

12 PERONNE AVENUE, CLONTARF

STORMWATER MANAGEMENT PLAN

DRAWING NUMBER	REVISION	DRAWING TITLE
DR-000	0	LEGEND
DR-001	0	PIPE LAYOUT
DR-002	0	DETAILS
DR-003	0	SITE AREAS

NOTES:

1. ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.

2. SITE LAYOUT BASED ON ARCHITECTURAL PLANS BY WATERSHED DESIGN (FEB 2020).

3. LOCATION OF ALL SERVICES MUST BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.

4. ALL STORMWATER DRAINAGE PIPES AND ASSOCIATED DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE RELEVANT STANDARDS, THE BUILDING CODE OF AUSTRALIA, MANUFACTURER'S RECOMMENDATIONS, SYDNEY CATCHMENT AUTHORITY RECOMMENDED PRACTICE, AND LOCAL COUNCIL, AS APPLICABLE.

5. ALL INVERT LEVELS PROVIDED ON THIS DRAWING ARE REDUCED TO AHD AND BASED ON INTERPOLATED SURFACE LEVELS AND SYSTEM REQUIREMENTS
6. WHERE POSSIBLE, PIPEWORK SHALL BE LOCATED EXTERNAL TO THE BUILDING.

7. DOWNPIPES AND STORMWATER LINES TO BE SEALED DN100 uPVC UNLESS OTHERWISE NOTED.


8. STORMWATER PIPES TO BE GRADED AT A MINIMUM 1% UNLESS NOTED OTHERWISE.


9. ALTERNATIVE GUTTER AND DOWNPIPE CONFIGURATION MAY BE INSTALLED PROVIDED IT COMPLIES WITH AS3500.


10. ALL PIPE AND CONDUITS TO BE MARKED IN ACCORDANCE WITH AS1345 – 1995.


11. TRENCHES AND SERVICE SEPARATIONS IN ACCORDANCE WITH AS/NZS 5601, AS/NZS 3500, AND AS/CA S009.

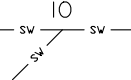
LEGEND:

- 

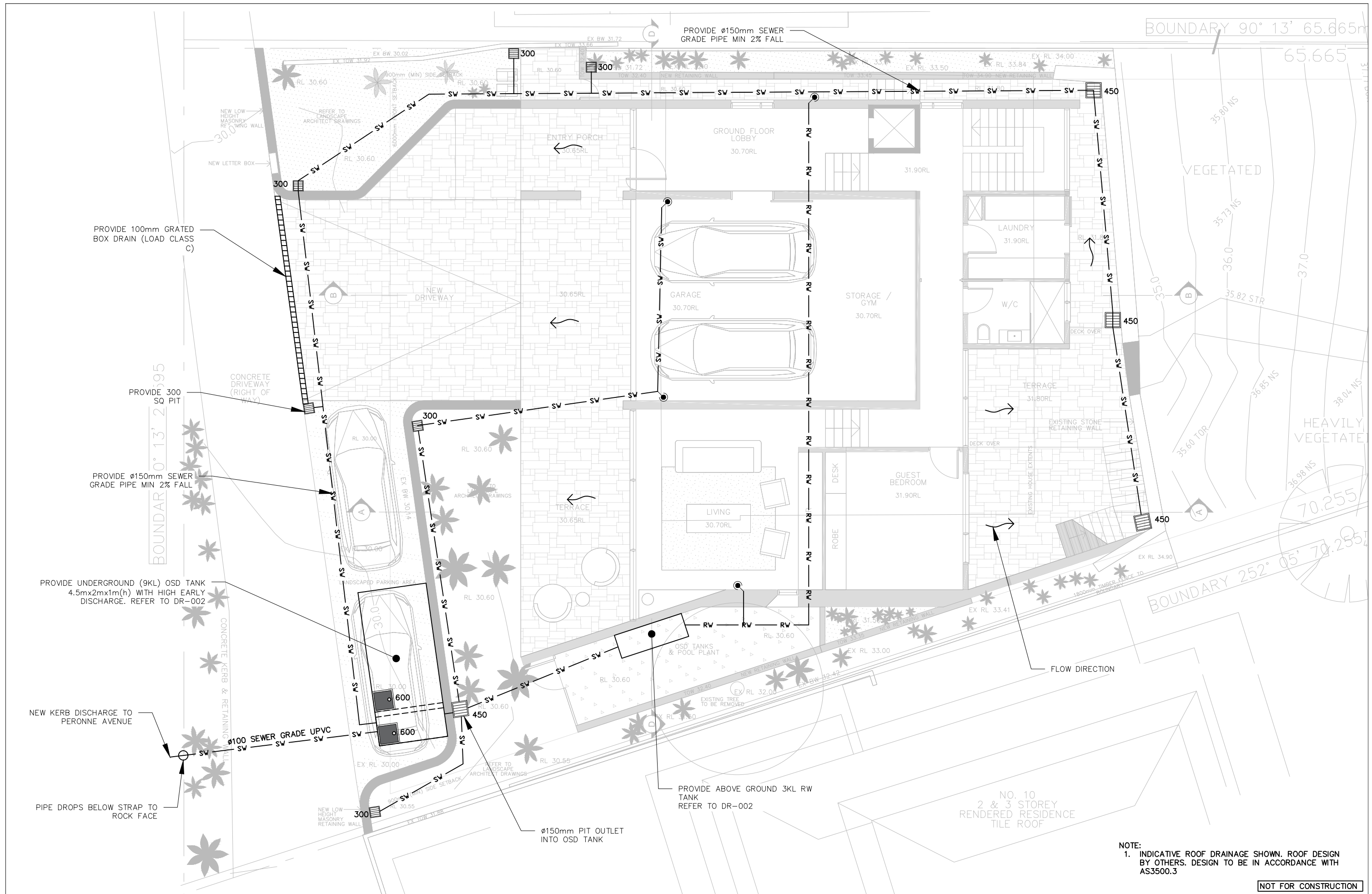
DOWNPIPE
- 

STORMWATER PIPE
- 

RAINWATER PIPE
- 

DRAINAGE PIT
- 

INSPECTION OPENING



NOTE:
1. INDICATIVE ROOF DRAINAGE SHOWN. ROOF DESIGN BY OTHERS. DESIGN TO BE IN ACCORDANCE WITH AS3500.3

NOT FOR CONSTRUCTION

This drawing is confidential and shall only be used for the purposes of this project.				
REVISIONS				
0	SSD	27.02.2020	FOR DA SUBMISSION	LES
No.	BY	DATE	DESCRIPTION	APPD

AS NOTED

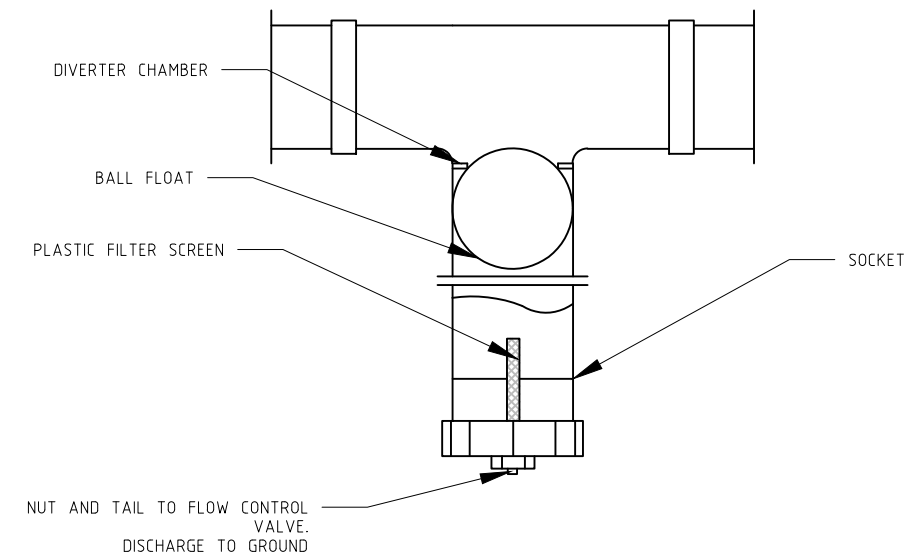
DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED

THE SIGNING OF THIS TITLE BLOCK CONFIRMS THE DESIGN AND DRAFTING OF THIS PROJECT HAVE BEEN PREPARED AND CHECKED IN ACCORDANCE WITH THE STELLEN QUALITY ASSURANCE SYSTEM			
DESIGNED	SSD	CHECKED	LES
DRAWN	SSD	CHECKED	LES
APPROVED	LES	DATE	27.02.2020



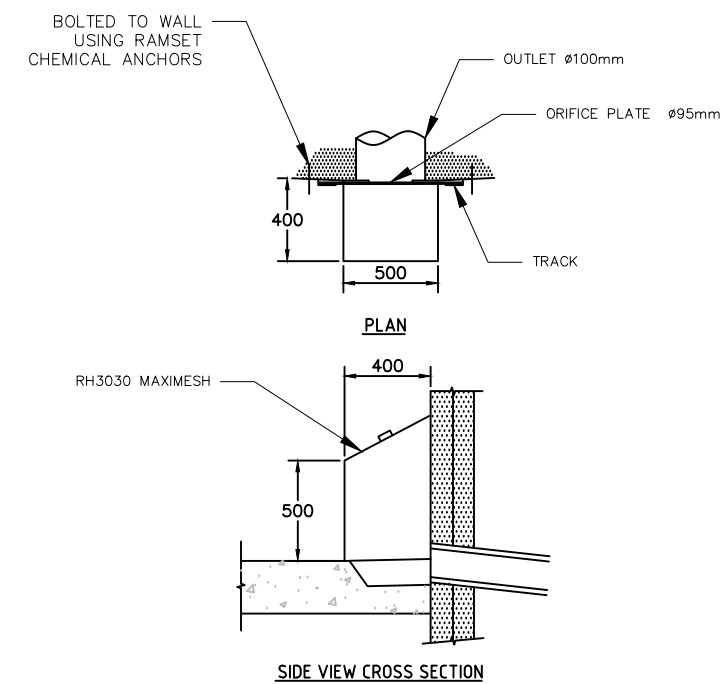
This design complies with:
AS3500.3:2018

12 PERONNE AVENUE, CLONTARF			
PIPE LAYOUT			
Size	A3	Status	FOR DA SUBMISSION.
Drwg No.	DR-001	Rev.	0



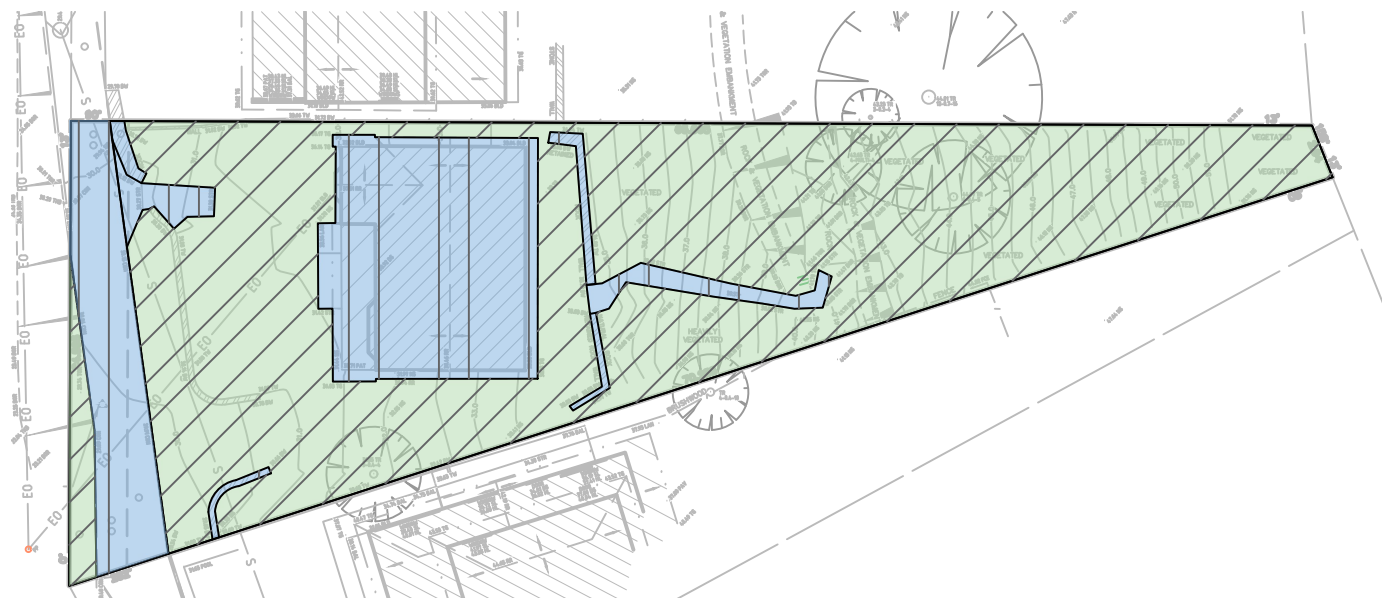
1. THE RAINWATER TANK MUST COLLECT RAIN RUNOFF FROM AT LEAST 140 SQUARE METERS OF THE ROOF AREA OF THE DEVELOPMENT
2. RAINWATER TANK MUST BE CONNECTED TO:
 - 2.1. ALL TOILETS IN THE DEVELOPMENT
 - 2.2. AT LEAST ONE OUTDOOR TAP IN THE DEVELOPMENT
 - 2.3. A TAP THAT IS LOCATED WITHIN 10 METERS OF THE SWIMMING POOL IN THE DEVELOPMENT

NOT TO SCALE



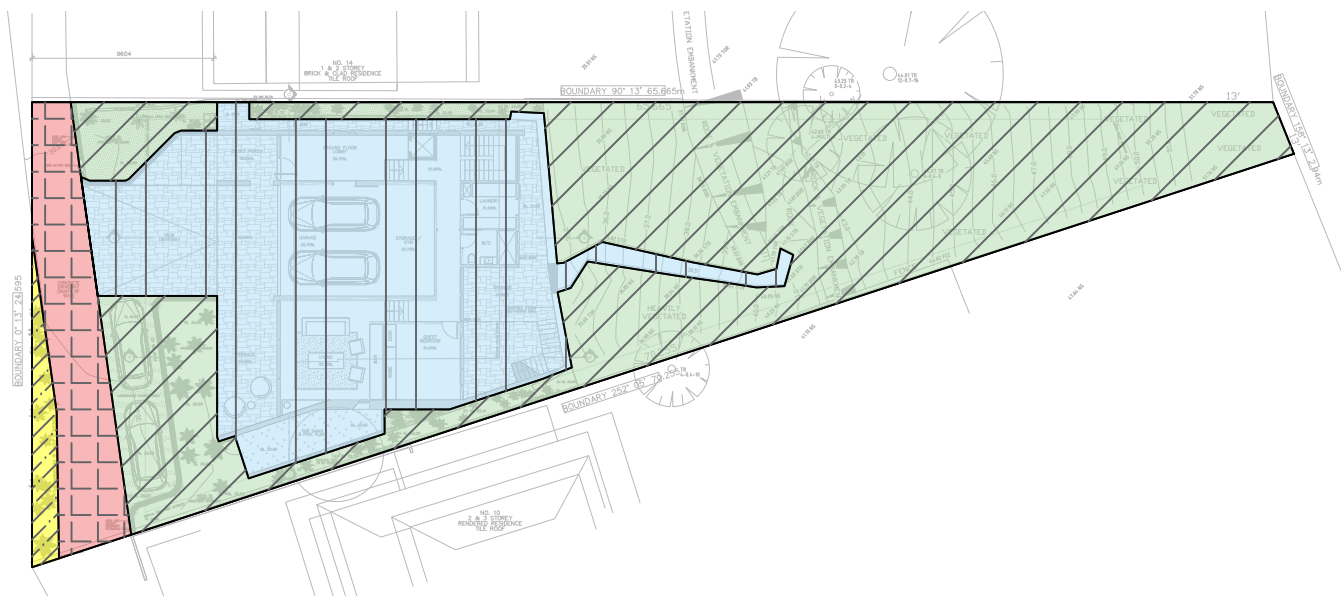
1. REFER TO DR-003 FOR OSD FLOWS UP TO THE 1% AEP STORM EVENT

NOT TO SCALE



PLAN
2

SITE AREAS – EXISTING
1: 400



PLAN
3

SITE AREAS – PROPOSED
1: 400

EXISTING

TOTAL SITE AREA: 910.4m²
PERVIOUS: 663.9m² (73%)
IMPERVIOUS: 246.5m² (27%)

LEGEND

- PERVIOUS
- IMPERVIOUS
- PERVIOUS - BYPASS
- IMPERVIOUS - BYPASS

PROPOSED

TOTAL SITE AREA: 910.4m²

DRAINING TO OSD:
PERVIOUS: 467.2m² (57%)
IMPERVIOUS: 355.4m² (43%)

OSD BYPASS:
PERVIOUS: 16.9m² (19%)
IMPERVIOUS: 70.9m² (81%)

TABLE 1 – OSD FLOWS			
RAIN EVENT	OSD (l/s)	BYPASS (l/s)	TOTAL (l/s)
AREA & % IMPERVIOUS	822.6m ² (43%)	87.8m ² (81%)	–
0.2 EY	17	3	20
5% AEP	17	4	21
1% AEP	18	6	24

- NOTES:
- PSD FLOW CALCULATED FROM "PRE-DEVELOPED" AREA (27% PERVIOUS):24 l/s
 - STORMWATER FLOWS CALCULATED FROM THE SITE ARE RESTRICTED TO THE 0.2EY FOR ALL STORMS UP TO THE 1% AEP EVENT.

NOT FOR CONSTRUCTION