

23 May 2025

Gyde Consulting

Dear Parisa Sheikhi

Alterations and Additions to Waverley College - On Site Detention Tank Design Amendment

The Alterations and Additions to Waverley College State Significant Development Application (SSDA) is currently going through the appropriate consultation process. During the consultation process the project team continued to progress the design to better manage on-site environmental considerations.

An OSD tank is required as part of the stormwater management strategy for the project. OSD tanks are a Waverley Council requirement to temporarily store stormwater runoff on site and then slowly release the captured stormwater into the council drainage network at a reduced rate. This has a positive benefit for the local community through reducing the rate of stormwater runoff in line with Waverley Council flood mitigation strategy.

As part of the SSDA submission the OSD criteria and design was documented within the project Integrated Water Management Plan (IWMP). The latest revision of this report is Revision 07 dated 30th of August 2024.

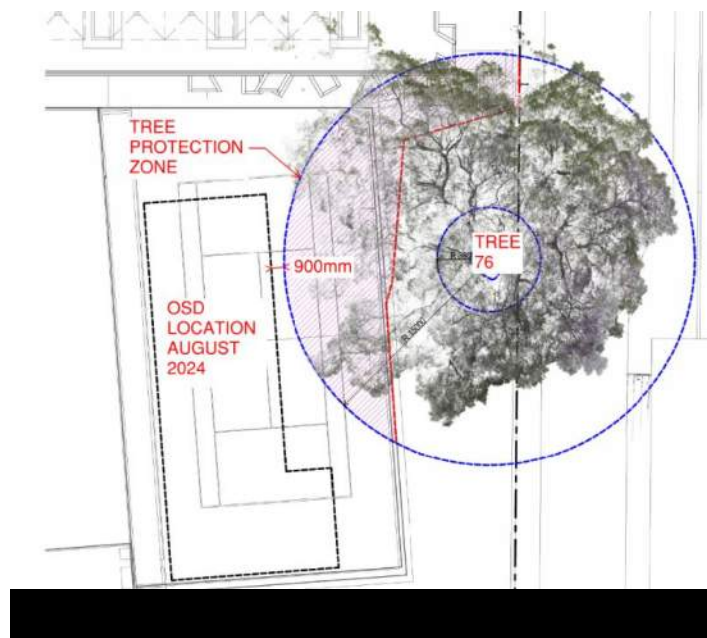
This letter has been provided as an addendum to Revision 07 of the IWMP and summarises the changes to the proposed onsite stormwater detention (OSD) location that has occurred during the SSDA review process.

SSDA submission (August 2024)

The figure below demonstrates the OSD design at the time of SSDA submission and shows its position relative to tree 76.

Features of the OSD include;

1. OSD is located outside of tree protection zone for Tree 76
2. OSD eastern wall 900mm from edge of tree protection zone of Tree 76
3. Total surface area of OSD is 300m²
4. OSD is proposed as precast segments to minimise disruption during construction



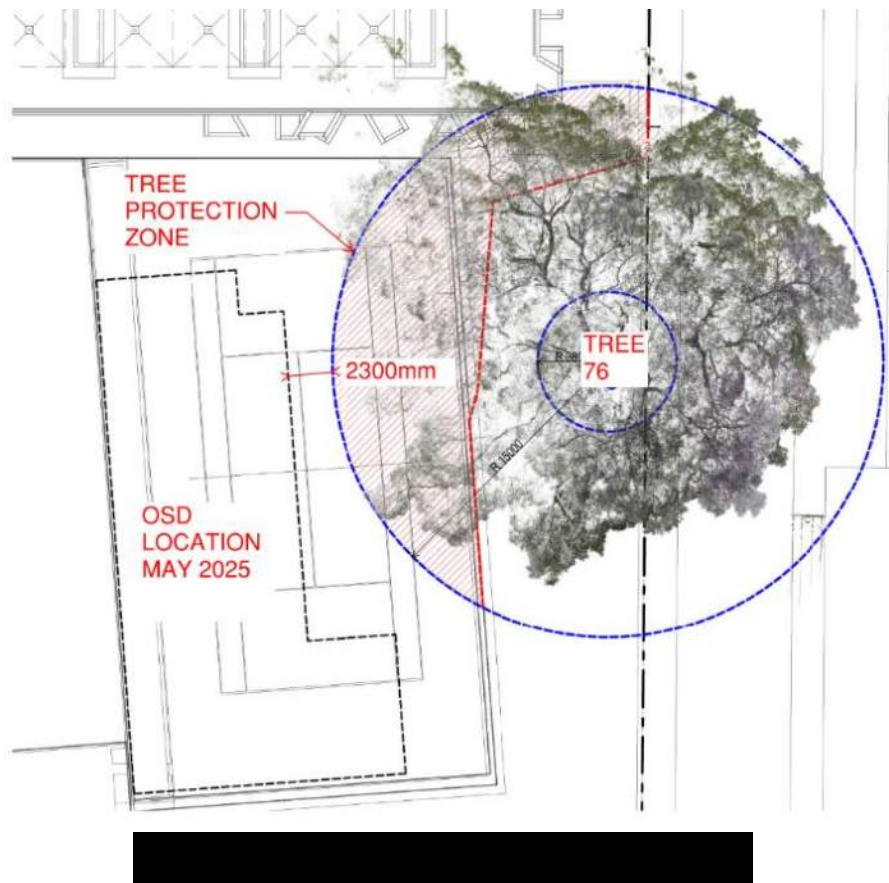
Current design (May 2025)

The figure below demonstrates the OSD design at the time of response to submissions and shows its position relative to tree 76.

The key change to design is a shift of the OSD tank 1.4m West further away from the tree protection zone.

Features of the OSD include;

1. OSD is located outside of tree protection zone for Tree 76
2. OSD eastern wall 2300mm from edge of tree protection zone of Tree 76
3. Total surface area of OSD is 310m²
4. OSD is proposed as precast segments to minimise disruption during construction



Comparison

The figure below shows a comparison of the SSDA location (August 2024) and the latest location (May 2025). This figure shows that the OSD has moved an additional 1.4m west further away from the tree protection zone of tree 76.

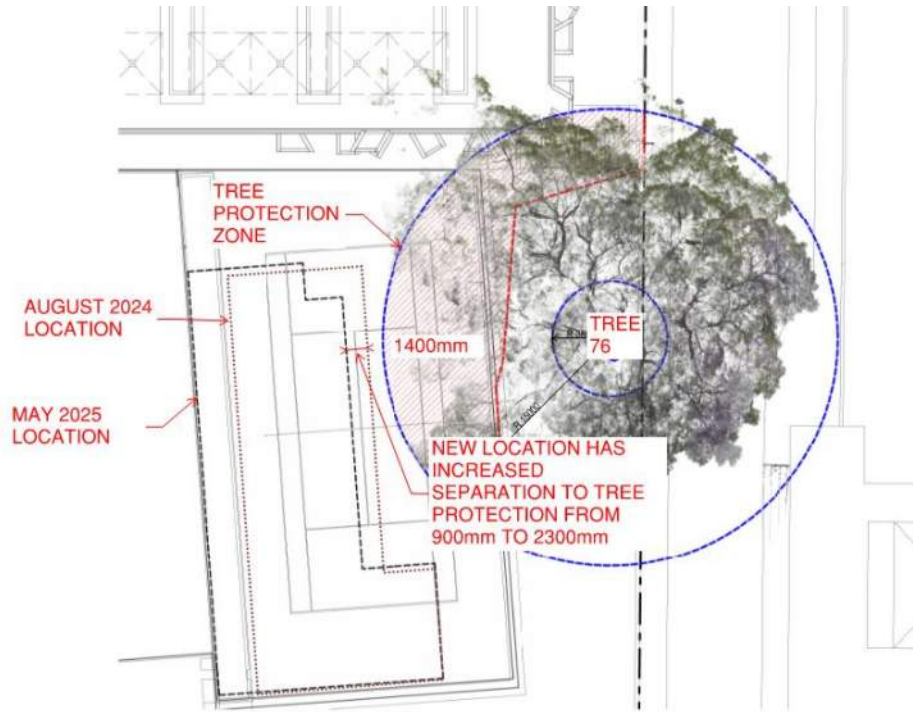


Figure 3 Comparison of SSDA to May 2025 OSD location

Impact to IWMP Revision 07 and SSDA submission

The location change of the project OSD impacts drawing 60675600-SHT-00-1000-CI-0631 (Stormwater Drainage Typical OSD Tank Sections). This drawing summarises the location and design of the project OSD. The latest drawings is attached to this letter.

The proposed change discussed in this addendum does not impact any sections or calculations discussed in IWMP Revision 07.

Yours faithfully

Zac Jones
Principal Civil Engineer



UNDERGROUND OSD TANK VOLUME PROVIDED = 420m³ SURFACE AREA = 280m² PEAK WATER LEVEL = 88.36m
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34 ATLAN MEGAVULT MODULES @2m INTERVAL HEIGHT
SURFACE AREA* = 280m²
EXCLUDING COLUMNS

— 375mm DIA RCP
INLET PIPE. IL 87.46

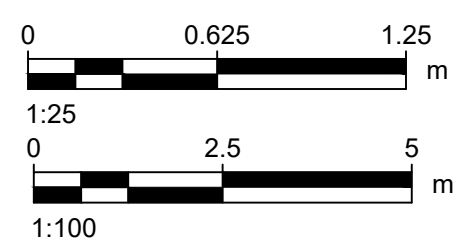
450mm DIA RCP
OUTLET PIPE. IL 86.60

AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

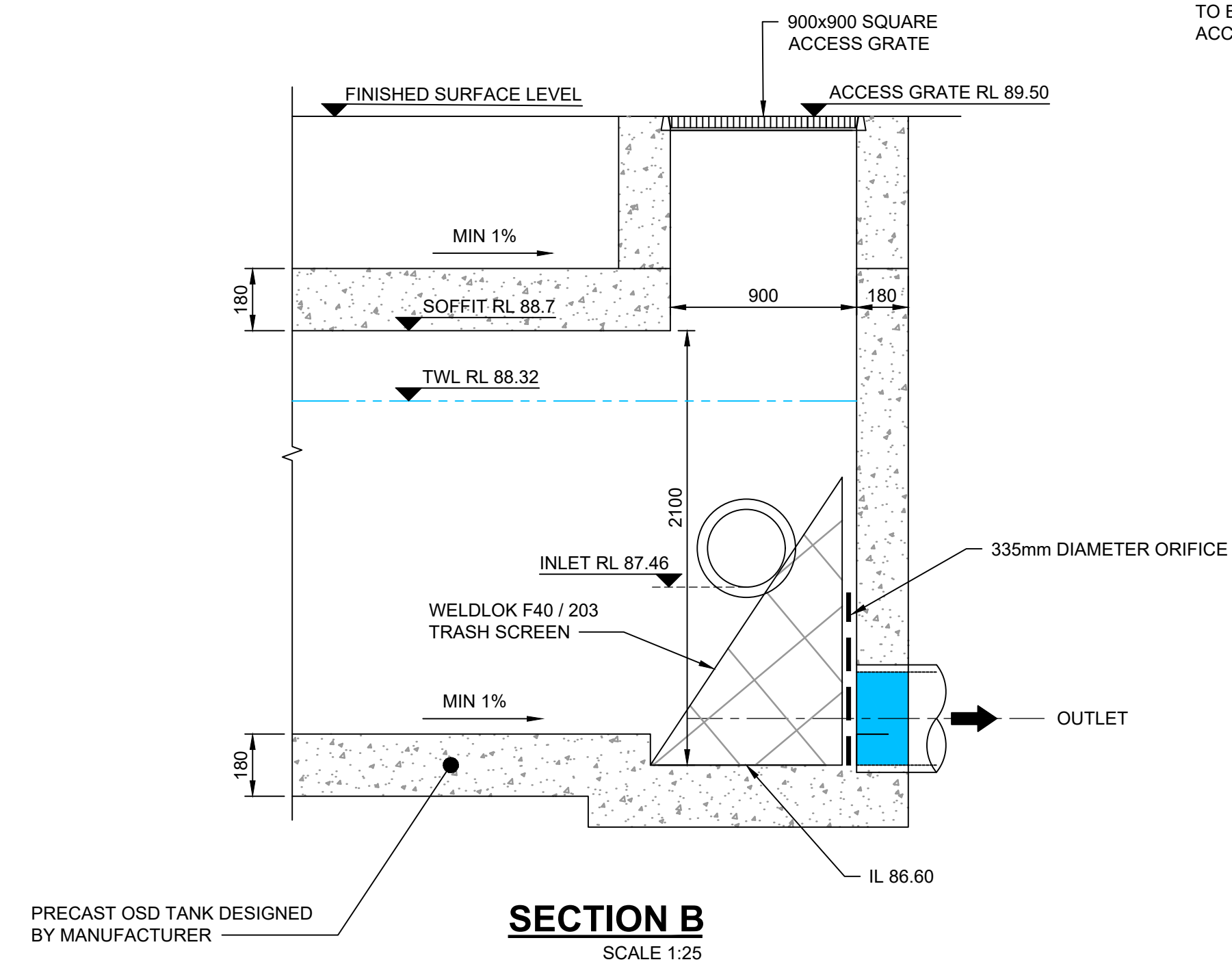
WC Bldg 1 - Phase 1
131 Birell St, Waverley
NSW, 2024



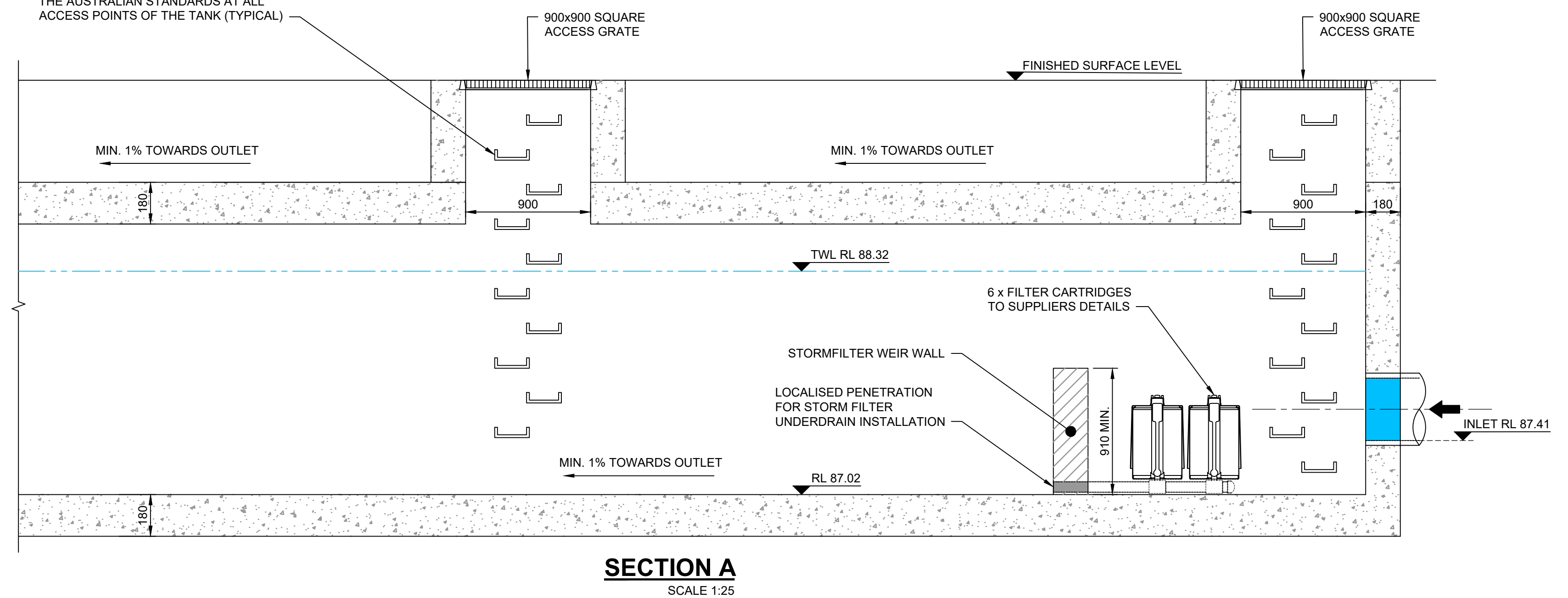
SCALE BAR



1. ACCESS AND MAINTENANCE INTO PITS TO COMPLY WITH WAVERLEY COUNCIL WATER MANAGEMENT TECHNICAL MANUAL SECTION 6.4 REQUIREMENTS.
2. STORMWATER FIT OUT FOR WATER QUALITY TREATMENT BY OCEAN PROTECT OR EQUIVALENT.
3. OSD SIGNAGE AND CONFINED SPACE DANGER SIGNAGE TO BE POSTED AS PER WAVERLEY COUNCIL WATER MANAGEMENT TECHNICAL MANUAL ATTACHURE L. CONFINED SPACE DANGER SIGN TO BE POSTED AT ALL ACCESS POINTS ON THE PROPOSED ADJACENT FENCE.
4. OSD TANK STRUCTURE TO BE DESIGNED BY PRECAST MANUFACTURER (ATLAN MEGAVALT SYSTEM OR APPROVED EQUIVALENT). ROOF SYSTEM TO BE SUPPORTED BY INTERNAL COLUMNS (NOT WALLS) TO ALLOW ACCESS AND MAINTENANCE THROUGHOUT THE TANK.



PROVIDE GALVANIZED STEP IRONS AT 300mm CENTRES IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS AT ALL ACCESS POINTS OF THE TANK (TYPICAL)



This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the AECOM quality assurance system to ISO 9001-2000.

DATUM	GDA 2020 (TRUNCATED)
SURVEY	AHD DERIVED

05	23.05.2025	ISSUED FOR SSDA APPROVAL
04	20.12.2024	DRAFT 80% CONSTRUCTION DESIGN
03	18.10.2024	DRAFT 40% CONSTRUCTION DESIGN
02	15.07.2024	DETAILED DESIGN
01	29.05.2024	DETAILED DESIGN
I/R	DATE	DESCRIPTION

60675600-SHT-00-1000-CI-0631