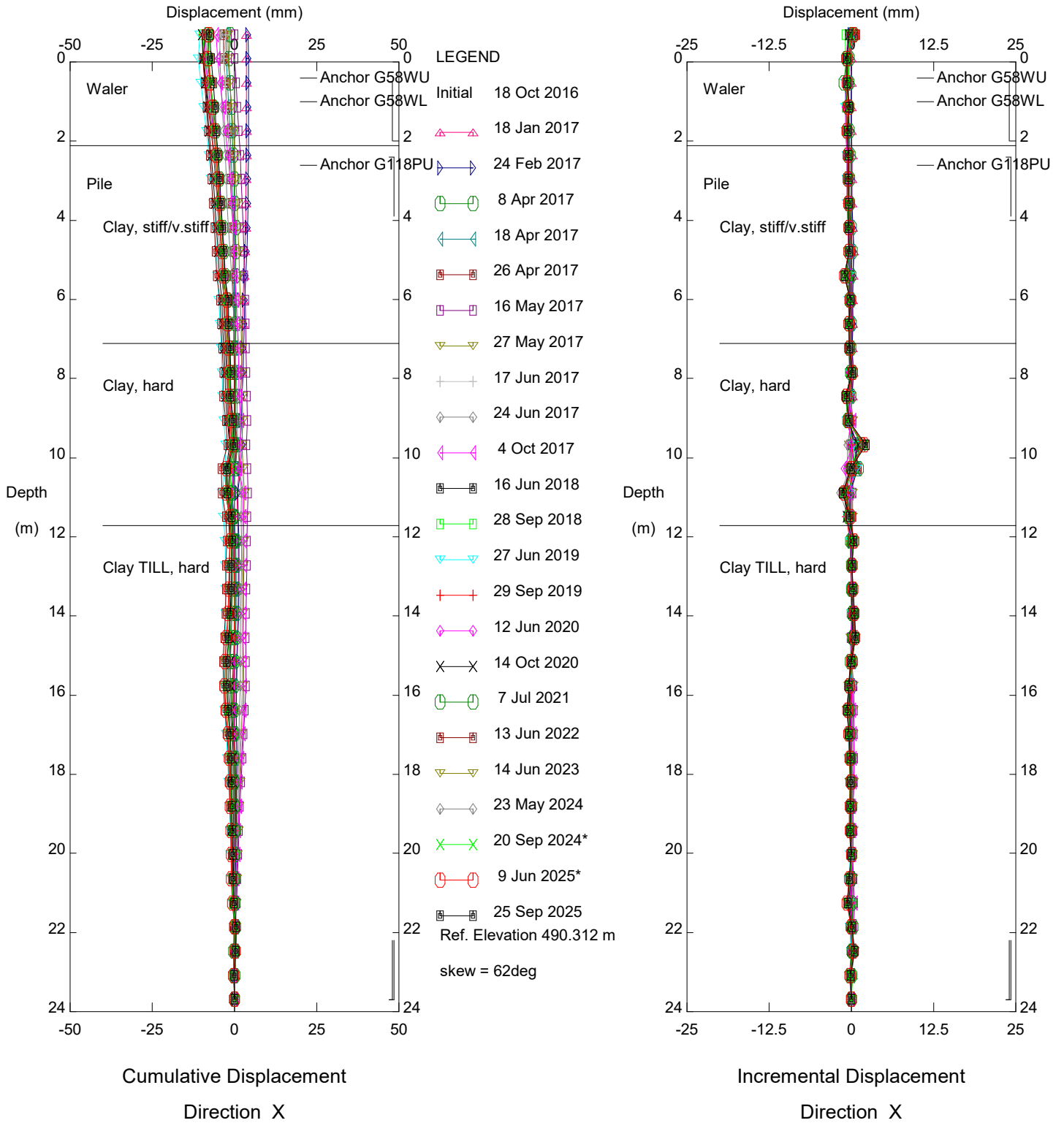


Peace River East Hill PH070, Inclinometer P58

Alberta Transportation

Sets marked * include zero shift and/or rotation corrections.

Thurber Engineering - Edmonton

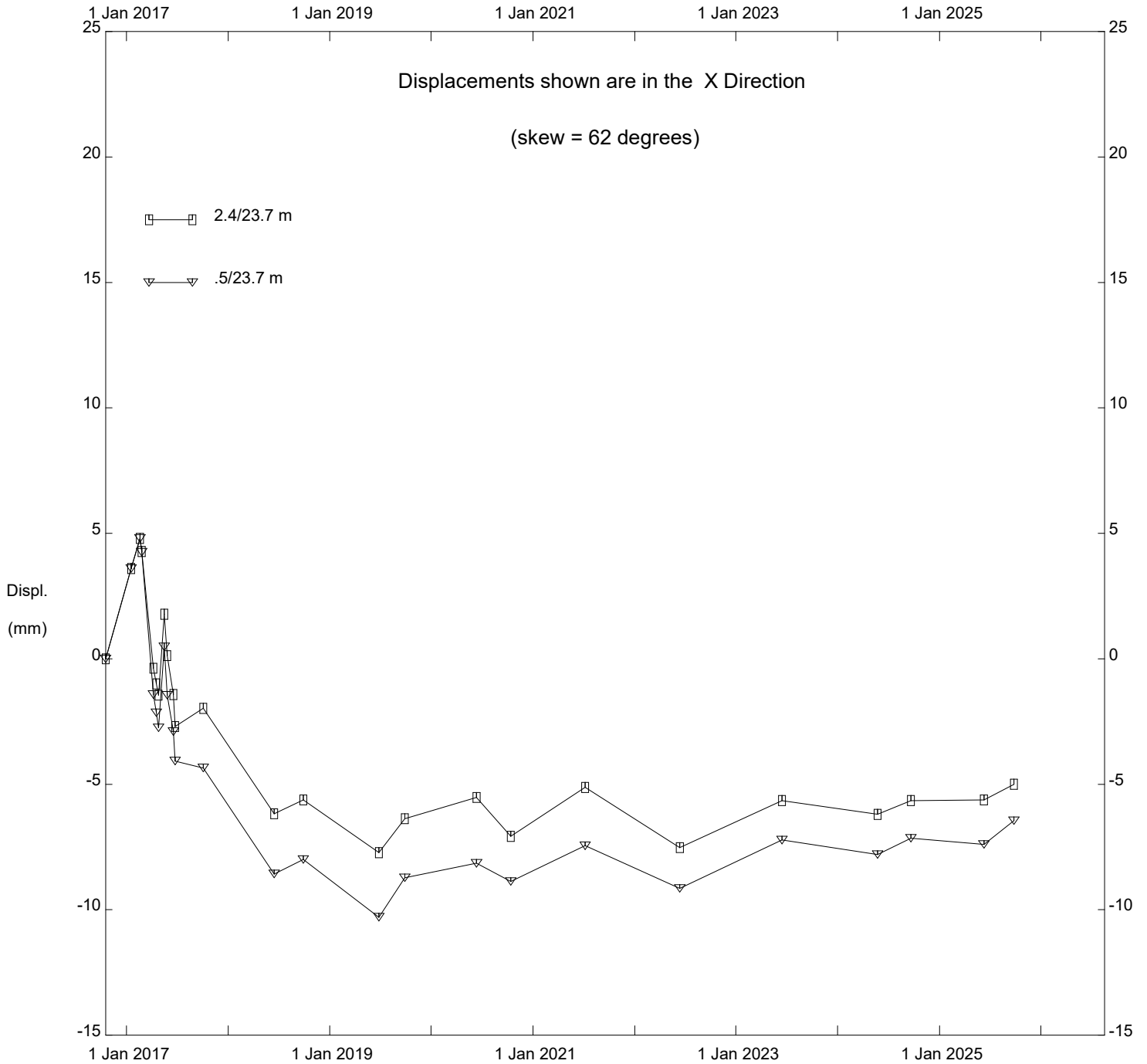


Peace River East Hill PH070, Inclinometer P58

Alberta Transportation

Sets marked * include zero shift and/or rotation corrections.

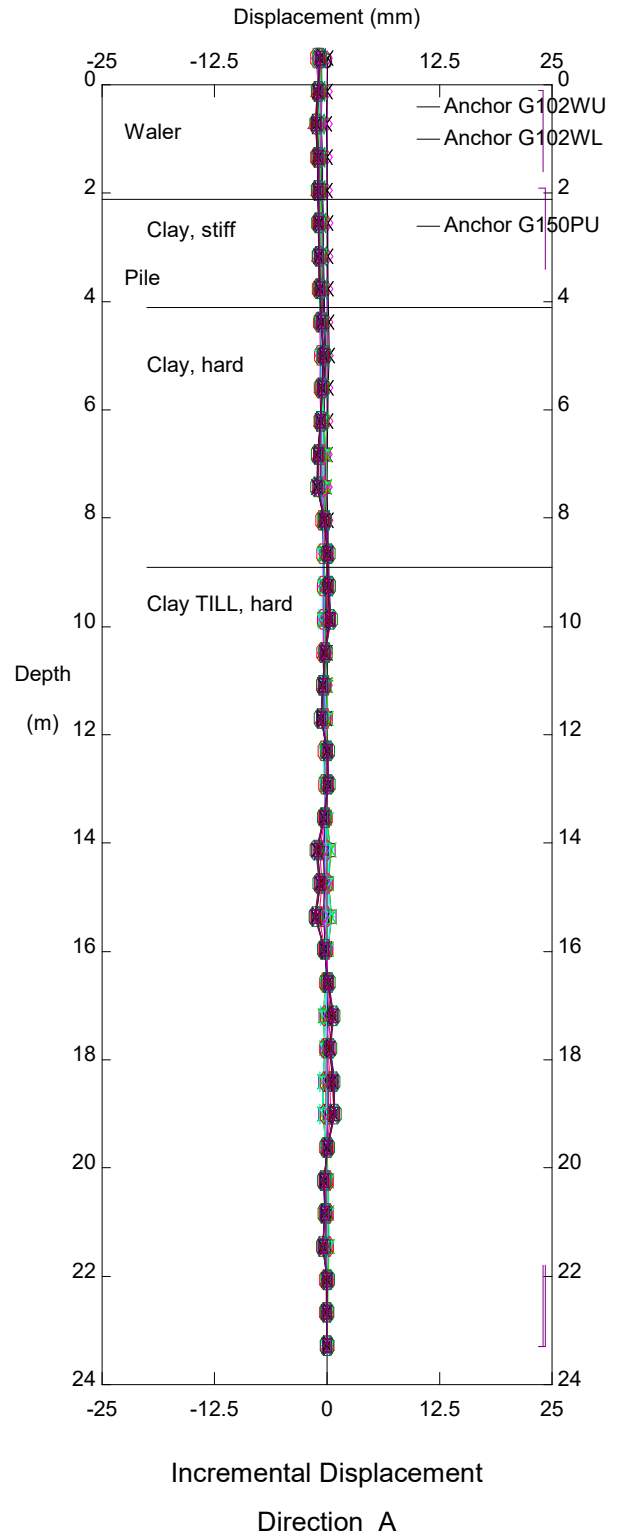
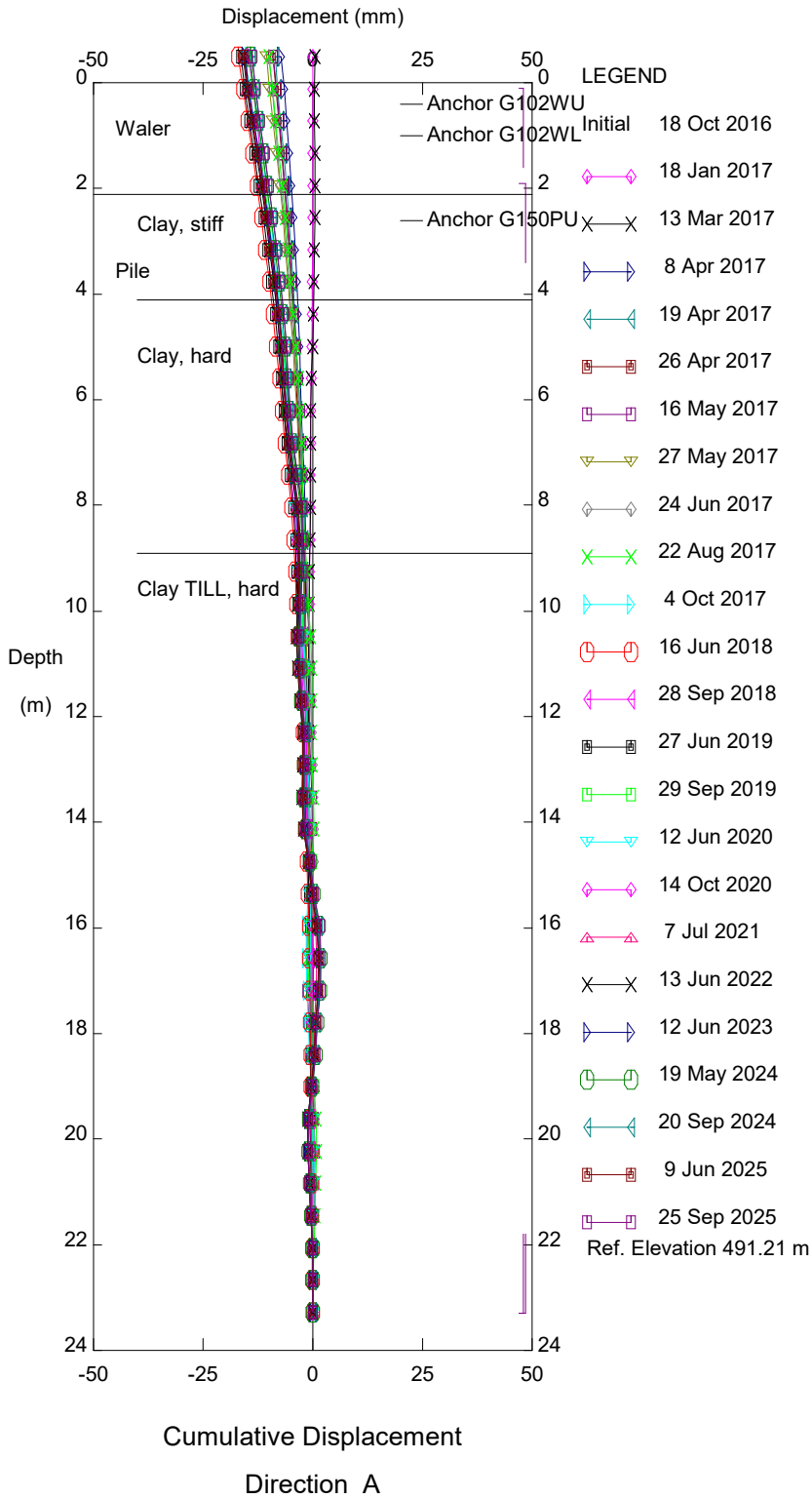
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinator P58

Alberta Transportation

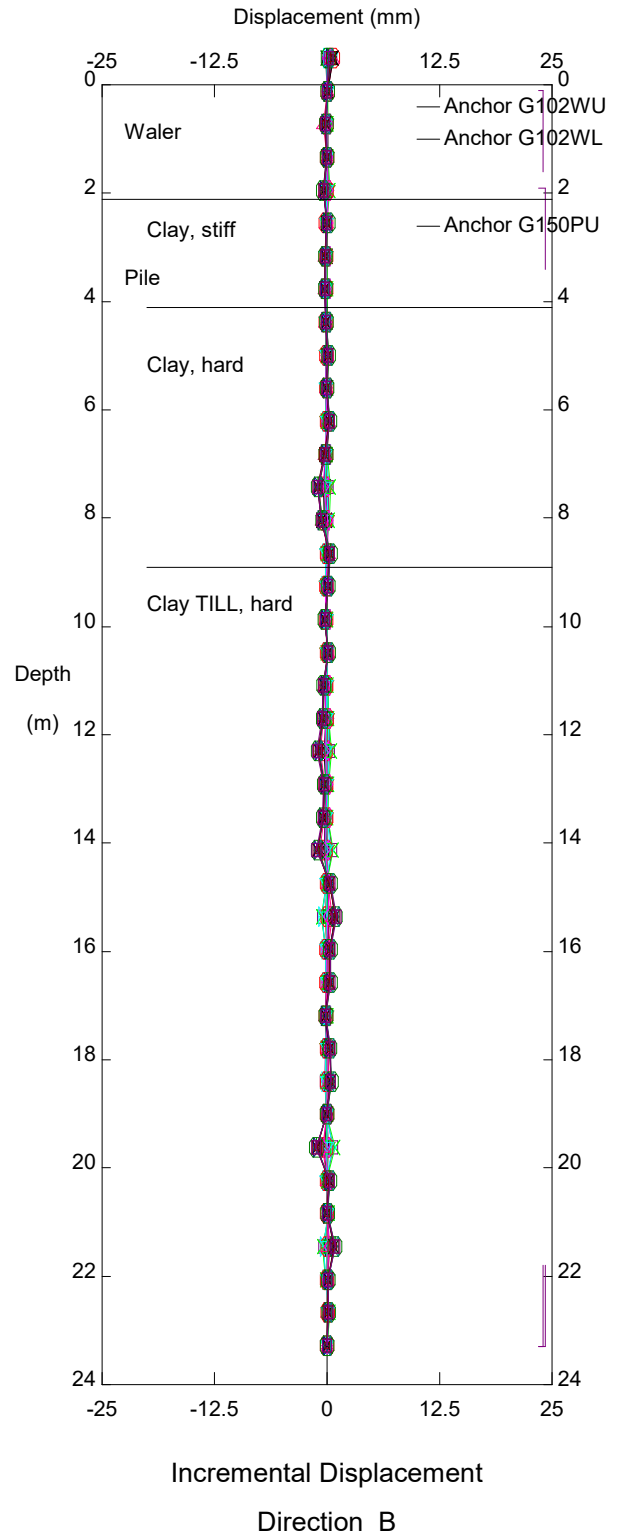
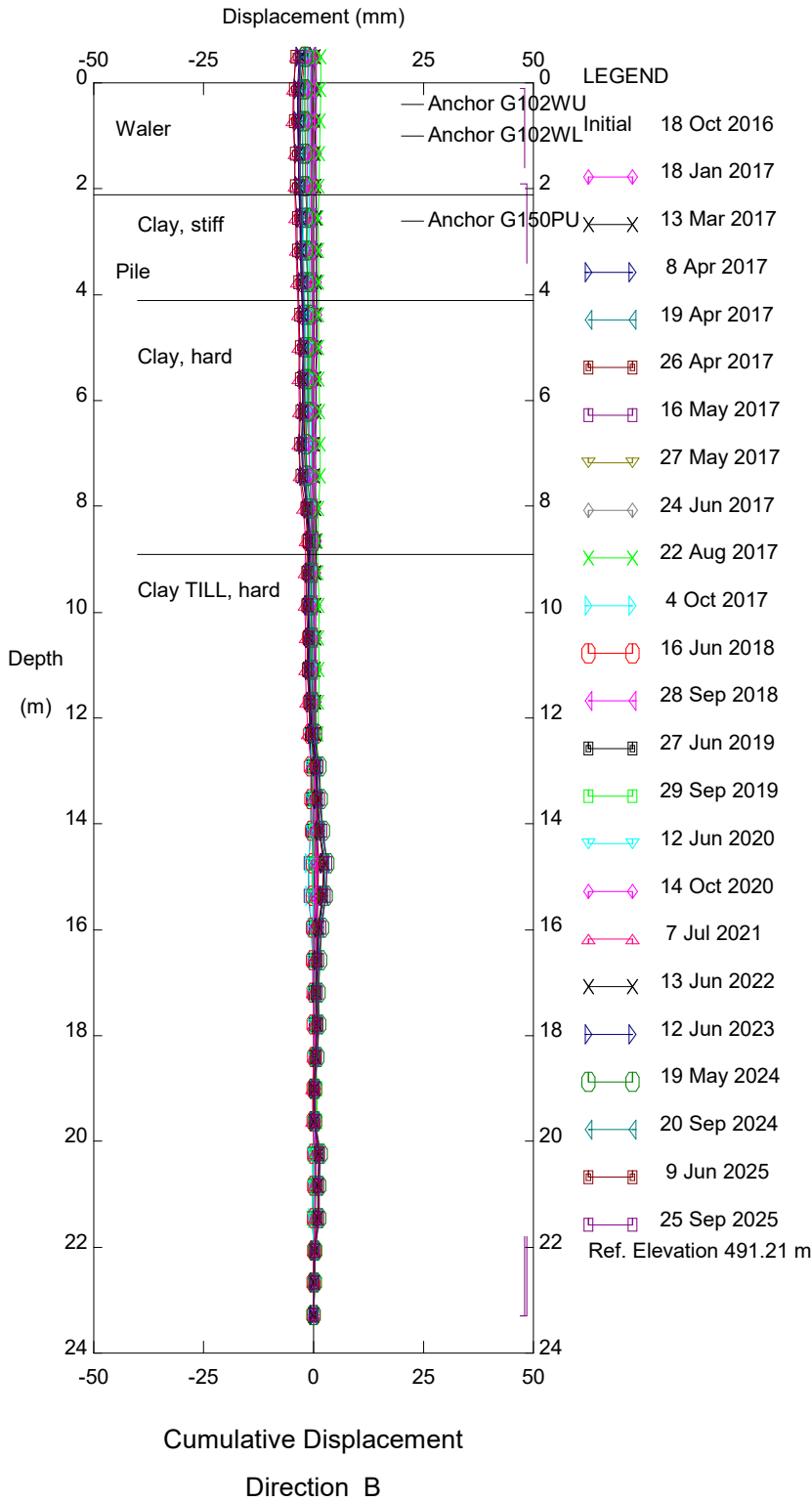
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinometer P90

Alberta Transportation

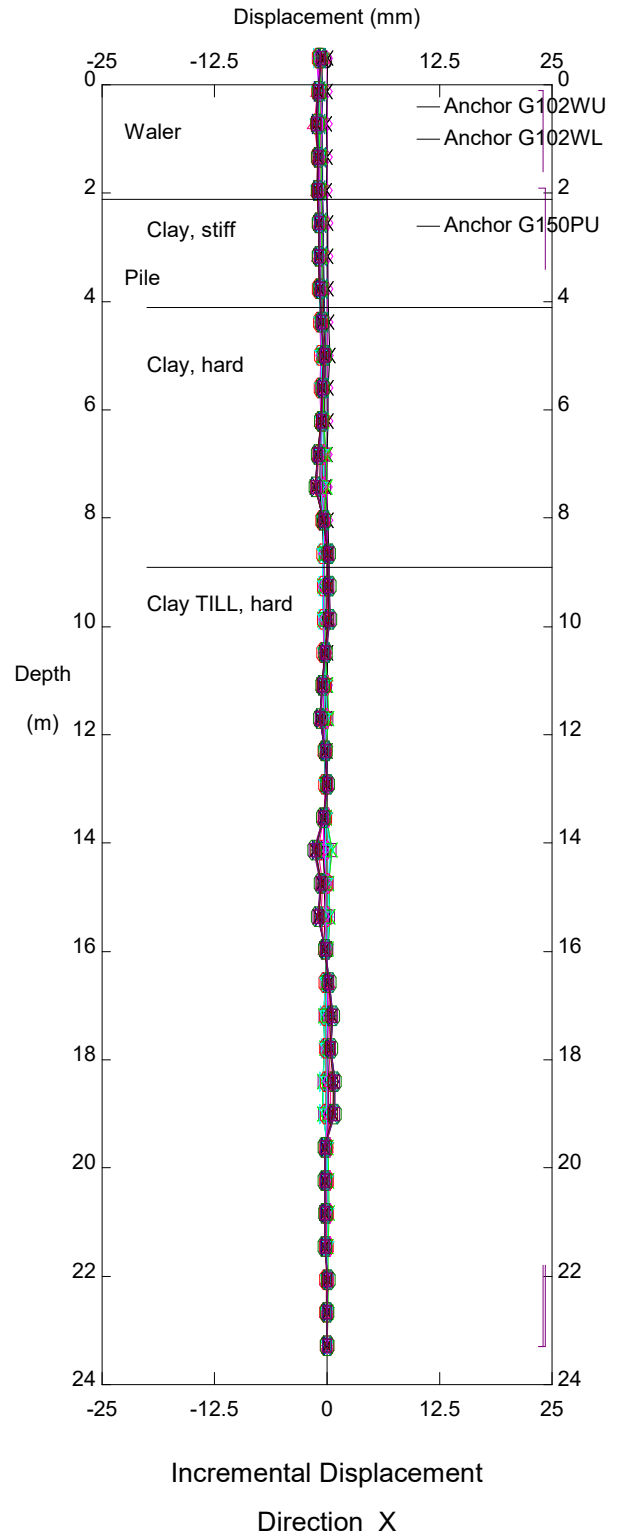
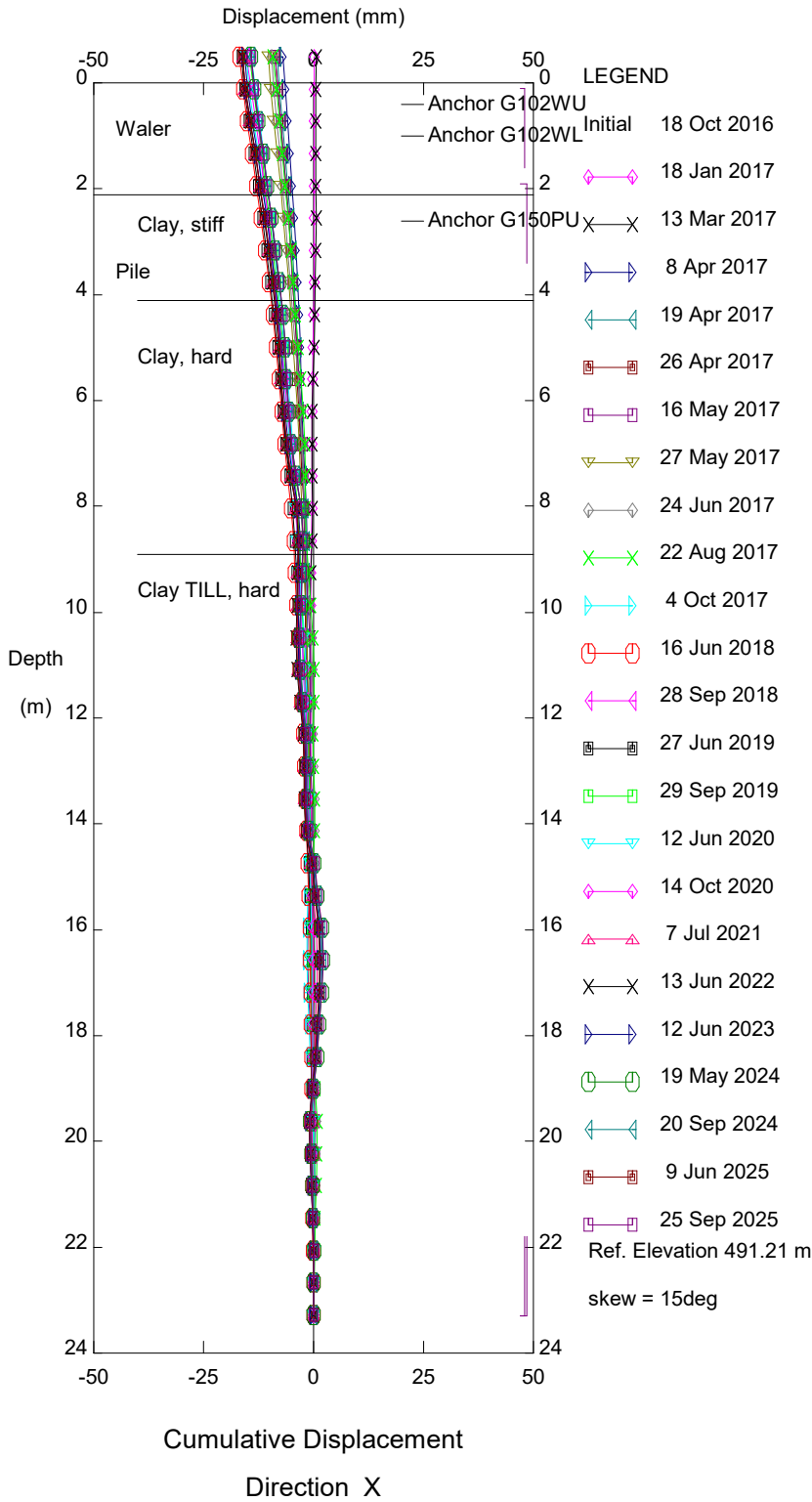
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinator P90

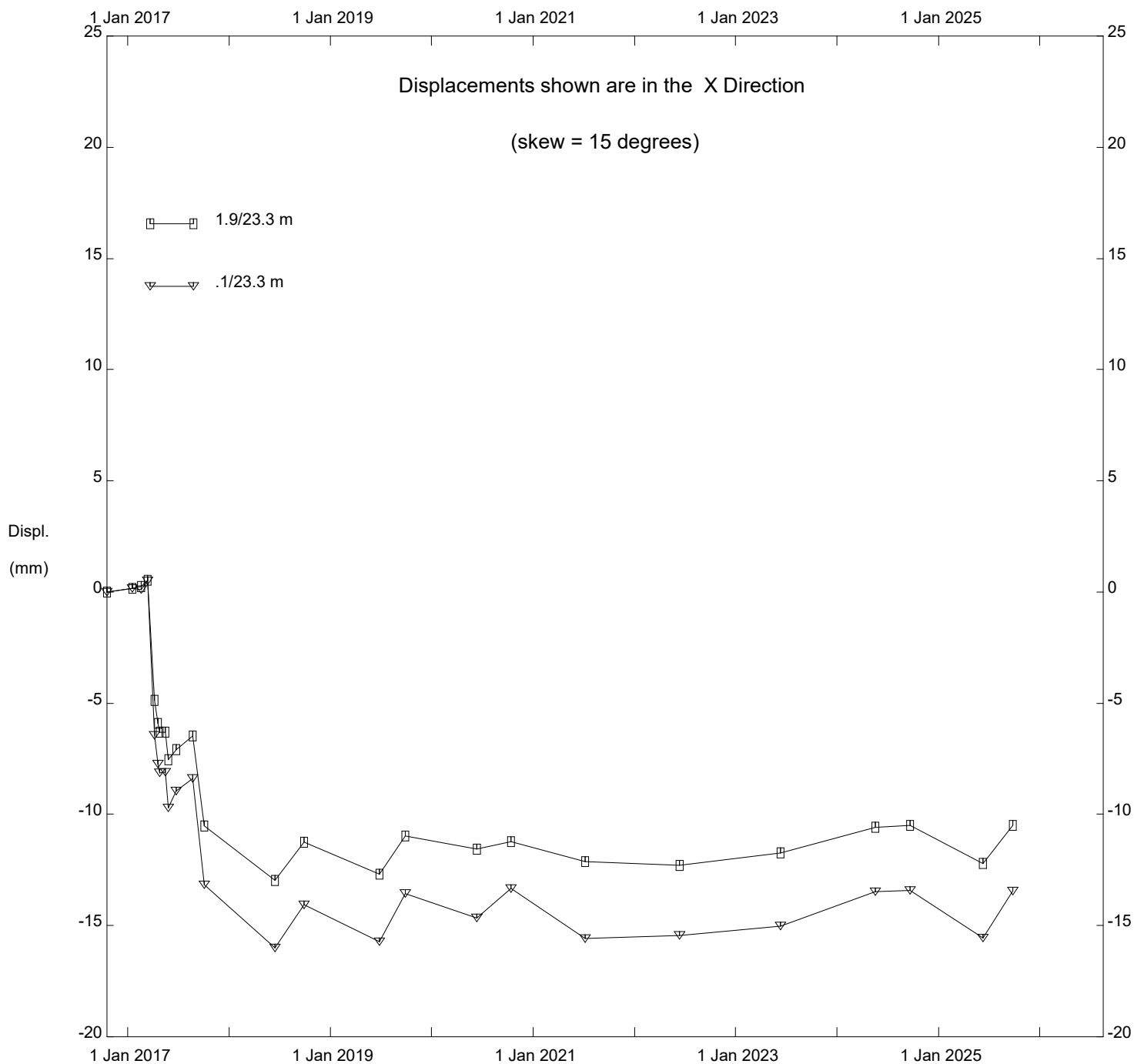
Alberta Transportation

Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinator P90

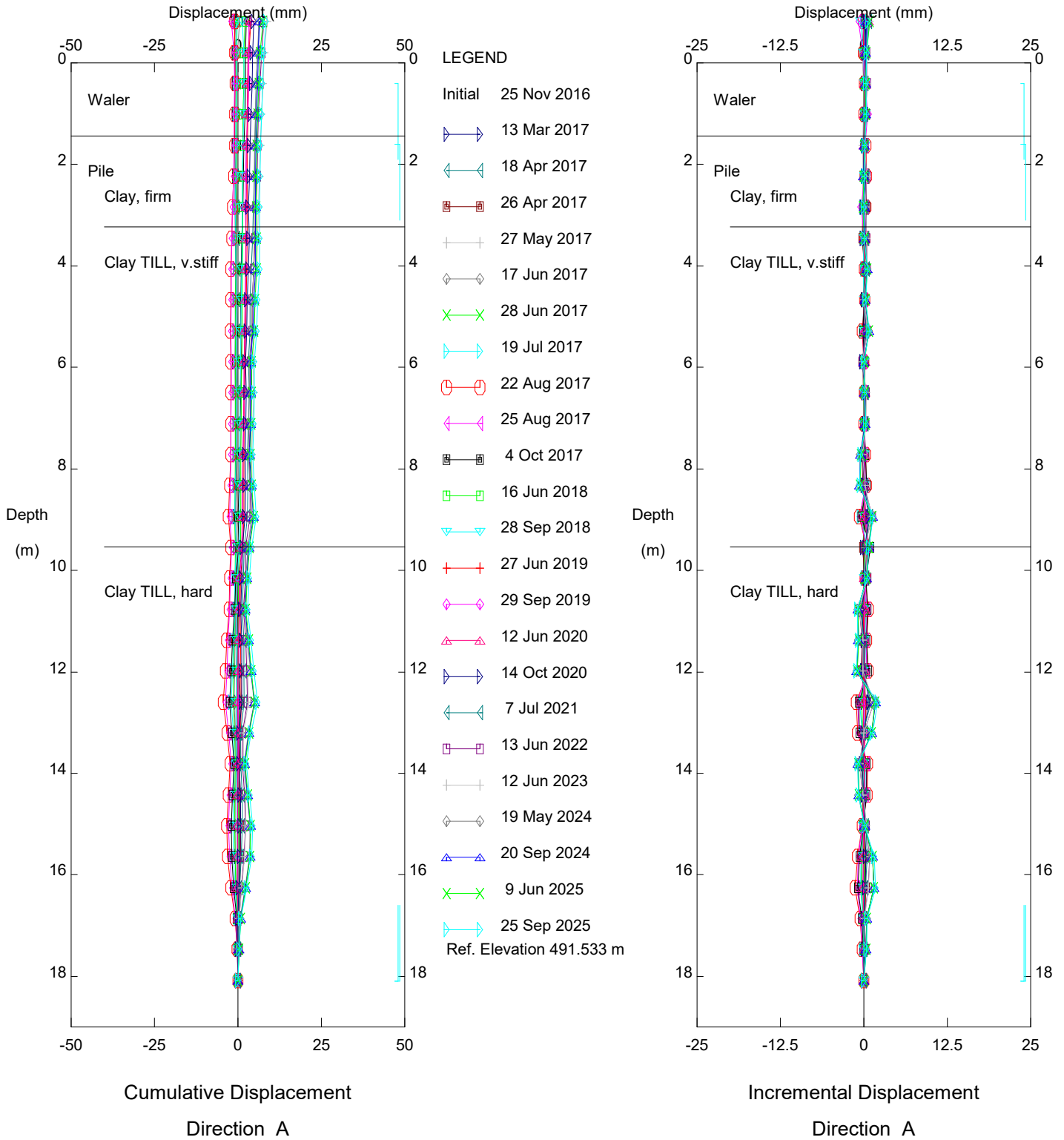
Alberta Transportation



Peace River East Hill PH070, Inclinometer P90

Alberta Transportation

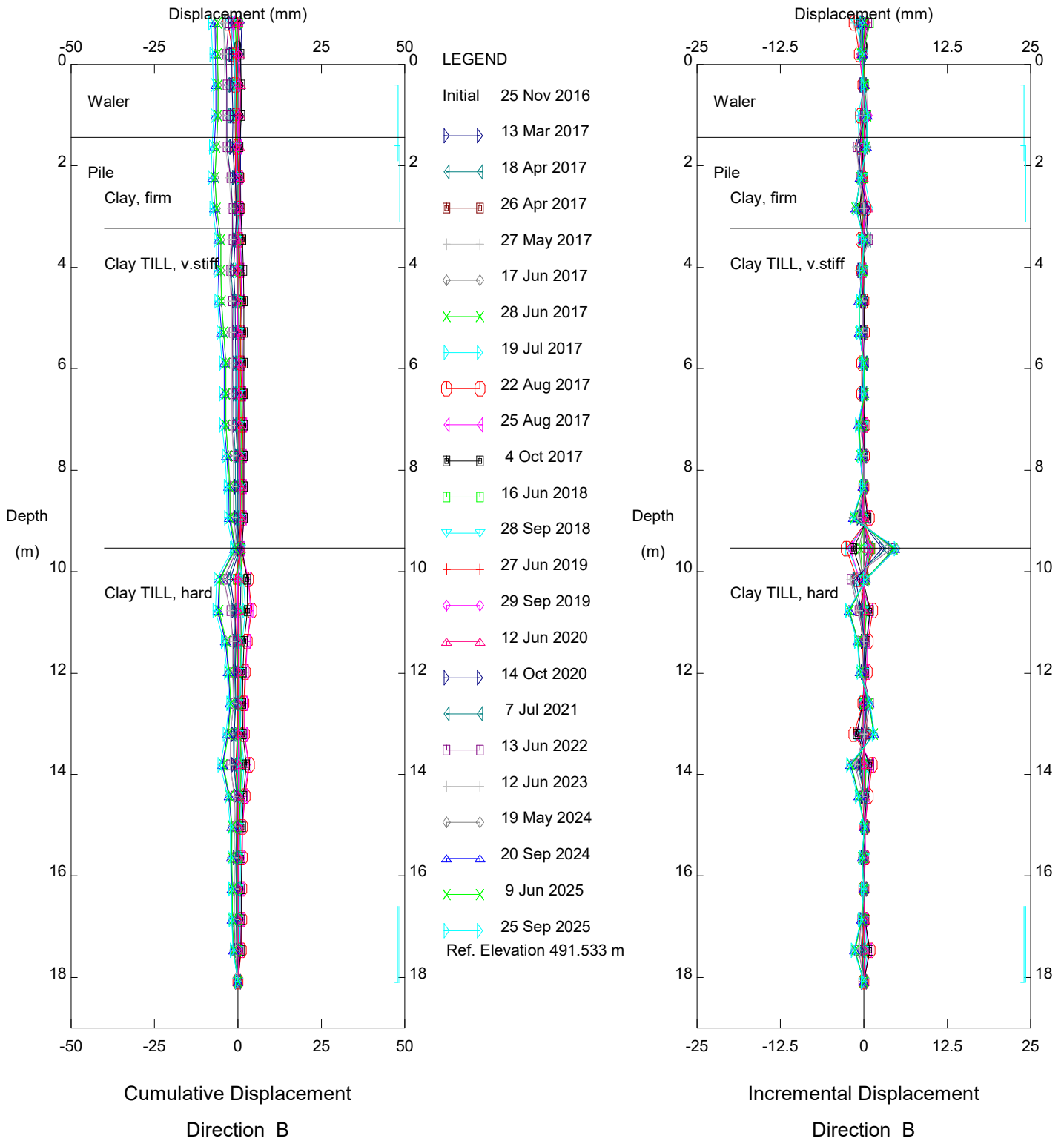
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinometer P116

Alberta Transportation

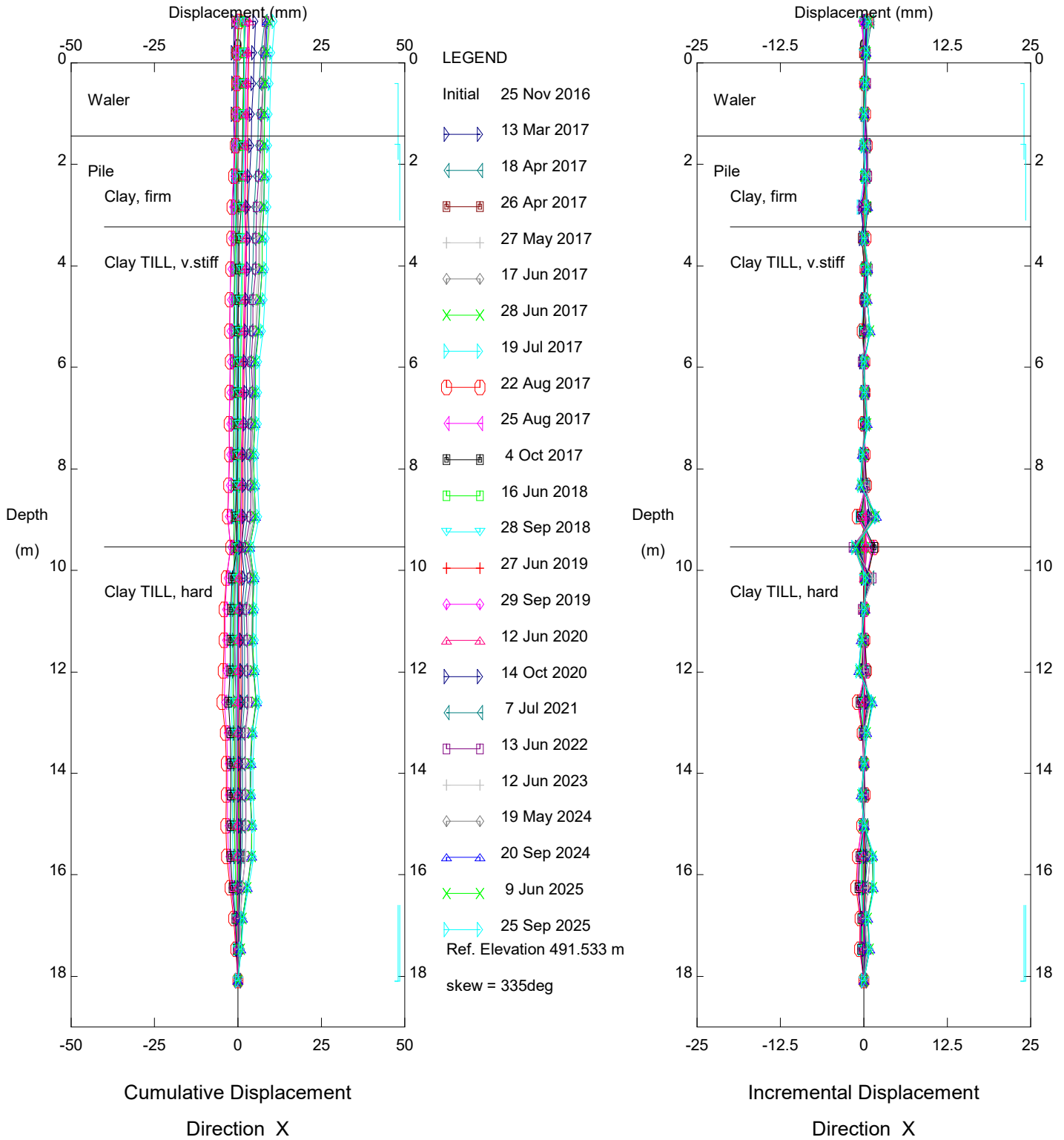
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinator P116

Alberta Transportation

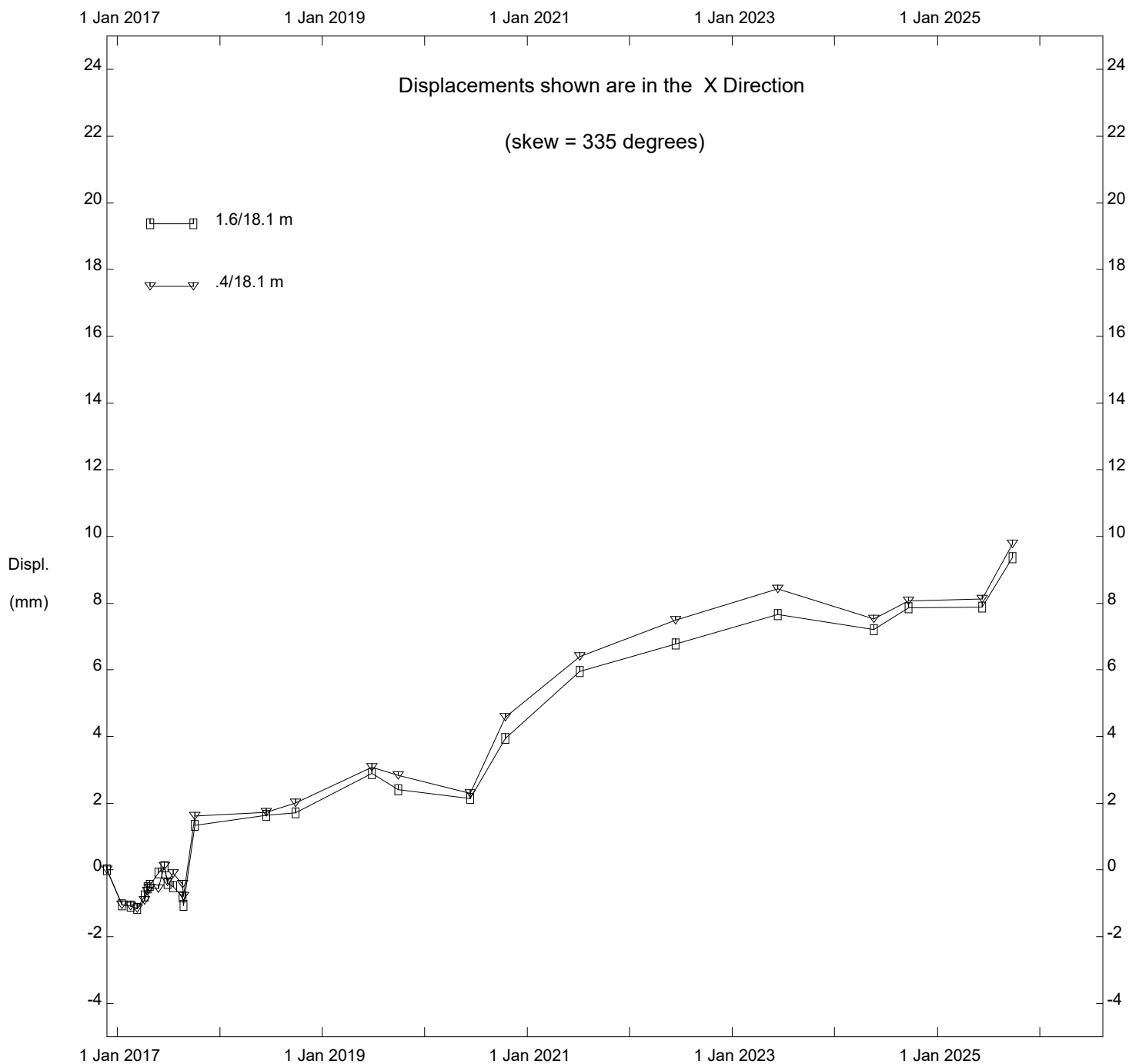
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinator P116

Alberta Transportation

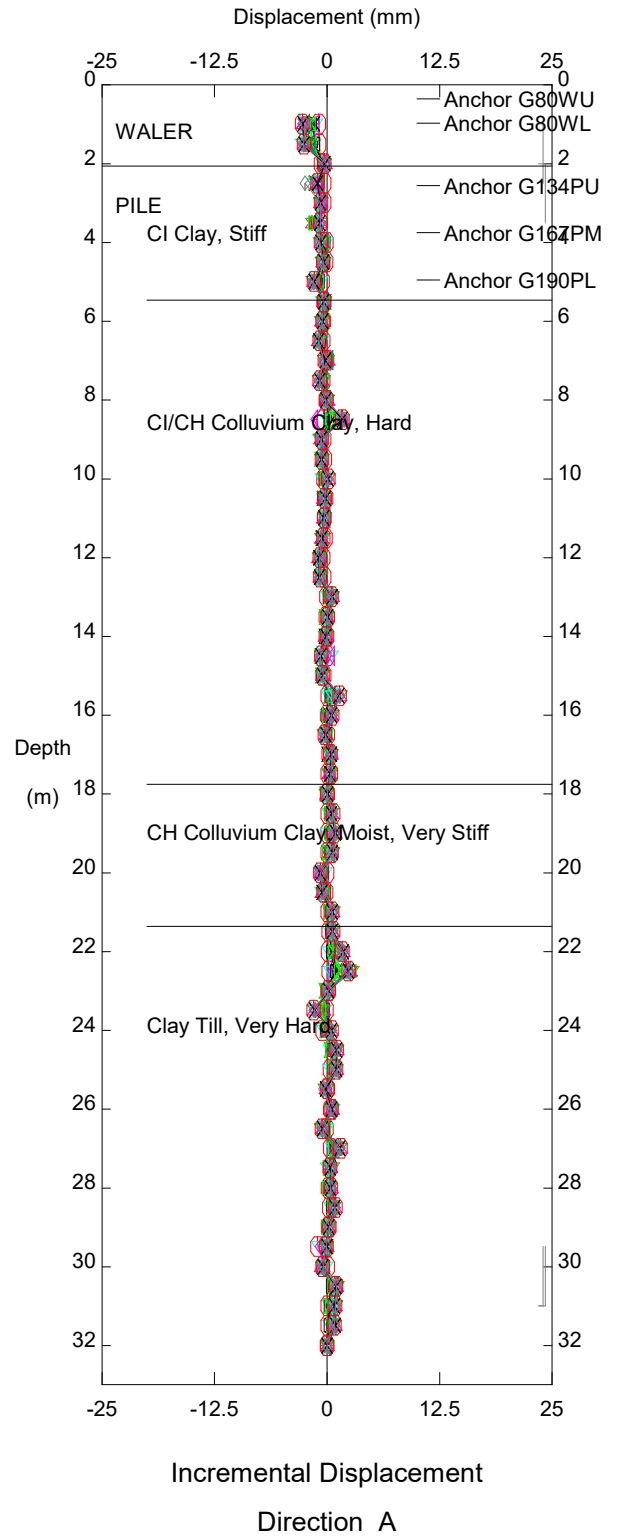
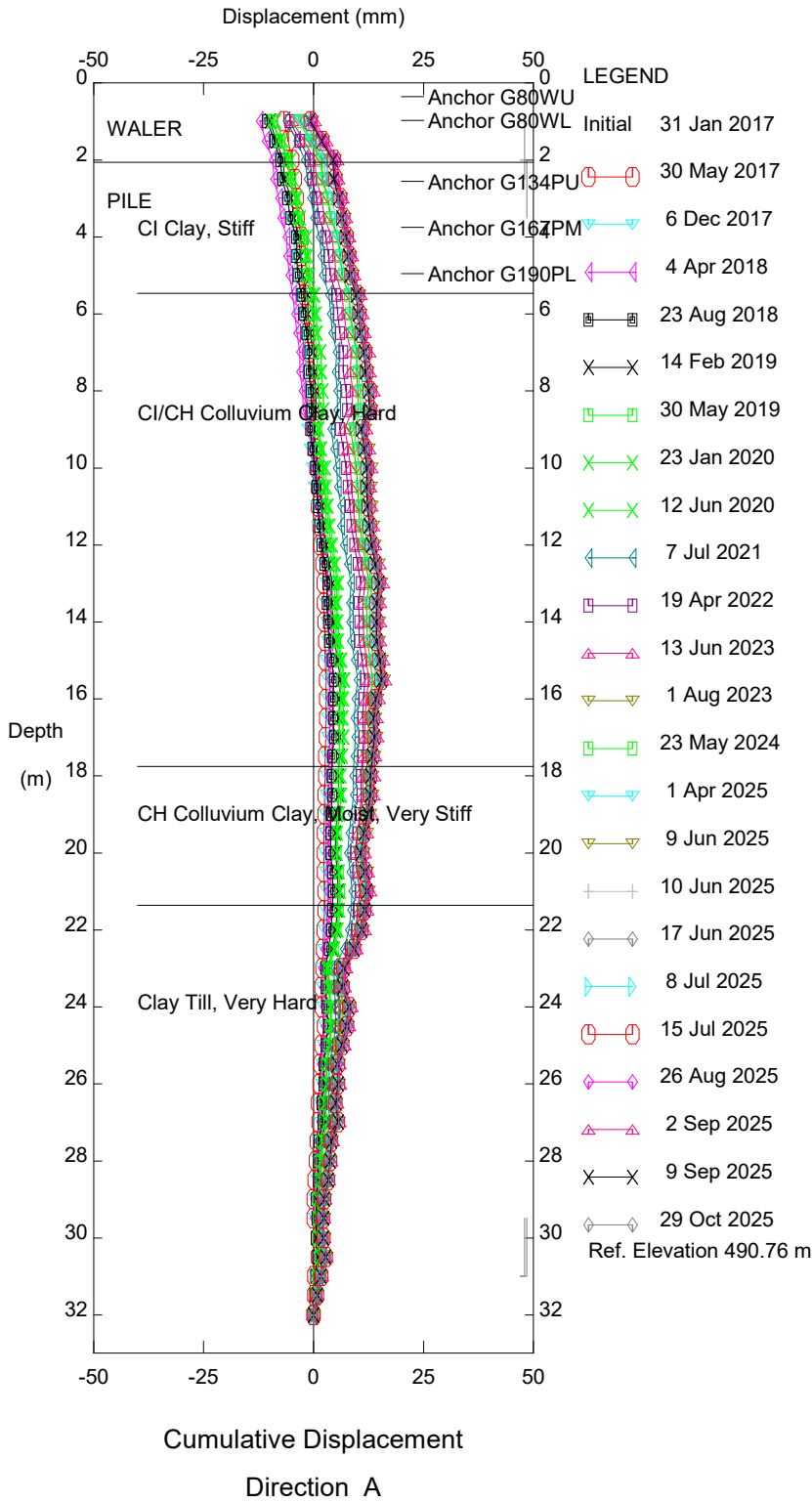
Thurber Engineering - Edmonton



Peace River East Hill PH070, Inclinator P116

Alberta Transportation

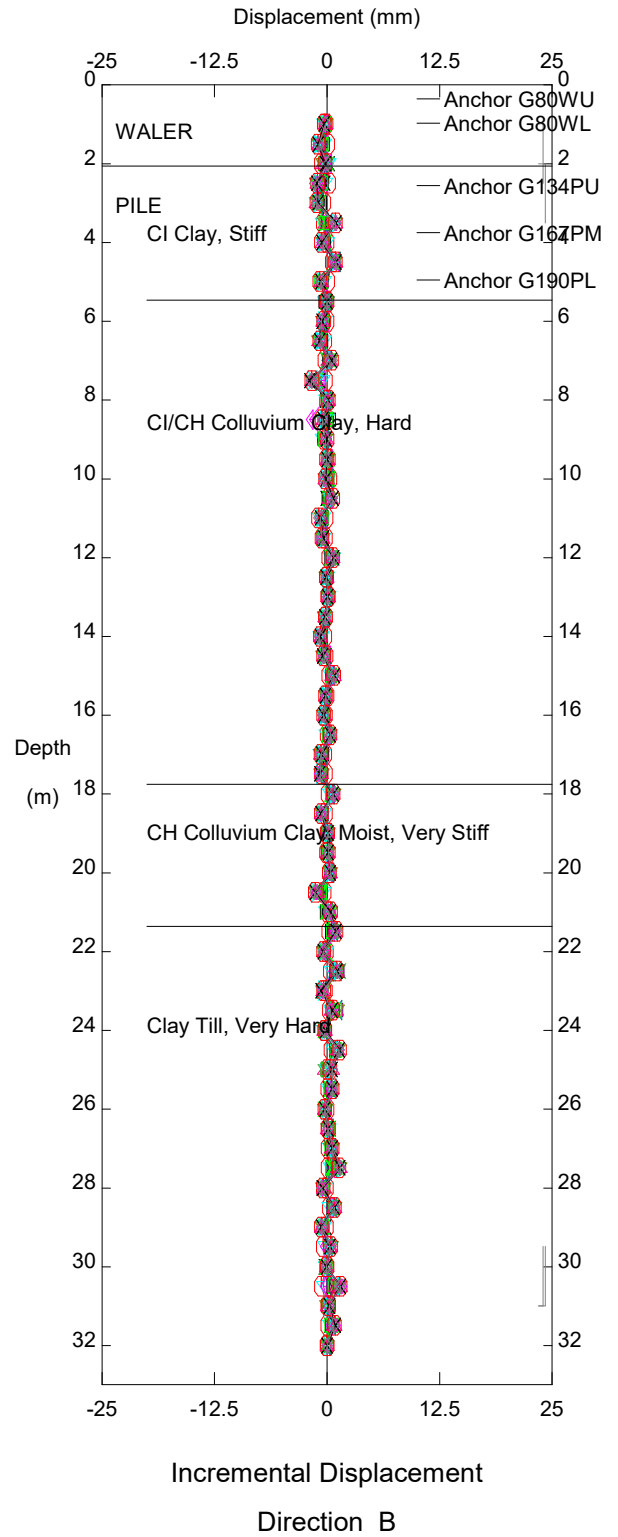
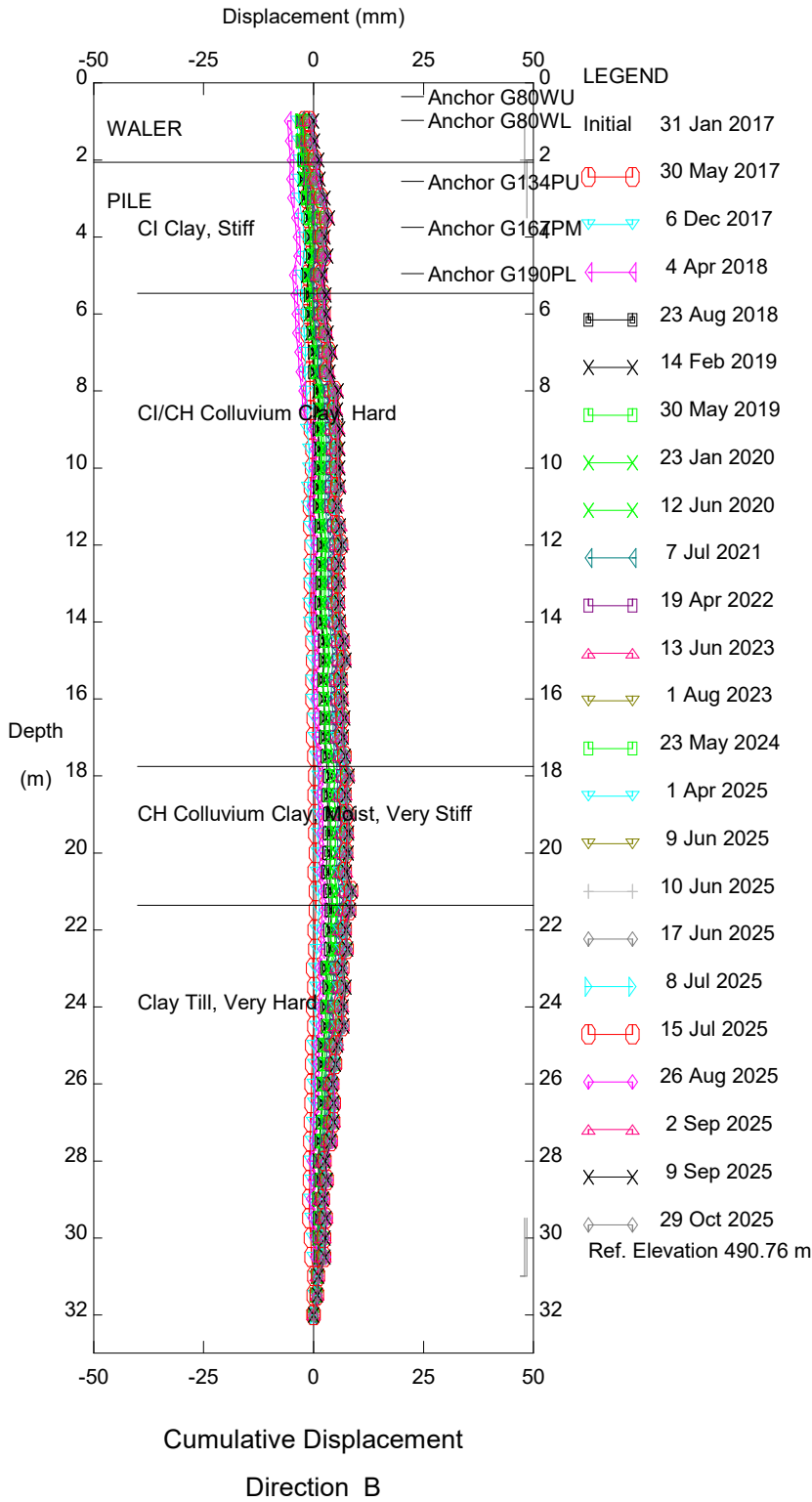
Thurber Engineering - Edmonton



PH070 Hwy 2:60 East Hill, Inclinometer SAA-P74

Alberta Transportation

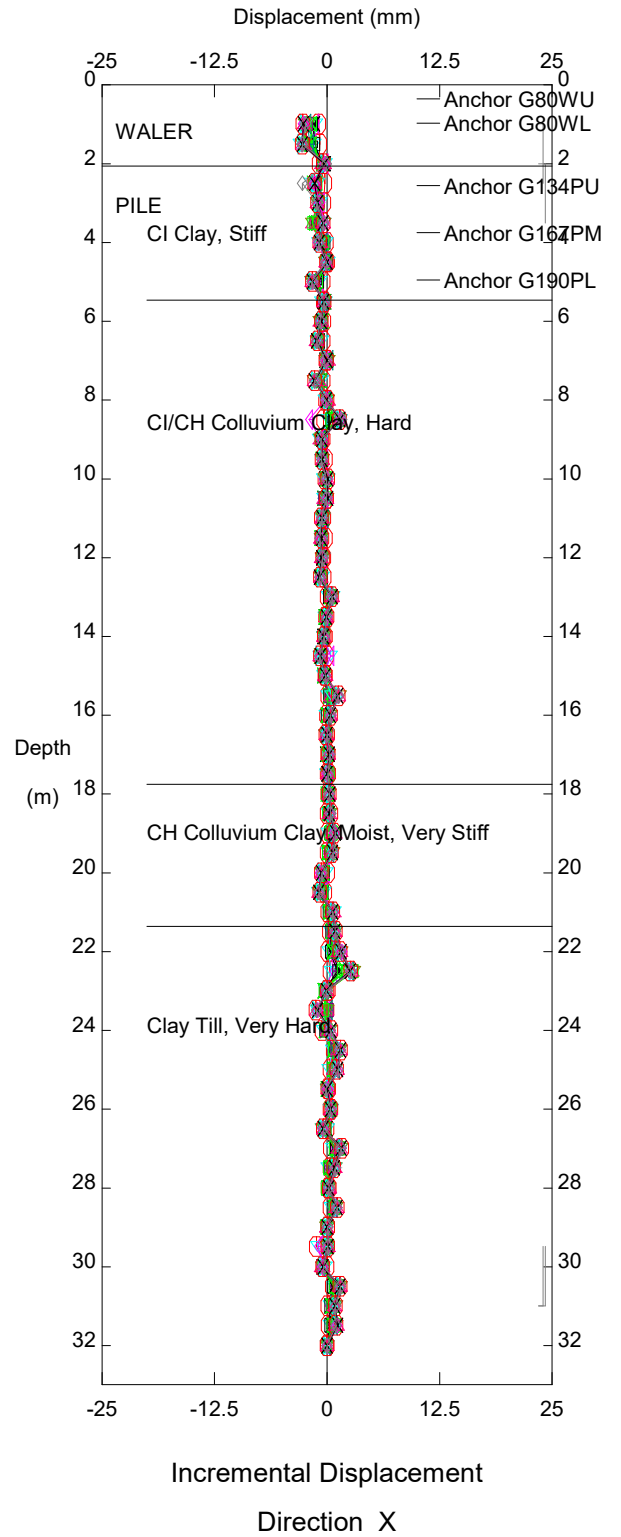
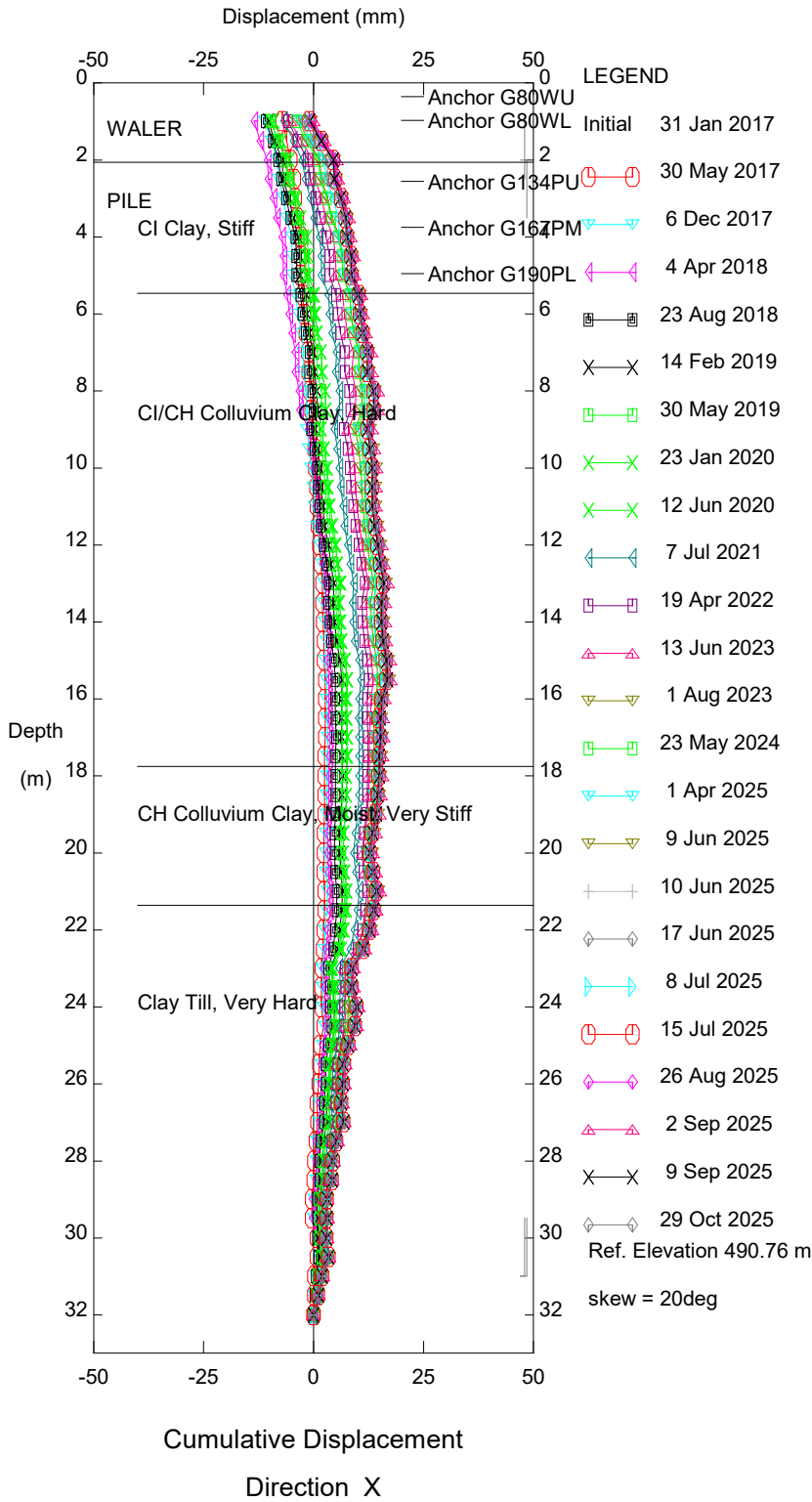
Thurber Engineering - Edmonton



PH070 Hwy 2:60 East Hill, Inclinator SAA-P74

Alberta Transportation

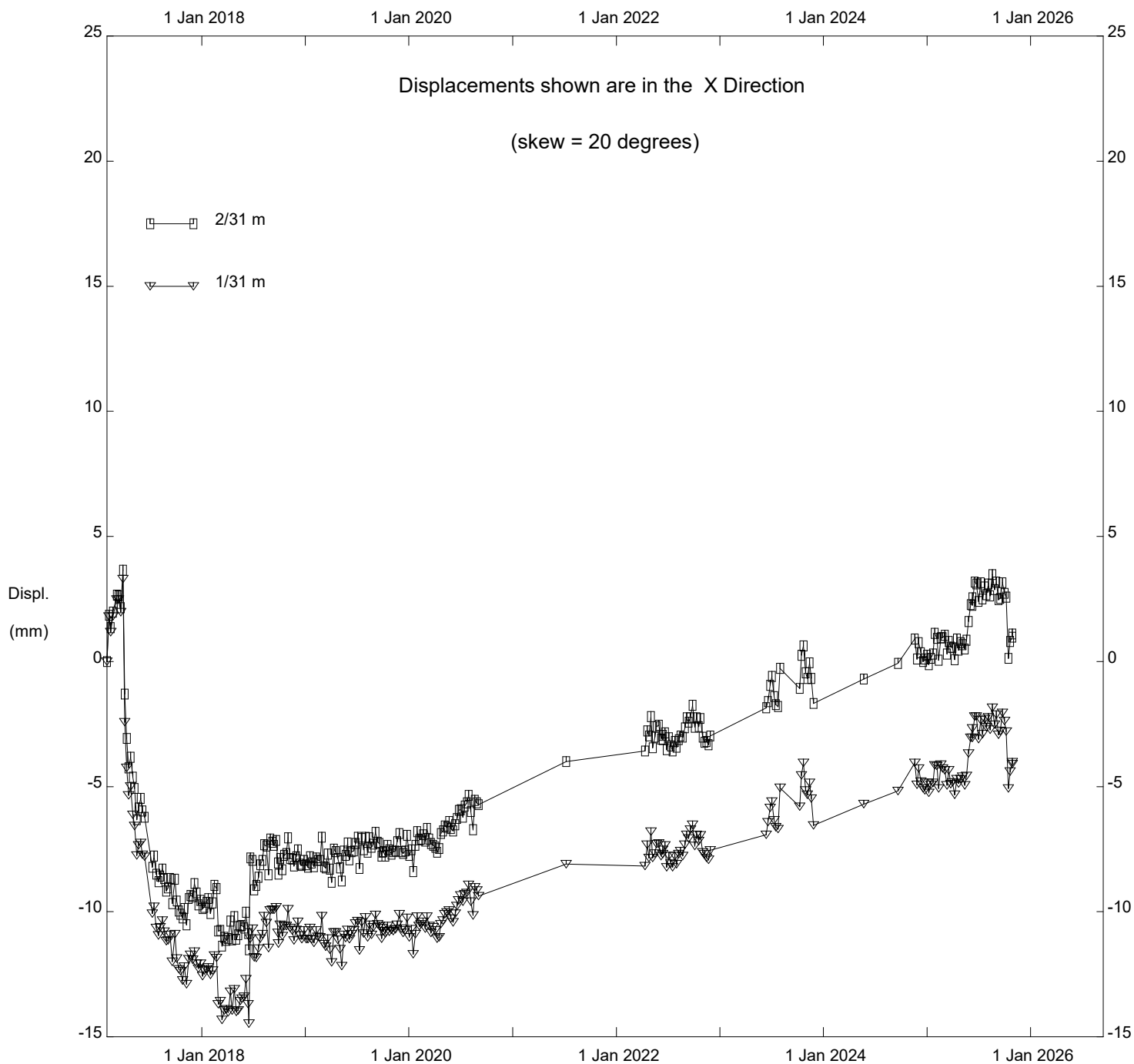
Thurber Engineering - Edmonton



PH070 Hwy 2:60 East Hill, Inclinator SAA-P74

Alberta Transportation

Thurber Engineering - Edmonton



PH070 Hwy 2:60 East Hill, Inclinometer SAA-P74

Alberta Transportation

FIGURE PH070-1
HWY 2:60 PEACE RIVER EAST HILL RETAINING WALL SITE (km 33.84)
PILE P74 DOWNSLOPE SIDE STRAIN GAUGE VALUES VS DEPTH

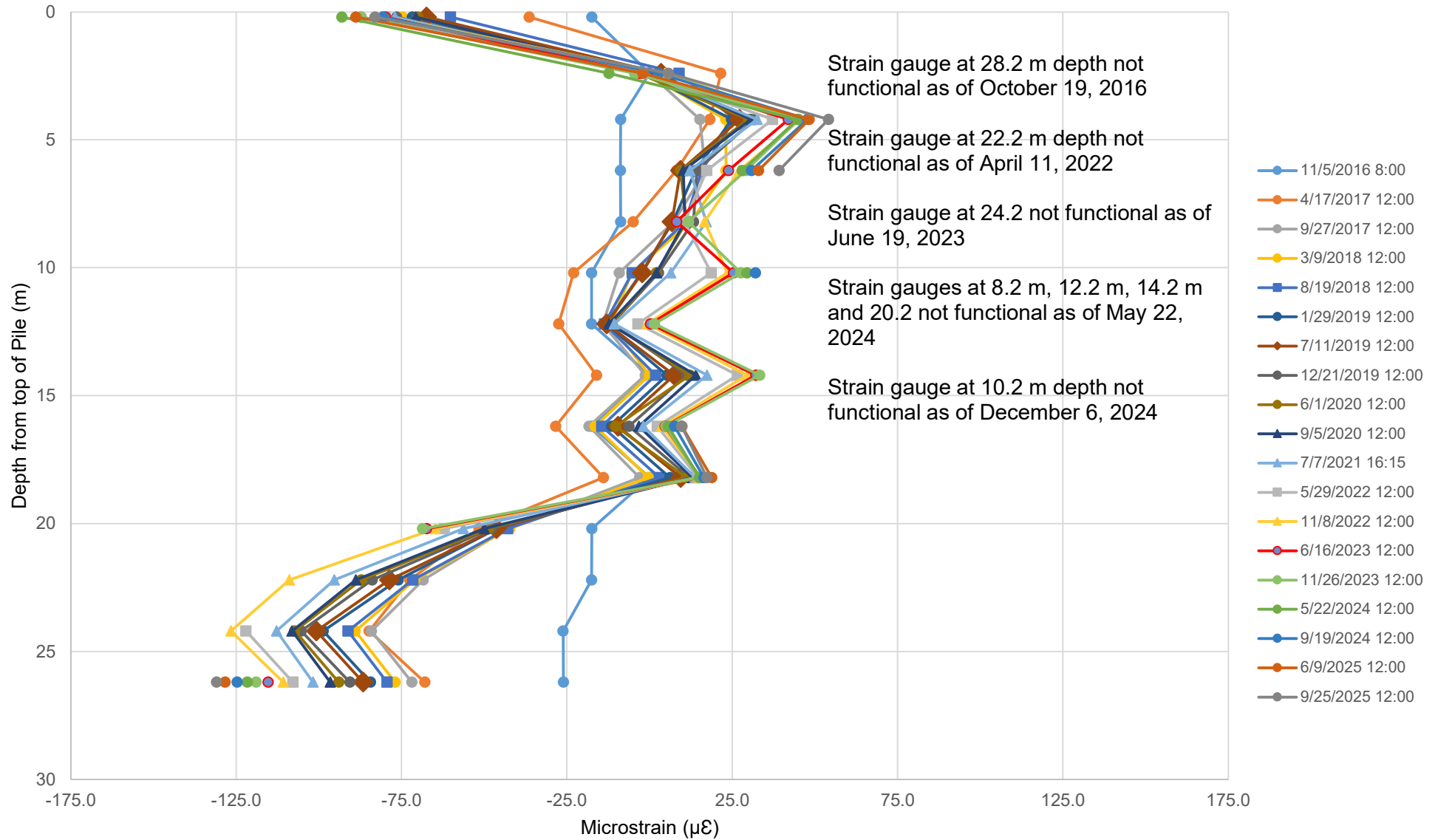


FIGURE PH070-2
HWY 2:60 PEACE RIVER EAST HILL RETAINING WALL SITE (km 33.84)
PILE P74 UPSLOPE SIDE STRAIN GAUGE VALUES VS DEPTH

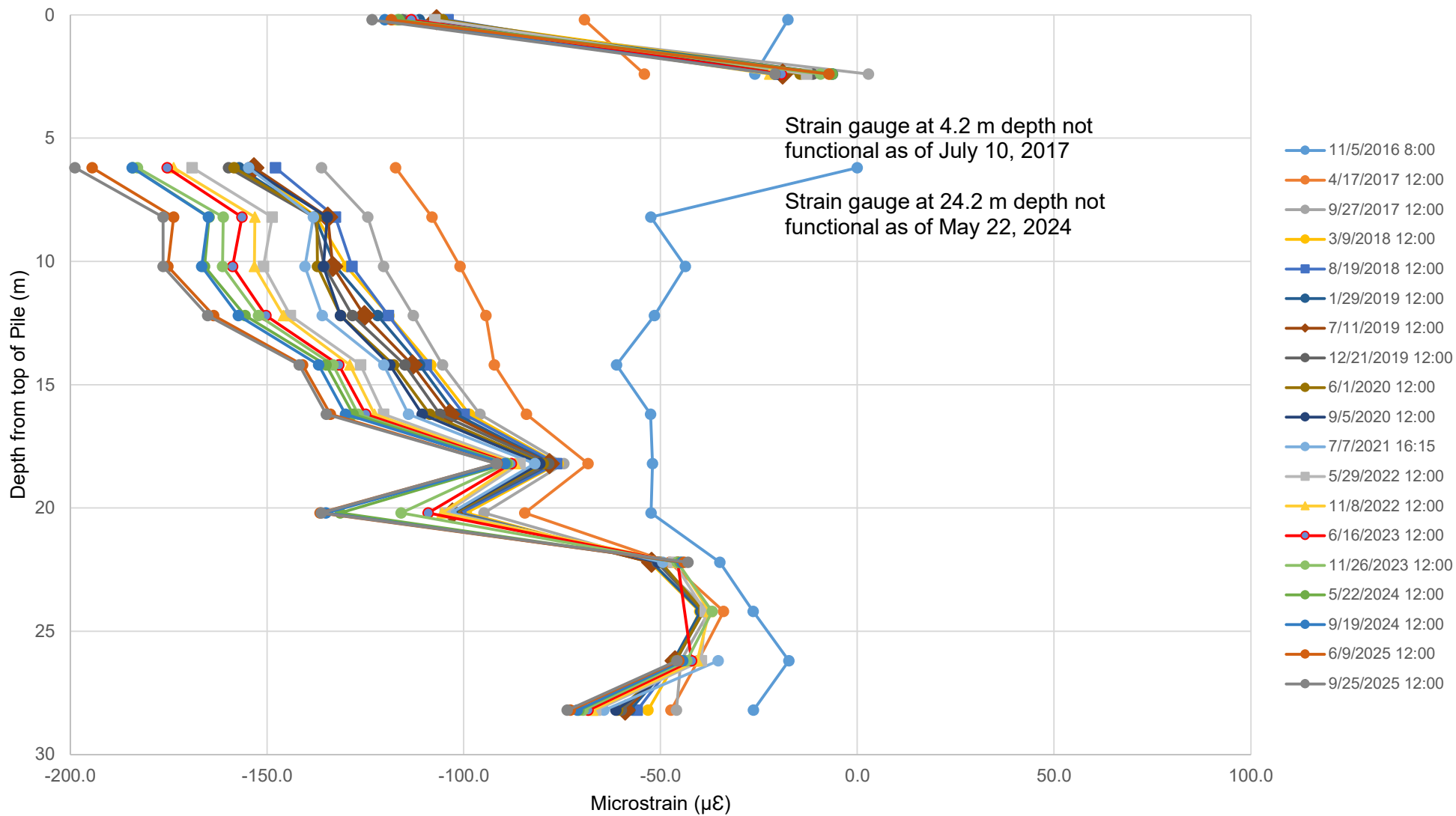


FIGURE PH070-3
HWY 2:60 PEACE RIVER EAST HILL RETAINING WALL SITE (km 33.84)
PIEZOMETRIC ELEVATIONS

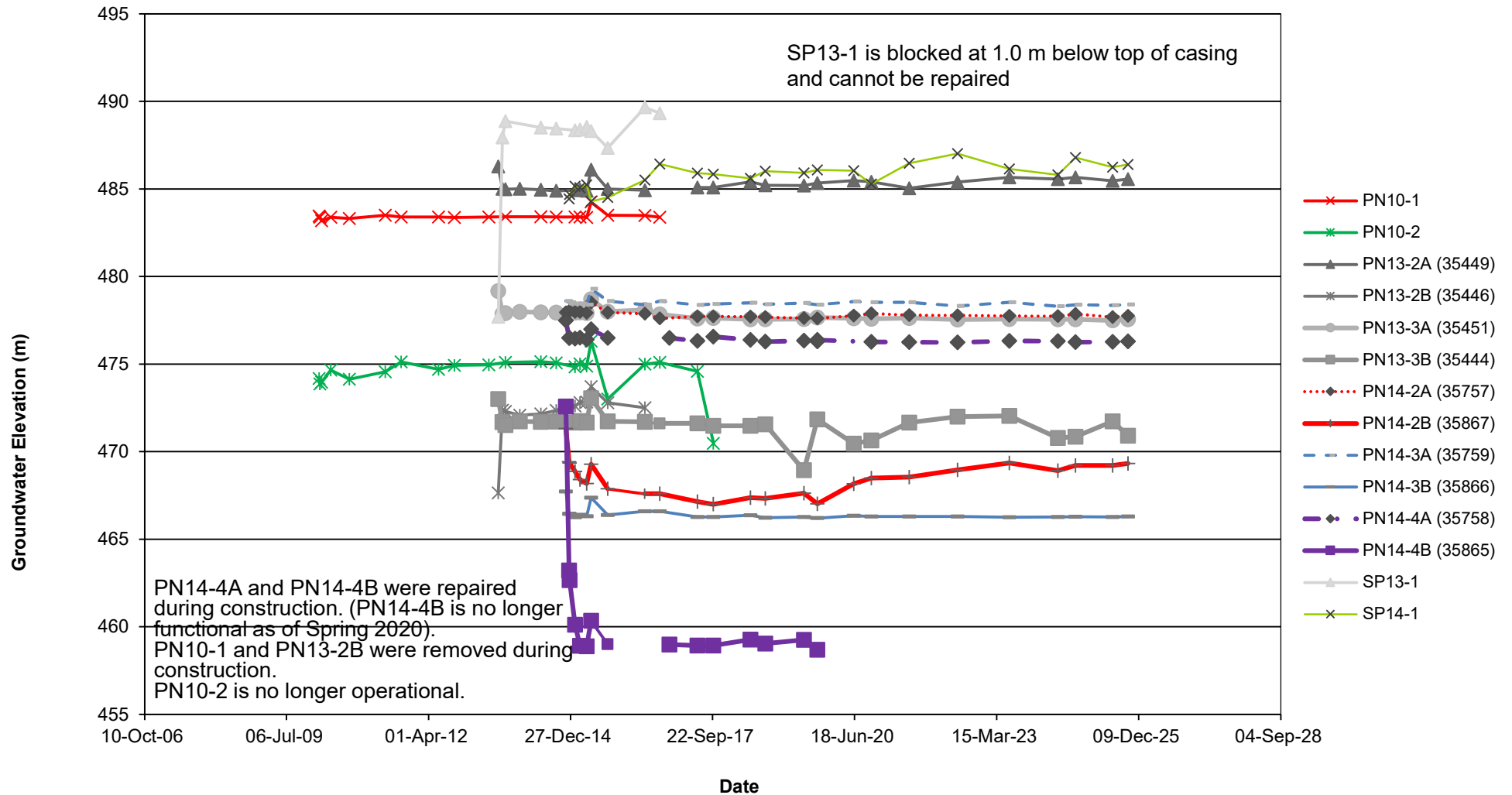


FIGURE PH070-4
HWY 2:60 PEACE RIVER EAST HILL RETAINING WALL SITE (km 33.84)
PIEZOMETRIC DEPTHS

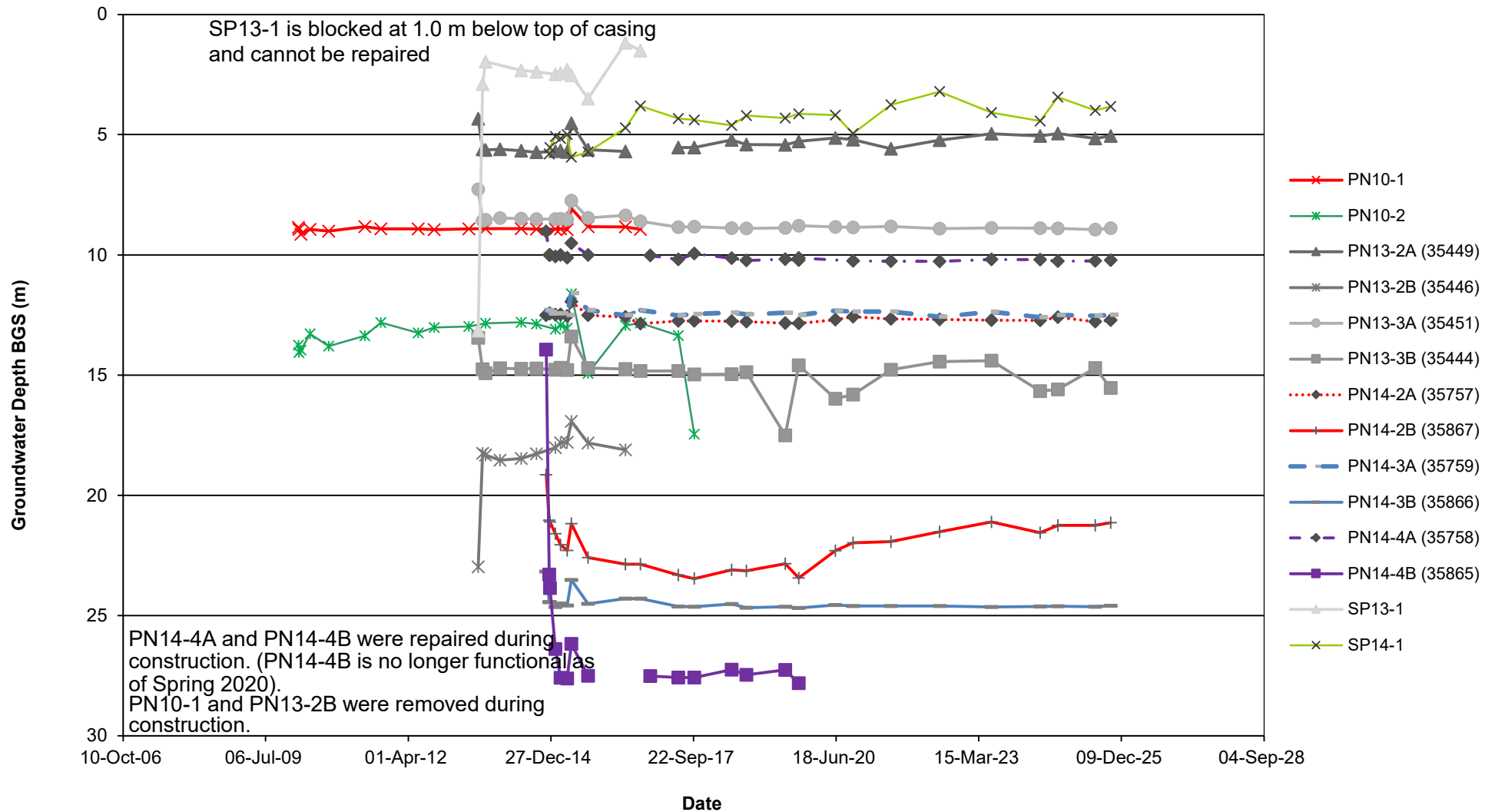


FIGURE PH070-5
HWY 2:60 PEACE RIVER EAST HILL RETAINING WALL SITE (km 33.84)
SECTION 2 LOAD CELLS

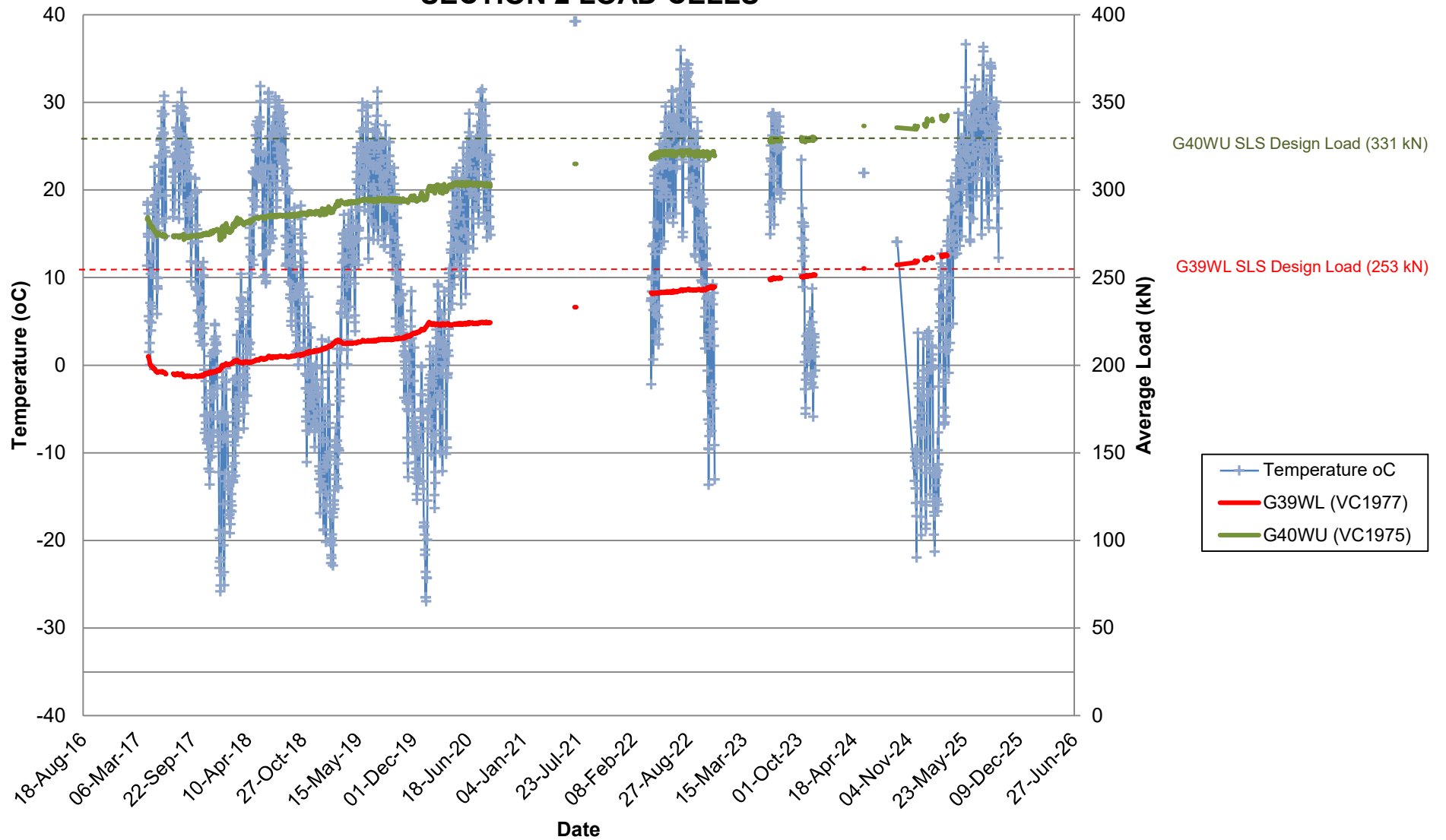


FIGURE PH070-6
HWY 2:60 PEACE RIVER EAST HILL RETAINING WALL SITE (km 33.84)
SECTION 3A LOAD CELLS

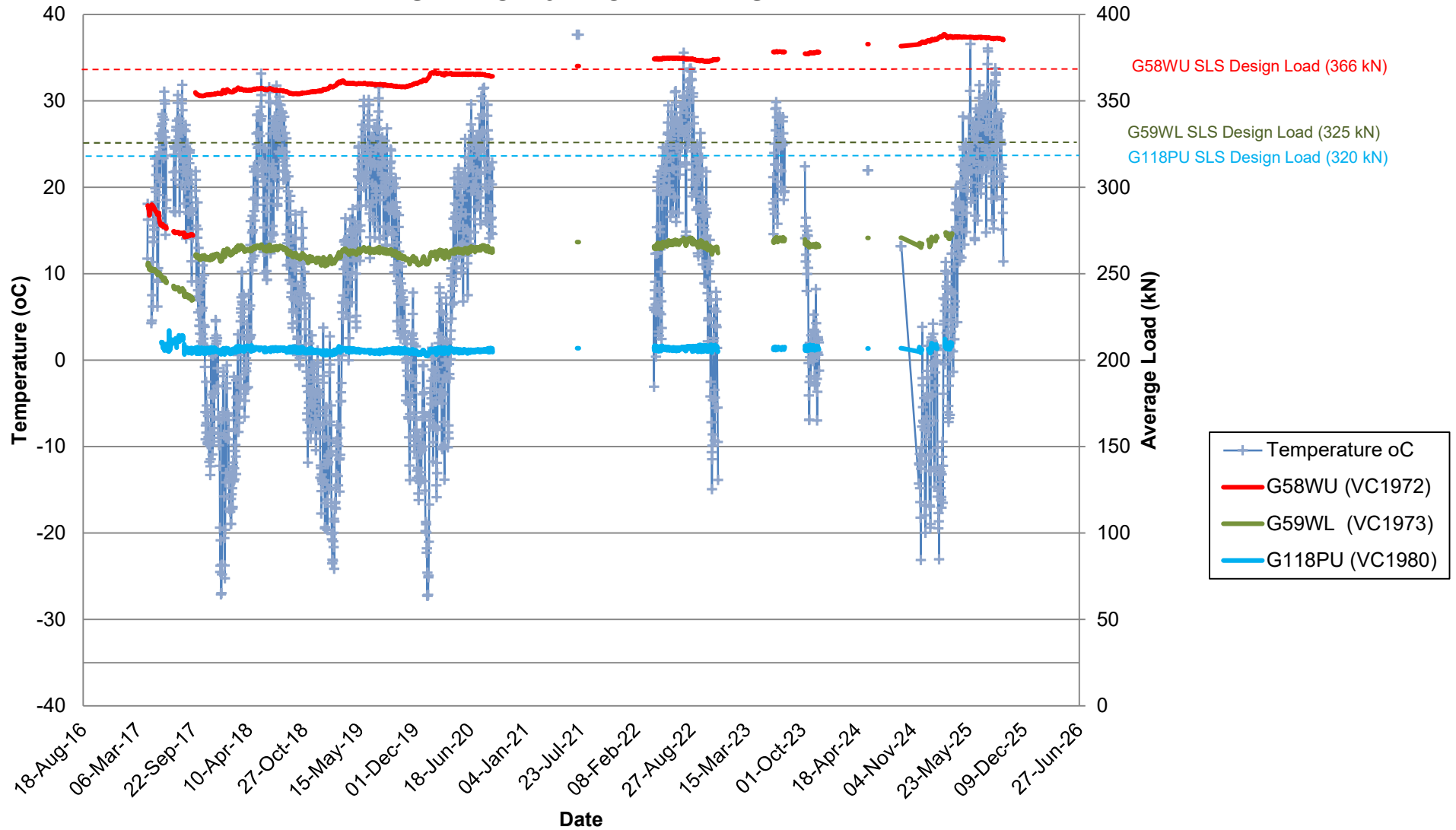


FIGURE PH070-7
HWY 2:60 PEACE RIVER EAST HILL RETAINING WALL SITE (km 33.84)
SECTION 3B LOAD CELLS

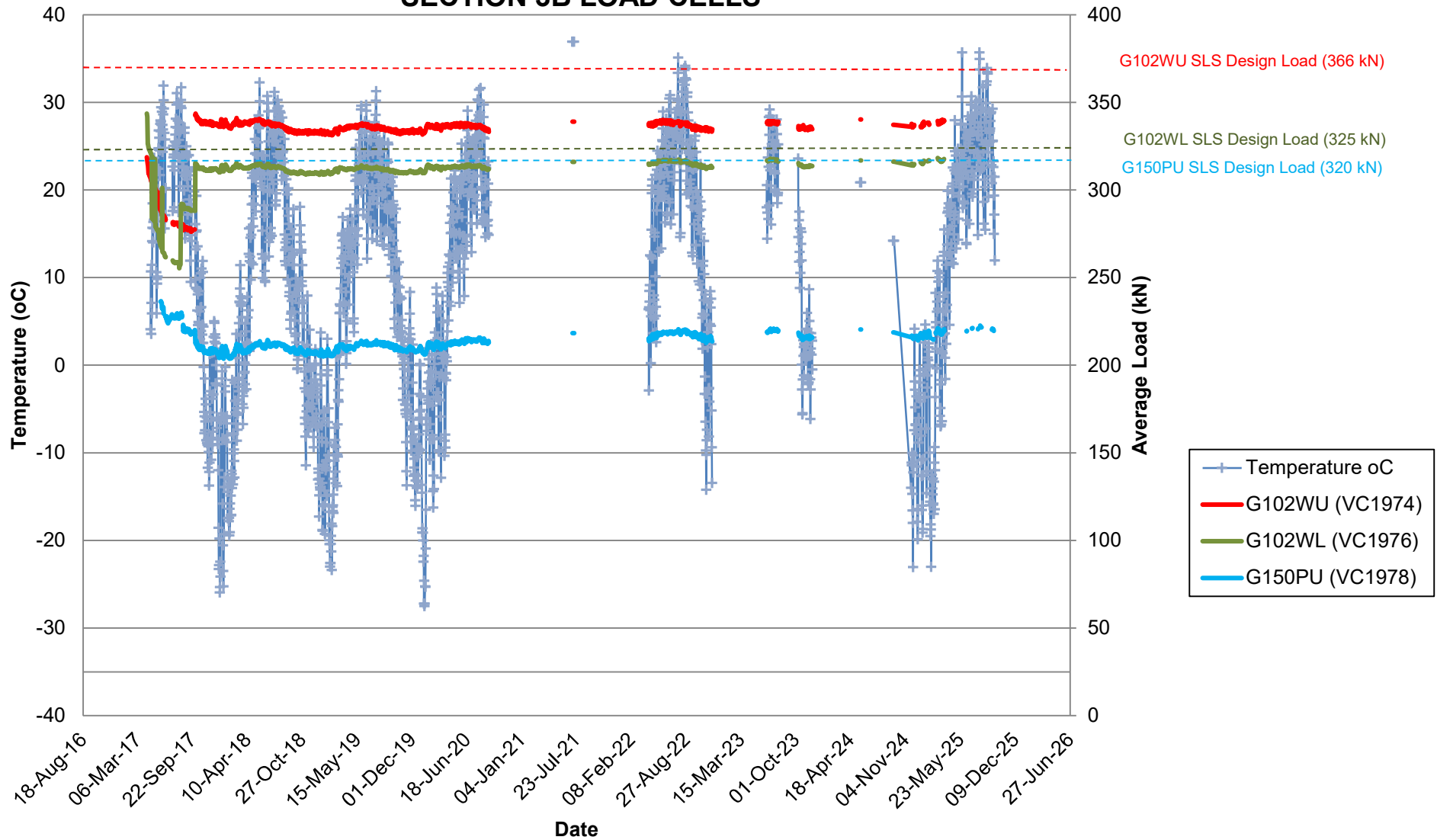


FIGURE PH070-8
HWY 2:60 PEACE RIVER EAST HILL RETAINING WALL SITE (km 33.84)
SECTION 4 LOAD CELLS

