

PROPOSED DEVELOPMENT

9 MARVELL STREET, BYRON BAY



DRAWING SCHEDULE

Sheet Number	Sheet Title
C000	COVERSHEET AND LOCALITY PLAN
C001	SPECIFICATION NOTES
C301	BASEMENT LEVEL DRAINAGE PLAN
C302	GROUND LEVEL DRAINAGE PLAN
C331	DETAILS SHEET

PLAN DATE: 28/10/22

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			EDGE CONSULTING ENGINEERS www.edgece.com Melbourne, Australia Unit 202, Level 2, 187 Boundary Road, North Melbourne, Victoria, 3051, Australia T: +61 3 9326 9068 E: melbourne@edgece.com The concepts + information contained in this document are the copyright of EDGE Consulting Engineers. Use or copying of this document in whole or in part without the written permission of EDGE Consulting Engineers constitutes an infringement of copyright. DO NOT SCALE DRAWINGS. IF IN DOUBT, ASK!		Project Name 9 MARVELL STREET BYRON BAY NSW 2481 Client COBILD Designed RP Drawn RP Checked GM Scale @ A1 N.T.S.		Drawing Title COVER SHEET AND LOCALITY PLAN Project No. 221051 Drawing No. C300 Revision P1	PRELIMINARY
P1 28/10/22 PRELIMINARY ISSUE			RP MS					
Rev	Date	Description	By	Chk				

NOTES:

1. CONTRACTOR TO READ DRAWING IN CONJUNCTION WITH ARCHITECT'S, STRUCTURAL AND HYDRAULIC ENGINEER'S PLANS.
2. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY ENGINEER IF ANY DISCREPANCY OR POTENTIAL CLASH IS NOTED. ALL EXISTING SERVICES TO BE RETAINED UNO. ALL LIDS WITHIN EXTENT OF WORKS TO BE MODIFIED.
3. REFER HYDRAULIC ENGINEER FOR ALL ROOF WATER/BALCONY OUTLET/ SUSPENDED DRAINAGE CONNECTIONS. CONTRACTOR TO ALLOW FOR ALL PROPRIETARY FITTINGS/CONNECTIONS TO PROPOSED INGROUND STORMWATER SYSTEM.
4. REFER TO HYDRAULIC ENGINEER FOR THE RAINWATER SERVICE, TANK AND TANK OVERFLOW SERVICE.
5. DRIVEWAY PAVEMENT MATERIAL TO BE CONFIRMED ALONG WITH CO-ORDINATION WITH NEIGHBOURING PROPERTY
6. BUILDER TO OBTAIN BUILD OVER EASEMENT APPROVAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.
7. BUILDER TO CONFIRM ALL SURFACE & INVERT LEVELS ON SITE PRIOR TO CONSTRUCTION
8. WATER SENSITIVE URBAN DESIGN TREATMENT LOCATIONS TO BE CONFIRMED
9. PUMP PIT SIZING & DETAILS TO BE CONFIRMED BY MANUFACTURER SPECIFICATIONS
10. DRAINAGE PIPES TO BE CONCRETE CASED OR SUITABLE ANCHORED TO BASEMENT SLAB TO AVOID FLOATING UNDER GROUNDWATER TABLE.
11. BASEMENT TO BE TANKED. REFER TO STRUCTURAL DRAWINGS FOR DETAILS

NOTE

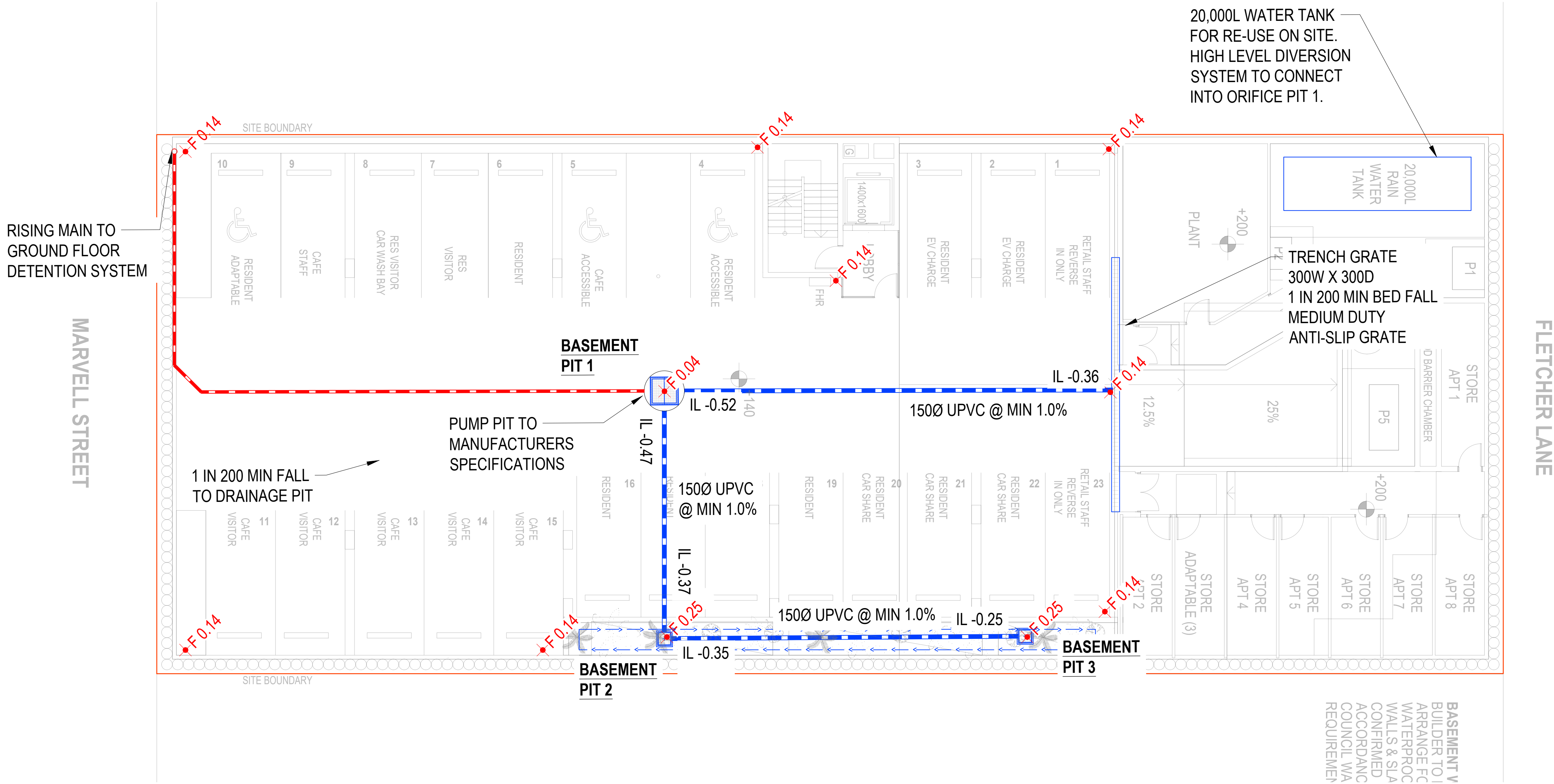
A SOILS INVESTIGATION HAS BEEN CARRIED OUT BY PACIFIC GEOTECH, REFERENCE NO. PG-7644, DATED 01/08/2022 THIS REPORT MUST BE READ IN ITS ENTIRETY PRIOR TO CONSTRUCTION BEING UNDERTAKEN.

ANY UNSUITABLE MATERIAL ENCOUNTERED IS TO BE TREATED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

TEMPORARY BATTERS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT

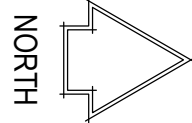
WARNING

THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING SERVICES ON AND EXTERIOR TO THE SITE INCLUDING WATER MAINS, SEWER MAINS, GAS MAINS, TELECOMMUNICATIONS CABLES, ELECTRICAL CABLES, AND STORMWATER PIPES. ANY DAMAGE TO EXISTING SERVICES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.



THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING SERVICES ON AND EXTERIOR TO THE SITE INCLUDING WATER MAINS, SEWER MAINS, GAS MAINS, TELECOMMUNICATIONS CABLES, ELECTRICAL CABLES, AND STORMWATER PIPES. ANY DAMAGE TO EXISTING SERVICES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

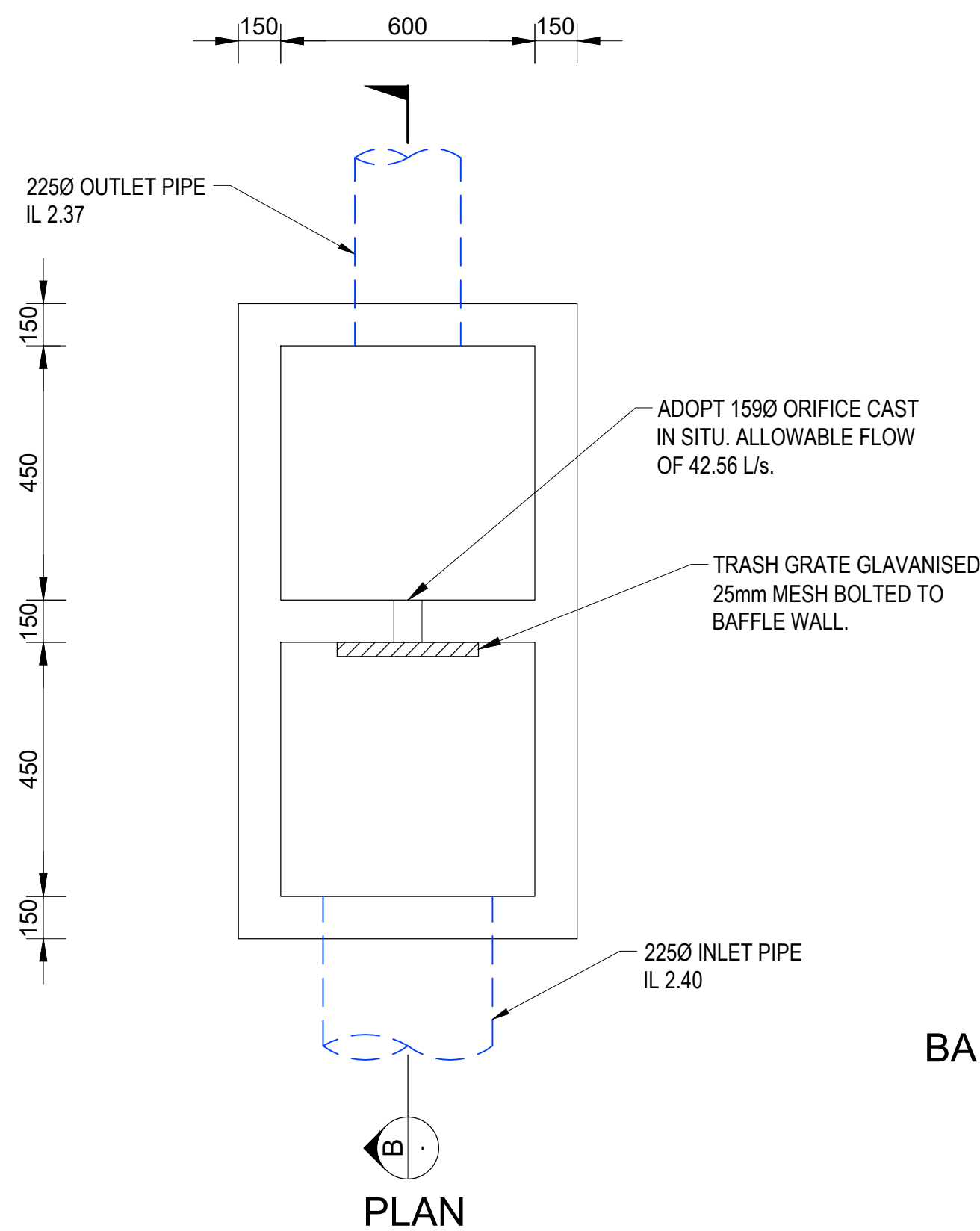
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SCALE 1:100 @A1



EDGE CONSULTING ENGINEERS www.edgece.com				Melbourne, Australia Level 6, 70 Racecourse Road North Melbourne, Victoria, 3051, Australia T: +61 3 9326 9068 E: melbourne@edgece.com				Project Name 9 MARVELL STREET BYRON BAY NSW 2481				Drawing Title BASEMENT LEVEL STORMWATER DRAINAGE PLAN			
Client COBILD				Project No. 221051				Revision P3				PRELIMINARY			
Designed RP				Drawn RP				Checked MS				Scale @ A1 1:200			
Rev Date				Description By Cik				Drawing No. C301							

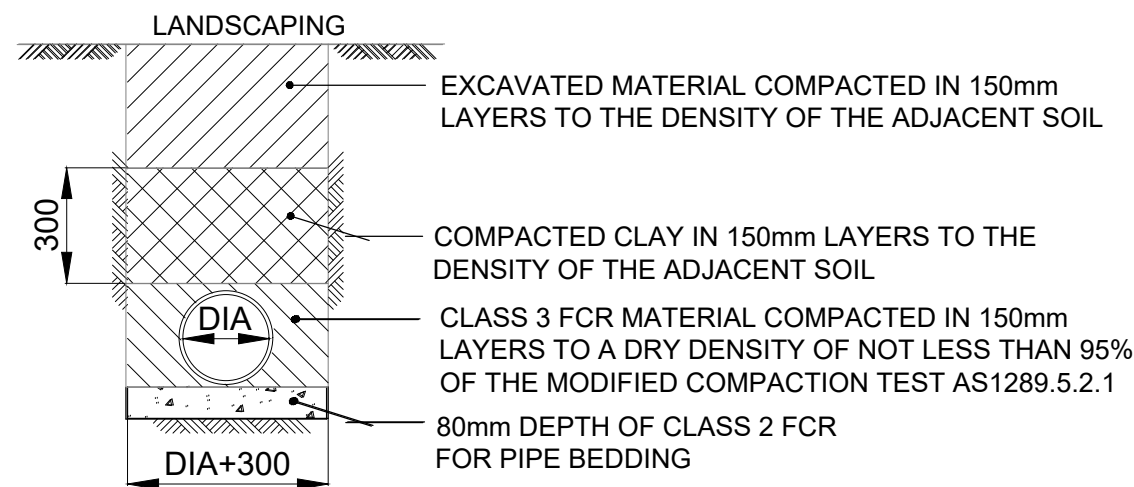
PIT SCHEDULE

PIT NO	TYPE	WIDTH	LENGTH	COVER LEVEL	PIT DEPTH	CLASS	COVER TYPE	REMARKS
P1	ORIFICE	900	600	3.25	0.880	B	ORIFICE	SOLID COVER ORIFICE PIT
P2	GP	600	600	3.35	0.75	B	GRATED	ANTISLIP GRATE
P3	GP	450	450	3.35	0.60	C	GRATED	ANTISLIP GRATE
P4	GP	450	450	3.35	0.65	C	GRATED	ANTISLIP GRATE
BP1	PUMP	1500	1500	0.04	2.00	C	GRATED	PUMP PIT w/ ANTISLIP GRATE. REFER TO MANUFACTURER FOR DETAILS
BP2	GP	600	600	0.25	0.62	B	GRATED	ANTISLIP GRATE
BP3	GP	600	600	0.25	0.50	B	GRATED	ANTISLIP GRATE



BAFFLE PIT DETAILS

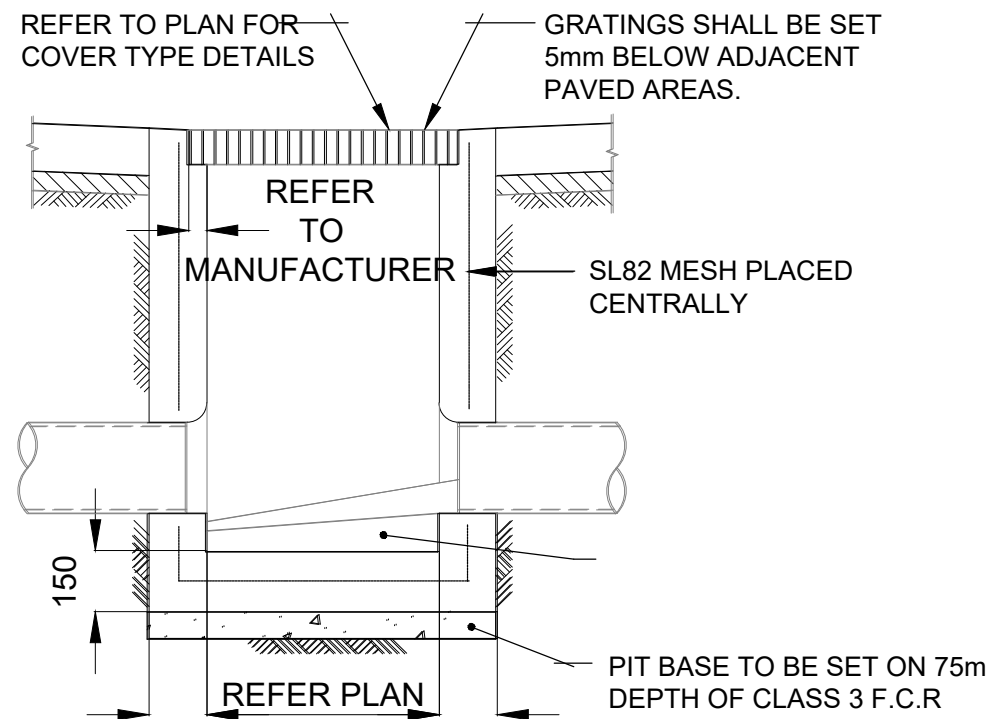
ON SITE DETENTION CRITERIA			
PERMITTED SITE DISCHARGE	42.56l/s		
TOP WATER LEVEL (TWL)	108.00		
HEAD	750mm		
DIA. OF ORIFICE	159mm		
VOLUME REQUIRED	15.20 cu.m		
450 dia.	100.0m	15.90 cu.m	
	TOTAL	15.90 cu.m	



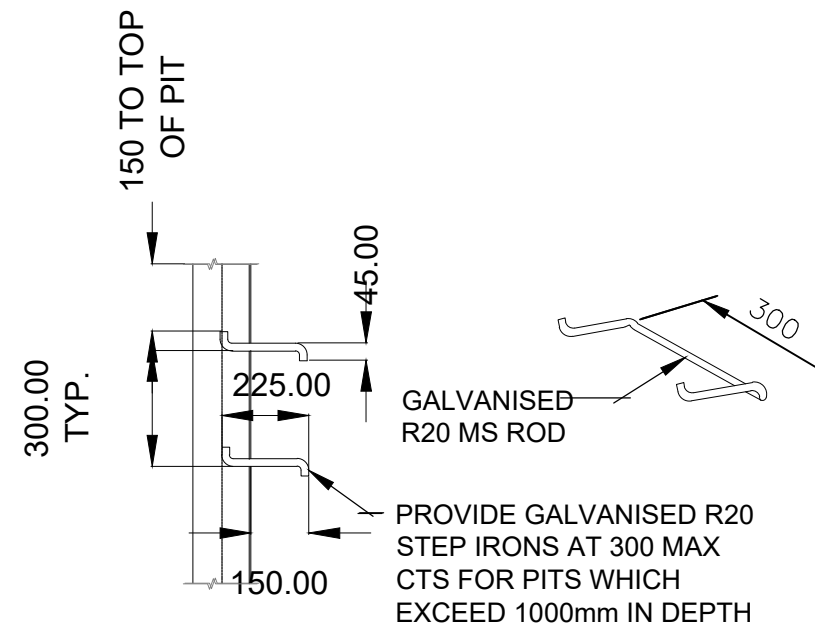
PIPE LAYING DETAIL - LANDSCAPE AREAS

NOTE:

- IN REACTIVE SOILS OR WHERE TRENCH IS NEAR FOUNDATIONS, CLAY OR IMPERVIOUS MATERIAL SHALL BE USED AS BACKFILL. WHERE POSSIBLE, MAINTAIN 1.5m HORIZONTAL CLEARANCE FROM BUILDINGS.
- FOR REINFORCED CONCRETE PIPES IF DIAMETER GREATER THAN 300mm, USE A BEDDING DEPTH OF 100mm OF 20mm OR LESS NOMINAL SIZE CLASS 2 FCR.
- ALL TRENCHES OVER 1.5m DEPTH TO BE IN ACCORDANCE WITH THE CURRENT VICTORIAN MINES ACT, THE OH&S (CONFINED SPACES) REGULATIONS AND THE CODE OF PRACTICE FOR CONFINED SPACES.



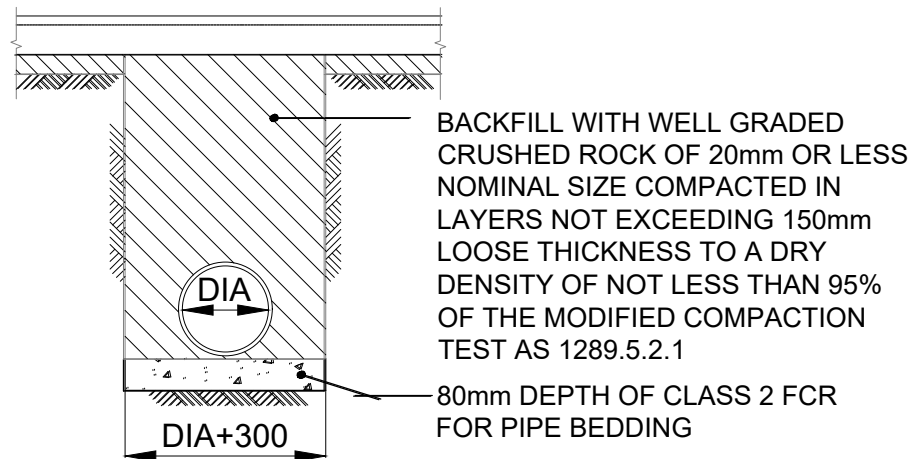
GRATED PIT DETAIL
(JUNCTION PIT SIMILAR)



TYPICAL STEP IRON DETAIL

NOTE:

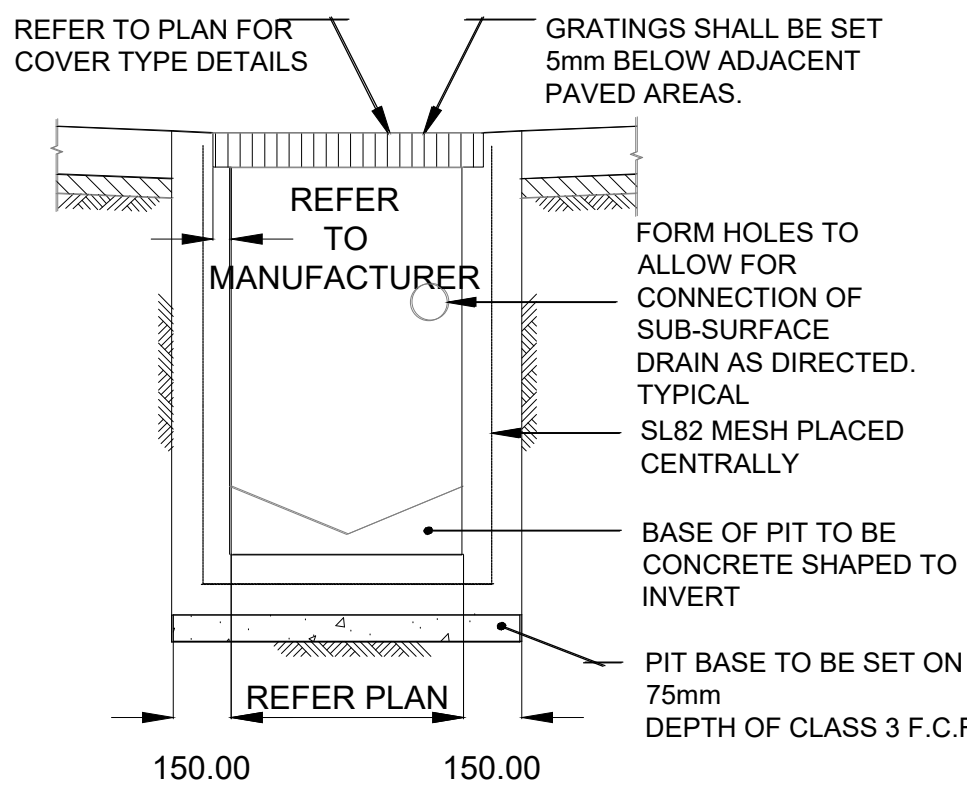
- STEP IRONS REQUIRED WHERE PIT DEPTH EXCEEDS 950mm
- ORIFICE PLATE MINIMUM DIMENSIONS TO BE THE GREATER OF 300 x 300 OR 3 x ORIFICE DIAMETER.
- PLATE FIXED BY CONSTRUCTION ADHESIVE TO PIT WALL IN ADDITION TO 4 x Ø0 STAINLESS STEEL VANDAL PROOF SHEAR-HEADTYPE MASONRY ANCHORS.
- PLATES TO BE MINIMUM 6mm THICKNESS, STAINLESS STEEL OR ZINC COATED.
- MESH TO BE BHP MAXIMESH RH 3030 OR EQUIVALENT EXPANDED STEEL MESH, ZINC COATED.
- MESH TO BE RETAINED BY MIN. 2No 40 x 40 x 5 EA x 300 LONG, FIXED TO PIT WALLS.
- MESH TO BE AFFIXED TO BRACKET BY MIN 2 x 10mm ZINC/S.S NUT AND BOLT WELDED IN PLACE.
- MESH LENGTH (ORIFICE GREATER THAN 100mm) TO BE ORIFICE AREA (IN mm) DIVIDED BY 12.
- PIT COVER TO BE BOLTED DOWN HEAVY DUTY TYPE GRATED ONLY.
- PIT SUMP DEPTH NOT TO BE LESS THAN ORIFICE DIAMETER.
- PIT WALLS AND BASE TO BE MIN 150mm THICK f_c 25MPa CONCRETE



PIPE LAYING DETAIL - PAVED AREAS

NOTE:

- IN REACTIVE SOILS OR WHERE TRENCH IS NEAR FOUNDATIONS, CLAY OR IMPERVIOUS MATERIAL SHALL BE USED AS BACKFILL. WHERE POSSIBLE, MAINTAIN 1.5m HORIZONTAL CLEARANCE FROM BUILDINGS.
- FOR REINFORCED CONCRETE PIPES IF DIAMETER GREATER THAN 300mm, USE A BEDDING DEPTH OF 100mm OF 20mm OR LESS NOMINAL SIZE CLASS 2 FCR.
- ALL TRENCHES OVER 1.5m DEPTH TO BE IN ACCORDANCE WITH THE CURRENT VICTORIAN MINES ACT, THE OH&S (CONFINED SPACES) REGULATIONS AND THE CODE OF PRACTICE FOR CONFINED SPACES.



NOTE:

- ALL GRATED LIDS ARE TO BE FABRICATED TO SUIT INVERT PROFILE
- OF PAVEMENT OR ROAD.
- ALL JUNCTION PIT LIDS TO BE CAST IRON, CONCRETE INFILL
- TYPE
- UNLESS NOTED OTHERWISE. REFER TO PIT SCHEDULE OR PLAN FOR TYPE AND DIMENSIONS.
- FOR PITS GREATER THAN 1000mm IN DEPTH, PROVIDE STEP IRONS
- AT 300mm CTS AS PER DETAIL ON THIS DRAWING.
- CONCRETE TO BE NORMAL CLASS 32 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS1379 EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B1. TYPICAL VICROADS PIT DETAIL ONLY. REFER RELEVANT AUTHORITY STANDARD DRAWINGS FOR FURTHER INFORMATION.

REVISION: 01
DATE: 28/10/22

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P2 /02/10/23/ PRELIMINARY ISSUE RP /GM P1 /28/10/22/ PRELIMINARY ISSUE RP /MS				Client COBUILD				Project No. 221051				PRELIMINARY			
Rev Date Description By Cik				Designed Drawn Checked RP RP MS DO NOT SCALE DRAWINGS. IF IN DOUBT, ASK!				Scale @ A1 NTS				Drawing No. C331 Revision P2			