APPENDIX A. DATA PLOTS FROM PIEZOMETER TESTS

This appendix contains data plots from both the variable head and constant head piezometer tests performed in W1, W2, and W3. For the variable head tests, \(-\ln(H_t/H_0)\) is plotted versus time. For the constant head tests, the cumulative flow volume is plotted versus time.

Figures A-1 through A-17 are for W1, Figures A-18 through A-29 are for W2, and Figures A-30 through A-37 are for W3. The variable head plots for L2D2 in W1 are in Figure 6-3 in Chapter 6, and are not included in this appendix.
Figure A-1. Variable head piezometer test results, L1D1, W1
Figure A-2. Constant head piezometer test results, L1D1, W1
Figure A-3. Variable head piezometer test results, L1D2, W1
Figure A-4. Constant head piezometer test results, L1D2, W1
Figure A-5. Variable head piezometer test results, L1D3, W1
Figure A-6. Variable head piezometer test results, L1D4, W1.
Figure A-7. Constant head piezometer test results, L1D4, W1
Figure A-8. Variable head piezometer test results, L2D1, W1
Figure A-9. Constant head piezometer test results, L2D1, W1
Figure A-10. Variable head piezometer test results, L2D3, W1
Figure A-11. Constant head piezometer test results, L2D3, W1
Figure A-12. Variable head piezometer test results, L3D1, W1
Figure A-13. Constant head piezometer test results, L3D1, W1
Figure A-14. Variable head piezometer test results, L3D2, W1
Figure A-15. Constant head piezometer test results, L3D2, W1
Figure A-16. Variable head piezometer test results, L3D3, W1
Figure A-17. Constant head piezometer test results, L3D3, W1
Figure A-18. Variable head piezometer test results, L1D1, W2
Figure A-19. Constant head piezometer test results, L1D1, W2
Figure A-20. Variable head piezometer test results, L1D2, W2
Figure A-21. Constant head piezometer test results, L1D2, W2
Figure A-22. Variable head piezometer test results, L1D3, W2
Figure A-23. Constant head piezometer test results, L1D3, W2
Figure A-24. Variable head piezometer test results, L2D3, W2
Figure A-25. Constant head piezometer test results, L2D3, W2
Figure A-26. Variable head piezometer test results, L3D1, W2
Figure A-27. Constant head piezometer test results, L3D1, W2
Figure A-28. Variable head piezometer test results, L3D2, W2
Figure A-29. Constant head piezometer test results, L3D2, W2
Figure A-30. Variable head piezometer test results, L1D1, W3

The graph shows the relationship between time (in seconds) and the natural logarithm of the head ratio (-ln(Ht/H0)) for two different types of tests:

- **T1 - Rising head**: Represented by triangles (△).
- **T2 - Falling head**: Represented by circles (●).

The data points indicate a downward trend as time increases, typical of a falling head test, suggesting a decrease in head pressure over time.
Figure A-31. Constant head piezometer test results, L1D1, W3
Figure A-32. Variable head piezometer test results, L1D2, W3

- In($H_t / H_0$)

T1 - Rising head
T2 - Rising head
T3 - Falling head

Heavy rain disturbed test after this point
Figure A-33. Constant head piezometer test results, L1D2, W3
Figure A-34. Variable head piezometer test results, L2D1, W3

- T1 - Rising head
- T2 - Rising head
- T3 - Falling head
Figure A-35. Constant head piezometer test results, L2D1, W3
Figure A-36. Variable head piezometer test results, L2D2, W3

- $-\ln\left(\frac{H_t}{H_0}\right)$

- $T_1$ - Rising head
- $T_2$ - Falling head
- $T_3$ - Rising head
- $T_4$ - Falling head
Figure A-37. Constant head piezometer test results, L2D2, W3