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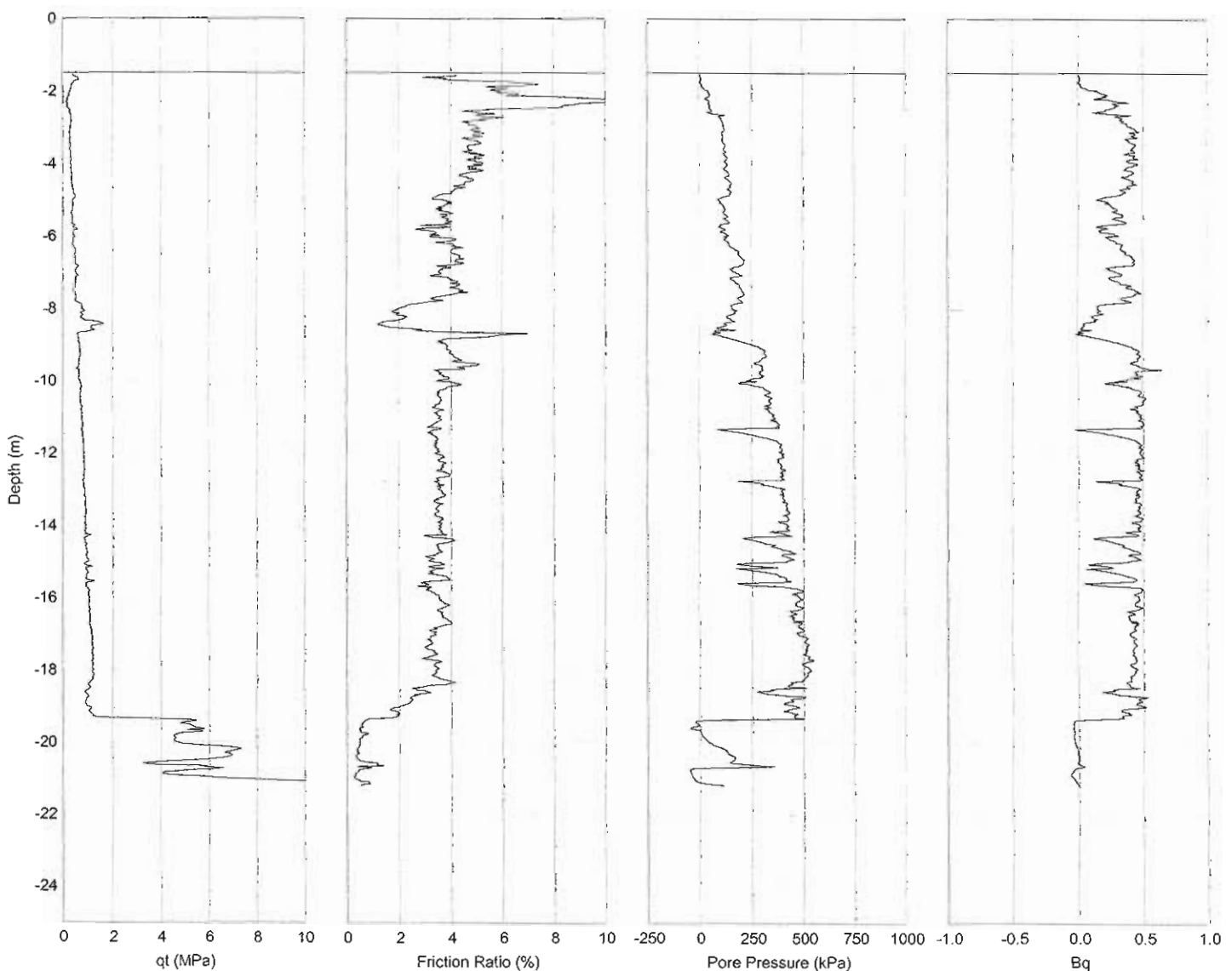
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## REPORT ON CONE PENETROMETER TEST

Client **MAIN ROADS - GATEWAY UPGRADE PROJECT TEAM**  
Project **GATEWAY UPGRADE**  
Job Ref.  
Location **E 9578.51 N 172719.00 SET DATUM**  
Chainage  
Sounding **CPTU127D**  
Test Date **15/06/2004**  
Remarks **Dissipation Tests @ 3.0, 7.0 & 10.0m**

Project No. **FM2055**  
Surface RL **1.710**  
Water Table **1.500**  
Start Depth **1.500**  
Refusal **21.200**



|           |                                                                                     |             |                       |
|-----------|-------------------------------------------------------------------------------------|-------------|-----------------------|
| Date      | 7/07/2004                                                                           | Cone Type   | Piezocone             |
| Checked   |  | Cone ID     | 3167                  |
| Signatory |  | Factor "a"  | 0.580                 |
|           |                                                                                     | Factor "b"  | 0.014                 |
|           |                                                                                     | Test Method | Q151A                 |
|           |                                                                                     | Report No.  | FM2055/CPTU127D/Q151A |



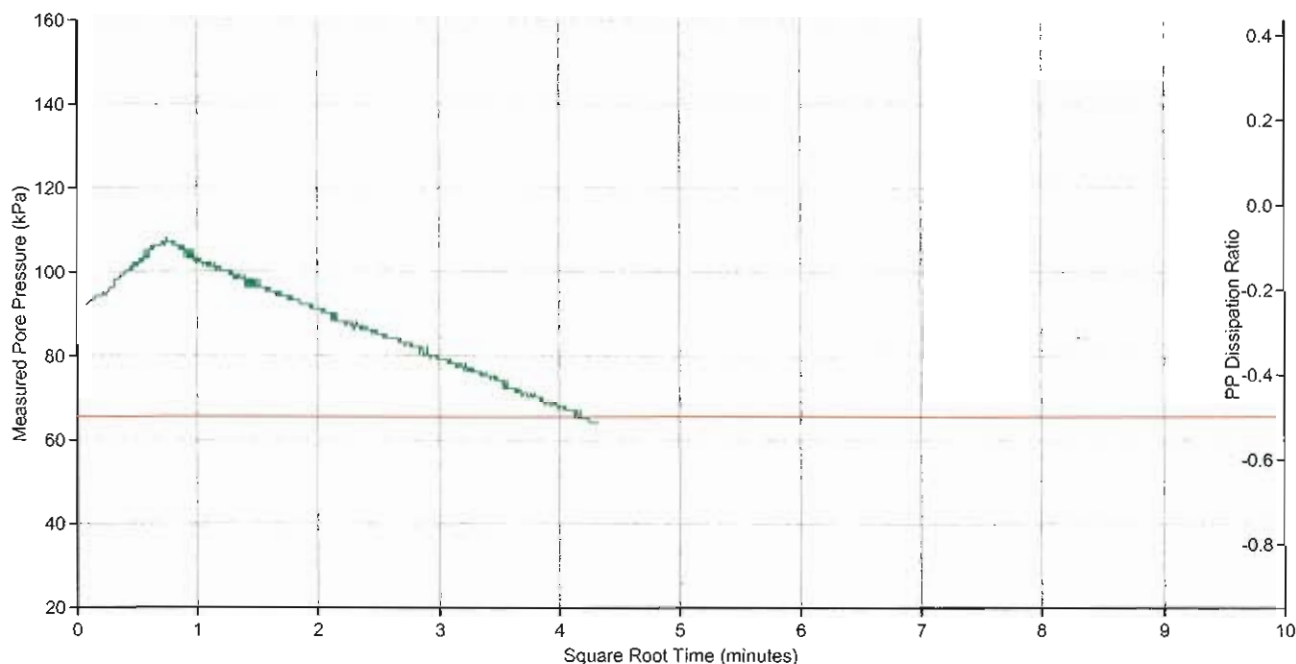
NATA Accreditation Number 2302

NATA Endorsed Test Report  
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## REPORT ON CPTu DISSIPATION TEST

Client **MAIN ROADS - GATEWAY UPGRADE PROJECT TEAM**  
Project **GATEWAY UPGRADE**  
Job Ref.  
Location **E 9578.51 N 172719.00 SET DATUM**  
Chainage  
Sounding **CPTU127**  
Test Date **15/06/2004**  
Remarks

Project No. **FM2055**  
Surface RL **1.710**  
Water Table **1.500**  
Start Depth **1.550**



Depth (m) **3.03**  
Start Pressure (kPa) **116**  
Dissipation (%) **50**  
Dissipation Pressure (kPa) **65**  
Time for Dissipation (min) **18.0**

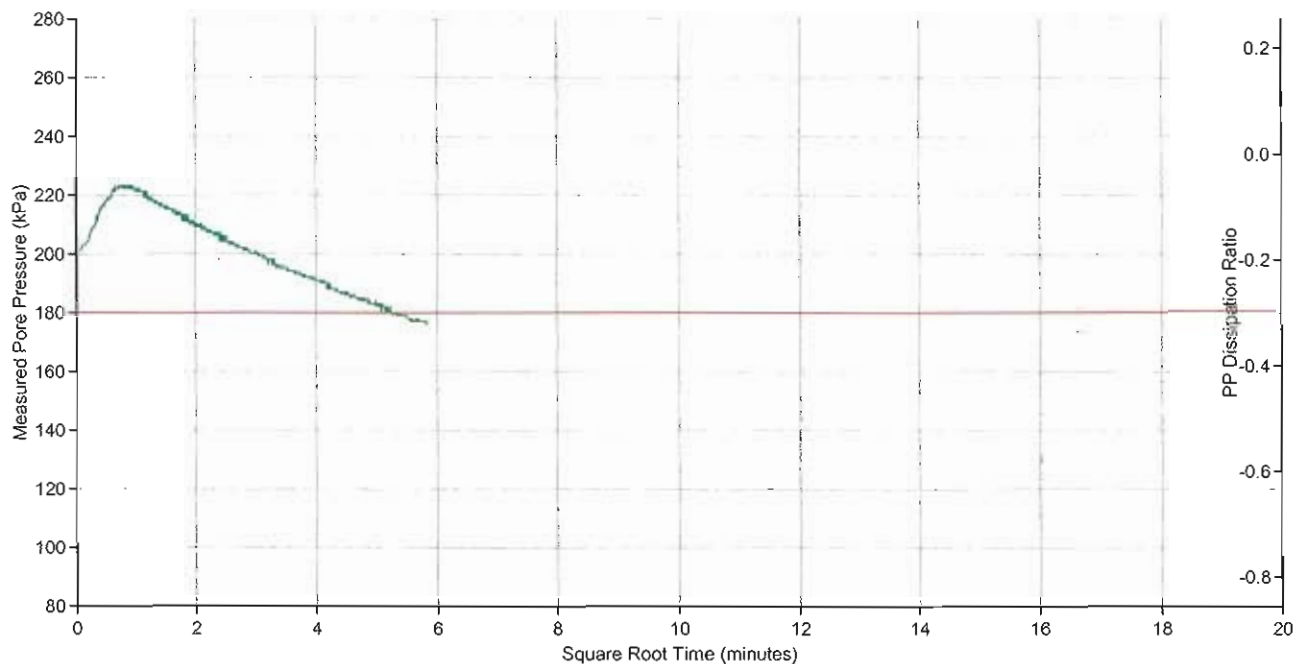
|           |                                                                                     |             |                      |                                                                                                                                                                                                             |
|-----------|-------------------------------------------------------------------------------------|-------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date      | 7/07/2004                                                                           | Cone Type   | Piezocone            | <br>NATA Accreditation Number 2302<br>NATA Endorsed Test Report<br>This document may not be reproduced except in full. |
| Checked   |  | Cone ID     | 3167                 |                                                                                                                                                                                                             |
|           |                                                                                     | Factor "a"  | 0.580                |                                                                                                                                                                                                             |
|           |                                                                                     | Factor "b"  | 0.014                |                                                                                                                                                                                                             |
| Signatory |  | Test Method | Q151A                |                                                                                                                                                                                                             |
|           |                                                                                     | Report No.  | FM2055/CPTU127/Q151A |                                                                                                                                                                                                             |

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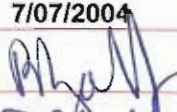

## REPORT ON CPT<sub>u</sub> DISSIPATION TEST

Client **MAIN ROADS - GATEWAY UPGRADE PROJECT TEAM**  
Project **GATEWAY UPGRADE**  
Job Ref.  
Location **E 9578.51 N 172719.00 SET DATUM**  
Chainage  
Sounding **CPTU127**  
Test Date **15/06/2004**  
Remarks

Project No. **FM2055**  
Surface RL **1.710**  
Water Table **1.500**  
Start Depth **1.550**



Depth (m) **7.00**  
Start Pressure (kPa) **234**  
Dissipation (%) **30**  
Dissipation Pressure (kPa) **180**  
Time for Dissipation (min) **27.0**

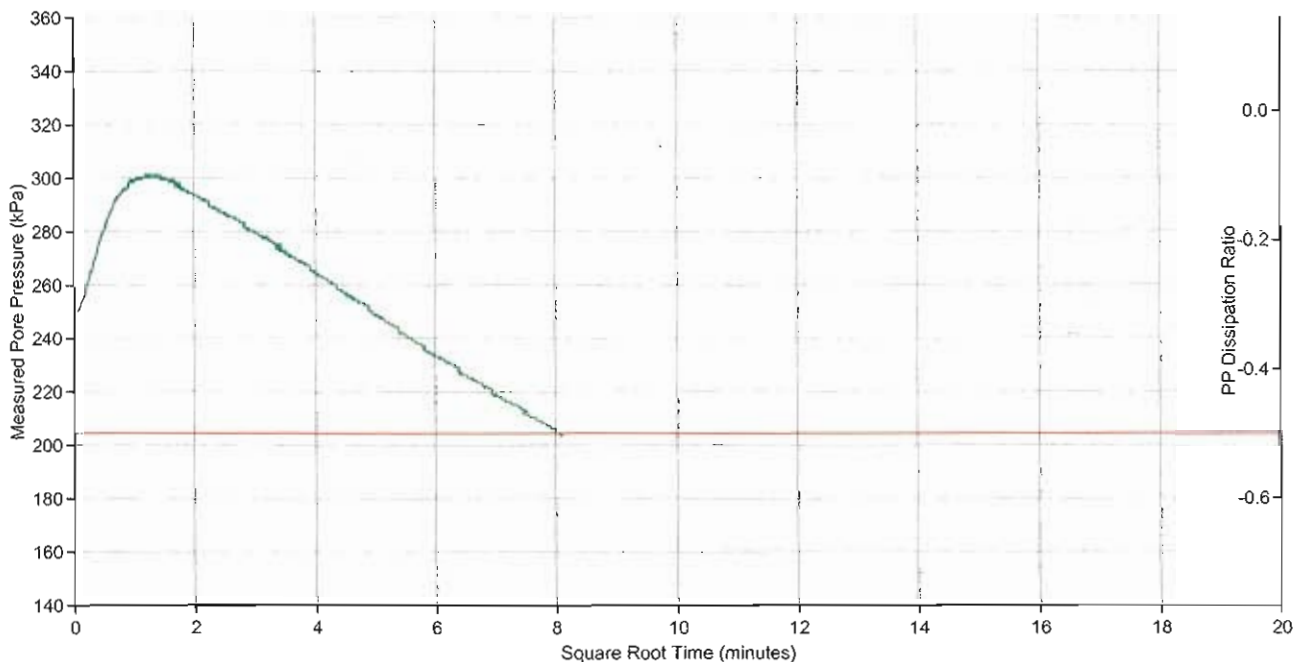
|           |                                                                                     |             |                      |                                                                                                                                                                                                          |
|-----------|-------------------------------------------------------------------------------------|-------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date      | 7/07/2004                                                                           | Cone Type   | Piezocone            |  NATA Accreditation Number 2302<br>NATA Endorsed Test Report<br>This document may not be reproduced except in full. |
| Checked   |  | Cone ID     | 3167                 |                                                                                                                                                                                                          |
| Signatory |  | Factor "a"  | 0.580                |                                                                                                                                                                                                          |
|           |                                                                                     | Factor "b"  | 0.014                |                                                                                                                                                                                                          |
|           |                                                                                     | Test Method | Q151A                |                                                                                                                                                                                                          |
|           |                                                                                     | Report No.  | FM2055/CPTU127/Q151A |                                                                                                                                                                                                          |

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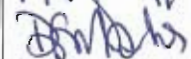
## REPORT ON CPT<sub>u</sub> DISSIPATION TEST


Client **MAIN ROADS - GATEWAY UPGRADE PROJECT TEAM**  
Project **GATEWAY UPGRADE**  
Job Ref.  
Location **E 9578.51 N 172719.00 SET DATUM**  
Chainage  
Sounding **CPTU127D**  
Test Date **15/06/2004**  
Remarks **Dissipation Tests @ 3.0, 7.0 & 10.0m**

Project No. **FM2055**  
Surface RL **1.710**  
Water Table **1.500**  
Start Depth **1.500**



Depth (m) **10.01**  
Start Pressure (kPa) **325**  
Dissipation (%) **50**  
Dissipation Pressure (kPa) **204**  
Time for Dissipation (min) **65.0**

|           |                                                                                     |             |                              |
|-----------|-------------------------------------------------------------------------------------|-------------|------------------------------|
| Date      | <b>7/07/2004</b>                                                                    | Cone Type   | <b>Piezocone</b>             |
|           |                                                                                     | Cone ID     | <b>3167</b>                  |
| Checked   |  | Factor "a"  | <b>0.580</b>                 |
|           |                                                                                     | Factor "b"  | <b>0.014</b>                 |
| Signatory |  | Test Method | <b>Q151A</b>                 |
|           |                                                                                     | Report No.  | <b>FM2055/CPTU127D/Q151A</b> |

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