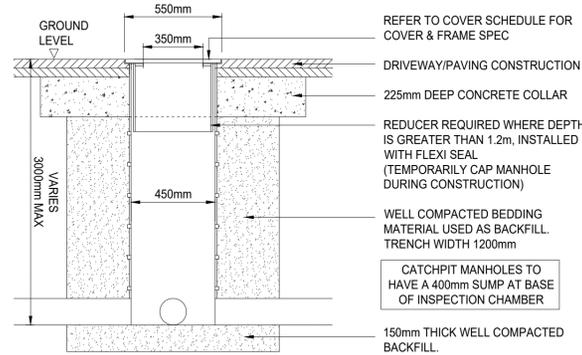


PPIC INSPECTION CHAMBER TYPE IC1  
IN LANDSCAPING/PAVING <1.2M DEEP

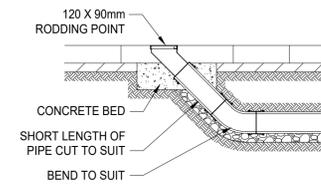


PPIC INSPECTION CHAMBER TYPE IC2  
IN DRIVEWAY >1.2M DEEP

TABLE 11 MIN. DIMENSIONS FOR ACCESS FITTINGS AND INSPECTION CHAMBERS					
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	0.6 or less, except where situated in a chamber	150x100	150	150x100 (1)	Same size as access fitting
large		225x100	225	225x100 (1)	
Inspection Chamber					
Shallow	0.6 or less	225x100	190 (2)	-	190 (1)
Deep	1.2 or less	450x450	450	Min 430x430	430
	>1.2 but <3.0	450x450	450	max 300x300 (3)	Access restricted to max 350 (3)

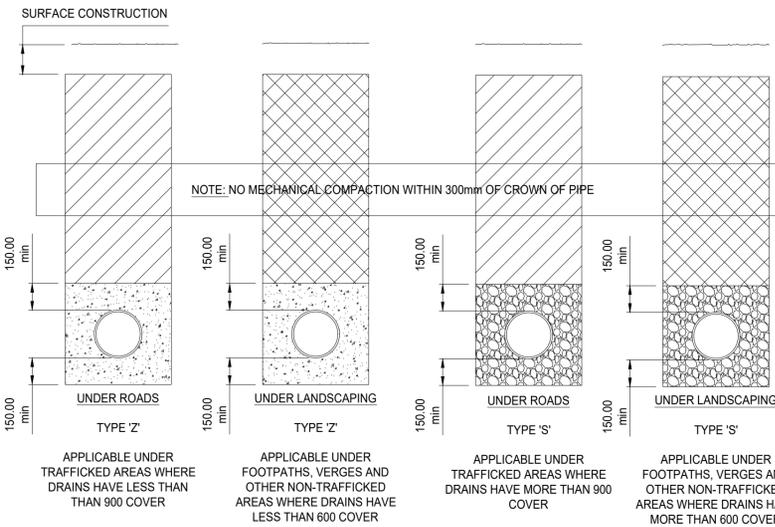
NOTES:  
 (1) THE CLEAR OPENING MAY BE REDUCED BY 20MM IN ORDER TO PROVIDE PROPER SUPPORT FOR THE COVER AND FRAME.  
 (2) DRAINS UPTO 150mm.  
 (3) A LARGER CLEAR OPENING MAY BE USED IN CONJUNCTION WITH A RESTRICTED ACCESS. THE SIZE IS RESTRICTED FOR HEALTH AND SAFETY REASONS TO DETER ENTRY.

MH Ref	MH Type	Dia	Reduced Access	Location	Cover Spec	Cover Opening Dimensions
S1	IC1	450	N	Landscape	A15	450
S2	IC2	450	Y	Driveway	C250	450
S3	B	1800	N	Driveway	C250	675 x 675
S4 (FLOW CONTROL)	B(FC)	1800	N	Driveway	C250	Recessed 675 x 675 (60mm)
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	Recessed 450 x 450 (60mm)



RODDING EYE 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-BWB-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

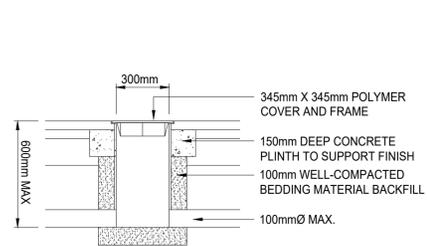
DRAIN SURROUND DETAILS

SIZING OF BEDDING MATERIAL TO IGN 4-08-01

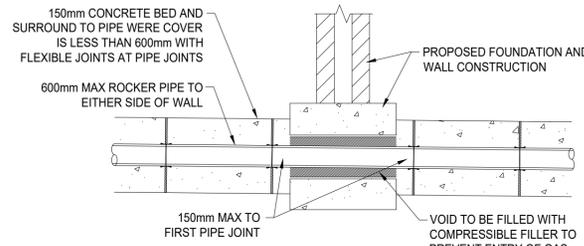
PIPE DIAMETER	AGGREGATE	
	NOMINAL SINGLE-SIZED	GRADED
UP TO 100mm	10mm	
OVER 100mm TO 150mm	10mm 14mm	14mm TO 5mm
OVER 150mm TO 300mm	10mm 14mm 20mm	14mm TO 5mm 20mm TO 5mm
OVER 300mm TO 550mm	14mm 20mm	14mm TO 5mm 20mm TO 5mm
OVER 550mm	14mm 20mm 40mm	14mm TO 5mm 20mm TO 5mm 40mm TO 5mm

KEY

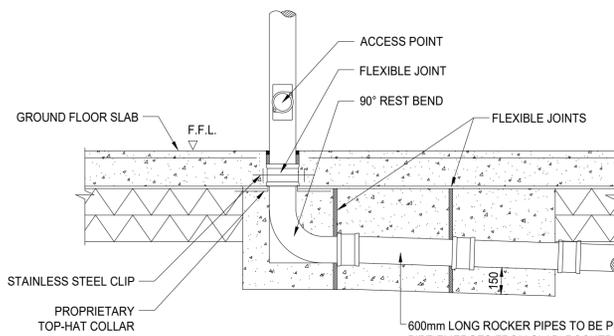
- GRANULAR MATERIAL COMPLYING WITH IGN 4-08-01
- SELECTED EXCAVATED MATERIAL, COMPLYING WITH CLAUSE 2.49 AND 3.6 OF 'CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY - 6TH EDITION' IN LAYERS NOT EXCEEDING 225mm UNCONSOLIDATED THICKNESS, AND THEN FULLY COMPACTED TO FORM A STABLE BACKFILL
- GRANULAR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



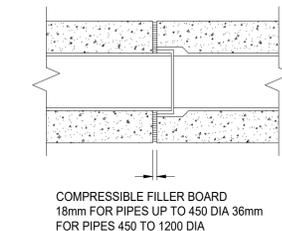
PPIC INSPECTION CHAMBER TYPE IC3  
300mmØ MINI ACCESS CHAMBER



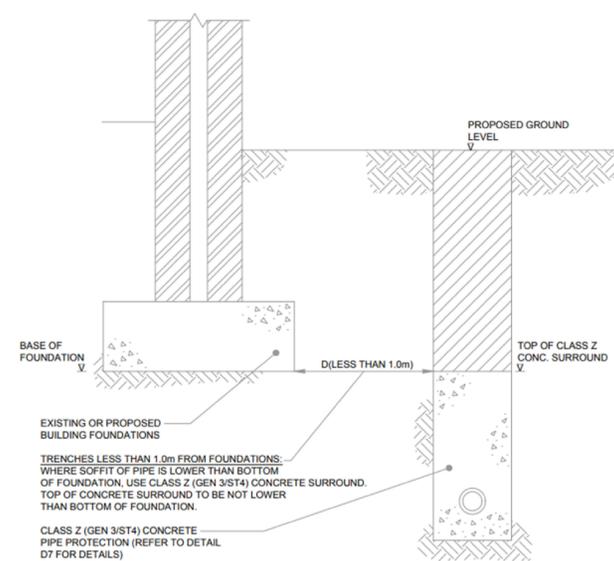
PIPE THROUGH FOUNDATION TYPICAL DETAIL



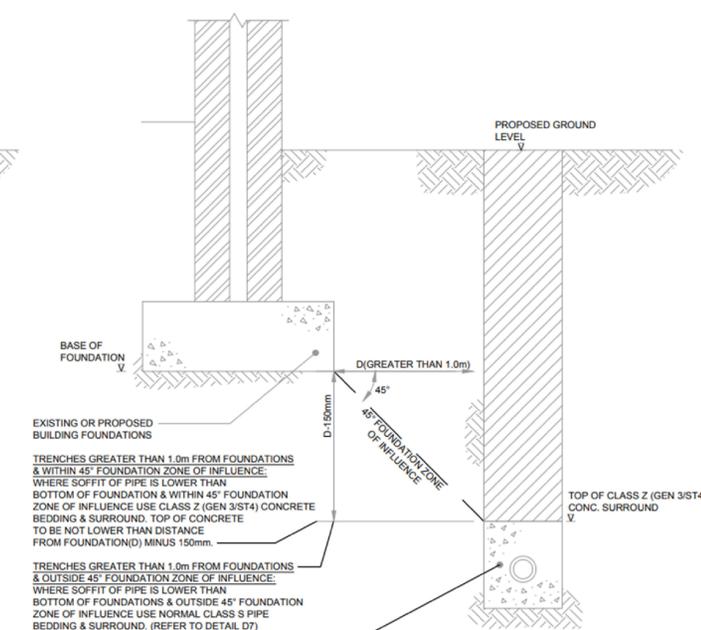
TYPICAL DETAIL SHOWING SVP THROUGH SLAB



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

P1	AUG 23	PRELIMINARY ISSUE	KS	SZ
Rev	Date	Details of issue / revision	Draw	Rev

ISSUES & REVISIONS

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Client

Project Title  
**RESIDENTIAL DWELLING  
LAND OFF UPPERTHONG  
LANE. HOLMFIRTH**

Drawing Title  
**DRAINAGE DETAILS  
SHEET 1 OF 1**

Scale	NTS	Drawn	KS
Size	A1	Reviewed	SZ

Drawing Status  
**PRELIMINARY**

Drawing No. <b>A1-UTL-BWB-DDG-XX-DR-D-101</b>	Revision <b>P1</b>
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