

SITE SPECIFIC
DATA REQUIREMENTS

STRUCTURE ID	1		
WATER QUALITY FLOW RATE (L/S)	-		
PEAK FLOW RATE (L/S)	-		
RETURN PERIOD OF PEAK FLOW (yrs)	-		
# OF CARTRIDGES REQUIRED (8-22)	2		
CARTRIDGE HEIGHT (310, 460 or 690mm)	460		
MEDIA TYPE (PERLITE, PERLITE/ZEOLITE OR ZPG)	ZPG		
PRECAST VAULT WEIGHT	2524 kg		
PRECAST LID WEIGHT	547 kg		
PIPE DATA:	I.L.	MATERIAL	DIAMETER
INLET PIPE #1	20.53	PVC	150
INLET PIPE #2	20.53	PVC	150
INLET PIPE #3	20.53	PVC	150
OUTLET PIPE	20.42	PVC	225
PIPE ORIENTATION			
LADDER		YES/NO	
ANTI-FLOTATION BALLAST	N/A	N/A	
	N/A	N/A	

STORMFILTER TABLE

N.T.S.

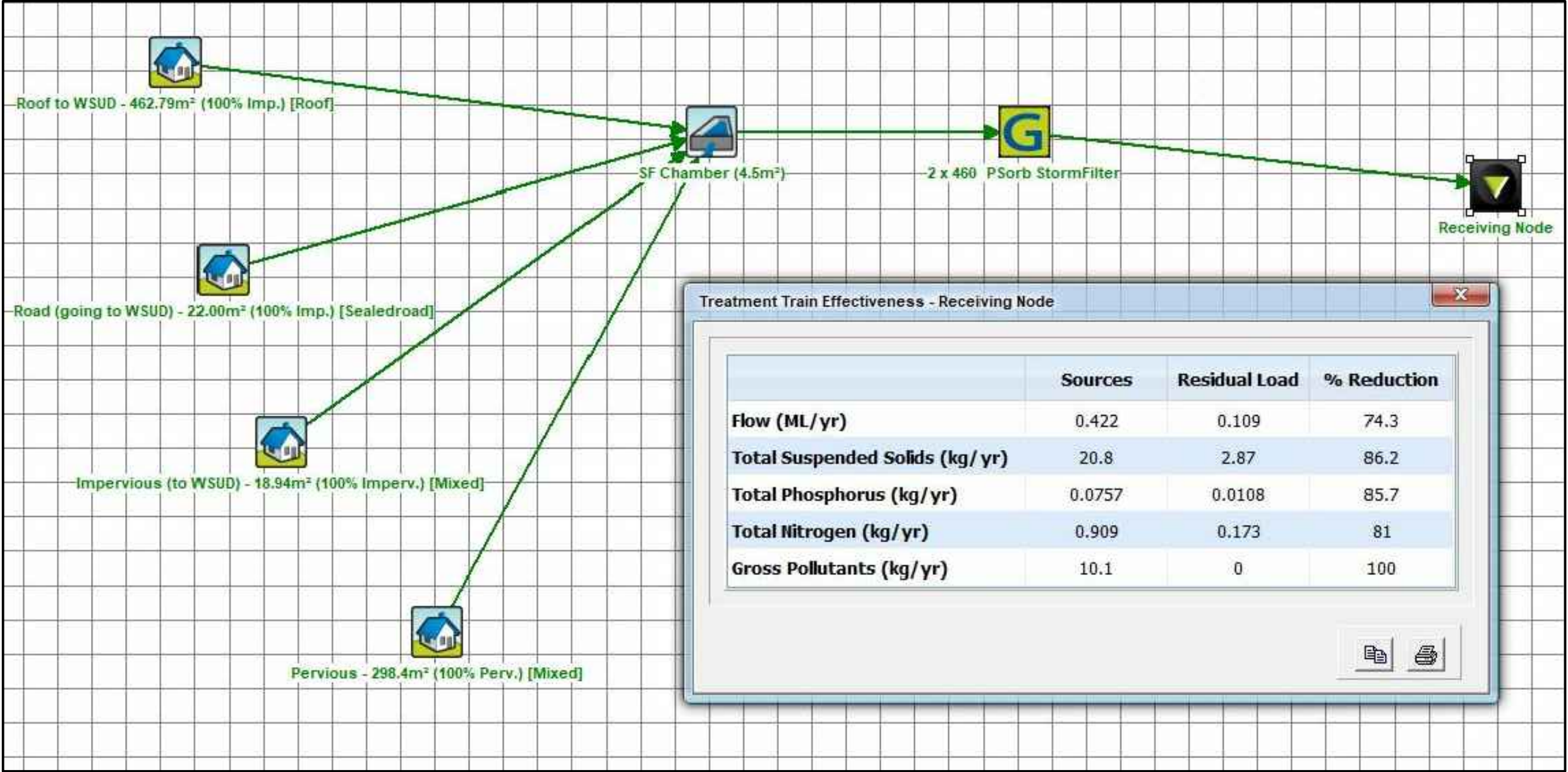
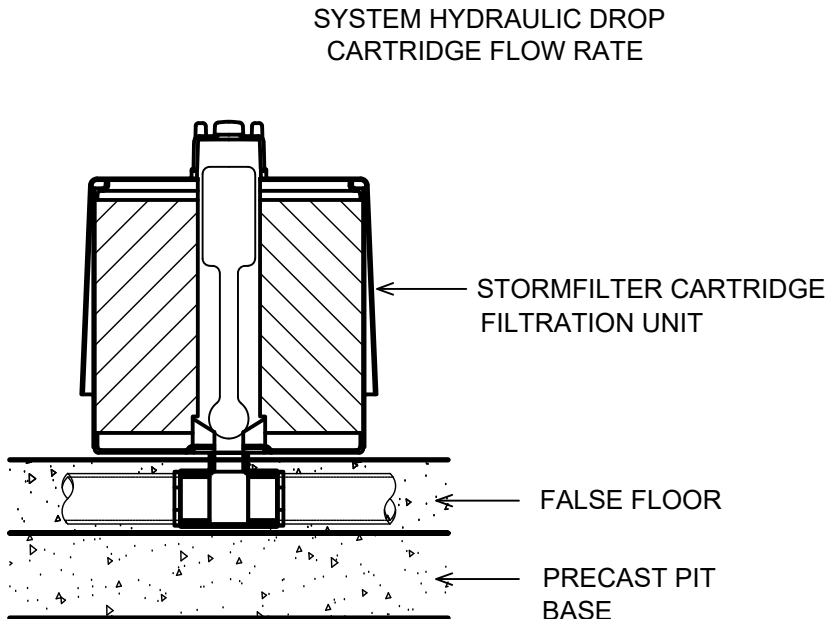
GENERAL NOTES

1. INLET AND OUTLET PIPING SHALL BE SPECIFIED BY SITE CIVIL ENGINEER (SEE PLANS) AND PROVIDED BY CONTRACTOR. STORMFILTER IS PROVIDED WITH OPENINGS AT INLET AND OUTLET LOCATIONS.
2. IF THE PEAK FLOW RATE, AS DETERMINED BY THE SITE CIVIL ENGINEER, EXCEEDS THE PEAK HYDRAULIC CAPACITY OF THE PRODUCT, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED. PLEASE CONTACT STORMWATER360 FOR OPTIONS.
3. THE FILTER CARTRIDGE(S) ARE SIPHON-ACTUATED AND SELF-CLEANING. THE STANDARD DETAIL DRAWING SHOWS THE MAXIMUM NUMBER OF CARTRIDGES. THE ACTUAL NUMBER SHALL BE SPECIFIED BY THE SITE CIVIL ENGINEER ON SITE PLANS OR IN DATA TABLE BELOW. PRECAST STRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH AS3600.
4. FOR SHALLOW, LOW DROP OR SPECIAL DESIGN CONSTRAINTS, CONTACT STORMWATER360 FOR DESIGN OPTIONS.
5. ALL WATER QUALITY PRODUCTS REQUIRE PERIODIC MAINTENANCE AS OUTLINED IN THE O&M GUIDELINES. PROVIDE MINIMUM CLEARANCE FOR MAINTENANCE ACCESS.
6. STRUCTURE AND ACCESS COVERS DESIGNED TO MEET AUSTRROADS T44 LOAD RATING WITH 0-2m FILL MAXIMUM.
7. THE STRUCTURE THICKNESSES SHOWN ARE FOR REPRESENTATIONAL PURPOSES AND VARY REGIONALLY.
8. ANY BACKFILL DEPTH, SUB-BASE, AND OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY SITE CIVIL ENGINEER.
9. STORMFILTER BY STORMWATER360:
SYDNEY (AU) PHONE: (02) 9525 5833,
BRISBANE (AU) PHONE: (07) 3272 1872.

STORMFILTER DESIGN TABLE

- STORMFILTER TREATMENT CAPACITY VARIES BY NUMBER OF FILTER CARTRIDGES INSTALLED AND BY REGION SPECIFIC INTERNAL FLOW CONTROLS. CONVEYANCE CAPACITY IS RATED AT 80L/S.
- THE STANDARD CONFIGURATION IS SHOWN. ACTUAL CONFIGURATION OF THE SPECIFIED STRUCTURE(S) PER CIVIL ENGINEER WILL BE SHOWN ON SUBMITTAL DRAWING(S).
- ALL PARTS PROVIDED AND INTERNAL ASSEMBLY BY STORMWATER360 AUSTRALIA UNLESS OTHERWISE NOTED.

CARTRIDGE HEIGHT	690		460		310	
SYSTEM HYDRAULIC DROP (H - REQ'D. MIN.)	930		700		550	
TREATMENT BY MEDIA SURFACE AREA L/S/m ²	1.4	0.7	1.4	0.7	1.4	0.7
CARTRIDGE FLOW RATE (L/s)	1.42	0.71	0.95	0.47	0.63	0.32



WSUD RESULTS

N.T.S.

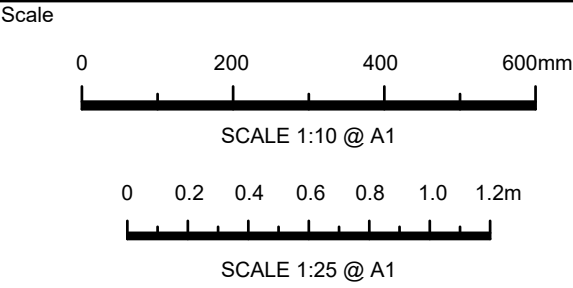
NOT FOR CONSTRUCTION

A	ISSUE FOR DEVELOPMENT APPLICATION	09/12/2020	AGA	JSF
Issue	Description	Date	Design	Checked
10m at full size				

Certification By Dr. Anthony Hasham (NPER):

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Project
**23 - 25 CHARLES STREET, LIVERPOOL
PROPOSED MULTI-UNIT DEVELOPMENT
STORMWATER CONCEPT PLANS
DEVELOPMENT APPLICATION**

Drawing Title
**ON-SITE DETENTION DETAILS
AND CALCULATION SHEETS
SHEET 2 OF 2**

Scale	A1	Project No.	Dwg. No.	Issue
As Shown		200977	103	A