

**CONCEPT STORMWATER PLAN**  
SCALE 1:200

**STORMWATER**

1. THESE DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DETAILS
2. ALL LEVELS ARE DATUM AHD
3. ALL LEVELS ARE FINISHED PAVEMENT OR LAWN LEVELS.
4. EXISTING LEVELS SHOWN eg. 4.79E  
NEW LEVELS SHOWN eg. 5.35
5. DP = DOWNPIPES  
IL = PIPE INVERT LEVEL
6. ALL STORMWATER PIPES TO BE UPVC STORMWATER GRADE, TO SIZES INDICATED, JOINTED & INSTALLED TO MANUFACTURERS' RECOMMENDATIONS, U.N.O.

- = APPROX. EXTENT OF RETAINING WALL, MAX. HEIGHT SHOWN
- = MINIMUM 3000L RAINWATER TANK
- DPS = DOWNPIPE SPREADER

SITE AREA = 938m<sup>2</sup>  
 PROPOSED IMPERVIOUS AREA = 525.4m<sup>2</sup>  
 % IMPERVIOUS = 525.4/938 = 0.56  
 ∴ STORAGE REQUIREMENT = 12+6 (25-12/50) = 13.56mm OF RAINFALL  
 ∴ STORAGE VOLUME = 525.4x13.56/1000 = 7.12m<sup>3</sup>  
 HARVESTING CREDITS - RAINWATER TANKS CONNECTED TO ALL TOILETS & LAUNDRY TAPS.  
 4x2 BEDROOM UNITS - PROVIDE MINIMUM 3000L RAINWATER TANKS.  
 ∴ STORAGE CREDITS = 4x1.9m<sup>3</sup>  
 = 7.6m<sup>3</sup> > 7.12m<sup>3</sup>  
 ∴ 3000L RAINWATER TANKS SUFFICIENT, NO DETENTION REQUIRED

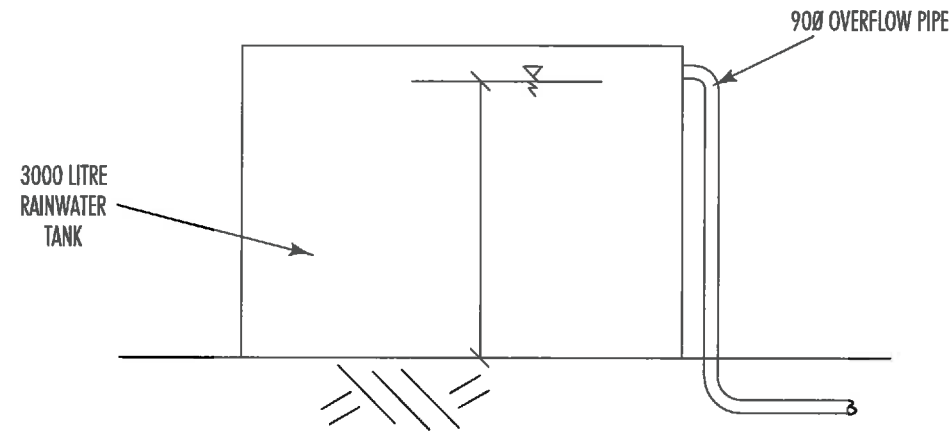
| No. | Drawn | Date     | Description    | Design |
|-----|-------|----------|----------------|--------|
| 1   | A.H   | 11.07.12 | ORIGINAL ISSUE | M.W    |

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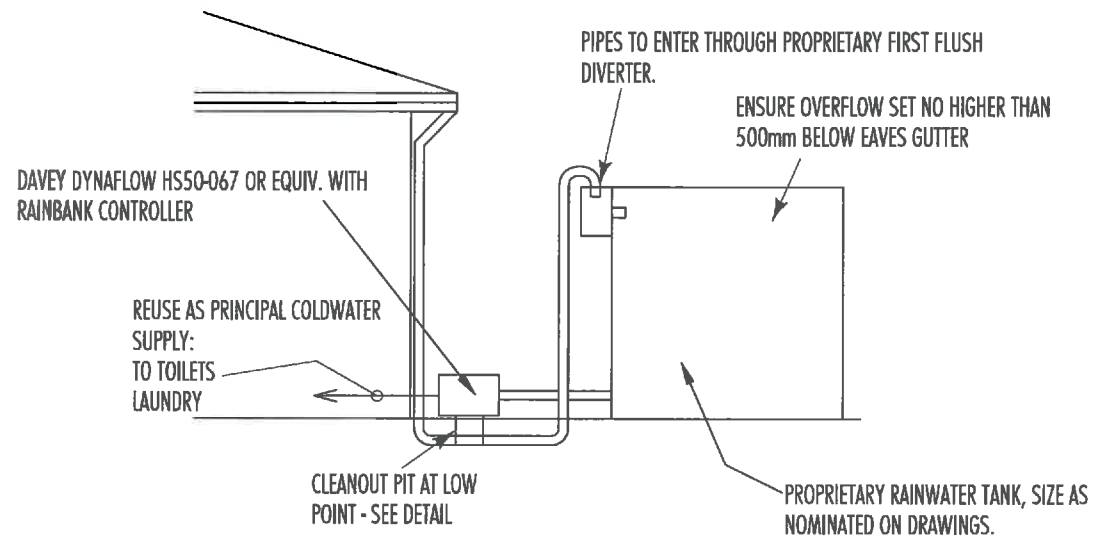


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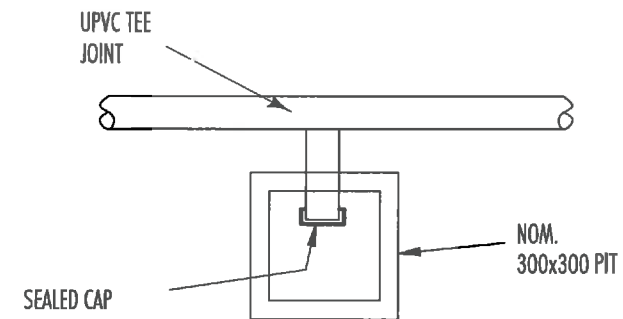
|              |  |
|--------------|--|
| Client:      | McDOUALL   |
| Project:     | PROPOSED UNIT DEVELOPMENT<br>No.33 WATKINS RD.<br>ELEMORE VALE |
| Approved by: |  |
| Drawing No.  | 20514-1  |
| Revision     | A  |



**RAINWATER TANK  
SCHEMATIC ELEVATION**  
NTS



**SCHEMATIC SECTION**  
NTS



**PLAN - CLEANOUT PIT**  
SCALE 1:20

**NOTE:**

1. LOCATION OF TANKS & TANK TYPE CAN BE VARIED TO OWNER'S DIRECTION.
2. ALL WORKS IN ACCORDANCE WITH A.S.3500, COUNCIL DEVELOPMENT CONTROL PLANS, LOCAL WATERBOARD REQUIREMENTS, & PROPRIETARY TANK MANUFACTURER'S RECOMMENDATIONS.
3. ALL STORMWATER LINES TO HAVE ALL JOINTS, INCL. DP CONNECTIONS, FULLY SOLVENT WELDED (AS LINES ARE 'CHARGED')

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Client: McDOUALL

Project: PROPOSED NEW RESIDENCE  
No. 33 WATKINS RD.  
ELEMORE VALE

*[Signature]*  
Approved by

Drawing No.

20514-2

Revision  
A

| No. | Drawn | Date     | Description    | Design |
|-----|-------|----------|----------------|--------|
| 1   | A.H   | 11.07.12 | ORIGINAL ISSUE | M.W    |