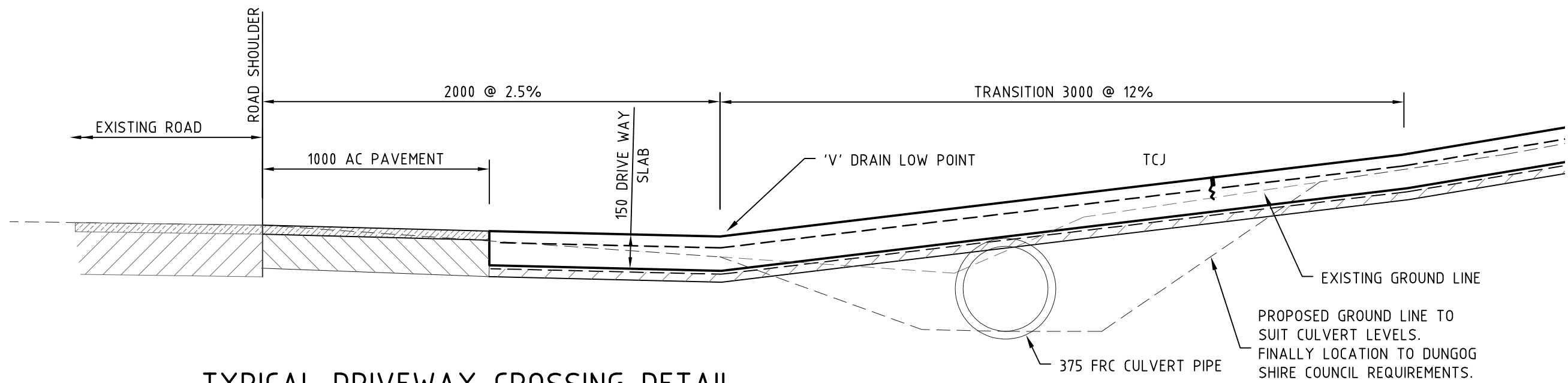
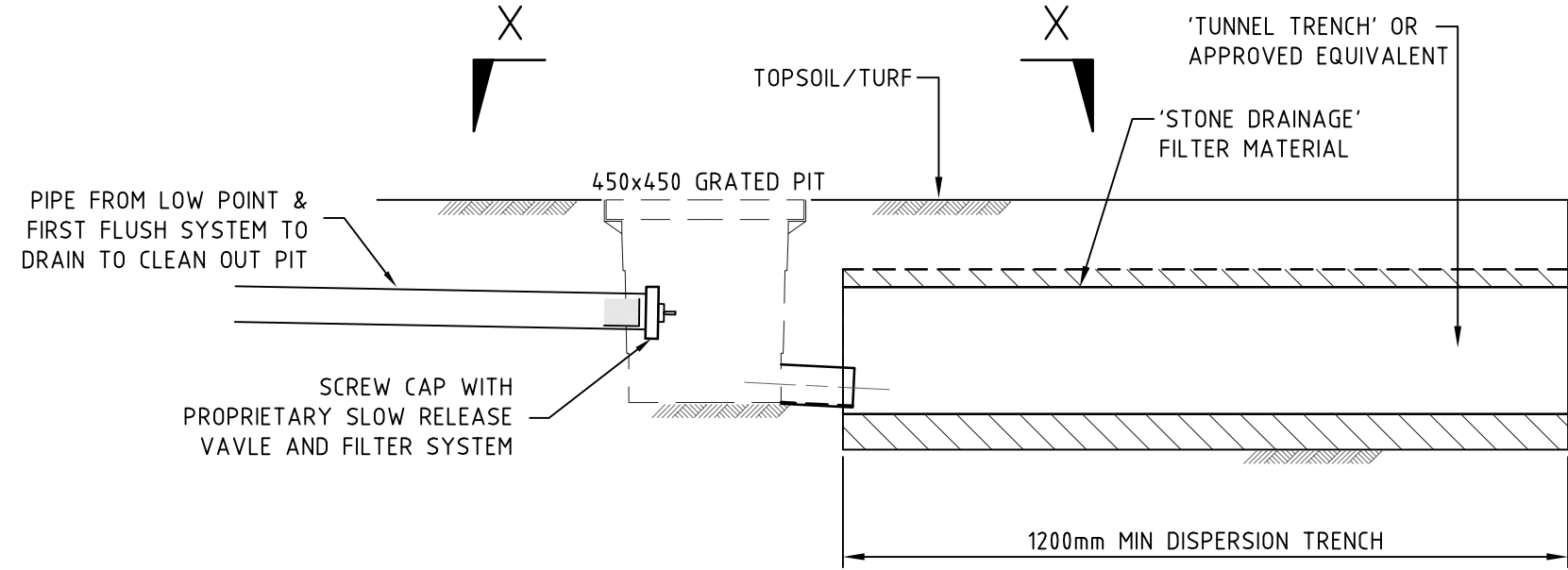
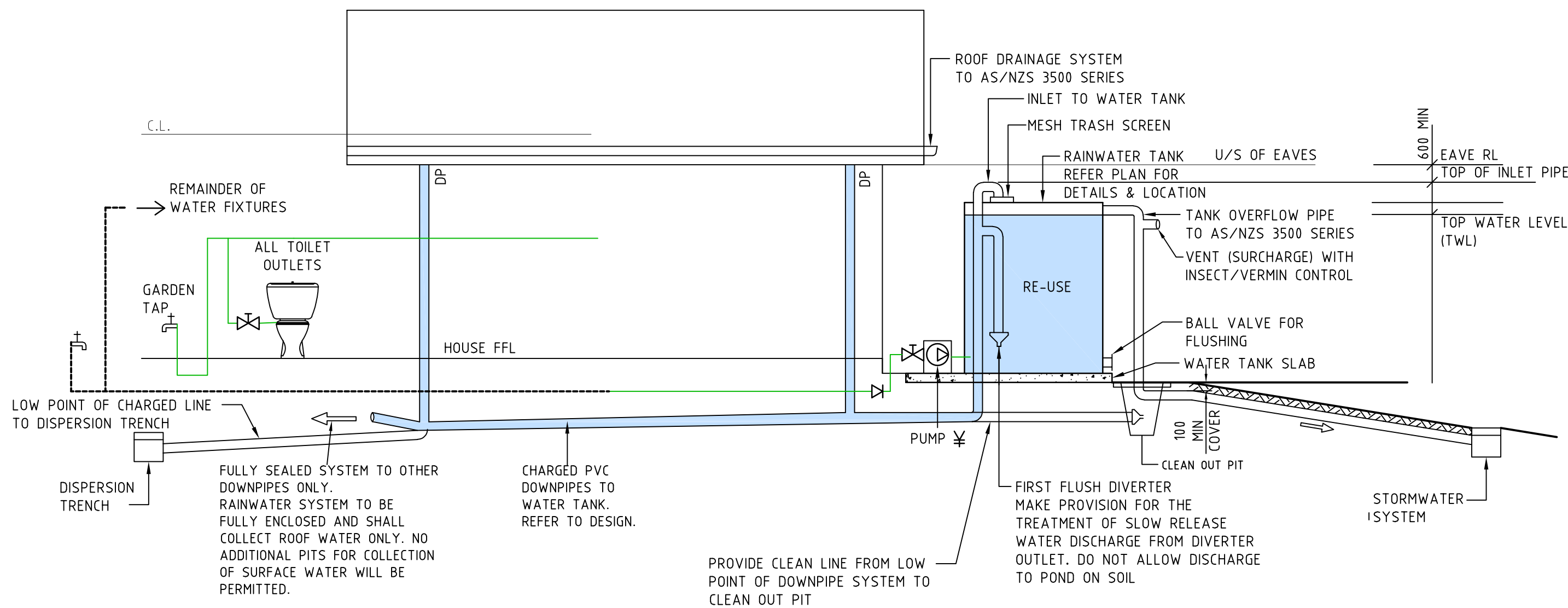


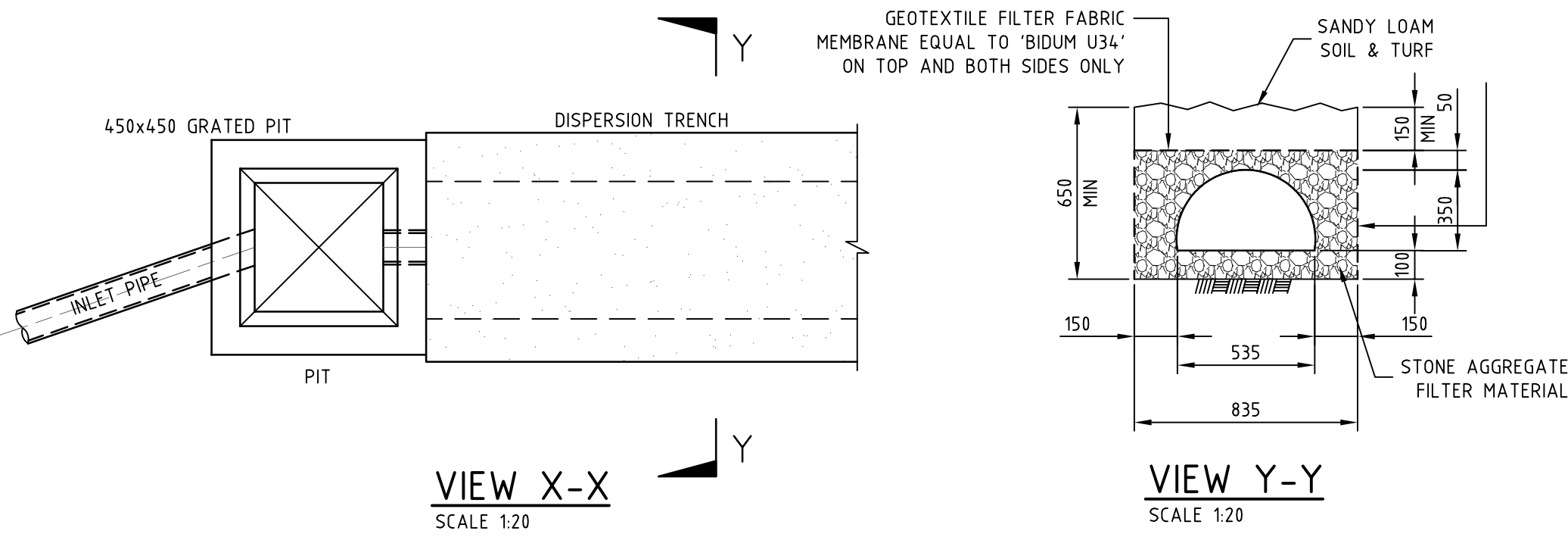
DRIVEWAY LONGITUDINAL (CENTRE LINE)
SCALE 1:100H, 1:50V



TYPICAL DRIVEWAY CROSSING DETAIL
SCALE 1:20



TYPICAL DISPERSION TRENCH DETAIL
SCALE 1:20



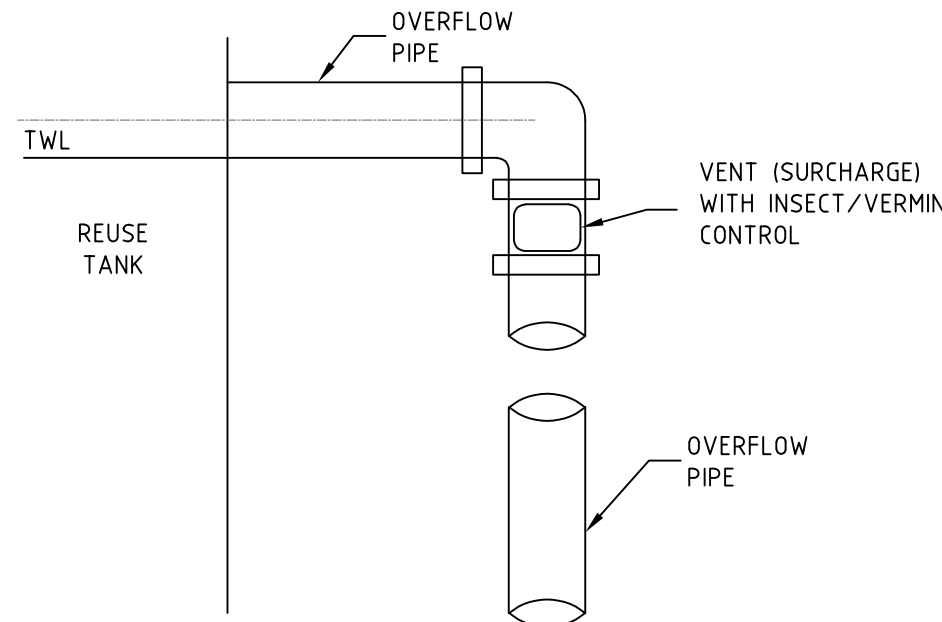
VIEW X-X
SCALE 1:20

VIEW Y-Y
SCALE 1:20



PROVIDE WARNING TO SIGN TO ALL EXTERNAL TAPS SUPPLIED FROM RE-USE TANKS TO LOCAL AUTHORITY REQUIREMENTS

WATER USE SIGN
SCALE NTS



RAINWATER TANK OVERFLOW
SCALE 1:20

WATER EFFICIENCY

REFER BASIX CERTIFICATE

MINIMUM BASIX WATER RE-USE VOLUME = 5m³
(FROM BASIX CERTIFICATE BY OTHERS)

RE-USE VOLUME SUPPLIED = 5.0m³ MINIMUM

WATER EFFICIENCY PARAMETERS

ALL SHOWER HEADS TO BE - 3 STAR MINIMUM
(≤7.5 BUT ≤ 9L/S)
ALL W/C FLUSHING SYSTEMS - 4 STAR MINIMUM
ALL KITCHEN TAPWARE - 5 STAR MINIMUM
ALL BATHROOM TAPWARE - 5 STAR MINIMUM

RAIN WATER REUSE TANK SHALL BE CONNECTED TO:
- ALL WC'S
- ALL CLOTHES WASHERS
- AT LEAST ONE OUT DOOR TAP

RAINWATER REUSE TANK

- T1. RAINWATER TANKS SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL COUNCIL AUTHORITY REQUIREMENTS, LOCAL WATER AUTHORITY REGULATIONS, AS3500 AND MPMSAA 'RAINWATER DESIGN AND INSTALLATION HANDBOOK'.
- T2. THE TANK WATER SHALL BE CONNECTED TO AT LEAST THE ITEMS NOTED ABOVE AND AS SHOWN ON THE HYDRAULIC ENGINEERS DRAWINGS.
- T3. THE TANK SHALL BE PROVIDED WITH ALLOWANCE FOR A SLUDGE ZONE AT THE BASE AND AN AIR ZONE AT THE TOP. VOLUMES NOMINATED ARE FOR OPERATIONAL REUSE VOLUMES UNLESS STATED OTHERWISE.
- T4. MAINS BACK UP SHALL BE PROVIDED TO ALL REUSE TANKS. REFER TO HYDRAULIC ENGINEERS DRAWINGS FOR DETAILS.
- T5. PROVIDE ALL SIGNAGE AND MARKING AS REQUIRED BY LEGISLATION TO ALL WATER STORAGE AND RE-USE COMPONENTS.

STORMWATER MANAGEMENT NOTES

- 0.1. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS, SERVICES AND STRUCTURES ON SITE PRIOR TO COMMENCEMENT OF WORK.
ALL WORKS SHALL BE IN ACCORDANCE WITH AS3500.3.
- 0.2. ALL WORK SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS AND THE SPECIFICATION.
- 0.3. ON COMPLETION OF PROPOSED WORKS ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL, GRASSED & LANDSCAPE AREAS AND ROAD PAVEMENTS. (U.N.O.)
- 0.4. CONTRACTOR TO OBTAIN ALL AUTHORITY APPROVALS.
- 0.5. MAKE SMOOTH TRANSITION TO EXISTING SERVICES AND MAKE GOOD.
- 0.6. WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
- 0.7. CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER THESE SERVICES. HAND EXCAVATE IN THESE AREAS.
- 0.8. THESE PLANS SHALL BE READ IN CONJUNCTION WITH APPROVED ARCHITECTURAL, STRUCTURAL, HYDRAULIC, AND OTHER SERVICES DRAWINGS AND SPECIFICATIONS.
- 0.11. ALL PIPE JUNCTIONS, BENDS AND TAPERS UP TO AND INCLUDING 450 DIA SHALL BE VIA PURPOSE MADE FITTINGS.
- 0.12. MINIMUM GRADE TO STORMWATER LINES TO BE 1%. (U.N.O.)
- 0.13. CONTRACTOR TO SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORK.
- 0.19. SEALED ROOF DRAINAGES SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL AUTHORITY REQUIREMENTS. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL ELEMENTS ASSOCIATED WITH WATER REUSE TANKS, INCLUDING BUT NOT LIMITED TOO, FIRST FLUSH DEVICES, APPROPRIATE VERMIN AND AND MOSQUITO MESHING, ETC, REQUIRED TO COMPLETE THE SYSTEM.
THE DRAINAGE SYSTEM SHALL BE SEALED FROM GUTTER LEVEL TO RAINWATER TANK.
- 0.21. ALL DOWNPIPES SHOWN ARE NIMOINAL LOCATIONS ONLY. REFER TO ARCHITECTS AND HYDRAULIC ENGINEERS DRAWINGS FOR EXACT LOACTIONS AND SIZES.

PRELIMINARY

A	DA MODIFICATION AND SECTION 138 ISSUE	12.06.23
Issue	Description	Date
10	0	10mm at full size
DO NOT SCALE		

Client	T & H PURCIVAL
Architect	EJE architecture

ambai CONSULTANTS	STRUCTURAL office@ambai.com.au
CIVIL 29 Victoria Street New Lambton NSW 2305	ENGINEERS www.ambai.com.au

Project	NEW RESIDENCE 8 GREY STREET CLARENCE TOWN NSW
Drawing Title	STORMWATER MANAGEMENT PLAN & DETAILS

Drawn	Engineer	Scale	Sheet
MA	RK	AS NOTED	A1
Checked	Project No.	Dwg. No.	Issue
RK	2210	SW2.00	A