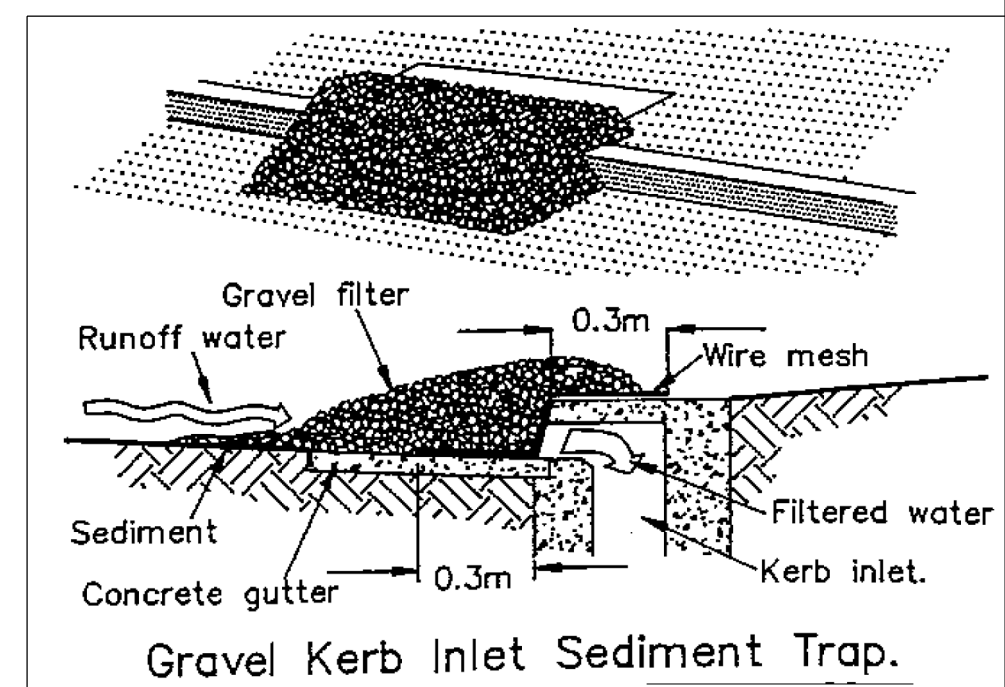
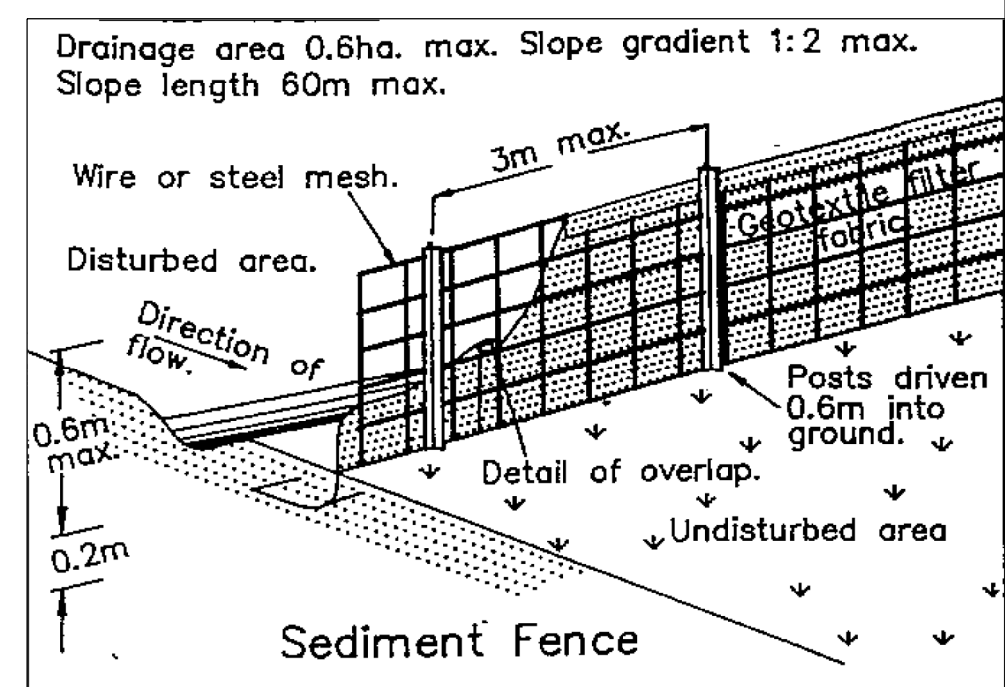
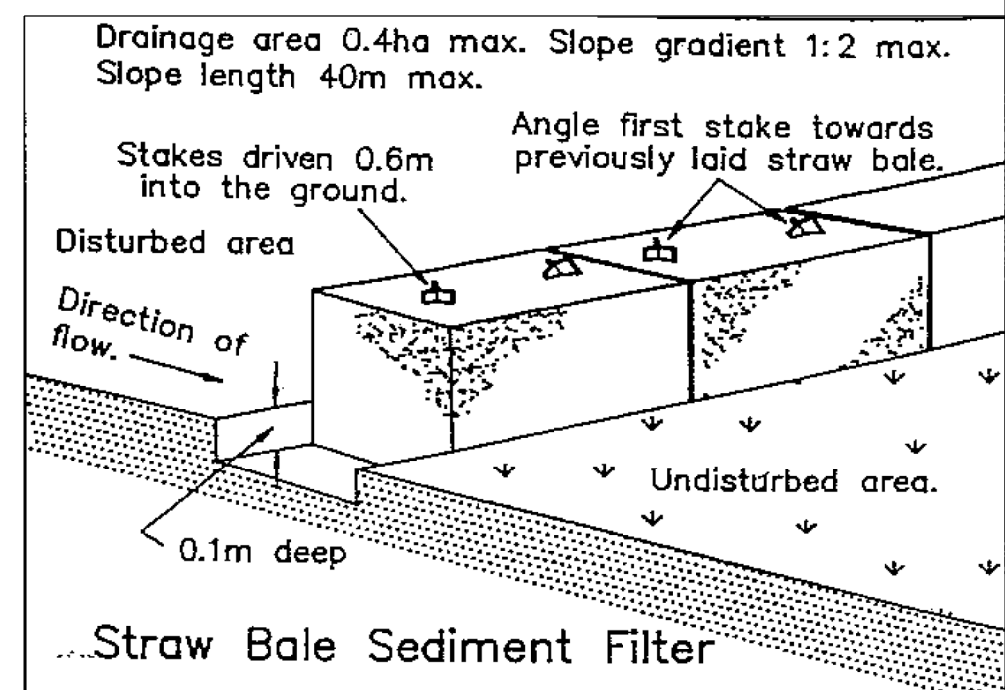
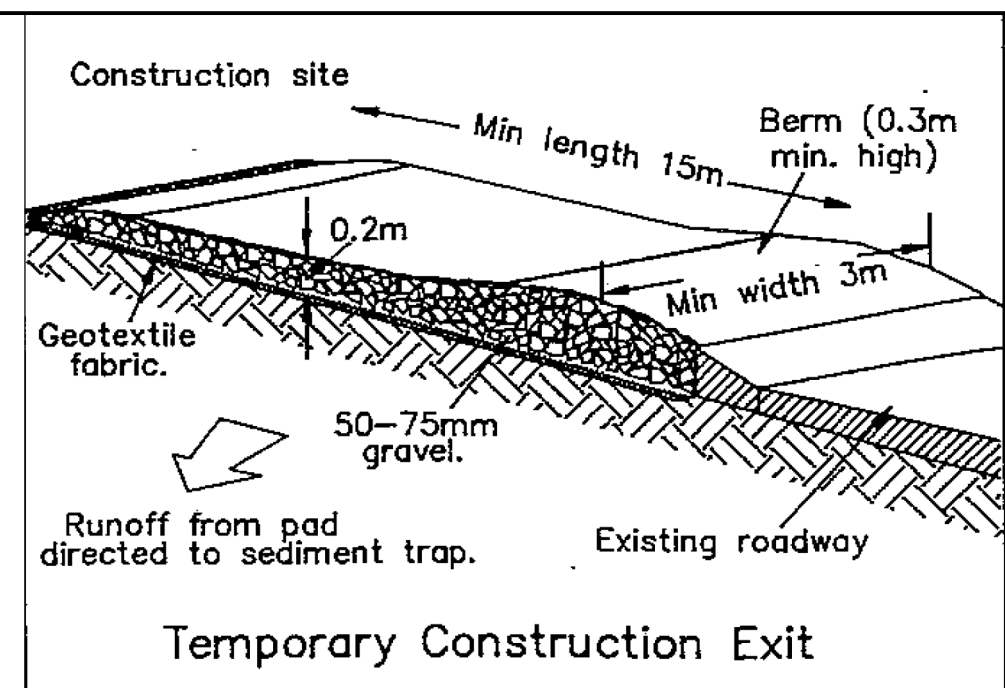
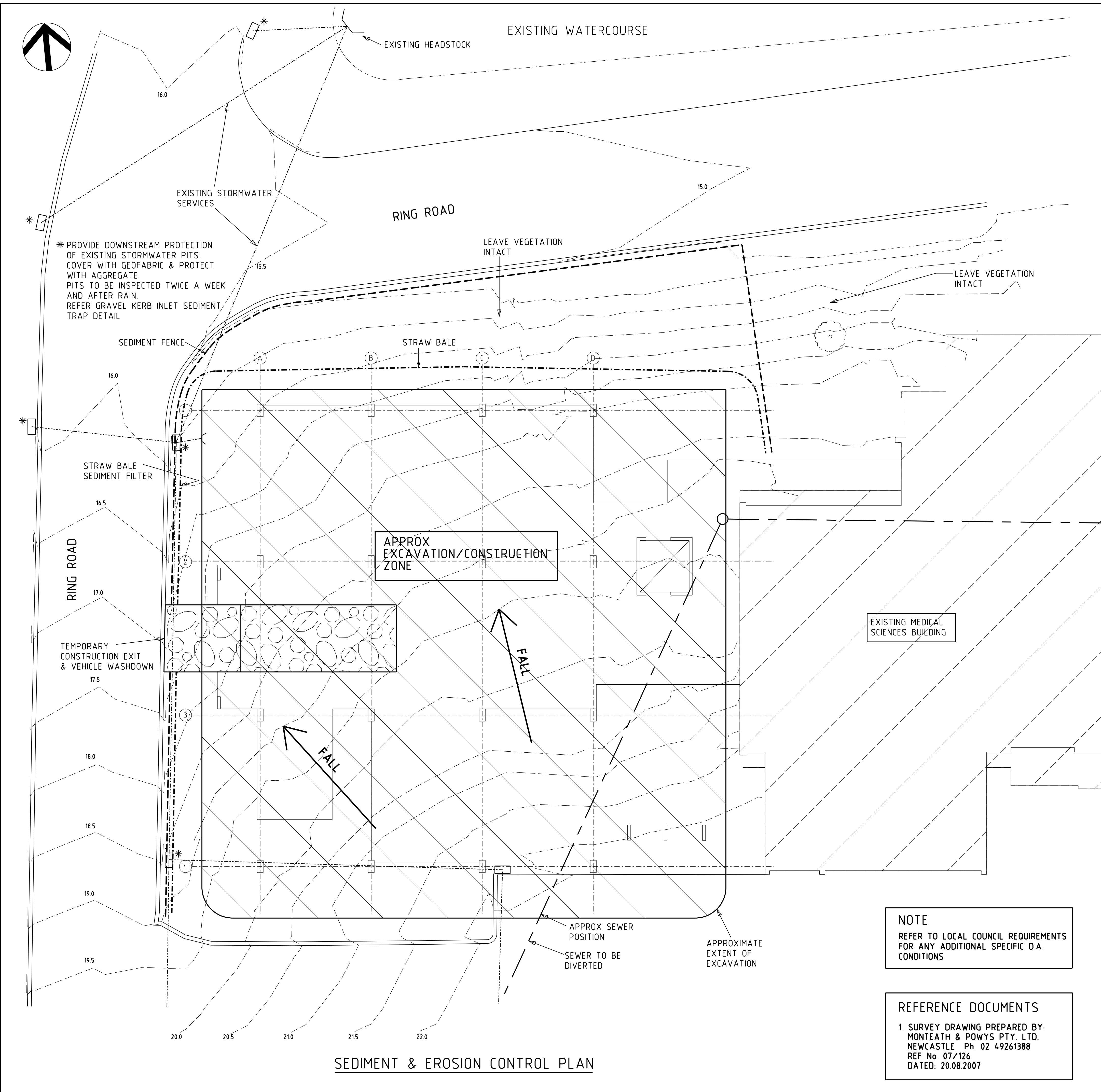


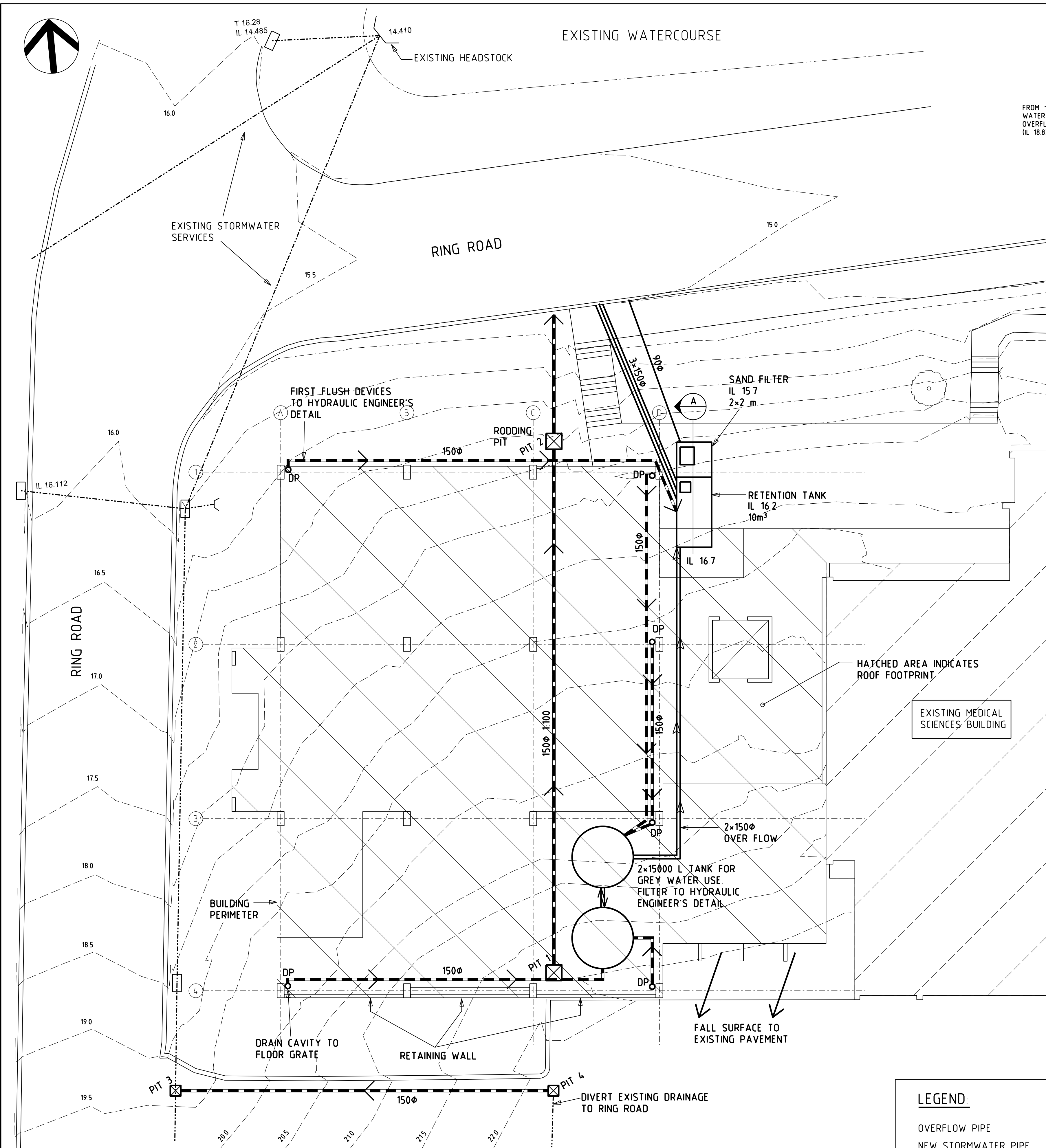


**NOTE**  
REFER TO LOCAL COUNCIL REQUIREMENTS  
FOR ANY ADDITIONAL SPECIFIC D.A.  
CONDITIONS

**REFERENCE DOCUMENTS**  
1. SURVEY DRAWING PREPARED BY:  
MONTEATH & POWYS PTY. LTD.  
NEWCASTLE Ph. 02 49261388  
REF No. 07/126  
DATED: 20.08.2007

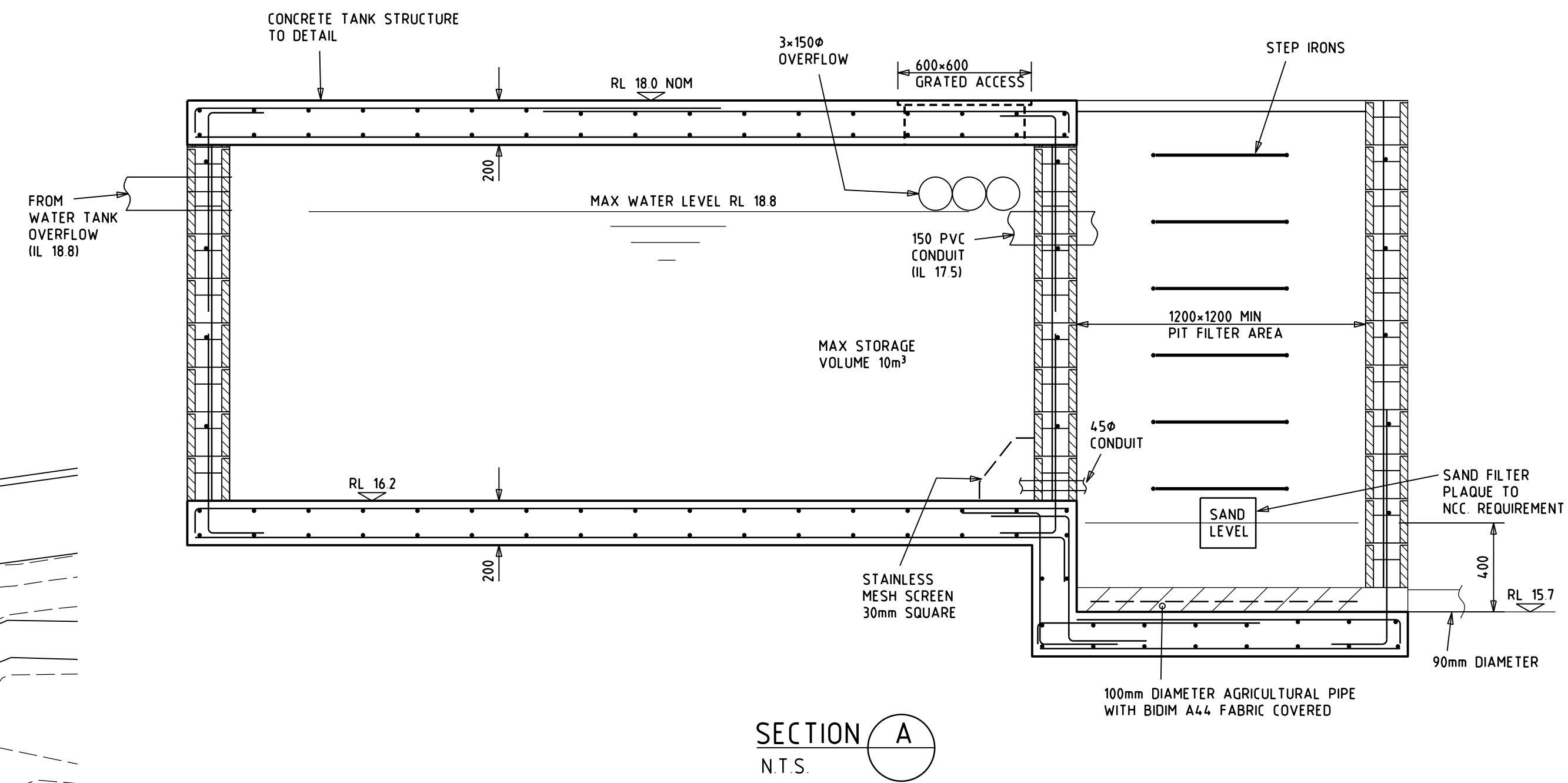
- LEGEND**
- STRAW BALE SEDIMENT FILTER
  - SEDIMENT FENCE
  - SEWER
  - EXISTING STORMWATER PIPE
  - TEMPORARY CONSTRUCTION EXIT
  - EXCAVATION/CONSTRUCTION ZONE

|                                                                                                                                                                                                                                |               |                           |          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------|----------|-------------|
| HL                                                                                                                                                                                                                             | RY            | FOR D.A.                  | 29.06.11 | B           |
| WS                                                                                                                                                                                                                             | RY            | SCHEMATIC FOR INFORMATION | 01.06.11 | A           |
| BY                                                                                                                                                                                                                             | CHKD          | DESCRIPTION               | DATE     | REV         |
| COPYRIGHT: THIS DESIGN AND PLANS ARE NOT TO BE USED OR REPRODUCED WHOLLY OR IN PART WITHOUT WRITTEN PERMISSION FROM JAMES TAYLOR AND ASSOCIATES                                                                                |               |                           |          |             |
| <b>James Taylor &amp; Associates</b><br>Civil & Structural Consulting Engineers<br>4 GURRIGAL STREET, MOSMAN 2088 A.B.N. 33 102 603 558<br>Tel: (02) 9969 1999 Fax: (02) 9960 2472<br>Email: mail@jamestaylorassociates.com.au |               |                           |          |             |
| ARCHITECT<br>EJE ARCHITECTURE<br>412 KING STREET NEWCASTLE NSW 2300<br>PHONE +61 2 4929 2353 FAX +61 2 4929 3069                                                                                                               |               |                           |          |             |
| FACILITIES MANAGEMENT<br>THE UNIVERSITY OF NEWCASTLE<br>NEW ANATOMY TEACHING - PC2 TEACHING FACILITY<br>MEDICAL SCIENCES BUILDING WEST<br>THE UNIVERSITY OF NEWCASTLE                                                          |               |                           |          |             |
| <b>SEDIMENT &amp; EROSION CONTROL PLAN</b>                                                                                                                                                                                     |               |                           |          |             |
| DESIGN                                                                                                                                                                                                                         | RY            | DRAWN                     | WS       | PROJECT No. |
| CHKD                                                                                                                                                                                                                           |               |                           |          | 5211        |
| APPROD                                                                                                                                                                                                                         |               |                           |          | DRAWING No. |
| SCALE 1:125 @ A1                                                                                                                                                                                                               | DATE APR 2011 |                           |          | REV         |
|                                                                                                                                                                                                                                |               |                           |          | C01 B       |



**STORMWATER CONCEPT PLAN** (SCALE 1:125)  
REFER HYDRAULIC ENGINEER FOR FIRST  
FLUSH FILTER DEVICES FOR WATER STORAGE.  
ALL DRAINAGE WORKS SHALL BE CARRIED OUT  
IN ACCORDANCE WITH AS3500.

| LEGEND:                  |       |
|--------------------------|-------|
| OVERFLOW PIPE            | ———   |
| NEW STORMWATER PIPE      | ———   |
| EXISTING STORMWATER PIPE | ----- |
| DOWNPIPE                 | DP    |



**PIT SCHEDULE:**

| PIT # | SIZE    | SURFACE RL | INVERT RL |
|-------|---------|------------|-----------|
| 1     | 900x900 | 17.075     | 16.775    |
| 2     | 900x900 | 17.0       | 16.54     |
| 3     | 600x600 | 19.4       | TBC       |
| 4     | 600x600 | 22.2       | TBC       |

|                          |                     |
|--------------------------|---------------------|
| SITE AREA :              | 1530 m <sup>2</sup> |
| ROOF AREA :              | 860 m <sup>2</sup>  |
| % ROOF BY PASS :         | 17%                 |
| IMPERVIOUS PAVING AREA : | 80 m <sup>2</sup>   |
| TOTAL IMPERVIOUS AREA :  | 940 m <sup>2</sup>  |

|                                   |          |
|-----------------------------------|----------|
| MINIMUM STORAGE VOLUME TO NCC DCP | 16,000 L |
| WATER TANK STORAGE :              | 30,000 L |
| RETENTION VOLUME :                | 10,000 L |
| TOTAL VOLUME :                    | 40,000 L |

**FOR CONCEPT APPROVAL  
NOT FOR CONSTRUCTION**

|                                                                                                                                                                                                                                |      |                           |          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------|----------|-------------|
| HL                                                                                                                                                                                                                             | RY   | FOR D.A.                  | 29.06.11 | B           |
| WS                                                                                                                                                                                                                             | RY   | SCHEMATIC FOR INFORMATION | 01.06.11 | A           |
| BY                                                                                                                                                                                                                             | CHKD | DESCRIPTION               | DATE     | REV         |
| COPYRIGHT: THIS DESIGN AND PLANS ARE NOT TO BE USED<br>OR REPRODUCED WHOLLY OR IN PART WITHOUT WRITTEN<br>PERMISSION FROM JAMES TAYLOR AND ASSOCIATES                                                                          |      |                           |          |             |
| <b>James Taylor &amp; Associates</b><br>Civil & Structural Consulting Engineers<br>4 GURRIGAL STREET, MOSMAN 2088 A.B.N. 33 102 603 558<br>Tel: (02) 9969 1999 Fax: (02) 9960 2472<br>Email: mail@jamestaylorassociates.com.au |      |                           |          |             |
| ARCHITECT<br><b>EJE ARCHITECTURE</b><br>412 KING STREET NEWCASTLE NSW 2300<br>PHONE +61 2 4929 2353 FAX +61 2 4929 3069                                                                                                        |      |                           |          |             |
| FACILITIES MANAGEMENT<br>THE UNIVERSITY OF NEWCASTLE<br>NEW ANATOMY TEACHING - PC2 TEACHING FACILITY<br>MEDICAL SCIENCES BUILDING WEST<br>THE UNIVERSITY OF NEWCASTLE                                                          |      |                           |          |             |
| <b>STORMWATER CONCEPT PLAN</b>                                                                                                                                                                                                 |      |                           |          |             |
| DESIGN                                                                                                                                                                                                                         | RY   | DRAWN                     | WS       | PROJECT No. |
| CHKD                                                                                                                                                                                                                           |      |                           |          | 5211        |
| APPRD                                                                                                                                                                                                                          |      |                           |          | DRAWING No. |
| SCALE                                                                                                                                                                                                                          | DATE | APR 2011                  | C02      | REV         |
|                                                                                                                                                                                                                                |      |                           |          | B           |