

A1

SYMBOLS

- F.F.L. FINISHED FLOOR LEVEL
F.G.L. FINISHED GARAGE LEVEL
T.K. TOP OF KERB
• 11.00 FINISHED LEVEL (ALLOW FOR SURFACE COVERS)
• 11.00 EXISTING LEVEL
SL PIT SURFACE LEVEL
IL INVERT LEVEL
20 R ROOF CATCHMENT AREA (m²)
20 I IMPERVIOUS CATCHMENT AREA (m)
20 L LANDSCAPED CATCHMENT AREA (m)
• DOWNPIPE AND STORMWATER PIPE
• SUSPENDED STORMWATER PIPE
• Ø50 PUMP LINE
- - - - - Ø100 SUBSOIL PIPE
• DP DOWN PIPE
• SP SPREADER
• IO INSPECTION OPENING
• VD VERTICAL DROP
• VR VERTICAL RISER
RETAINING WALL
TW 81.20 TOP OF WALL LEVEL
CONCRETE COVER JUNCTION PIT
GRATED INLET PIT INTEGRATED INTO INTO SLAB
GRATED INLET PIT
300 WIDE GRATED DRAIN
OVERLAND FLOW PATH
DIRECTION OF SURFACE FALL
RWO RAINWATER OUTLET 150ø

NOTE – LOCATION OF EXISTING SERVICES SHOWN ARE APPROXIMATE ONLY & SHOULD BE ACCURATELY LOCATED BEFORE COMMENCEMENT OF WORKS

WARNING!

UNDERGROUND SERVICE CABLES IN VICINITY. EXERCISE EXTREME CAUTION DURING EXCAVATION. CONTACT "DIAL BEFORE YOU DIG" PRIOR TO ANY CONSTRUCTION WORK

UTILITIES SHOWN ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDE LINES & STANDARDS.

NOTE: UTILITIES SHOWN MAY NOT INCLUDE ALL SERVICES WITHIN THE LIMIT OF WORKS

NOTES

- ALL LINES ARE TO BE MIN. 100ø U.P.V.C @ MIN 1.0% GRADE UNLESS NOTED OTHERWISE.
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE & LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS.
- ALL PIPES TO HAVE MIN 150mm COVER IF LOCATED WITHIN PROPERTY.
- ALL PITS IN DRIVEWAYS TO BE 600x600 INTERNAL AND ALL PITS IN LANDSCAPED AREAS TO BE 450x450 INTERNAL
- ALL WORK DO BE DONE IN ACCORDANCE WITH AS/NZ 3500.3.2:1998 AND LOCAL GOVERNMENT AUTHORITY SPECIFICATIONS.
- PITS DEEPER THAN 600mm TO BE 600 X 900 W, ELSE 450 SQ U.N.O.
- RENDERED WITH CONCRETE HEAVY DUTY GRATES SIZED AS PITS PER PLAN.
- NO SEWER VENTS, GULLY PITS OR SIMILAR TO BE LOCATED BELOW THE MAXIMUM WATER SURFACE LEVEL IN DETENTION BASINS.
- PERSONS UTILISING THIS PLAN FOR ANY PURPOSES SHALL VERIFY THE DATUM & RESPECTIVE LEVELS PRIOR TO COMMENCING ANY WORKS & NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- DRIVEWAY LEVELS PROVIDED FOR DRAINAGE DESIGN PURPOSES ONLY. LEVELS MAY BE ADJUSTED TO SUIT FINAL HOUSE CUT/FILL CONDITIONS BUT NEED TO MAINTAIN INTENT OF DRAINAGE SYSTEM. ENGINEER TO BE CONSULTED PRIOR TO CONSTRUCTION TO ENSURE INTENT MAINTAINED.
- END OF EXISTING DRAINAGE LINE TO BE EXPOSED & LEVELS CONFIRMED BY BUILDER PRIOR TO COMMENCEMENT OF WORKS.
- BUILDERS TO ENSURE SERVICES CONNECTIONS TO HOUSE DO NOT CONFLICT WITH DRAINAGE DESIGN REQUIREMENTS.
- ALL WORKS TO BE CONSTRUCTED TO GOOD BUILDING PRACTICE & MATERIALS TO MEET ACCEPTED SPECIFICATIONS.
- ALL GUTTER TO BE PROVIDED WITH GUTTER GUARD.

NOTES

- ALL MATERIALS, INSTALLATION AND LAYING OF DRAINAGE WORKS SHALL BE TO AS/NZS 3500.3.2 AND TO COUNCIL'S REQUIREMENTS.
- COMPRESSIVE STRENGTH FOR CAST INSITU CONCRETE SHALL BE A MINIMUM OF 25 MPa AFTER 28 DAYS.
- LEVELS ARE CRITICAL. ALL LEVELS HAVE TO BE CHECKED WITH THE ENGINEER AND ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY MUST BE REFERRED TO THE ENGINEER FOR ADJUSTMENT.
- GRATING SHALL BE MEDIUM DUTY UNDER TRAFFICABLE AREAS, LIGHT DUTY IN OTHERS UNLESS NOTED OTHERWISE (UNO).
- PITS DEEPER THAN 900mm SHALL BE PROVIDED WITH ACCESS STEPS IRONS.
- ALL PITS SHALL BE STREAM LINED.
- CHECK LOCATIONS OF ALL EXISTING SERVICES PRIOR TO EXCAVATION.
- EXACT LOCATION OF DOWN PIPES TO BE COORDINATED WITH THE ARCHITECT.
- ALL PIPES TO BE UPVC CLASS STORMWATER PIPES TO AS 1254.
- ALL GRATING COVERS TO BE PROVIDED WITH FRAMES.
- PITS SHALL BE SURROUNDED WITH SAUSAGES OF COURSE FILTER CLOTH FILLED WITH 25mm BLUE METAL DURING CONSTRUCTION.
- THE OSD'S SHALL BE DESIGNED BY CHARTERED STRUCTURAL PROFESSIONAL ENGINEER.
- ALL DIMENSIONS ARE IN MILLIMETERS.
- PROVIDE A CONFINED SPACE DANGER SIGN TO COUNCIL APPROVAL.
- PROVIDE 100ø AGG. DRAIN LINES (SUB SOIL DRAIN) FOR THE ABOVE GROUND DETENTION TANK AND CONNECT TO THE ADJACENT PIT IN DCP
- FLOOR DRAIN TO BE PROVIDED IN BALCNIES AND CONNECTED TO THE DOWN PIPES.
- THE PUMPWELL TO BE FITTED WITH 2XZENITH EDR1009B–LINE PUMPS) WITH CONTROL PANAL FOR ALTERNATING CYCLE. EACH PUMP TO BE CAPABLE OF DELIVERING 3 l/SEC VIA ø65 mm UPVC PRESSURE PIPE CLASS 6

THESE PLANS ARE SCHEMATIC FOR CONSTRUCTION-MISSING INFORMATION IS TO BE FOUND IN THE NATIONAL CONSTRUCTION CODE

STORMWATER PLANS

PROPOSED GRANNY FLAT

10 HILLCREST STREET

WILEY PARK

FOR CC APPLICATION

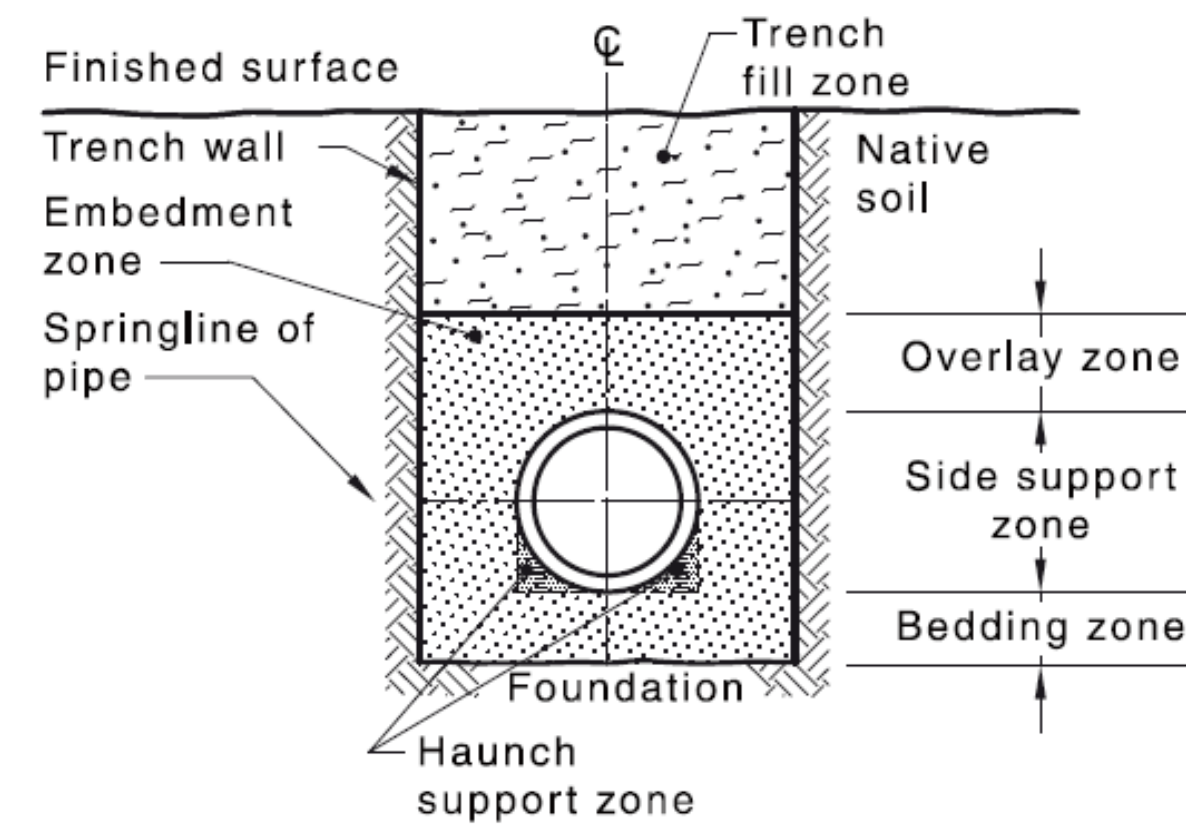
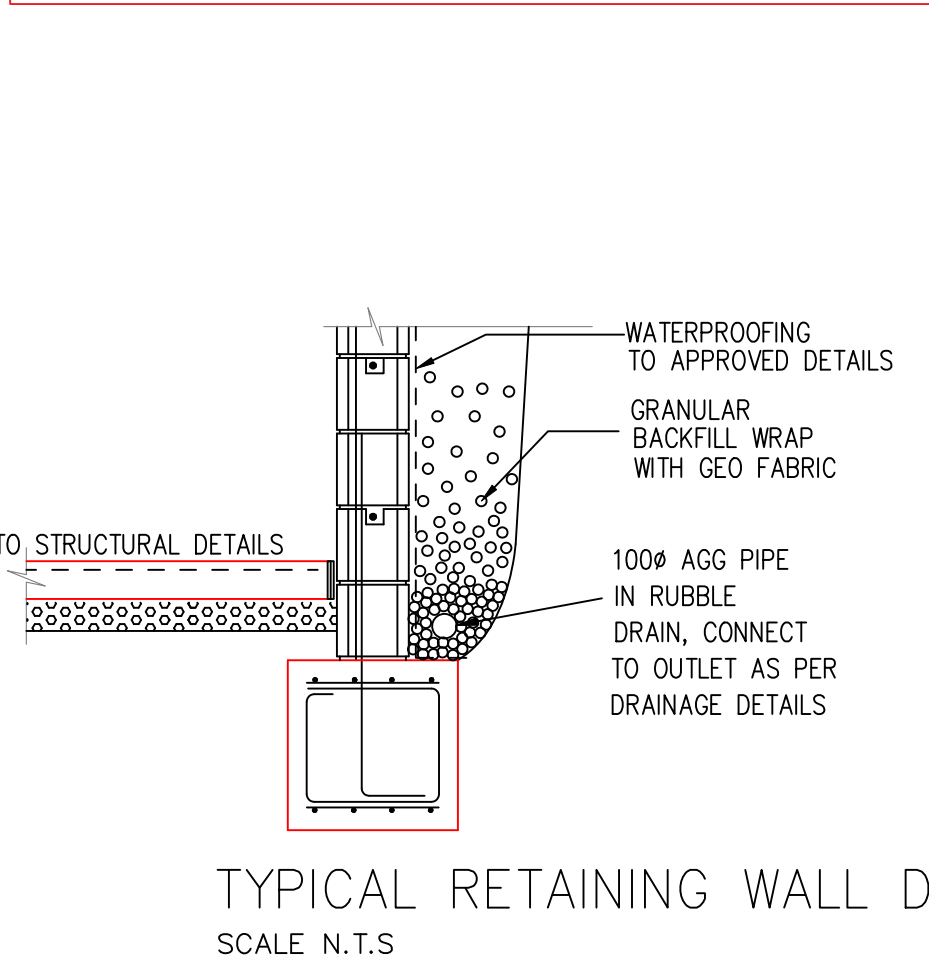
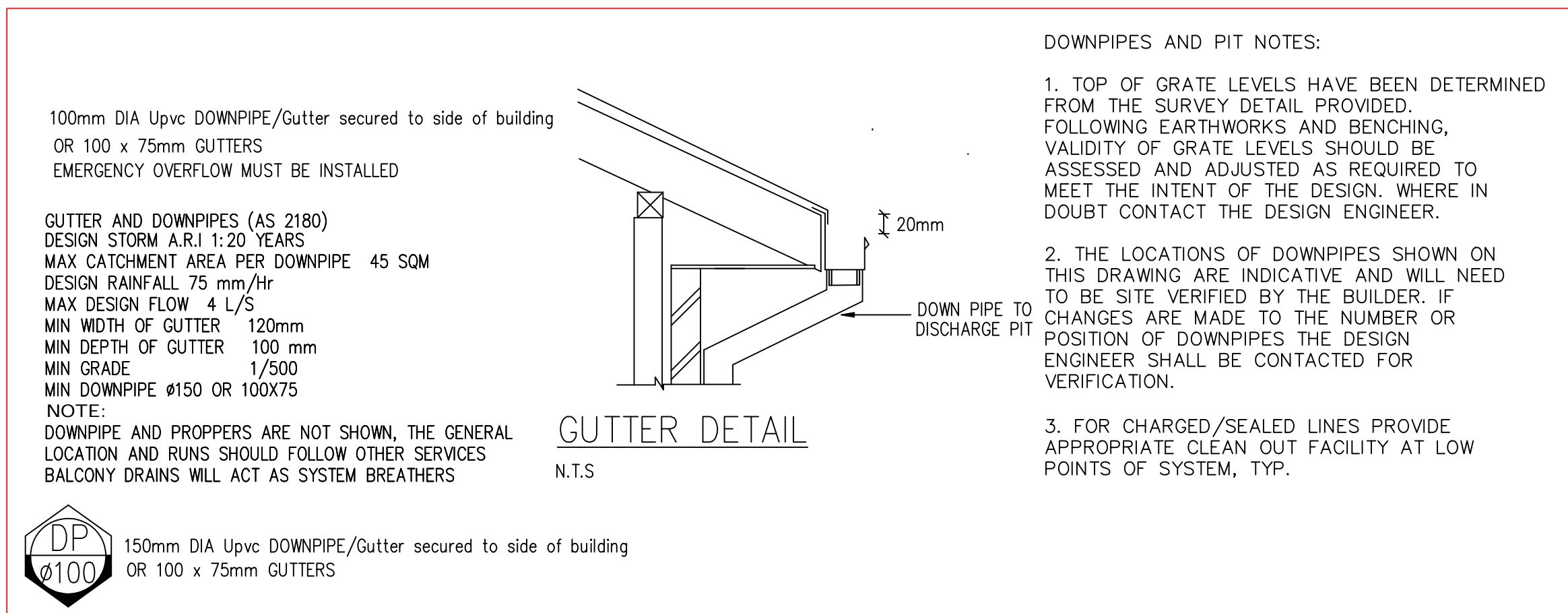
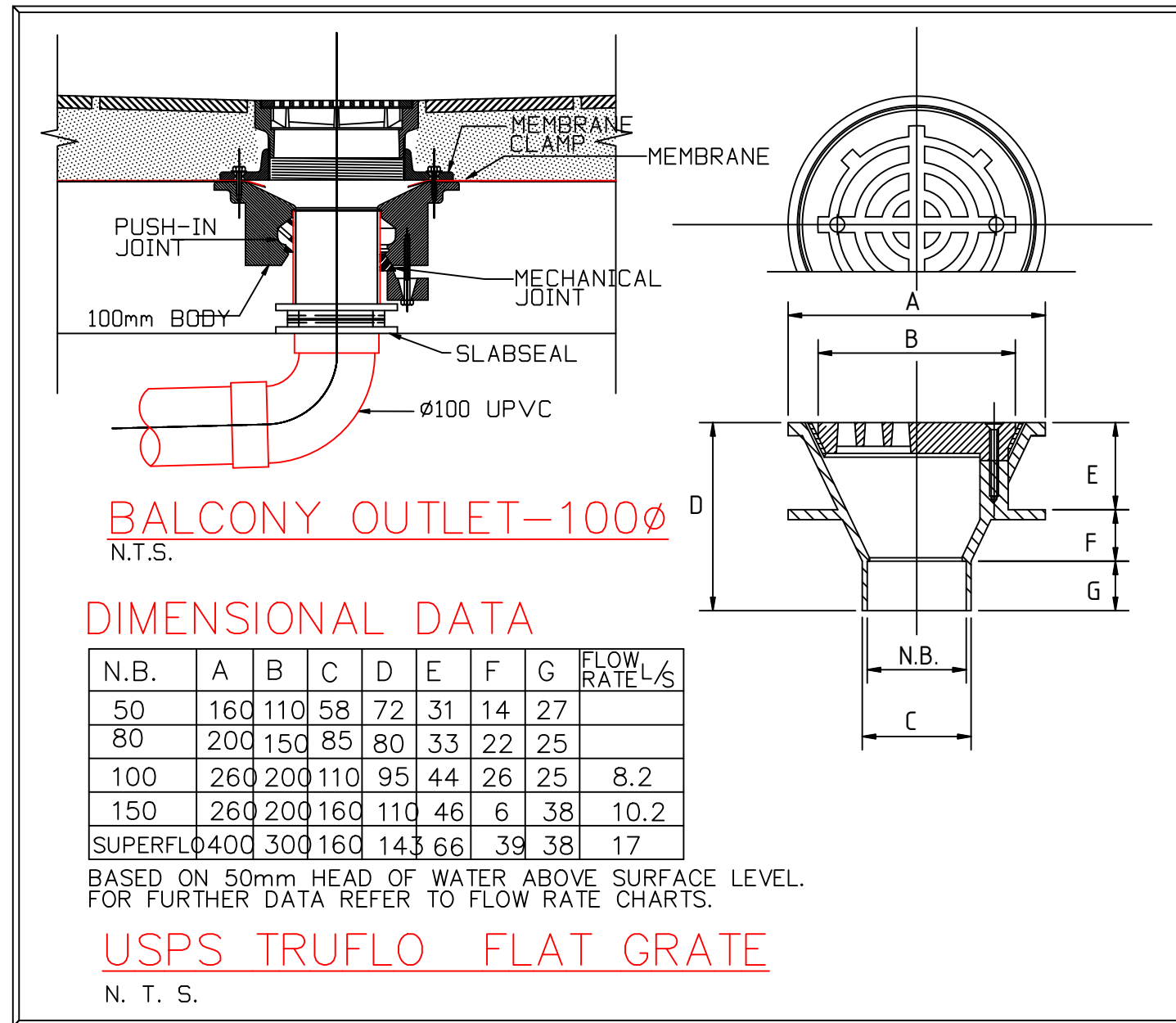


TABLE 3.3.4
AVERAGE RECURRENCE INTERVAL (ARI)

Effect of overtopping	ARI, years	
	Australia	New Zealand
(a) Eaves gutters, external	≥20	≥10
(b) Box gutters and valley gutters	≥100	≥50

NOTES:

- For Australia, this Table should be used in conjunction with the NCC, which includes requirements to prevent rain and stormwater from roof drainage from entering certain buildings.
- 1% AEP is equivalent to 100 ARI and 5% AEP is equivalent to 20 years ARI.

Slope H:L

Soil type	Slope H:L	
	Compacted fill	Undisturbed ground
Stable rock*	2:3	8:1
Sand*	1:2	1:2
Silt†	1:4	1:4
Firm clay	1:2	1:1
Soft clay	Not suitable	2:3
Soft soils†	Not suitable	Not suitable

* Most sand and rock sites with little or no ground movement from moisture changes.
† Sites include soft soils, such as soft clay or silt or loose sands, landslip, mine subsidence, collapsing soils, soils subject to erosion, reactive sites subject to abnormal moisture conditions, or sites that cannot be classified otherwise.

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DESIGNED
DRAWN
VERIFIED
APPROVED

FOR COUNCIL APPROVAL

19/01/22

DATE

DETAILS OF AMENDMENT

LOMFORD ENGINEERS Pty Ltd

TERMS
USE INURED DIMENSIONS ONLY
CONSTRUCTOR TO CHECK ALL DIMENSIONS ON SITE BEFORE ANY FABRICATION
CONSTRUCTORS TO REPORT ALL DISCREPANCIES TO THE DESIGNERS FOR AMENDMENTS
HEAD OFFICE
181 FLOOR
673 FOREST ROAD
BENTLEY NSW 2207
CIVIL ENGINEERS
STRUCTURAL ENGINEERS
STORMWATER ENGINEERS

02 9588 7050
0411 222 118

PROJECT ADDRESS
PAGE TITLE
PROPOSED GRANNY FLAT
10 HILLCREST AVE.
WILEY PARK
COVER PAGE

PROJ No. 22–22MOON

DRAWING No.
24–10HILL–H

SHEET No. 100
REV. A

