

ABBREVIATIONS

DP DOWNSPE
EX EXISTING
FTL FINISHED FLOOR LEVEL
GTD GRATED TRENCH DRAIN
IL INVERT LEVEL
O/F OVERFLOW
RL REDUCED LEVEL
SSD SUBSOL. DRAINAGE
SW STORMWATER
SWP STORMWATER PIT

LEGEND:

Proposed Stormwater Pipe
Existing Stormwater Pipe
Proposed Stormwater Pit
Existing Stormwater Pit

1. Stormwater design criteria – Refer to approved Sub-division design plans by Brown Consulting.
2. Stormwater Pipes generally shall be sewer grade uPVC with solvent welded joints.
3. Subsoil pipes shall be as for stormwater pipes except that they shall be sloped with 3 rows of h/t/m/s slots spaced equidistant around the perimeter and for their full length.
4. Precast pits may be used external to buildings subject to approval by the Engineer.
5. All proposed manholes and junctions to be manufactured fittings.
6. Where subsoil drains pass under floor slabs and vehicular pavements, uncoated uPVC sewer grade pipe is to be used.
7. Grades and covers shall conform with AS 3996-1992.
8. Pipes are to be installed in accordance with AS 3725. All bedding to be type H2 U.N.O.
9. Care is to be taken with levels of stormwater lines. Minimum grade of pipes shall be 1.02 U.N.O.
10. All stormwater pipes to be 100 dia at 10% min fall U.N.O.
11. Adopt invert levels for pipe grades (grades shown are only nominal).
12. Downpipes to be equivalent to 100 DIA U.N.O.

GENERAL NOTES

1. Contractor must verify all dimensions and existing levels on site prior to commencement of works. Any discrepancies are to be reported to the Engineer. 2. Strip all topsoil from the construction area. All stripped topsoil shall be disposed of off-site unless directed otherwise.

3. Make smooth connection with all existing works.

4. Compact subgrade under buildings and pavements to minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1. Compaction under buildings to extend 2m minimum beyond building footprint.

SITEMARKS NOTES

1. All basecourse material to comply with RTA Specification No 3051 and compacted to minimum 98% modified maximum dry in accordance with AS 1289 5.2.1.

2. All trench backfill material shall be compacted to the same density as the adjacent material.

3. All service trenches under vehicular pavements shall be backfilled with an approved saset material and compacted to minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1

DA SUBMISSION

NOTE:
REFER ALSO TO BROWN CONSULTING STORMWATER MANAGEMENT
REPORT NUMBER X12317-01 DATED AUGUST 2012 – FIGURE A2.

450 CUM DETENTION BASIN.
REFER TO BROWN CONSULTING REPORT
X12317-01 FOR CALCULATIONS AND DETAILS.

EX SWP #1 900x600 ON LINE 138
IL: 92.31 AS SHOWN ON
SUBDIVISION STORMWATER PLANS

REFER TO DRAWING HSW01 FOR
ULTIMATE DEVELOPMENT STRATEGY,
INTERIM GREENFIELD SITE COLLECTION
TO SWALE AND DETENTION BASIN.

EXISTING FIRST STAGE
DEVELOPMENT

PROPOSED ADDITIONAL FIRST
STAGE DEVELOPMENT

EX DISCHARGE
TO SWALE

Revision	Description	Date
P1	ISSUED FOR COORDINATION	11/08/12

DBA David Buckle & Associates (NSW) P/L
104 106 222 875
38 Rowe St, Eastwood NSW 2122
Phone: 02 9804-6886 Fax: 02 9804-6885
Building Environmental Services

CLIENT: STONEY ANGLICAN SCHOOLS CORPORATION
PO BOX 465 MURSVILLE QLD 4851
ARCHITECT: BUTLER & CO ARCHITECTS PTY LTD
ARCHITECTS & INTERIORS DESIGNERS
27 ALBERT AVE CHATSWOOD NSW 2067

PROJECT: ORAN PARK ANGLICAN COLLEGE
PROPOSED STAGED DEVELOPMENT

DRAWING TITLE:
HYDRAULIC SERVICES
STORMWATER CONCEPT
FIRST STAGE STRATEGY



Scale	Drawn	Date
1:300	JWL/H	AUG 2012
Sheet	Checked	
A1	DB	
Project No.	Drawing	Revision
2887	HSW-02	P1

0 10 20 30 40 50
100mm ON ORIGINAL SHEET