

GENERAL:

- DRAWING TO BE READ IN CONJUNCTION WITH C.31, C.32, C.33, C.34 & C.35.
- WSUD MEASURED DESIGNED IN ACCORDANCE WITH WATERWAYS: WATER SENSITIVE URBAN DESIGN GENERAL CODE - 21 FEBRUARY 2020.

TOTAL EXISTING SITE CONDITIONS FOR BLOCK 1, SECTION 82:

- TOTAL SITE AREA = 58,596m²
- TOTAL PERVIOUS AREA = 58,596m² (100%)
- TOTAL IMPERVIOUS AREA = 0m² (0%)

TOTAL PROPOSED SITE CONDITIONS FOR BLOCK 1, SECTION 82:

1. SUBCATCHMENT 1 - TOTAL CATCHMENT AREA = 17,374M²

- TOTAL PERVIOUS AREAS = 6,927M²
 - TOTAL IRRIGATED LAWN AREAS = 617M²
 - TOTAL PLANTING BED & PERVIOUS FOOTPATH (NON-IRRIGATED) = 5,406M²
 - TOTAL PERVIOUS COURTYARD = 904M²
- TOTAL IMPERVIOUS AREA = 10,447M²
 - TOTAL ROOF AREA = 6,218M²
 - TOTAL VEHICULAR PAVEMENT = 1,413M²
 - TOTAL PEDESTRIAN PAVEMENT = 1,484M²
 - TOTAL PAVED COURTYARD AREA = 1,332M²

2. SUBCATCHMENT 2 - TOTAL CATCHMENT AREA = 21,640M²

- TOTAL PERVIOUS AREAS = 9,918M²
 - TOTAL IRRIGATED LAWN AREA = 1,370M²
 - TOTAL PLANTING BED & PERVIOUS FOOTPATH (NON-IRRIGATED) = 6,764M²
 - TOTAL PERVIOUS COURTYARD = 1,784M²
- TOTAL IMPERVIOUS AREA = 11,722M²
 - TOTAL ROOF AREA = 5,868M²
 - TOTAL VEHICULAR PAVEMENT = 1,438M²
 - TOTAL PEDESTRIAN PAVEMENT = 1,575M²
 - TOTAL PAVED COURTYARD AREA = 2,841M²

3. SUBCATCHMENT 3 - TOTAL CATCHMENT AREA = 11,124M²

- TOTAL PERVIOUS AREAS = 4,668M²
 - TOTAL IRRIGATED LAWN AREA = 0M²
 - TOTAL PLANTING BED & PERVIOUS FOOTPATH (NON-IRRIGATED) = 4,401M²
 - TOTAL PERVIOUS COURTYARD = 267M²
- TOTAL IMPERVIOUS AREA = 6,456M²
 - TOTAL ROOF AREA = 2,295M²
 - TOTAL VEHICULAR PAVEMENT = 2,131M²
 - TOTAL PEDESTRIAN PAVEMENT = 1,262M²
 - TOTAL PAVED COURTYARD AREA = 768M²

4. SUBCATCHMENT 4 - TOTAL CATCHMENT AREA = 8,459M²

- TOTAL PERVIOUS AREAS = 4,303M²
 - TOTAL IRRIGATED LAWN AREA = 0M²
 - TOTAL PLANTING BED & PERVIOUS FOOTPATH (NON-IRRIGATED) = 3,843M²
 - TOTAL PERVIOUS COURTYARD AREA = 460M²
- TOTAL IMPERVIOUS AREA = 4,156M²
 - TOTAL ROOF AREA = 1,996M²
 - TOTAL VEHICULAR PAVEMENT = 1,049M²
 - TOTAL PEDESTRIAN PAVEMENT = 295M²
 - TOTAL PAVED COURTYARD AREA = 816M²

- TOTAL SITE AREA = 58,596M²

5.1. TOTAL PERVIOUS AREA = 25,815M² (44%)

- TOTAL SITE IRRIGATED LAWN AREA = 1,987M²
- TOTAL SITE PLANTING BED & PERVIOUS FOOTPATH = 20,413M²
- TOTAL SITE PERVIOUS COURTYARD = 3,415M²

5.2. TOTAL IMPERVIOUS AREA = 32,781M² (56%)

- TOTAL SITE ROOF AREA = 16,377M²
- TOTAL SITE VEHICULAR PAVEMENT AREA = 6,288M²
- TOTAL SITE PEDESTRIAN PAVEMENT AREA = 4,359M²
- TOTAL SITE PAVED COURTYARD AREA = 5,757M²

WATERWAYS GENERAL CODE - STATEMENT OF COMPLIANCE:

R1: 40% MAINS WATER USE REDUCTION:

- WATER REDUCTION CALCULATIONS HAVE BEEN UNDERTAKEN ON A SITE WIDE BASIS.
- TO ASSESS WATER USE REDUCTION REQUIREMENTS, THE MULTI-UNIT RESIDENTIAL CALCULATOR HAS BEEN USED AS THE PROJECT IS PROPOSED TO BE RESIDENTIAL ONLY. NO COMMERCIAL ALLOCATION PROPOSED.
- TO ACHIEVE WATER USE REDUCTION REQUIREMENTS, THE FOLLOWING FIXTURE RATING ARE REQUIRED:

RESIDENTIAL:	STAR RATING
SHOWER HEADS	4 STAR (> 6 FLOW L/MIN < 7.5 AS PER EPSDD SPREADSHEET)
CLOTHES WASHING MACHINES	3 STAR
DISHWASHERS	5 STAR
TOILETS	4 STAR

COMMERCIAL: NO COMMERCIAL ALLOCATION PROPOSED.

ASSOCIATED WITH THE ABOVE STAR RATINGS OF FIXTURES, THE ROOF WATER AND RETENTION IS TO BE REUSED FOR GARDEN IRRIGATION.

- REFER TO DRAWING C.33 FOR FULL WATER REDUCTION CALCULATIONS ASSOCIATED WITH THE DEVELOPMENT.

R2: ON-SITE STORMWATER RETENTION:

- THE PROPOSED SITE IS GREATER THAN 2,000m² AND THEREFORE REQUIRES ON-SITE RETENTION.
- 1.4KL OF SITE STORAGE IS REQUIRED PER 100m² OF IMPERVIOUS AREA.
- R2 IS ADDRESSED ON A SITE WIDE BASIS:
 - 32,781m² OF IMPERVIOUS AREA REQUIRES 459kL OF OSR.
 - THE TOTAL RETAINED VOLUME IS TO BE REUSED TO IRRIGATE A MAXIMUM OF 19,000m².
 - OSR IS PROVIDED IN A DISTRIBUTED NETWORK ACROSS SITE ON A SUBCATCHMENT BASIS. REFER TO DRAWINGS C.34 & C.35 FOR DETAIL.

R3: ON-SITE STORMWATER DETENTION:

- THE PROPOSED SITE IS GREATER THAN 2,000m² AND THEREFORE REQUIRES ON-SITE DETENTION.
- 1.0KL OF SITE STORAGE IS REQUIRED PER 100m² OF IMPERVIOUS AREA.
- R3 IS ADDRESSED ON A SITE WIDE BASIS:
 - 32,781m² OF IMPERVIOUS AREA REQUIRES 328kL OF OSD.
 - ALL STORMWATER DETAINED ON-SITE IS TO BE RELEASED OVER A PERIOD OF 6 HOURS AFTER THE STORM EVENT.
 - OSD IS PROVIDED IN A DISTRIBUTED NETWORK ACROSS SITE ON A SUBCATCHMENT BASIS. REFER TO DRAWINGS C.34 & C.35 FOR DETAIL.

R4: STORMWATER QUANTITY FOR MAJOR ROADS:

- DOES NOT APPLY AS THE PROPOSED DEVELOPMENT IS NOT A MAJOR ROAD.

C5: ON-SITE STORMWATER DETENTION FOR EDP'S:

- DOES NOT APPLY AS THE PROPOSED DEVELOPMENT IS NOT AN ESTATE.

R6: STORMWATER QUALITY:

- R6 IS ACHIEVED THROUGH THE INSTALLATION OF 3 x SPEL HYDROSYSTEM 1000'S AT THE LOCATION OF THE 3 STORMWATER TIES. REFER TO MUSIC MODEL EXTRACT.

R7: STORMWATER QUALITY - MAJOR ROADS:

- DOES NOT APPLY AS THE PROPOSED DEVELOPMENT IS NOT A MAJOR ROAD.

C8: NUISANCE FLOODING:

- OVERLAND FLOW PATHS ARE TO BE PROVIDED ON-SITE TO ACHIEVE:
 - ACCOMMODATE OVERLAND STORMWATER FLOWS UP TO THE 1% AEP.
 - REDUCE NUISANCE FLOODING.

R9: GREEN LIVING - INFRASTRUCTURE:

- THE PROPOSED SITE IS GREATER THAN 2,000m².
 - THE SITE CURRENTLY ACHIEVES 20% PERMEABILITY BASED ON THE PROPOSED LANDSCAPE AREAS AND THEREFORE ADDRESSES THE REQUIREMENTS OF R9. REFER TO C.32 FOR DETAIL.

R10: WATER INFRASTRUCTURE:

- NO WSUD INFRASTRUCTURE IS PROPOSED TO BE HANDED BACK TO THE ACT GOVERNMENT.

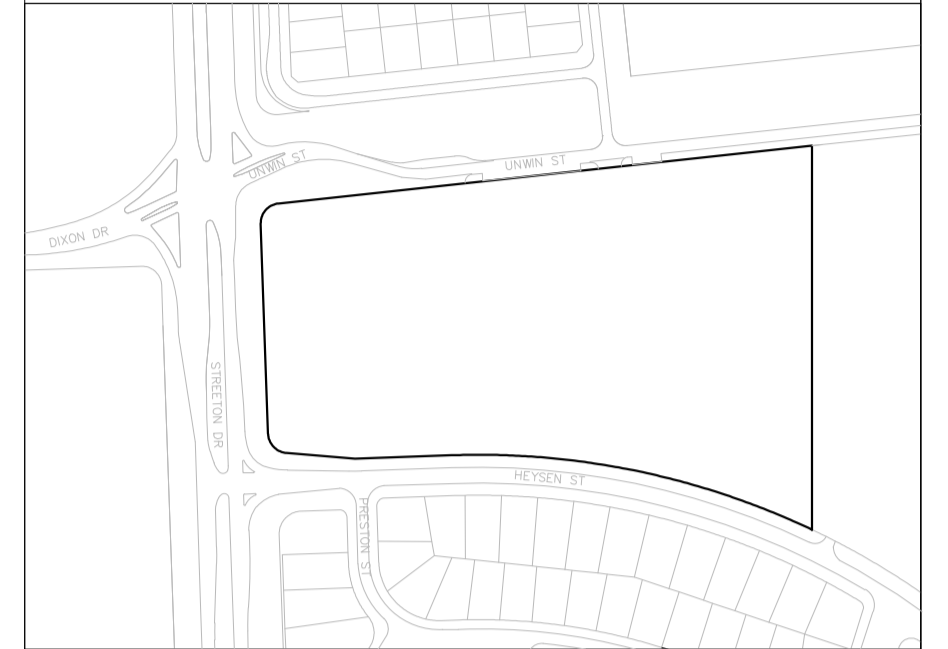
LEGEND

SERVICE	EXISTING	PROPOSED	INFRASTRUCTURE	EXISTING	PROPOSED
WATER MAIN	eW				
SEWER MAIN	eS				
SEWER RISING MAIN	eSRM				
STORMWATER MAIN	eSW	SW			
GAS MAIN	eG				
ELECTRICITY	eE				
ELECTRICITY UG/HV	eUG/HV				
ELECTRICITY UG/LV	eUG/LV				
STREETLIGHT MAIN	eSL				
OPTUS MAIN	eOP				
TELSTRA MAIN	eT				
TRANSACT MAIN	eTA				
COMMUNICATIONS	eC				
ABANDONED SERVICE	x-x-ww-x-x				
BLOCK BOUNDARY	---				

DISCIPLINE: CIVIL SERVICES

REV	ISSUE	CHK'D	APP'D	DATE
6	PRELIMINARY	S.S.	S.S.	16/03/22
7	PRELIMINARY	S.S.	S.S.	26/07/22
8	PRELIMINARY	S.G.	S.G.	18/08/22

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Vital Design Solutions
HYDRAULIC CIVIL FIRE

Canberra - Ground floor, 20 Spongolite Street, Beard ACT 2620
Melbourne - Level 22, 535 Bourke Street, Melbourne Vic 3000
Tel: 02 6297 2765 Email: admin@vdsol.com.au ABN: 45 151 340 788
Fax: 02 6299 2316 Web: vdsol.com.au ACN: 151 340 788

ARCHITECT

CLIENT

PROJECT
**WESTON VILLAGE
BLOCK 1 SECTION 82
UNWIN STREET
WESTON ACT**

DRAWING TITLE
**WSUD & STORMWATER
NOTES AND DETAILS**

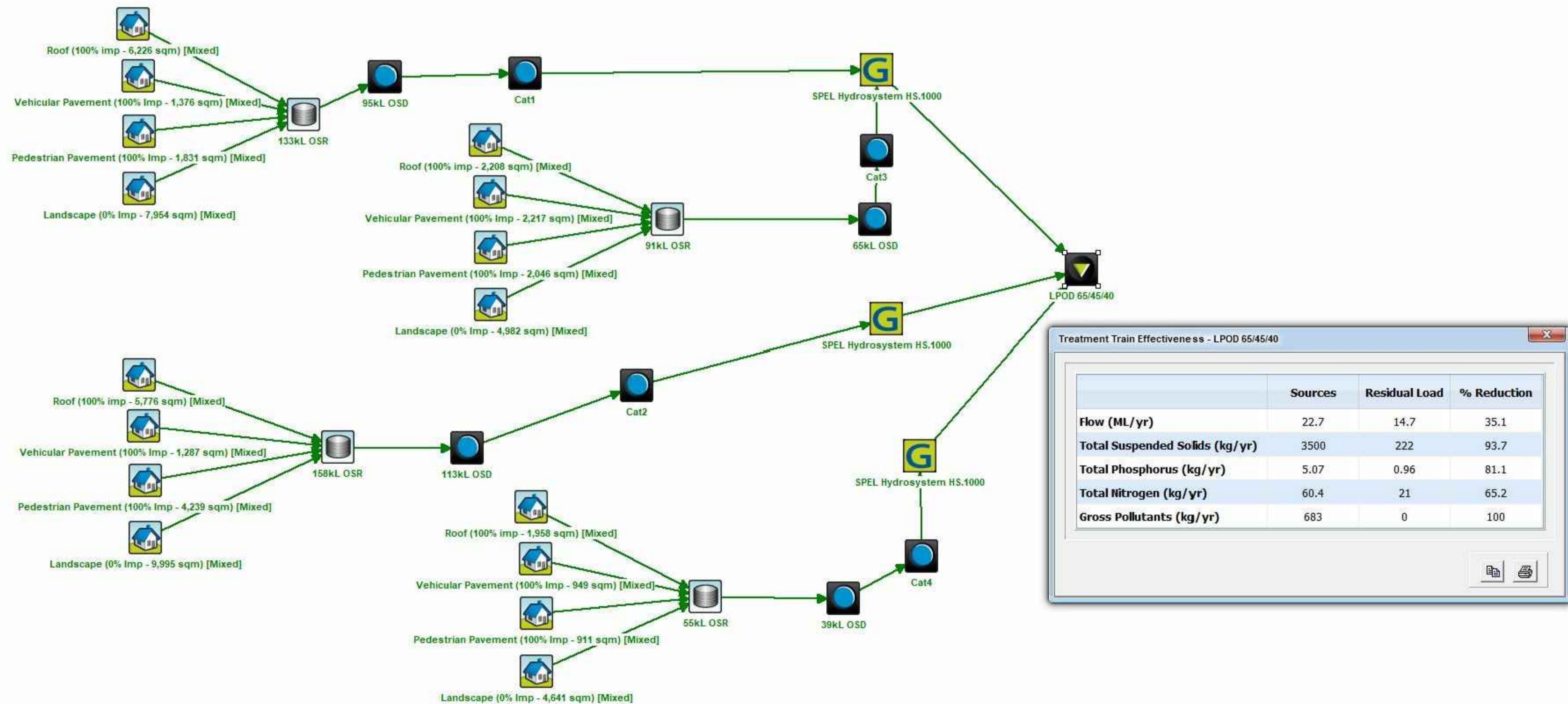
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JOB REFERENCE: VS21063
DRAWING NUMBER: C.30

DESIGNED: S.GWYNNE
DRAFTED: E.PEARSON

SCALE: NTS
SCALE: NTS SIZE: A1

ISSUE: NOT FOR CONSTRUCTION
REVISION: 8



MUSIC MODEL EXTRACT