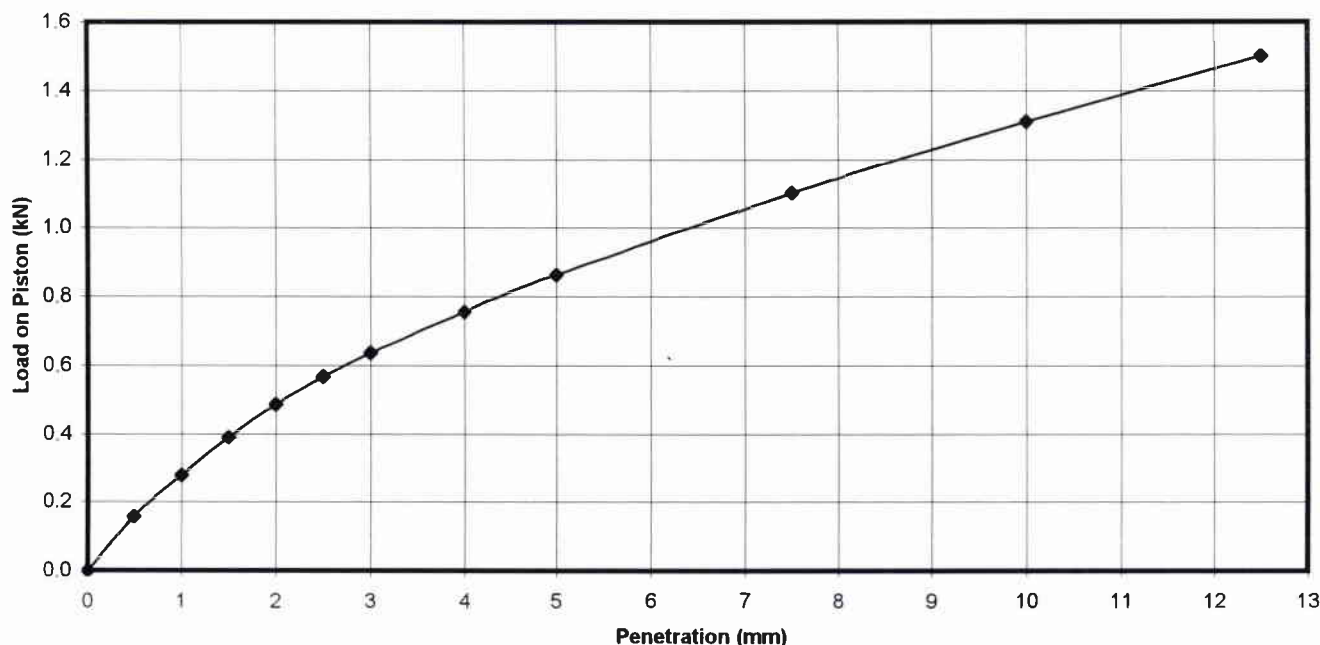




## RESULT OF CALIFORNIA BEARING RATIO TEST

|                        |                                  |                       |           |
|------------------------|----------------------------------|-----------------------|-----------|
| <b>Client :</b>        | SYDNEY BROADCASTING PROPERTY P/L | <b>Project No. :</b>  | 45925     |
| <b>Project :</b>       | PROPOSED RESIDENTIAL DEVELOPMENT | <b>Report No. :</b>   | S09-004 E |
| <b>Location :</b>      | 61 MOBBS LANE, EPPING            | <b>Report Date :</b>  | 21/01/09  |
| <b>Test Location :</b> | BH 105                           | <b>Date Sampled :</b> | -         |
| <b>Depth / Layer :</b> | 0.2-1.2m                         | <b>Date of Test:</b>  | 09/01/09  |
|                        |                                  | <b>Page:</b>          | 1 of 1    |



**Description:** CLAY - Stiff to very stiff, dark brown clay

**Test Method(s):** AS 1289.6.1.1-1998, AS 1289.2.1.1-2005

**Sampling Method(s):** AS 1289.1.2.1-1998, AS 1289.1.1-2001

**Percentage > 19mm:** 0.0%

**LEVEL OF COMPACTION:** 100% of STD MDD  
**MOISTURE RATIO:** 98% of STD OMC

**SURCHARGE:** 4.5 kg  
**SOAKING PERIOD:** 4 days

**SWELL:** 2.0%

| CONDITION           | MOISTURE CONTENT % | DRY DENSITY t/m <sup>3</sup> |
|---------------------|--------------------|------------------------------|
| At compaction       | 18.6               | 1.69                         |
| After soaking       | 22.2               | 1.66                         |
| After test          |                    |                              |
| Top 30mm of sample  | 23.3               | -                            |
| Remainder of sample | 20.0               | -                            |
| Field values        | 18.9               | -                            |
| Standard Compaction | 19.0               | 1.70                         |

| RESULTS |             |         |
|---------|-------------|---------|
| TYPE    | PENETRATION | CBR (%) |
| TOP     | 2.5 mm      | 4.5     |
|         | 5.0 mm      | 4.5     |



## RESULTS OF COMPACTION TEST

**Client :** SYDNEY BROADCASTING PROPERTY P/L

**Project :** PROPOSED RESIDENTIAL DEVELOPMENT

**Location :** 61 MOBBS LANE, EPPING

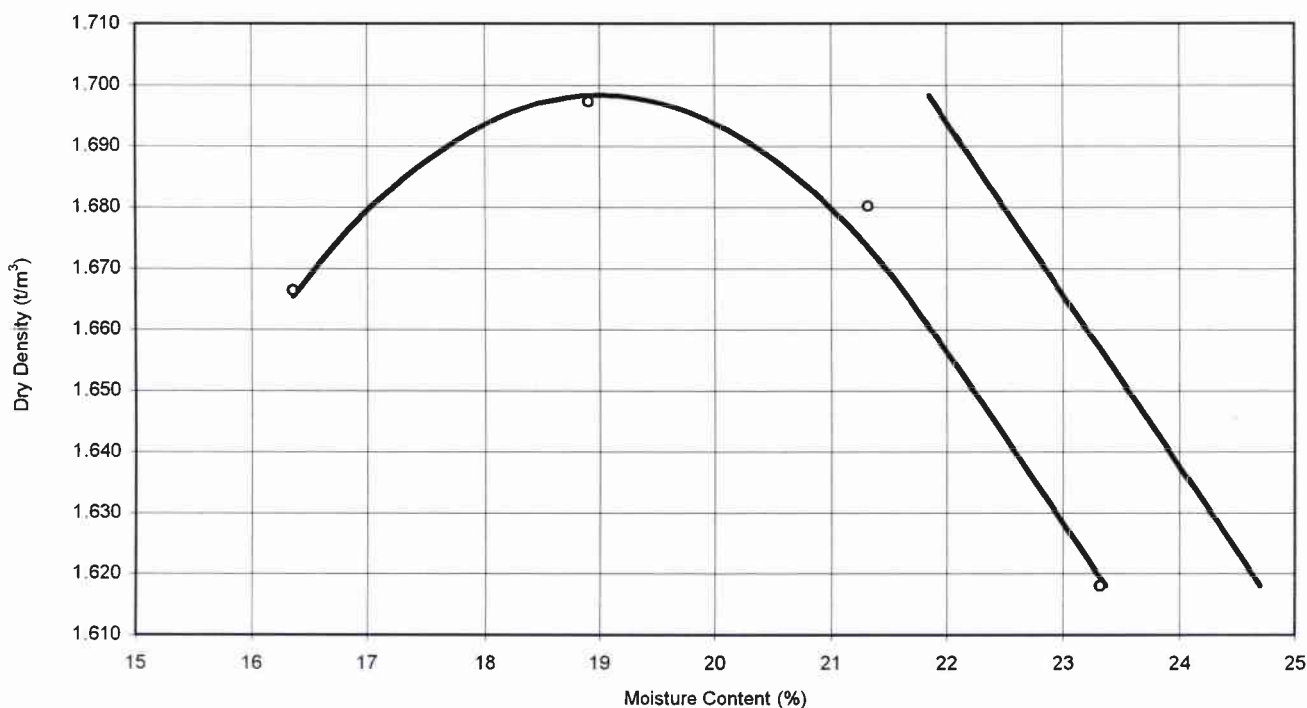
**Project No. :** 45925

**Report No. :** S09-004 E

**Report Date :** 09/01/09

**Date of Test:** 09/01/09

**Page:** 1 of 1



**Sample Details**    **Location:** BH 105  
**Depth:** 0.2-1.2m

**Particles > 19mm:** 0%

**Description:** CLAY - Stiff to very stiff, dark brown clay

**Maximum Dry Density:** 1.70 t/m³

**Optimum Moisture Content:** 19.0 %

**Remarks:**

**Test Methods:** AS 1289.5.1.1-2003 (STD), AS1289.2.1.1-2005

**Sampling Methods:** AS 1289.1.1-2001, AS 1289.1.2.1-1998



NATA Accredited Laboratory Number: 828

This Document is issued in accordance with NATA's

accreditation requirements.

Accredited for compliance with ISO/IEC 17025

**Approved Signatory:**

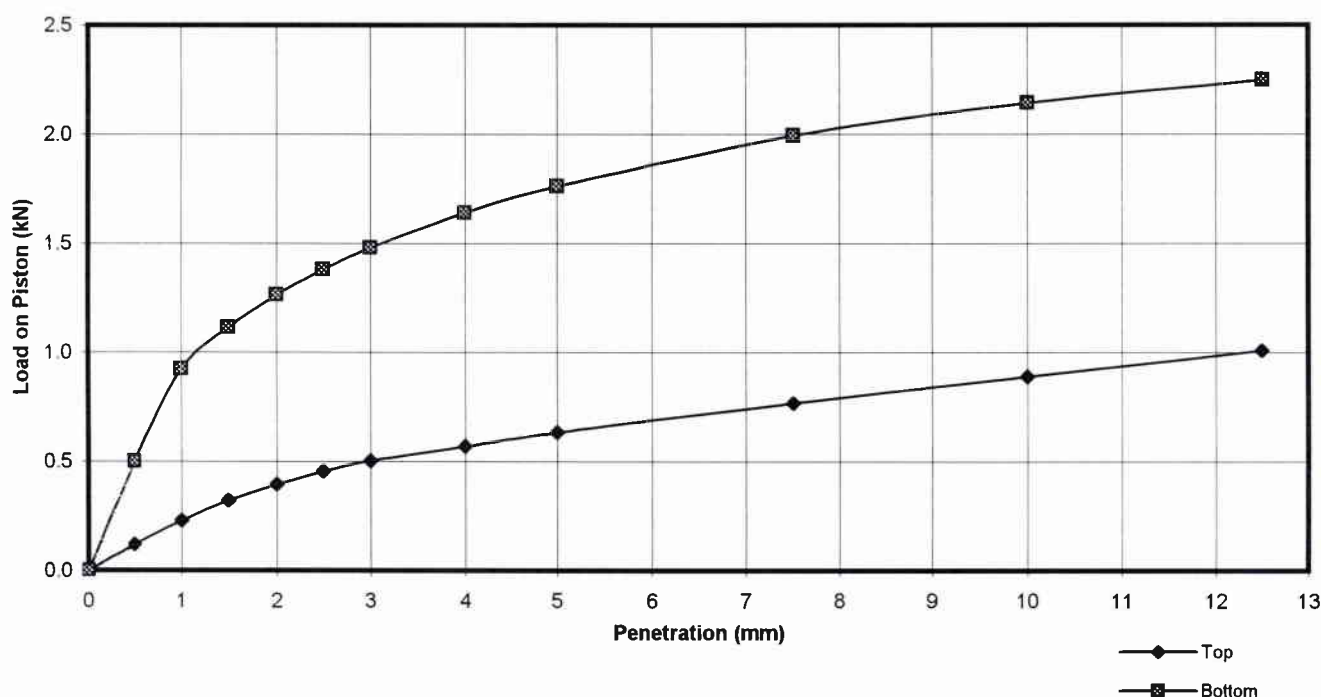
Tested: AH  
Checked: NW

Norman Weimann  
Laboratory Manager



## RESULT OF CALIFORNIA BEARING RATIO TEST

|                        |                                  |                       |           |
|------------------------|----------------------------------|-----------------------|-----------|
| <b>Client :</b>        | SYDNEY BROADCASTING PROPERTY P/L | <b>Project No. :</b>  | 45925     |
| <b>Project :</b>       | PROPOSED RESIDENTIAL DEVELOPMENT | <b>Report No. :</b>   | S09-004 F |
| <b>Location :</b>      | 61 MOBBS LANE, EPPING            | <b>Report Date :</b>  | 21/01/09  |
| <b>Test Location :</b> | BH 106                           | <b>Date Sampled :</b> | -         |
| <b>Depth / Layer :</b> | 0.7-1.7m                         | <b>Date of Test:</b>  | 09/01/09  |
|                        |                                  | <b>Page:</b>          | 1 of 1    |



**Description:** CLAY – Stiff to very stiff, light brown and grey silty clay

**Test Method(s):** AS 1289.6.1.1-1998, AS 1289.2.1.1-2005

**Sampling Method(s):** AS 1289.1.2.1-1998, AS 1289.1.1-2001

**Percentage > 19mm:** 0.0%

**LEVEL OF COMPACTION:** 100% of STD MDD

**SURCHARGE:** 4.5 kg

**SWELL:** 1.8%

**MOISTURE RATIO:** 102% of STD OMC

**SOAKING PERIOD:** 4 days

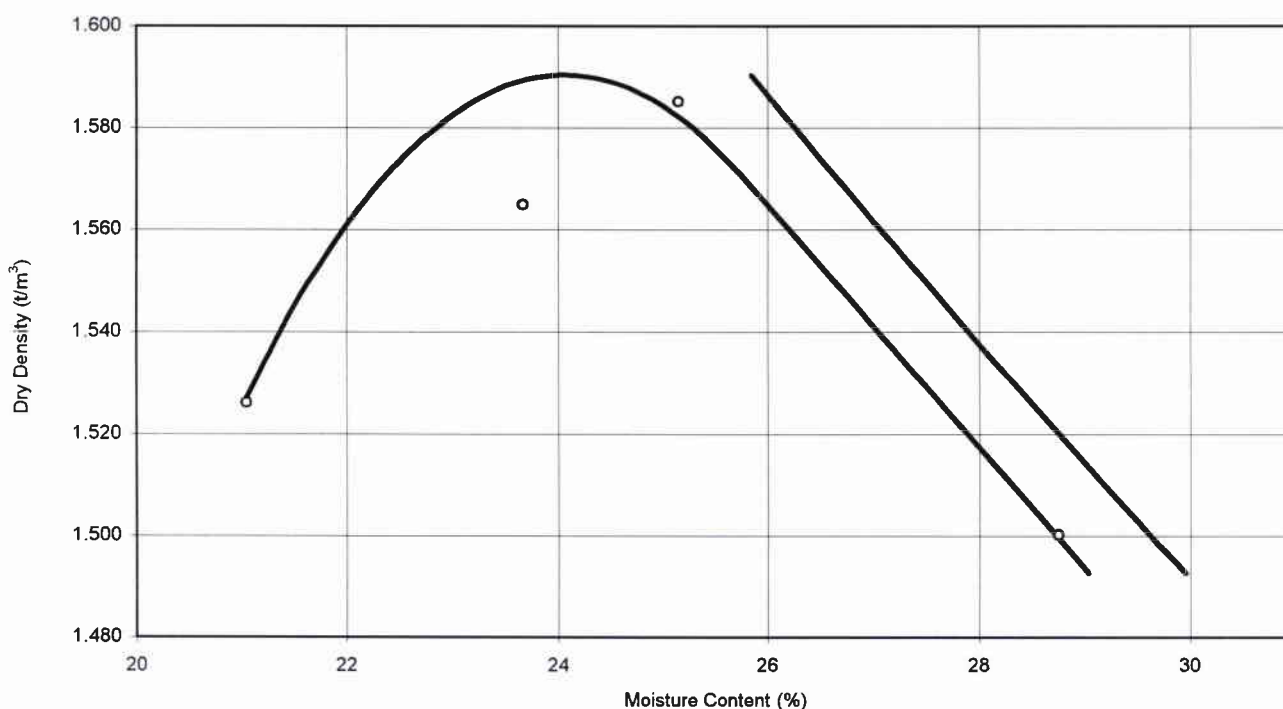
| CONDITION           | MOISTURE CONTENT % | DRY DENSITY t/m <sup>3</sup> |
|---------------------|--------------------|------------------------------|
| At compaction       | 24.5               | 1.58                         |
| After soaking       | 28.2               | 1.55                         |
| After test          |                    |                              |
| Top 30mm of sample  | 29.0               | -                            |
| Remainder of sample | 24.2               | -                            |
| Field values        | 21.0               | -                            |
| Standard Compaction | 24.1               | 1.59                         |

| RESULTS |             |         |
|---------|-------------|---------|
| TYPE    | PENETRATION | CBR (%) |
| TOP     | 2.5 mm      | 3.5     |
|         | 5.0 mm      | 3.0     |
| BOTTOM  | 2.5 mm      | 10      |
|         | 5.0 mm      | 9       |



## RESULTS OF COMPACTION TEST

|                   |                                  |                      |           |
|-------------------|----------------------------------|----------------------|-----------|
| <b>Client :</b>   | SYDNEY BROADCASTING PROPERTY P/L | <b>Project No. :</b> | 45925     |
| <b>Project :</b>  | PROPOSED RESIDENTIAL DEVELOPMENT | <b>Report No. :</b>  | S09-004 F |
| <b>Location :</b> | 61 MOBBS LANE, EPPING            | <b>Report Date :</b> | 09/01/09  |
|                   |                                  | <b>Date of Test:</b> | 09/01/09  |
|                   |                                  | <b>Page:</b>         | 1 of 1    |



**Sample Details**    **Location:** BH 106  
**Depth:** 0.7-1.7m

**Particles > 19mm:** 0%

**Description:** CLAY – Stiff to very stiff, light brown and grey silty clay

**Maximum Dry Density:** 1.59 t/m<sup>3</sup>

**Optimum Moisture Content:** 24.0 %

**Remarks:**

**Test Methods:** AS 1289.5.1.1-2003 (STD), AS1289.2.1.1-2005

**Sampling Methods:** AS 1289.1.1-2001, AS 1289.1.2.1-1998



NATA Accredited Laboratory Number: 828  
This Document is issued in accordance with NATA's accreditation requirements.  
Accredited for compliance with ISO/IEC 17025

**Approved Signatory:**

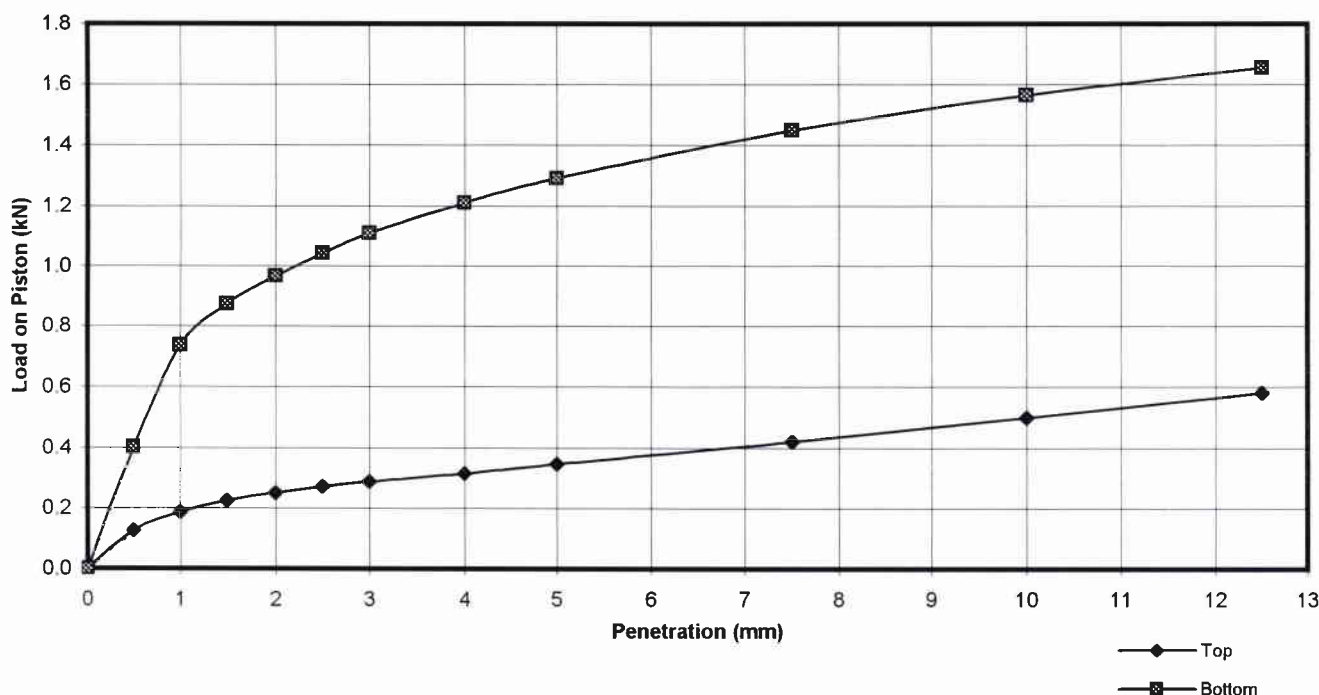
Tested: AH  
Checked: NW

Norman Weimann  
Laboratory Manager



## RESULT OF CALIFORNIA BEARING RATIO TEST

|                        |                                  |                       |           |
|------------------------|----------------------------------|-----------------------|-----------|
| <b>Client :</b>        | SYDNEY BROADCASTING PROPERTY P/L | <b>Project No. :</b>  | 45925     |
| <b>Project :</b>       | PROPOSED RESIDENTIAL DEVELOPMENT | <b>Report No. :</b>   | S09-004 G |
| <b>Location :</b>      | 61 MOBBS LANE, EPPING            | <b>Report Date :</b>  | 21/01/09  |
| <b>Test Location :</b> | BH 108                           | <b>Date Sampled :</b> | -         |
| <b>Depth / Layer :</b> | 0.7-1.6m                         | <b>Date of Test:</b>  | 09/01/09  |
|                        |                                  | <b>Page:</b>          | 1 of 1    |



**Description:** CLAY – Stiff to very stiff, red and light grey clay

**Test Method(s):** AS 1289.6.1.1-1998, AS 1289.2.1.1-2005

**Sampling Method(s):** AS 1289.1.2.1-1998, AS 1289.1.1-2001

**Percentage > 19mm:** 0.0%

**LEVEL OF COMPACTION:** 100% of STD MDD

**SURCHARGE:** 4.5 kg

**SWELL:** 5.1%

**MOISTURE RATIO:** 99% of STD OMC

**SOAKING PERIOD:** 4 days

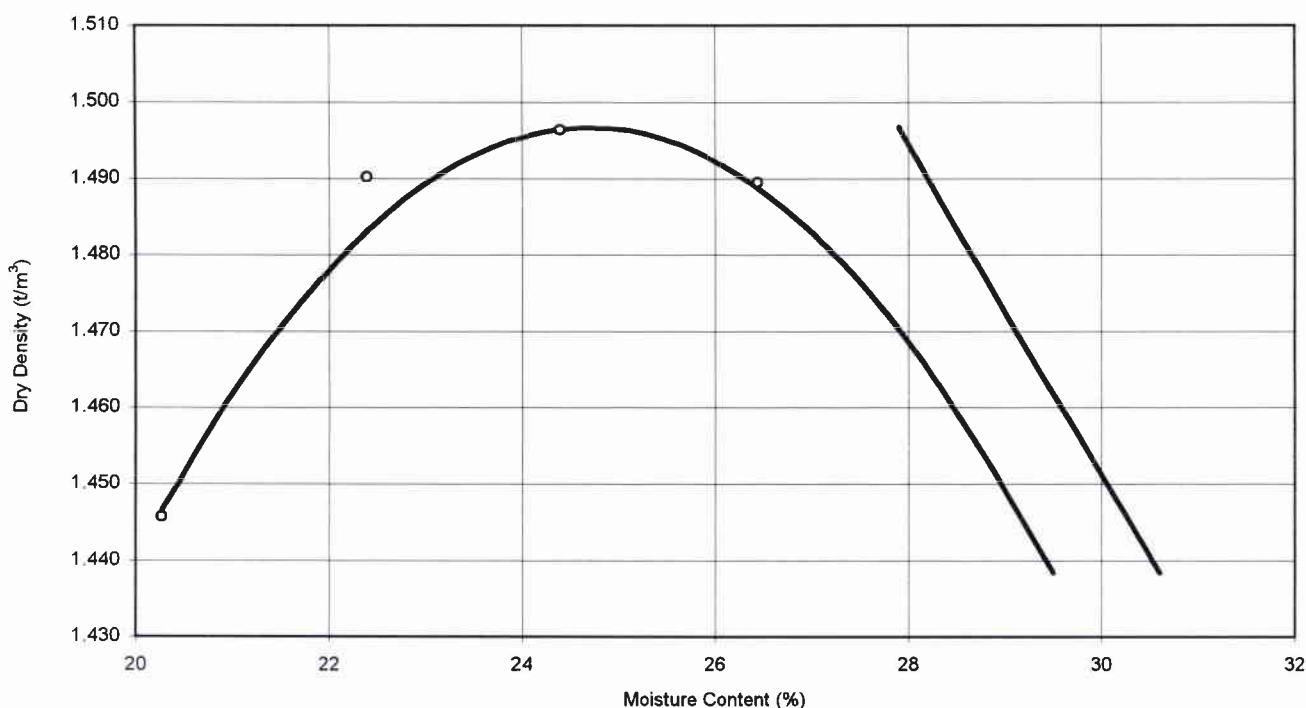
| CONDITION           | MOISTURE CONTENT % | DRY DENSITY t/m <sup>3</sup> |
|---------------------|--------------------|------------------------------|
| At compaction       | 24.4               | 1.50                         |
| After soaking       | 31.6               | 1.43                         |
| After test          |                    |                              |
| Top 30mm of sample  | 32.7               | -                            |
| Remainder of sample | 25.3               | -                            |
| Field values        | 22.4               | -                            |
| Standard Compaction | 24.7               | 1.50                         |

| RESULTS |             |         |
|---------|-------------|---------|
| TYPE    | PENETRATION | CBR (%) |
| TOP     | 2.5 mm      | 2.0     |
|         | 5.0 mm      | 1.5     |
| BOTTOM  | 2.5 mm      | 8       |
|         | 5.0 mm      | 7       |



## RESULTS OF COMPACTION TEST

|                   |                                  |                      |           |
|-------------------|----------------------------------|----------------------|-----------|
| <b>Client :</b>   | SYDNEY BROADCASTING PROPERTY P/L | <b>Project No. :</b> | 45925     |
| <b>Project :</b>  | PROPOSED RESIDENTIAL DEVELOPMENT | <b>Report No. :</b>  | S09-004 G |
| <b>Location :</b> | 61 MOBBS LANE, EPPING            | <b>Report Date :</b> | 09/01/09  |
|                   |                                  | <b>Date of Test:</b> | 09/01/09  |
|                   |                                  | <b>Page:</b>         | 1 of 1    |



**Sample Details**    **Location:** BH 108  
                          **Depth:** 0.7-1.6m

**Particles > 19mm:** 0%

**Description:** CLAY – Stiff to very stiff, red and light grey clay

|                                  |                             |
|----------------------------------|-----------------------------|
| <b>Maximum Dry Density:</b>      | <b>1.50 t/m<sup>3</sup></b> |
| <b>Optimum Moisture Content:</b> | <b>24.5 %</b>               |

**Remarks:**

**Test Methods:** AS 1289.5.1.1-2003 (STD), AS1289.2.1.1-2005

**Sampling Methods:** AS 1289.1.1-2001, AS 1289.1.2.1-1998



NATA Accredited Laboratory Number: 828  
This Document is issued in accordance with NATA's accreditation requirements.  
Accredited for compliance with ISO/IEC 17025

**Approved Signatory:**

|          |    |
|----------|----|
| Tested:  | AH |
| Checked: | NW |

*Norman Weimann*  
Norman Weimann  
Laboratory Manager