

**PPIC INSPECTION CHAMBER TYPE IC1
IN LANDSCAPING/PAVING <1.2M DEEP**

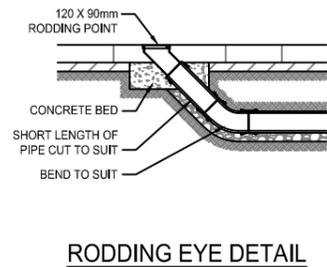
**PPIC INSPECTION CHAMBER TYPE IC2
IN DRIVEWAY >1.2M DEEP**

Type	Depth to invert from cover level (m)	Internal sizes		Cover sizes		
		Rectangular length and width	Circular diameter	Rectangular length and width	Circular diameter	
Rodding Eye		As drain but min 100			Same size as pipework (1)	
Access Fittings	small 150 dia	0.6 or less, except where situated in a chamber	150x100	150	150x100 (1)	Same size as access fitting
	large 225x100		225x100	225	225x100 (1)	
Inspection Chamber	Shallow	0.6 or less	225x100	190 (2)	-	190 (1)
	Deep	1.2 or less >1.2 but <3.0	450x450	450	Min 430x430 max 300x300 (3)	430 Access restricted to max 350 (3)

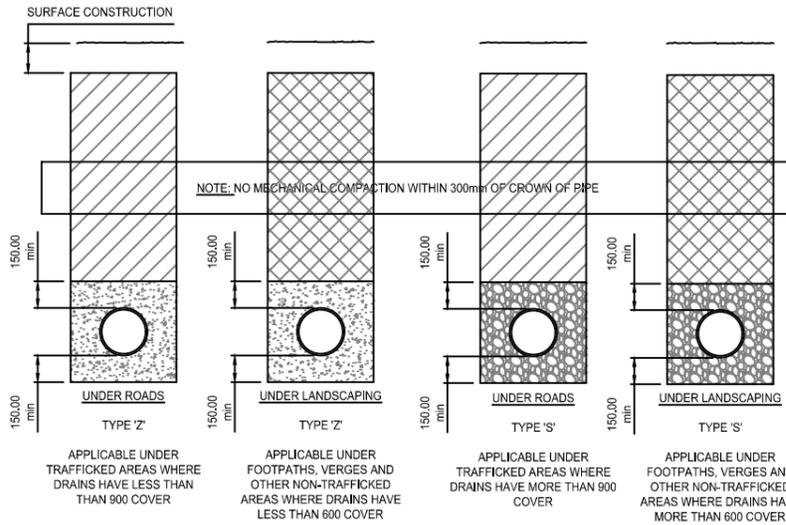
NOTES:
 (1) THE CLEAR OPENING MAY BE REDUCED BY 20MM IN ORDER TO PROVIDE PROPER SUPPORT FOR THE COVER AND FRAME.
 (2) DRAINS UP TO 150mm.
 (3) A LARGER CLEAR OPENING MAY BE USED IN CONJUNCTION WITH A RESTRICTED ACCESS. THE SIZE IS RESTRICTED FOR HEALTH AND SAFETY REASONS TO DETER ENTRY.

MH Ref	MH Type	Dia	Reduced Access	Location	Cover Spec	Cover Opening Dimension
S1	IC2	450	Y	Landscape	A15	450
S2	B	1200	N	Driveway	C250	600 x 600
S3 (flow control)	B (FC)*	1200	N	Driveway	C250	600 x 600
F1	IC1	450	N	Paving	A15	450
F2 (pump stn)	FC1	560	n/a	Landscape	A15	600 x 600
F3	IC1	450	N	Landscape	A15	450
F4	IC2	450	Y	Driveway	C250	450
F5	IC2	450	Y	Driveway	C250	450

* see dwg A1-UTL-DDG-XX-DR-D102 for flow control chamber detail



- NOTES
- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS MUST BE CHECKED/ VERIFIED ON SITE. IF IN DOUBT ASK.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
 - ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
 - REFER TO DRAWING A3-UTL-DDG-XX-DR-D-501 and 502 FOR DRAINAGE LAYOUT.
 - REFER TO MANUFACTURER'S INSTALLATION GUIDANCE FOR ALL SPECIFIED PRODUCTS.
 - ALL WORKS TO COMPLY WITH BUILDING REGULATIONS GUIDANCE AND LABC TECHNICAL MANUAL.
 - INSPECTION AND MAINTENANCE FREQUENCY: ALL PIPEWORK, SILT TRAPS, CATCHPITS, GULLIES, ATTENUATION TANKS AND PUMP CHAMBERS TO BE INSPECTED AND CLEARED OUT EVERY THREE MONTHS FOR THE FIRST NINE MONTHS. AFTER NINE MONTHS FREQUENCY TO BE EVERY SIX MONTHS. PUMP SETS TO BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER/PUMP PROVIDER'S RECOMMENDATIONS.



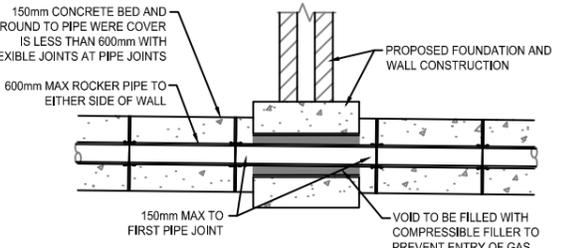
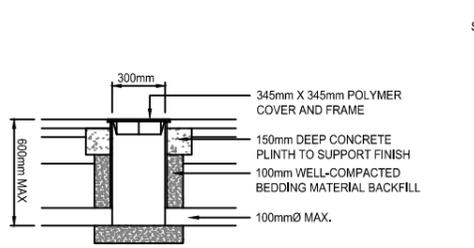
DRAINS WITH CONCRETE (TYPE Z) BED AND SURROUND **DRAINS WITH GRANULAR (TYPE S) BED AND SURROUND**

DRAIN SURROUND DETAILS

PIPE DIAMETER	AGGREGATE	
	NOMINAL SINGLE-SIZED	GRADED
UP TO 100mm	10mm	
OVER 100mm TO 150mm	10mm 14mm	14mm TO 5mm
OVER 150mm TO 300mm	10mm 14mm 20mm	14mm TO 5mm 20mm TO 5mm
OVER 300mm TO 550mm	14mm 20mm	14mm TO 5mm 20mm TO 5mm
OVER 550mm	14mm 20mm 40mm	14mm TO 5mm 20mm TO 5mm 40mm TO 5mm

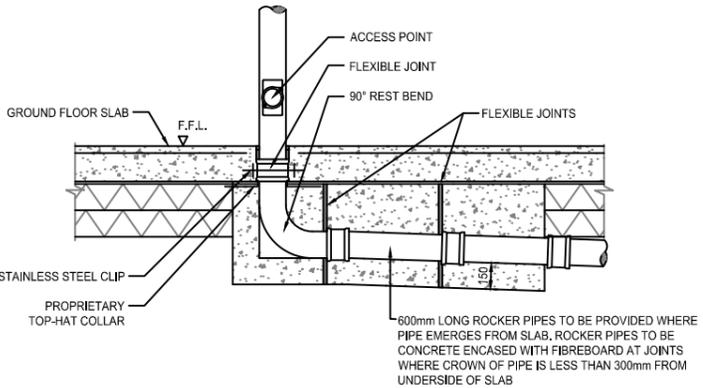
KEY

- GRANULAR MATERIAL COMPLYING WITH IGN 4-08-01
- SELECTED EXCAVATED MATERIAL, COMPLYING WITH CLAUSE 2.49 AND 3.6 OF 'CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY - 6TH EDITION' IN LAYERS NOT EXCEEDING 225mm UNCONSOLIDATED THICKNESS, AND THEN FULLY COMPACTED TO FORM A STABLE BACKFILL
- GRANULAR SUB-BASE MATERIAL (DOT TYPE 1) DEPOSITED IN LAYERS NOT EXCEEDING 225mm UNCONSOLIDATED THICKNESS THEN FULLY COMPACTED
- GEN 1 ST2 CONCRETE SURROUND

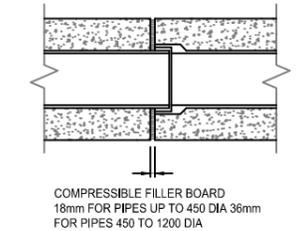


**PPIC INSPECTION CHAMBER TYPE IC3
300mmØ MINI ACCESS CHAMBER**

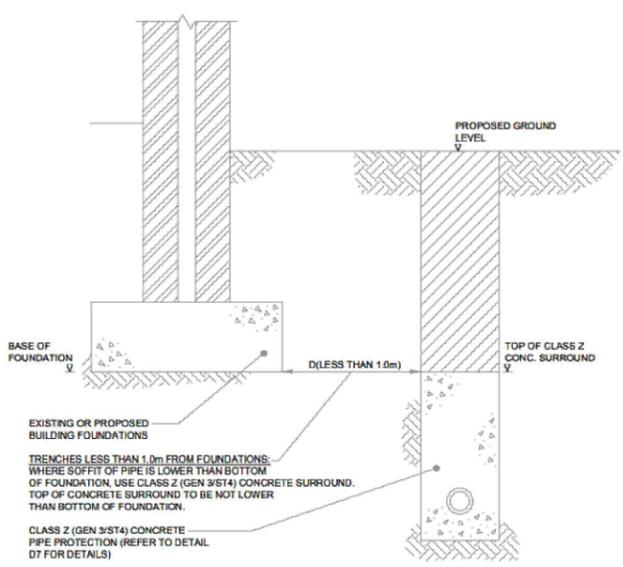
PIPE THROUGH FOUNDATION TYPICAL DETAIL



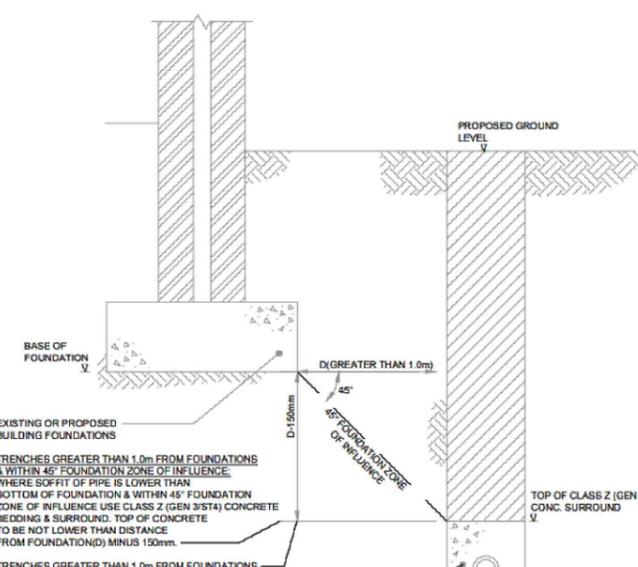
TYPICAL DETAIL SHOWING SVP THROUGH SLAB



**PIPE JOINT DETAILS
(DRAINS WITH CONCRETE BED/SURROUND)**



DRAINAGE TRENCH LESS THAN 1.0m FROM EXISTING/PROPOSED FOUNDATIONS



DRAINAGE TRENCH GREATER THAN 1.0m FROM EXISTING/PROPOSED FOUNDATIONS

PIPE PROTECTION ADJACENT TO EXISTING/PROPOSED FOUNDATIONS

P2	28.01.24	MANHOLE SCHEDULE UPDATED	SZ
P1	AUG 23	PRELIMINARY ISSUE	SZ
Rev	Date	Details of issue / revision	Drw

ISSUES & REVISIONS

Client

Project Title
RESIDENTIAL DWELLING LAND OFF UPPER THONG LANE. HOLMFIRTH

Drawing Title
DRAINAGE DETAILS SHEET 1 OF 1

Scale	NTS	Drawn	SZ
Size	A1		

Drawing Status
PRELIMINARY

Drawing No.
A1-UTL-DDG-XX-DR-D-101

Revision
P2