

NOTE:

- WSUD INFORMATION AND MODELING PROVIDED BY ALLUVIUM CONSULTING.

ARI event	Existing	Developed	WSUD intervention
3-month (m3/s)	0.07	0.43	0.04
5 year (m3/s)	0.26	1.64	0.19

To existing stormwater network (minor and major flows related to pre-development levels)

High flows bypassed to an on-site detention tank (sized for major storm event, not subtracting flow expected to be pumped)

Divert 0.1 m3/s to treatment asset via pump, with provision for backup pump

Existing quarry pond converted to accommodate a sediment basin (SB), wetland and pond. Maintenance access provided through parkland

Asset	Pond	Wetland	Sediment Basin
Treatment area (m2)	1500	1050	250
Volume (m3)	1500	420	250

	TSS	TP	TN
% reduction target	60	45	40
% target achieved	63.3	45.8	54.7

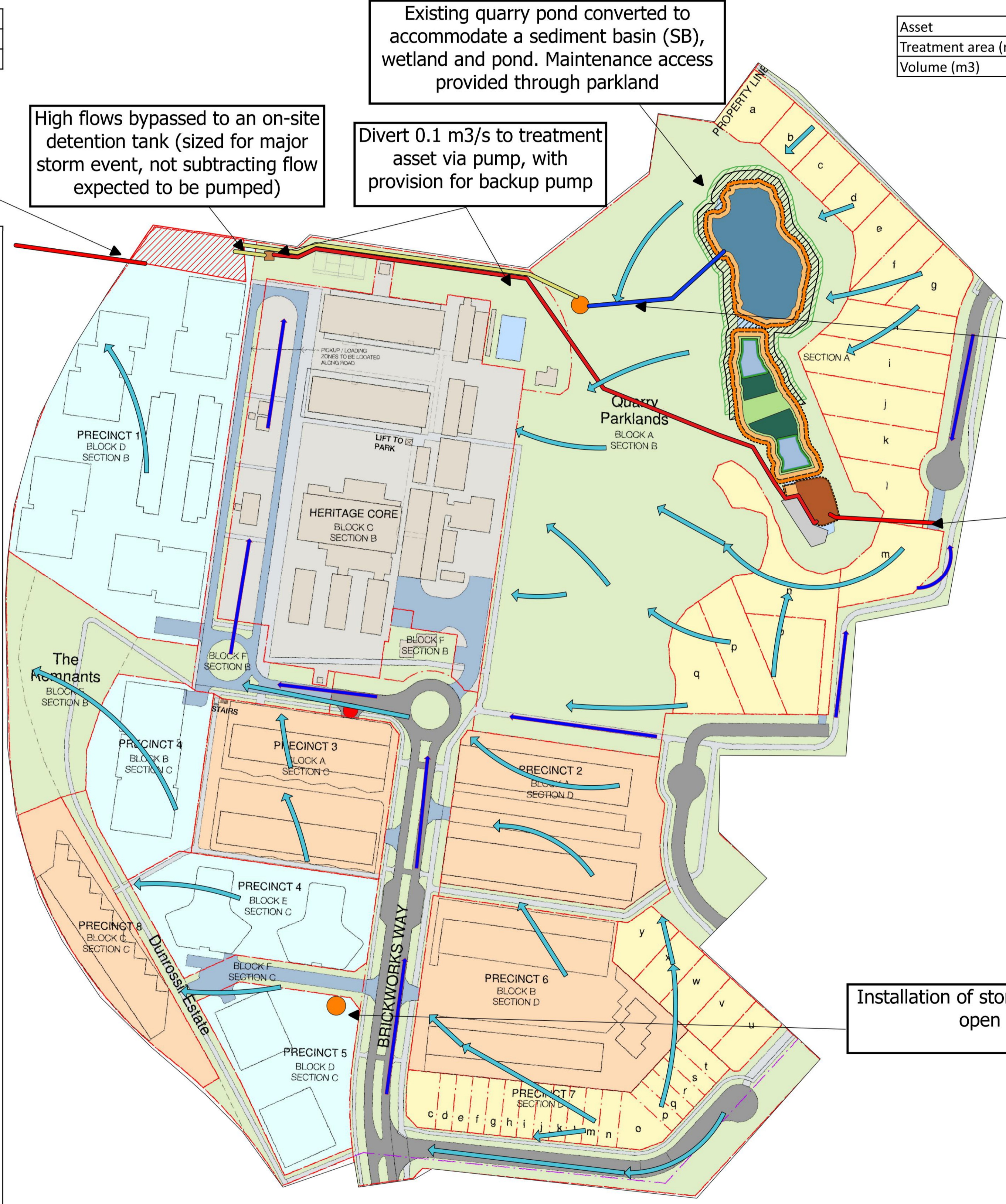
Treated stormwater to enter the on-site retention tank (500 kL) for landscape irrigation purposes.

Flows upto ARI 5 years / AEP 20% from 'single dwelling 'T6-T20' nd road runoff diverted to treatment assets via gravity feed.

Installation of storage tanks (200 kL) for local open space irrigation

Legend

- Shallow marsh
- Deep marsh
- Submerged marsh
- Sediment Dewatering Zone
- Inlet pools
- Extended Detention Depth
- Top of Batter
- Pedestrian access
- Indicative overland flow path
- Access Track
- WSUD pipe network
- Diversion pipe
- High flow bypass
- Irrigation pipe
- WSUD Civil Asset
- On-Site detention tank
- Pump
- On-Site retention tank
- Stormwater flow



Status **NOT FOR CONSTRUCTION**

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Rev	Description	Date	Drawn By
C	EDP SUBMISSION	06.09.2023	MN
B	BOUNDARIES AND ROAD AL-04 REVISED	20.12.2019	DA
A	ESTATE DEVELOPMENT PLAN - 30%	18.12.2019	DA

Scales



Client Logo

DOMA

Original Size	A1	Drawn By	DA	Drafting Check	DCA
Date Plotted	7-Sep-23	Designed By	AE	Design Check	BC
Coordinate System	STROMLO GRID	Approved	BC	Approved Date	16/12/2019
Height Datum	AHD	Approved Signature			

Project Name and Location
THE CANBERRA BRICKWORKS
 BLOCKS 1,7 & 20 SECTION 102

Drawing Title
WATER SENSITIVE URBAN DESIGN
DESIGN OUTCOMES PLAN SHEET 1

Project Number	Type	Discipline	Drwg No.	Sub-No.	Rev
191148	DRG	CIV	10	01	C

File Name: P:\2019\191148_Yarralumla-Brickworks\04_CAD\4.2_Drawings\GVA\EDP\191148-drg-civ-10-01.dwg