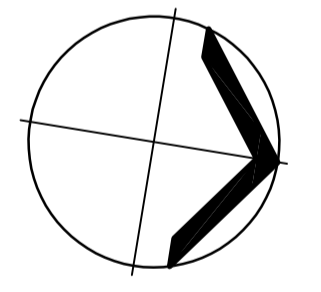


**PAVEMENT LEGEND:**

	PEDESTRIAN CONCRETE PAVEMENT
	GENERAL DUTY VEHICULAR ASPHALT PAVEMENT
	PAVER/BRICK PAVEMENT
	PROPOSED DECK. REFER STRUCTURAL DWGS FOR DETAILS
	VEHICULAR CONCRETE PAVEMENT

- NOTES:**
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT CONSULTANTS DRAWINGS, SPECIFICATIONS & REPORTS.
  - REFER TO ARCHITECTS DRAWINGS FOR ANY TREES TO BE REMOVED OR RETAINED AND FOR ANY TREE PROTECTION REQUIREMENTS.
  - SAWCUT EXISTING HARD SURFACES PRIOR TO EXCAVATION TO PROVIDE CLEAN EDGE FOR NEW PAVING TO MATCH (TYPICAL).
  - REFER SERVICES DRAWINGS FOR DOWNPIPE REQUIREMENTS ON NEW BUILDINGS, WALKWAYS & FOR CONNECTION OF DPT'S TO WATER TANKS. CONTRACTOR TO ALLOW TO CONNECT ALL DOWNPIPES TO EITHER THE WATER TANK OR THE UNDERGROUND DRAINAGE SYSTEM. UNLESS OTHERWISE SHOWN ON THE SERVICES DRAWINGS REFER TO PLUMBING INDUSTRY COMMISSION (www.pic.gov.au) TECHNICAL SOLUTIONS/ROOF PLUMBING/TORNAWATER DRAINAGE - CHARGED SYSTEMS TO RAINWATER TANKS FOR FURTHER DETAILS. ALL DOWNPIPES DENOTED DPT TO BE CONNECTED TO AN ADJACENT TANK.
  - TANK BASE TO BE AS PER MANUFACTURERS REQUIREMENTS (TYPICAL).
  - CONTRACTOR TO ALLOW TO CAP OFF & SEAL ANY REDUNDANT DRAINS AS A RESULT OF THE DEMOLITION OF EXISTING BUILDINGS.
  - DOOR THRESHOLD RAMPS TO BE 280mm LONG @ 1 in 8 (MAX.) 35mm FALL IN ACCORDANCE WITH AS 1428.
  - REFER STRUCTURAL DWGS FOR SAFETY IN DESIGN (SID) NOTES & REQUIREMENTS (TYP).
  - CONTRACTOR TO ALLOW TO SET FOOTINGS DOWN TO MIN. 200mm BELOW UVS OF ALL EXTERNAL PAVEMENT. (LEVEL VARES)



**CIVIL WORKS**  
SCALE 1:150

**LEGEND:**

	EXISTING LEVEL		PROPOSED BOLLARD
	EXISTING INVERT LEVEL		PROPOSED BIO-RETENTION SWALE
	PROPOSED TOP OF PIT (COVER LEVEL)		PROPOSED AGI DRAIN
	PROPOSED INVERT LEVEL		PROPOSED STORMWATER DRAIN
	PROPOSED FINISHED SURFACE LEVEL		DENOTES EXISTING SERVICES TO BE DEMOLISHED
	PROPOSED EARTHWORKS BENCH LEVEL		PROPOSED STORMWATER PIT, REFER PIT SCHEDULE FOR DETAILS.
	PROPOSED TOP OF RETAINING WALL LEVEL (TRW)		OVERLAND FLOW PATH WITH FLOW DIRECTION AND HIGH POINT
	PROPOSED BOTTOM OF RETAINING WALL LEVEL (BRW)		PROPOSED RETAINING WALLS (RW1 & RW2), REFER DRAWINGS FOR DETAILS.
	PROPOSED DOWNPIPE		PROPOSED ACO K200 TRENCH GRATE OR GRATED DRAIN, MIN. 200MM DEPTH WITH SLOPING CHANNEL TO DRAINAGE OUTLETS. H.D. & HEELGUARD SAFE GRATE.
	PROPOSED DOWNPIPE CONNECTED TO WATER TANK		PROPOSED ACO K190 TRENCH GRATE OR GRATED DRAIN, MIN. 150MM DEPTH WITH SLOPING CHANNEL TO DRAINAGE OUTLETS. L.D. & HEELGUARD SAFE GRATE.
	PROPOSED GRATED INLET		CONSTRUCTION JOINT IN PAVEMENT
	PROPOSED FLUSHING POINT		SAWCUT JOINT IN PAVEMENT
	PROPOSED INSPECTION OPENING		DOWELLED CONSTRUCTION JOINT IN PAVEMENT
			WEAKENED PLANE JOINT IN PAVEMENT
			DOWELLED EXPANSION JOINT IN PAVEMENT
			TROWELLED JOINT IN PAVEMENT

	PROPOSED BARRIER KERB, REFER DRAWINGS FOR DETAILS.		DENOTES EXISTING DRAINAGE/STORMWATER SERVICES
	PROPOSED FLUSH KERB, REFER DRAWINGS FOR DETAILS.		DENOTES EXISTING TELSTRA/COMMUNICATION SERVICES
	PROPOSED SPOON DRAIN, REFER DRAWINGS FOR DETAILS.		DENOTES EXISTING WATER SERVICES
	PROPOSED PAVEMENT THICKENED EDGE (CTE), REFER DWG FOR DETAILS.		DENOTES EXISTING FIRE SERVICES
	CONSTRUCTION JOINT IN PAVEMENT		DENOTES EXISTING GAS SERVICES
	SAWCUT JOINT IN PAVEMENT		DENOTES EXISTING ELECTRICAL SERVICES
	DOWELLED CONSTRUCTION JOINT IN PAVEMENT		DENOTES EXISTING SEWER SERVICES
	WEAKENED PLANE JOINT IN PAVEMENT		DENOTES EXISTING FIRE HYDRANT
	DOWELLED EXPANSION JOINT IN PAVEMENT		DENOTES EXISTING LIGHT POLE
	TROWELLED JOINT IN PAVEMENT		PROPOSED KERB & CHANNEL, REFER DRAWINGS FOR DETAILS.

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**WARNING**  
BEWARE OF UNDERGROUND SERVICES  
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

**DISCLAIMER:**  
PLEASE NOTE THIS WGA DRAWING HAS BEEN PREPARED USING ARCHITECTURAL BACKGROUNDS AND LAYOUTS, SURVEY INFORMATION AND/OR 'AS BUILT' BACKGROUNDS AS SUPPLIED BY OTHERS. WGA CAN NOT ENSURE THAT THE INFORMATION SHOWN IS ACCURATE AND ENTITIES USING THESE DRAWINGS ACCEPT ALL LIABILITY IN THE USE OF THIS INFORMATION. WGA WILL NOT ACCEPT ANY LIABILITY FOR INACCURACIES IN THE INFORMATION PROVIDED. THIS DRAWING MUST NOT BE USED FOR SET OUT PURPOSES UNDER ANY CIRCUMSTANCES.

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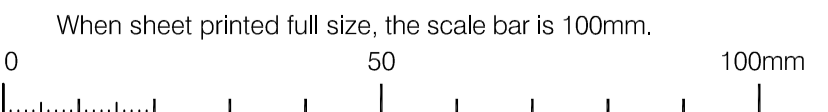
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B	12.05.21	TOWN PLANNING ISSUE	RZ	RZ
A	16.04.21	DD ISSUE	RZ	RZ
REV.	DATE	DESCRIPTION	DRAFT	ENG. CHKD

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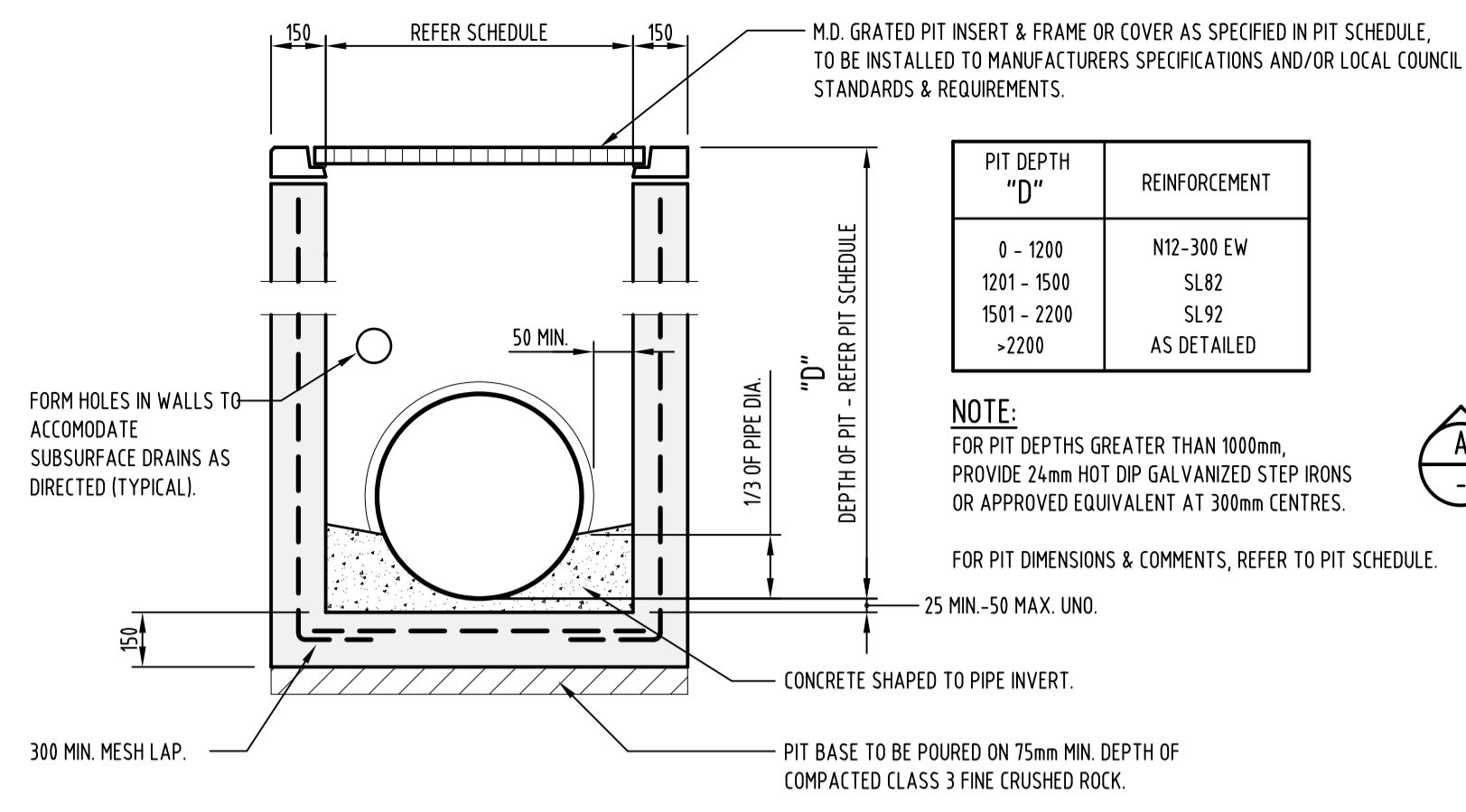
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Design RZ Drawn RZ **WGA201630-DR-CV-0002** C

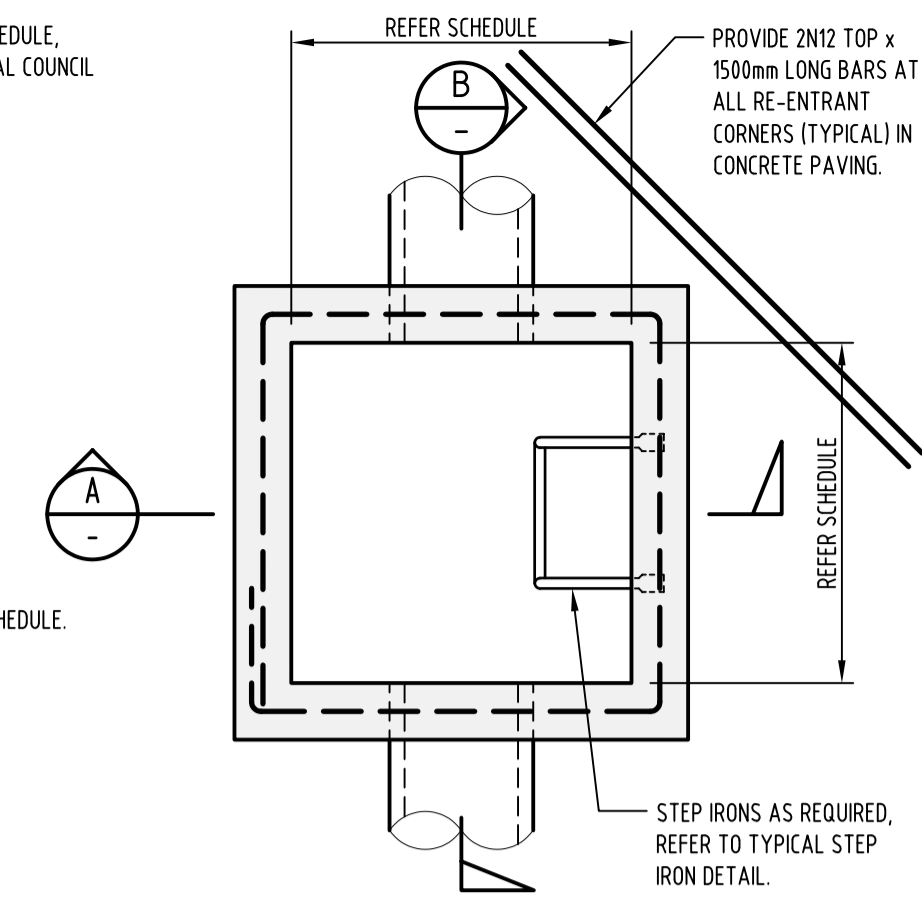


**ADVERTISED PLAN**

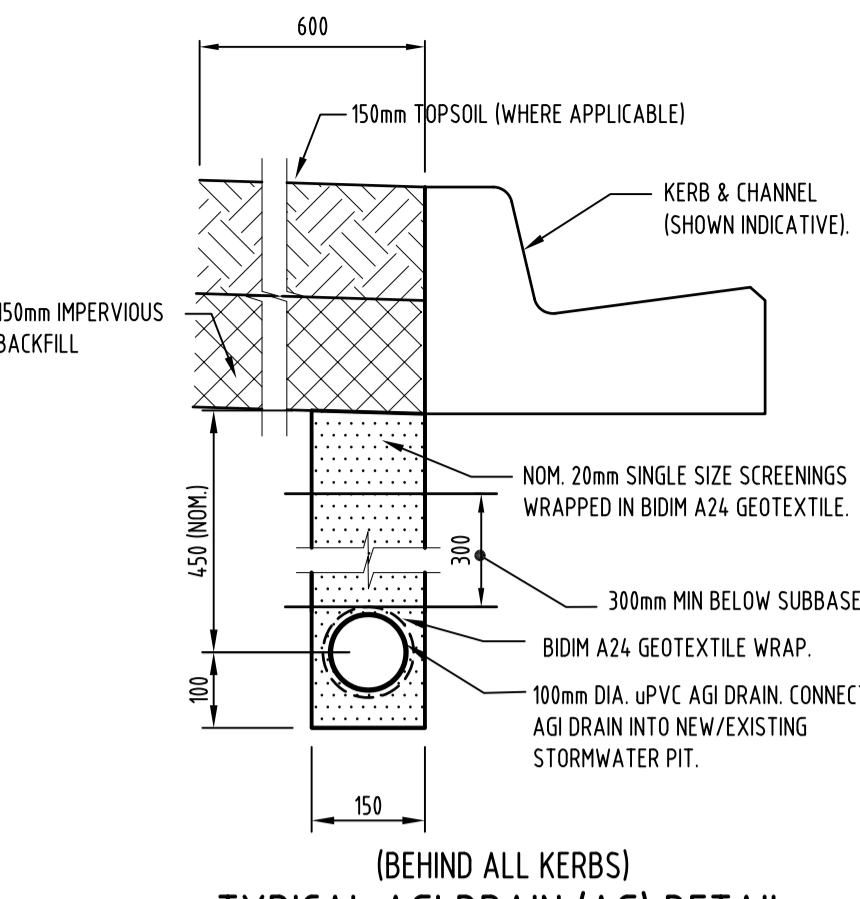
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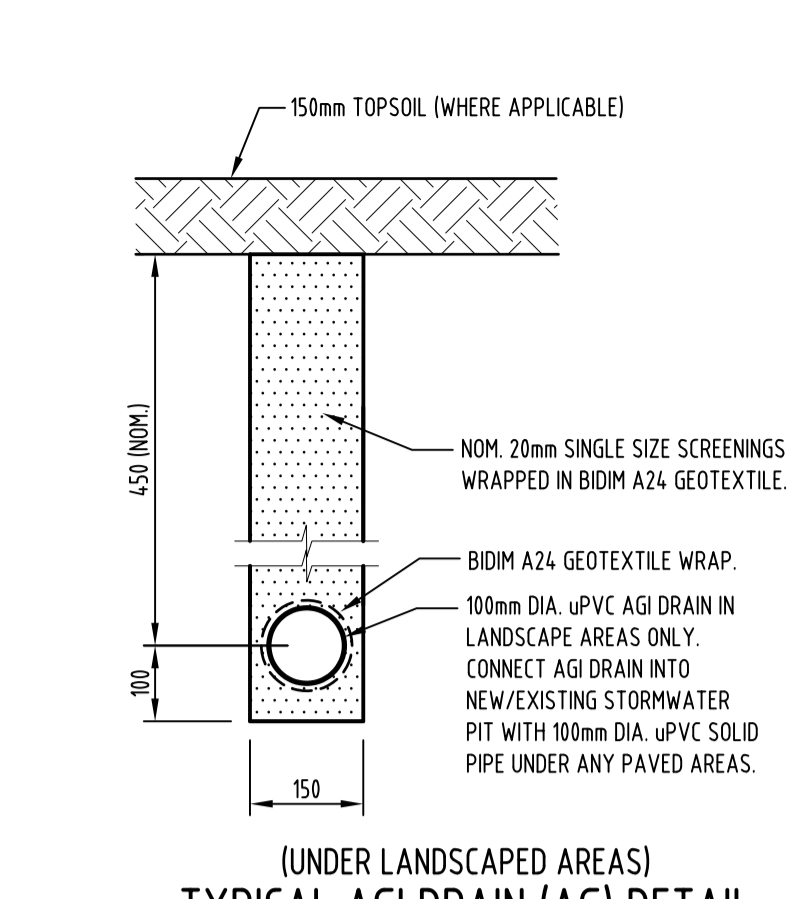
**GRATED/JUNCTION PIT DETAIL**  
SCALE - 1:20



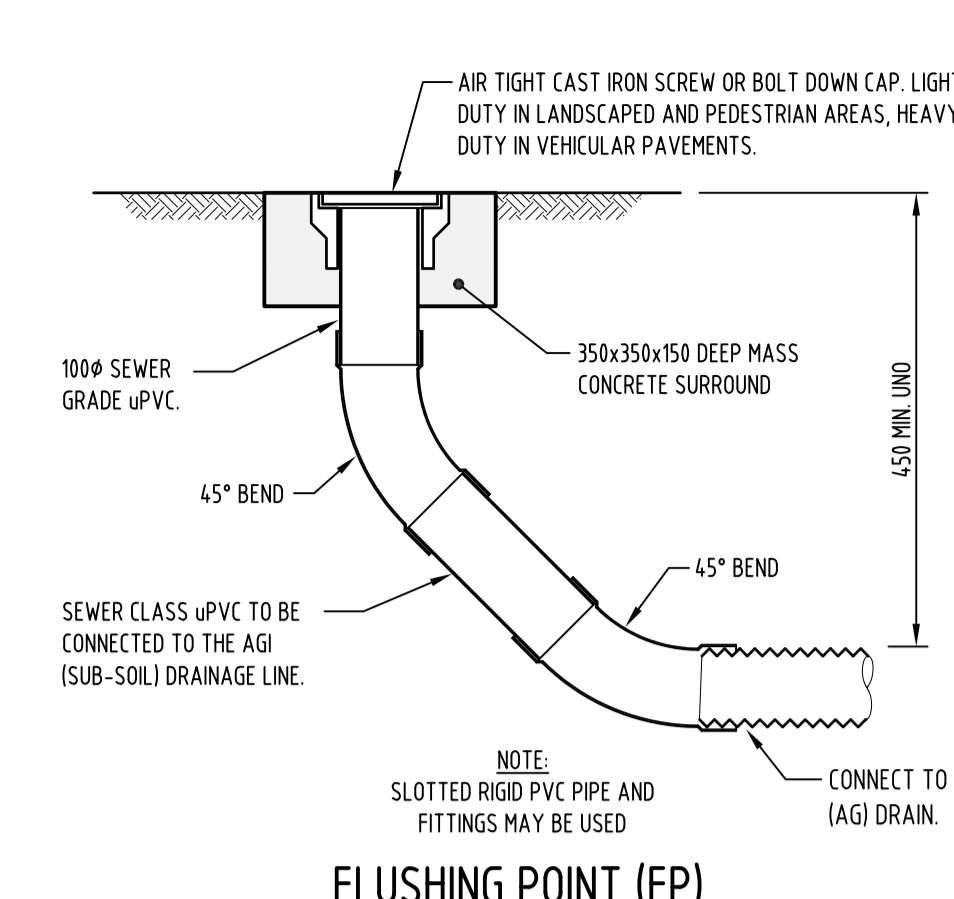
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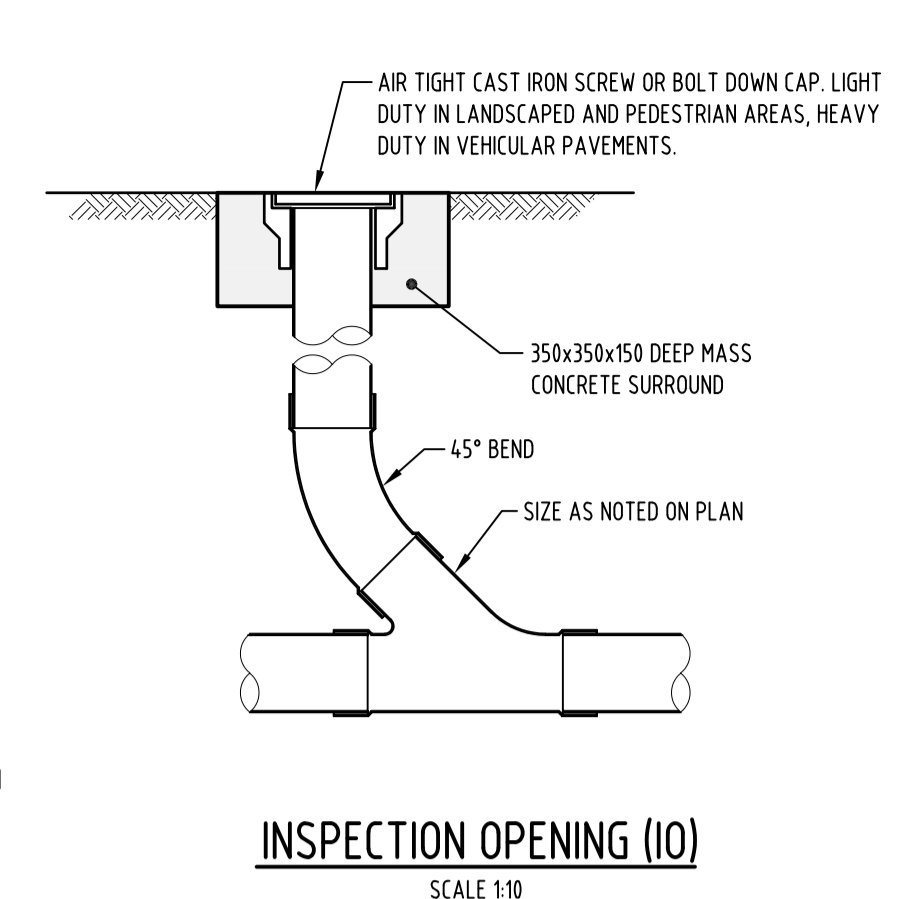
**TYPICAL AGI DRAIN (AG) DETAIL**  
N.T.S.



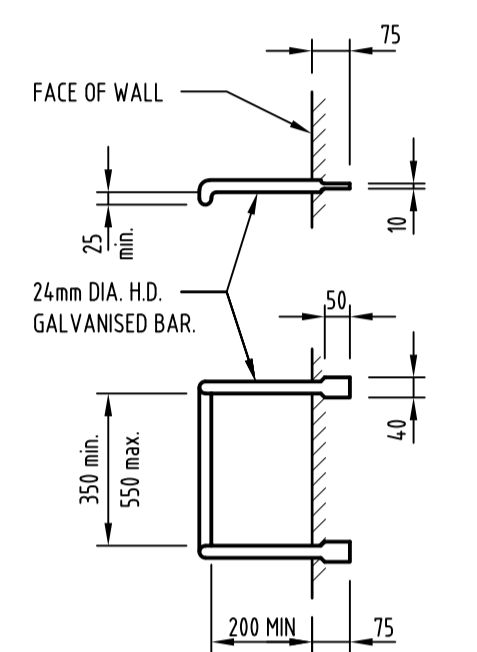
**TYPICAL AGI DRAIN (AG) DETAIL**  
N.T.S.



**FLUSHING POINT (FP)**  
SCALE 1:10

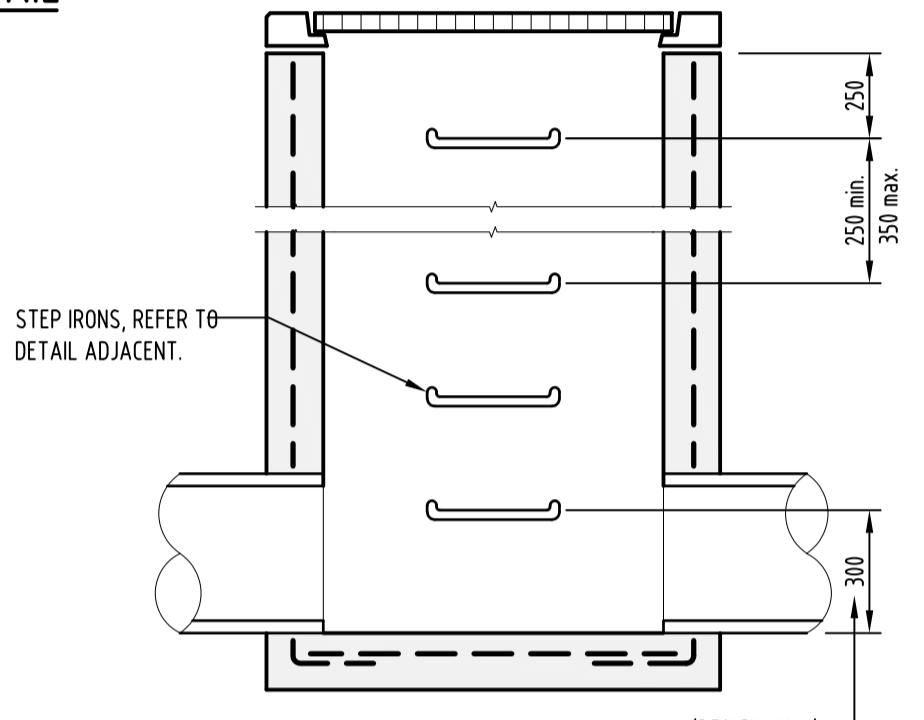


**INSPECTION OPENING (IO)**  
SCALE 1:10

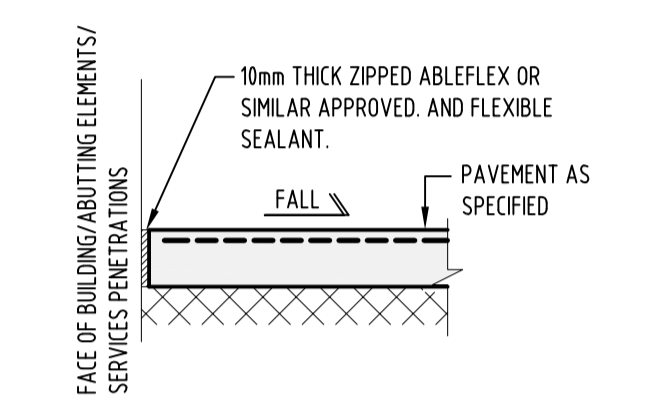


**STEP IRON DETAIL**  
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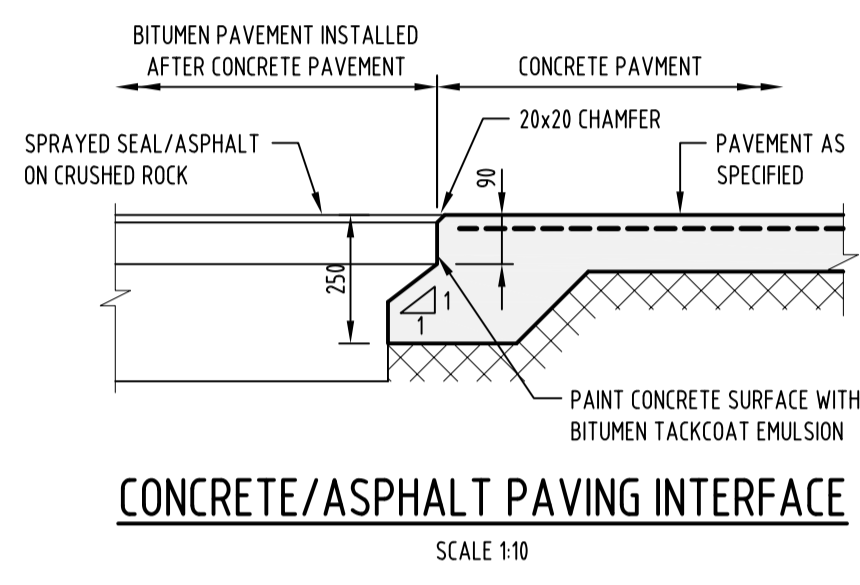
- NOTES:**
- PITS DEEPER THAN 1000mm SHALL BE FITTED WITH STEP IRONS IN ACCORDANCE WITH AS 3500.3.2 & AS 1657.
  - STEP IRONS SHALL BE LOCATED:
    - DIRECTLY BELOW THE OPENING IN THE COVER
    - DESIRABLY ON A WALL WITHOUT PIPE OPENINGS
    - DESIRABLY ON ONE OF THE LONG SIDES OF THE PIT
  - MATERIAL FOR STEP IRONS SHALL BE STRUCTURAL GRADE 250 TO AS 1204.
  - STEP IRONS SHALL HAVE SHARP EDGES ROUNDED AND HOT DIP GALVANIZED AFTER FABRICATION.
  - PROPRIETARY STEPS SUCH AS THE GATIC PS2-PF POLYPROPYLENE STEPS (OR APPROVED ALTERNATIVE) MAY BE USED. THESE SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.



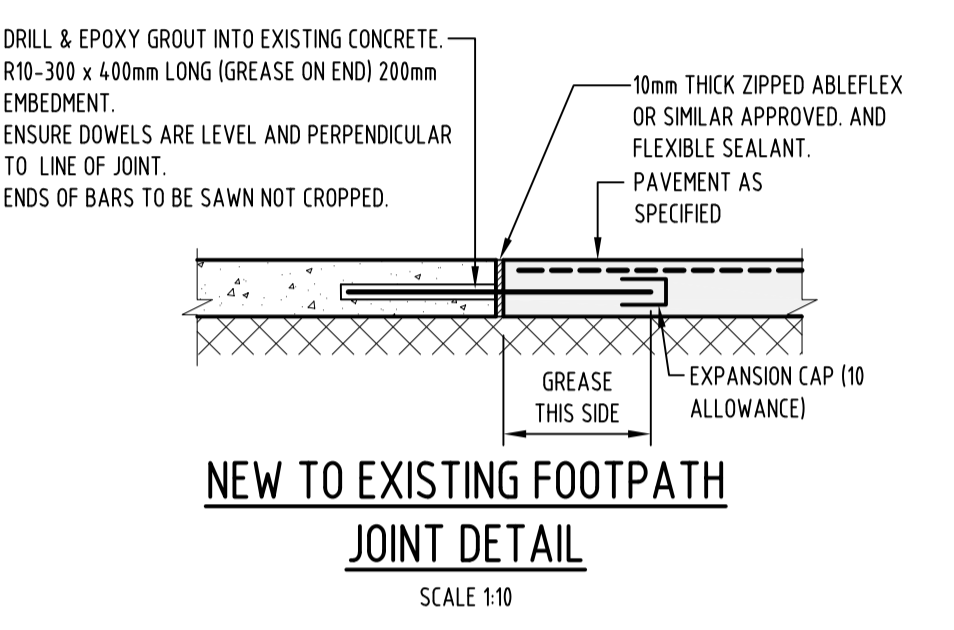
**SECTION B**  
SCALE - 1:20



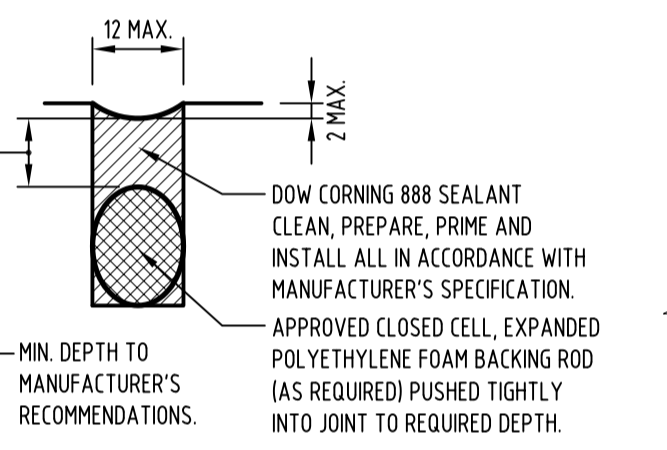
**EXPANSION JOINT (EJ) AT FACE OF BUILDING & ALL PENETRATIONS**  
SCALE 1:10



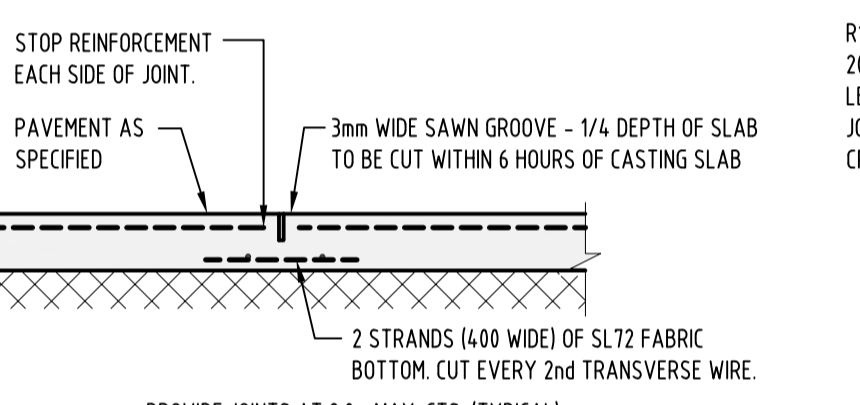
**CONCRETE/ASPHALT PAVING INTERFACE**  
SCALE 1:10



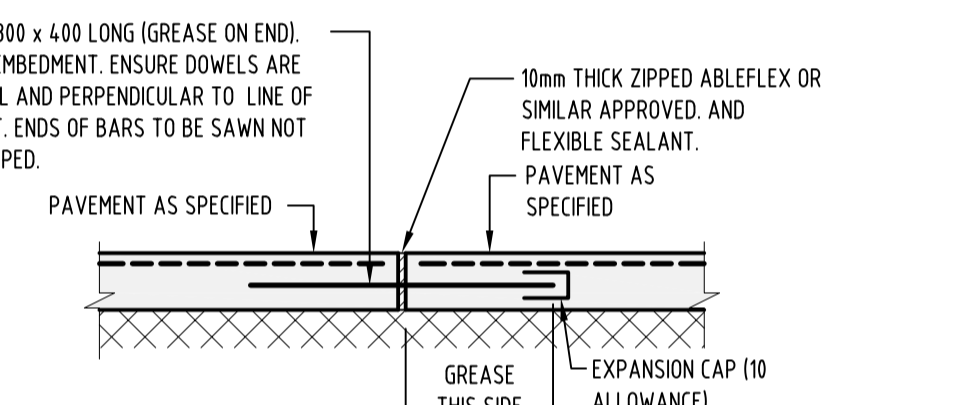
**NEW TO EXISTING FOOTPATH JOINT DETAIL**  
SCALE 1:10



**JOINT FILLER DETAIL**  
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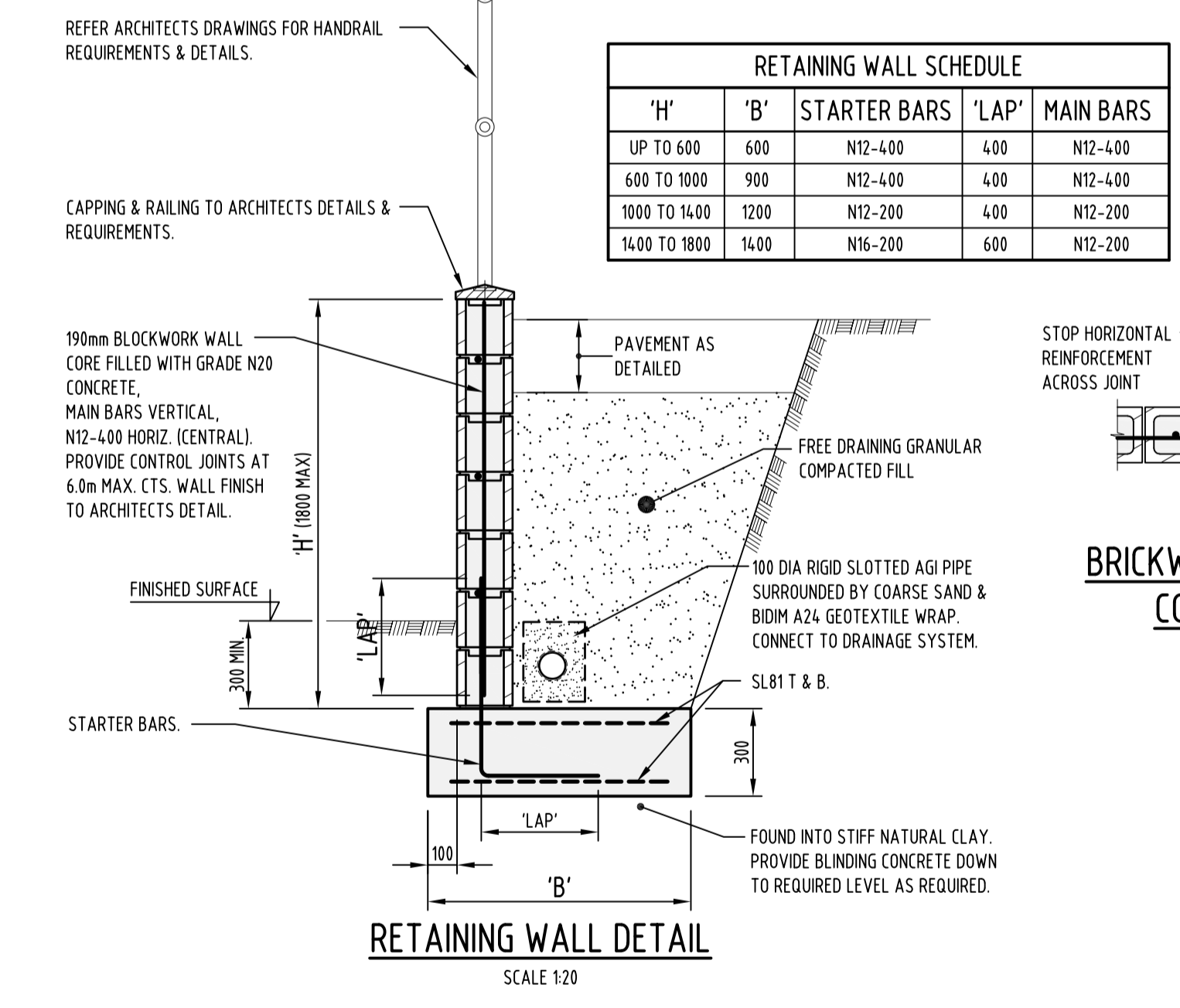


**CONCRETE FOOTPATH WEAKENED PLANE JOINT (WPJ)**  
SCALE 1:10

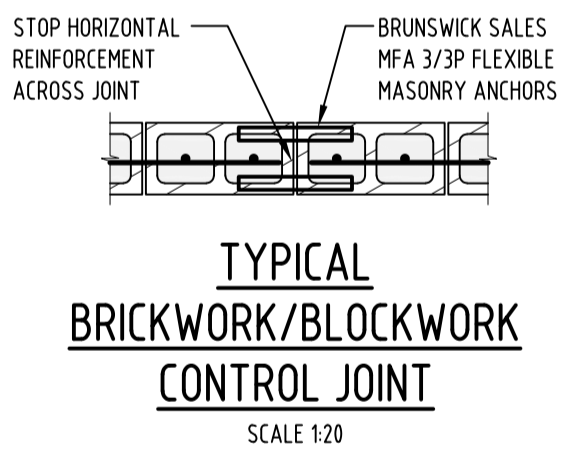


**DOWELLED FOOTPATH EXPANSION JOINT (EJ) DETAIL**  
SCALE 1:10

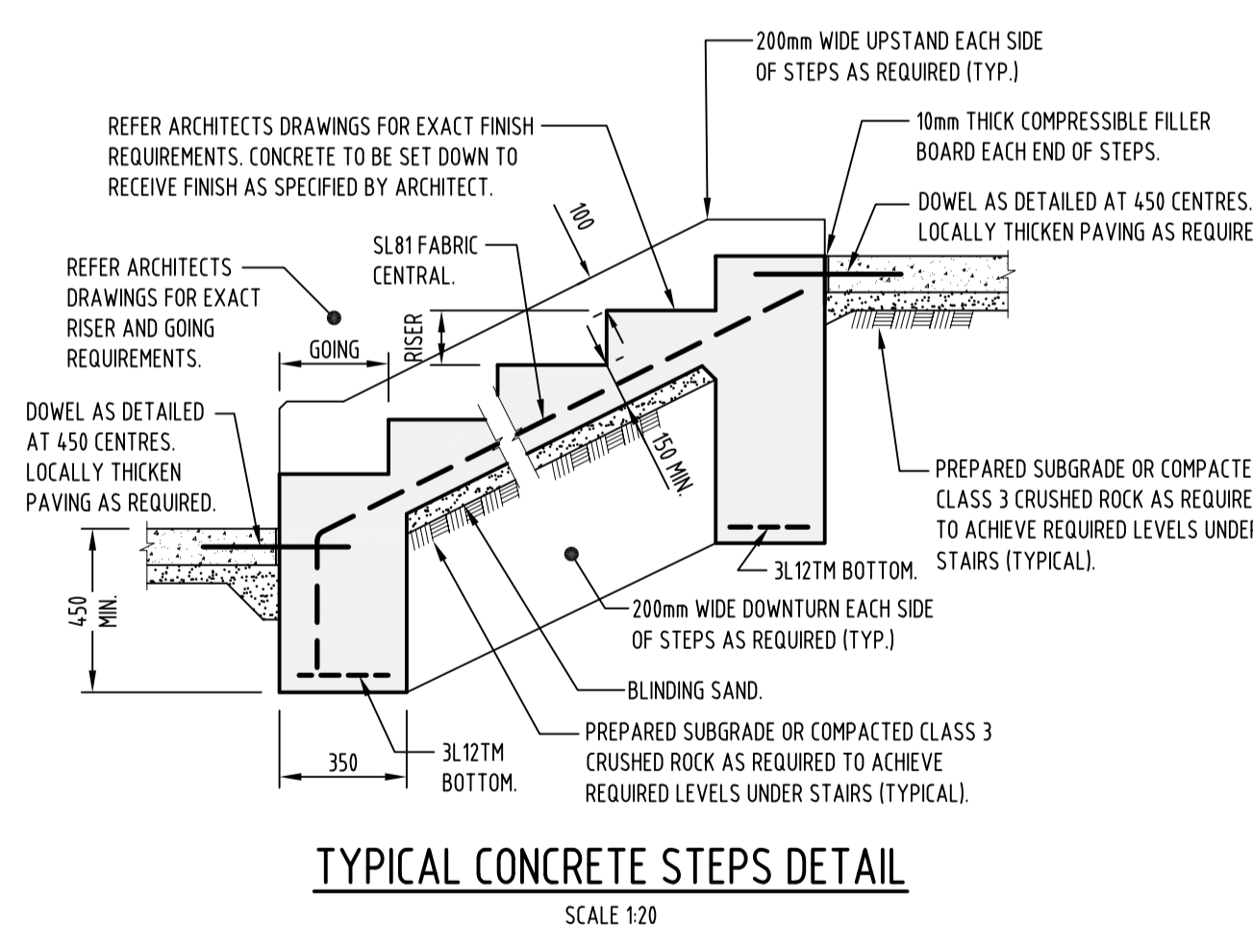
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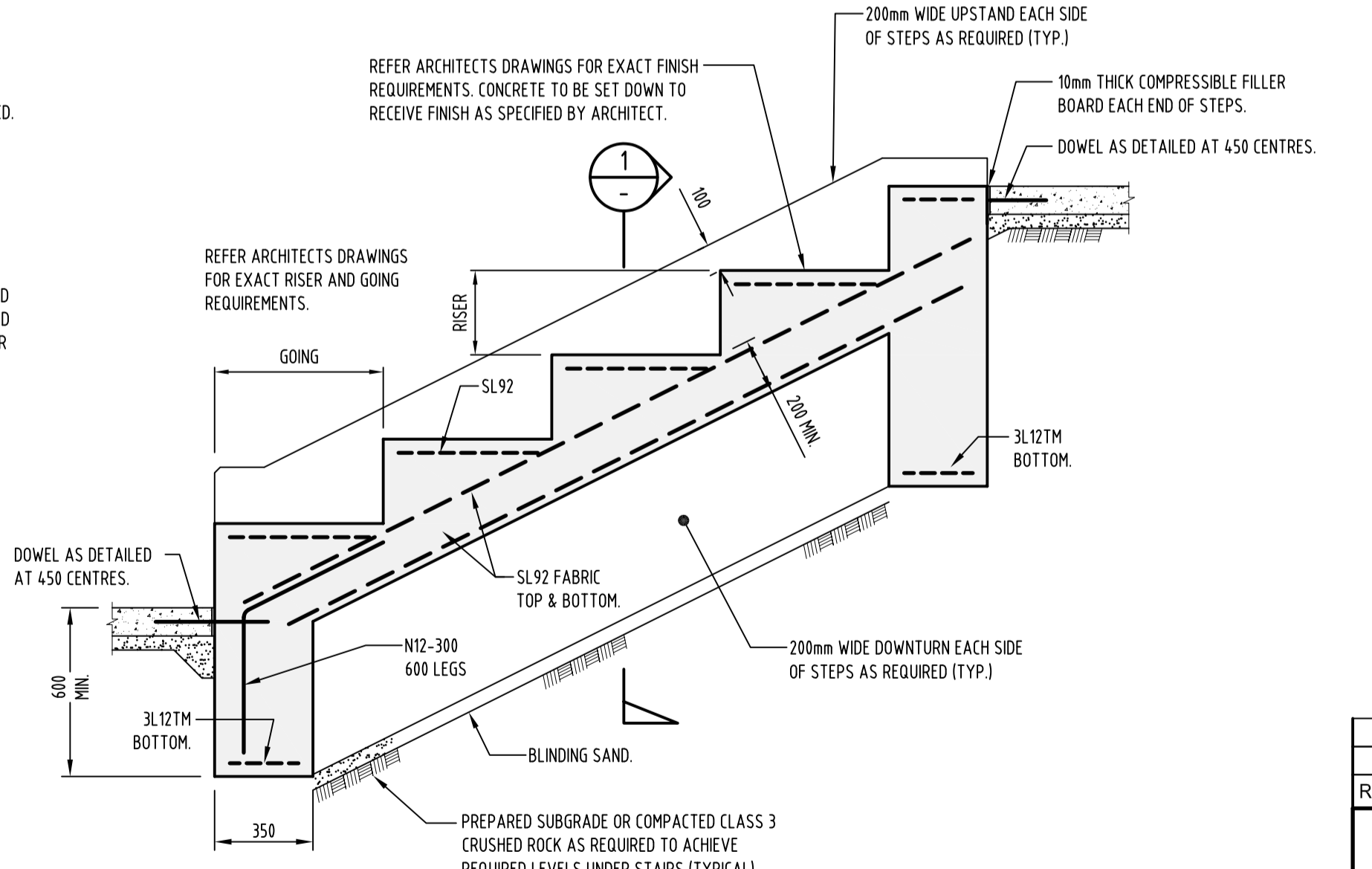
**RETAINING WALL DETAIL**  
SCALE 1:20



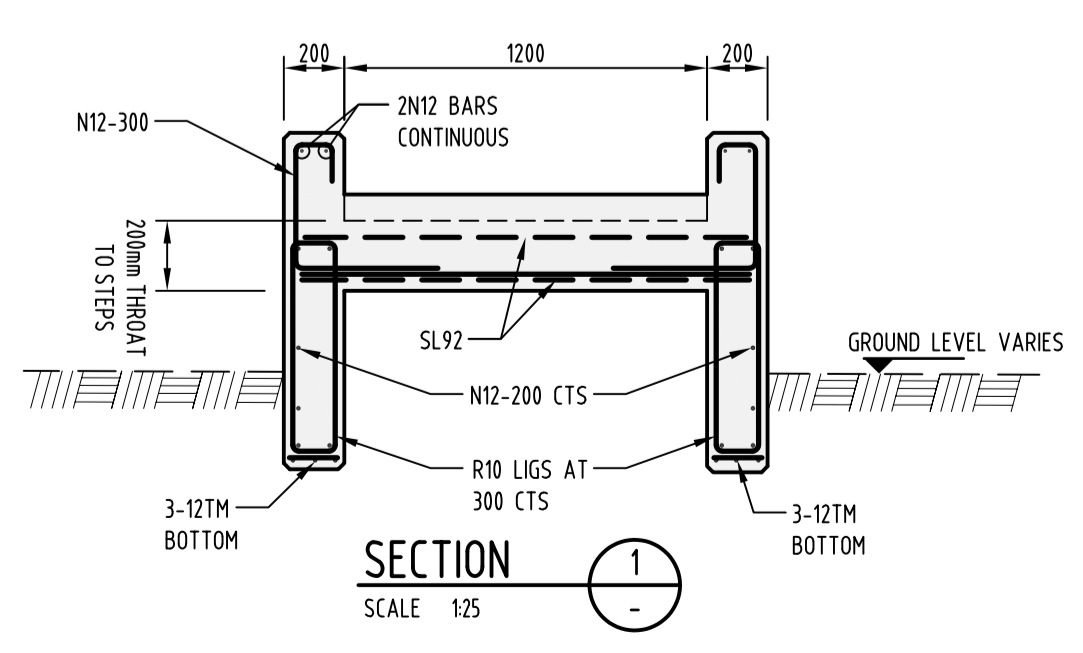
**TYPICAL BRICKWORK/BLOCKWORK CONTROL JOINT**  
SCALE 1:20



**TYPICAL CONCRETE STEPS DETAIL**  
SCALE 1:20



**TYPICAL CONCRETE SEATING DETAIL**  
SCALE 1:20



**SECTION 1**  
SCALE 1:25

**ADVERTISED PLAN**

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REV.	DATE	DESCRIPTION	DRAFT	ENG.	CHKD
B	12.05.21	TOWN PLANNING ISSUE		RZ	RZ
A	16.04.21	DD ISSUE		RZ	RZ

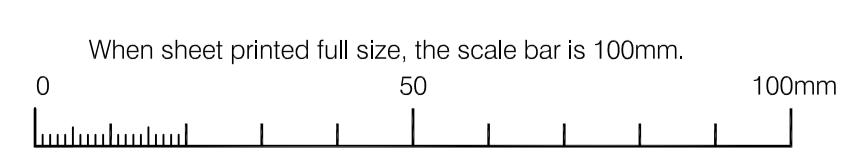
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**CIVIL DETAILS - SHEET 1 OF 2**

DRAWING NUMBER		Sheet No.		Rev.
A1	AS SHOWN	Job Number		
Design	RZ	Drawn	RZ	WGA201630-DR-CV-0003



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