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**INDICATIVE AREA OF WORKS** 

**AZUSA SEKKI** 

NIHON UNIVERSITY

AUSTRALIA NEWCASTLE CAMPUS PROJECT

9 CHURCH STREET, NEWCASTLE

CONCEPT STORMWATER DESIGN COVER SHEET



LOCALITY PLAN

CIVIL DRAWINGS				
NUMBER	TITLE			
81019007-CI-100	COVER SHEET			
81019007-CI-120	STORMWATER MANAGEMENT PLAN			
81019007-CI-125	TYPICAL SECTIONS AND DETAILS			
81019007-CI-130	EROSION AND SEDIMENT CONTROL PLAN AND DETAILS			

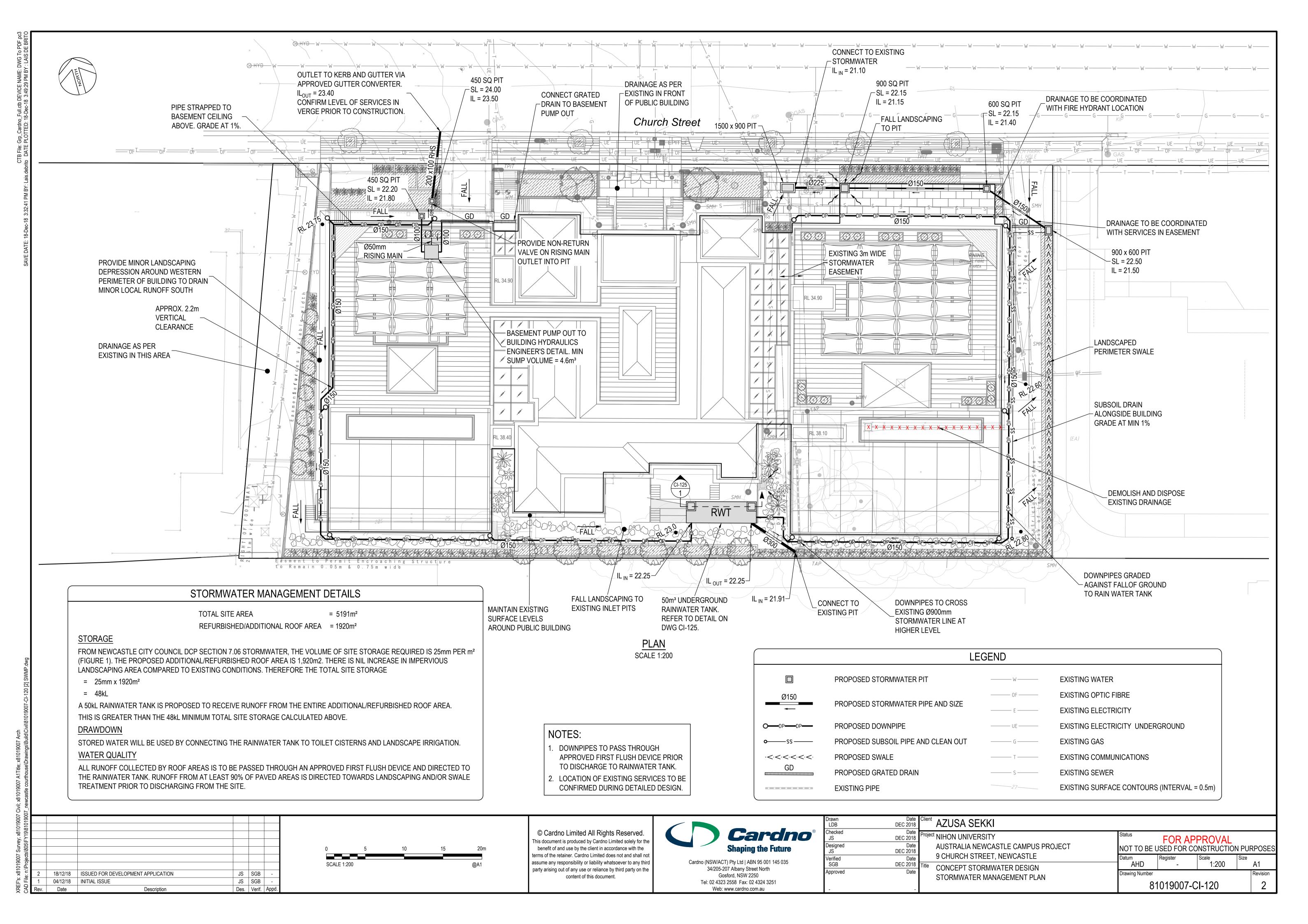
2	18/12/18	ISSUED FOR DEVELOPMENT APPLICATION	JS	SGB	-
1	04/12/18	INITIAL ISSUE	JS	SGB	-
Rev.	Date	Description	Des.	Verif.	Appd.

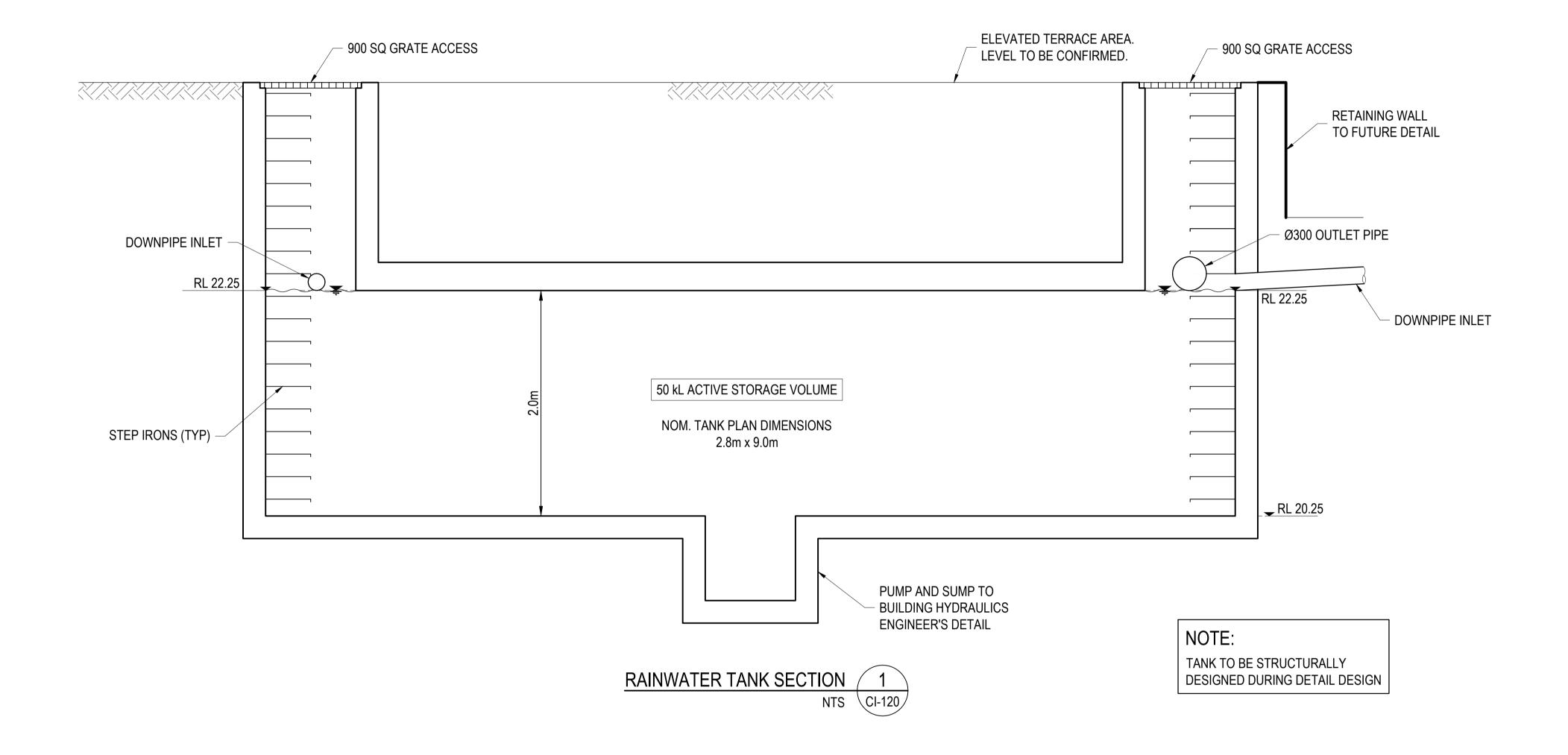
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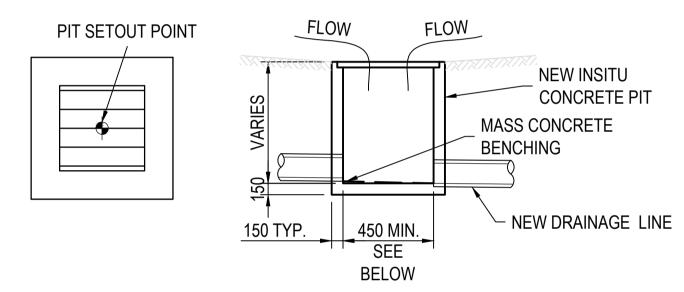
Drawn LDB	Date DEC 2018
Checked JS	Date DEC 2018
Designed JS	Date DEC 2018
Verified SGB	Date DEC 2018
Approved	

Status							
FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSE							
Datum	Register -	Scale 1:1500	Size A1				
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81019007-CI-100







## GRATED SURFACE INLET PIT DETAIL

450 x 450 PLAN INTERNAL PIT DIMENSIONS FOR PITS LESS THAN OR EQUAL TO 600 DEEP 600 x 600 PLAN INTERNAL PIT DIMENSIONS FOR PITS 601 TO 900 DEEP 600 x 900 PLAN INTERNAL PIT DIMENSIONS FOR PITS 901 TO 1200 DEEP 900 x 900 PLAN INTERNAL PIT DIMENSIONS FOR PITS GREATER THAN 1200 DEEP

## PIT CONSTRUCTION NOTES:

- 1. DIMENSIONS ARE IN MILLIMETRES.
- 2. DO NOT SCALE DRAWING.
- 3. CONCRETE COMPRESSIVE STRENGTH F'c = 25 MPa.
- 4. SIDE WALLS OF ALL PITS DEEPER THAN 1500 ARE TO BE REINFORCED WITH ONE LAYER OF SL82 MESH CENTRALLY FOLDED 300 INTO BASE. HORIZONTAL CORNER BARS CONSISTING OF N12 AT 400 CENTRES WITH CORNER LEGS 400 LONG SHOULD BE INSTALLED AT ALL FOUR CORNERS FOR THE FULL HEIGHT OF PIT.
- 5. DEPTH OF PIT NOT TO EXCEED 3500.
- 6. PITS DEEPER THAN 1200 TO BE FITTED WITH GALVANISED STEP IRONS.
- 7. ALL EXPOSED PIT EDGES TO BE ROUNDED WITH 20 RADIUS.
- 8. GRATING AND FRAME TO BE WELDLOK GALVANISED STEEL SUMP GRATE OR APPROVED **EQUIVALENT. GRATING TO BE AS FOLLOWS:**

- ROADWAYS ..... CLASS D - CARPARKING ..... CLASS D - LANDSCAPING ...... CLASS B

- 9. SHAPE ADJACENT SURFACE AREAS TO ASSIST WATER COLLECTION.
- 10. PRECAST CONCRETE PITS MAY BE SUBSTITUTED SUBJECT TO APPROVAL.
- 11. BUILD INTO UPSTREAM FACE OF ALL PITS A 3 METRE SUBSOIL LINE FALLING INTO PITS TO MATCH PIT INVERT.

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