

PIPE SPECIFICATION (SCALE 1:10)

STANDARD PIPE INFORMATION	
PRODUCT CODE:	P1103000
A - PIPE INNER DIAMETER	1050 mm
B - PIPE OUTER DIAMETER	1112 mm
C - SPIGOT OUTER DIAMETER	1124 mm
D - SOCKET OUTER DIAMETER	1138 mm
E - SOCKET OUTER DIAMETER INCLUDING FLARE	1150 mm
F - EFFECTIVE LENGTH	3000 mm
G - OVERALL LENGTH	3180 mm
NOMINAL WEIGHT (KG)	140 kg
NO. OF PIPES PER FULL LOAD	16
METRES PER FULL LOAD	48 m

STUBS:	
NOMINAL DIAMETER	1050 mm
EFFECTIVE LENGTH	1500 mm
PRODUCT CODE - PLAIN END/SPIGOT	P1101501
PRODUCT CODE - PLAIN END/SOCKET	P1101502

SHORT-TERM RING STIFFNESS	6 kN/m <sup>2</sup>
LONG-TERM RING STIFFNESS	5.1 kN/m <sup>2</sup>

NOTE: MANUFACTURING TOLERANCES ON ALL DIAMETERS TO ±6mm AND ALL LENGTHS TO ±50mm



ISOMETRIC VIEW (SCALE 1:15)

NOTE:  
THIS DRAWING HAS BEEN PRODUCED FOR THE PURPOSE OF OFFERING A PROPOSED SOLUTION TO ASSIST THE PROJECT ENGINEER WHEN ASSESSING THE SUITABILITY OF AQUASPIRA PRODUCTS. THE INFORMATION CONTAINED IN THIS DRAWING IS APPROPRIATE TO AQUASPIRA PRODUCTS ONLY. ALL REFERENCES TO ASSOCIATED CONSTRUCTION DETAILS ARE OFFERED AS TYPICAL DETAILS AND DO NOT TAKE INTO ACCOUNT THE PROJECT CONDITIONS. THE PROJECT ENGINEER/S MUST SATISFY THEMSELVES THAT THE INFORMATION PROVIDED IN THIS DRAWING IS SATISFACTORY.

NOTE:  
BS EN 9295:2020 SECTION A.10.3 STATES THAT ROCKER PIPES ARE NOT REQUIRED FOR AQUASPIRA PIPES. THIS DETAIL SHOWS A METHOD FOR BUILDING PIPES INTO MANHOLES UTILIZING HALF-LENGTH PIPES WHERE IT IS NOT PRACTICAL TO BUILD IN FULL LENGTH PIPES.

- NOTE:
- FOR DETAILS OF TRADITIONAL MANHOLE CONSTRUCTION REFER TO SEWERS FOR ADOPTION OR SEWERS FOR SCOTLAND.
  - ALL DIMENSIONS ARE NOMINAL AND IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
  - PLEASE REFER TO AQUASPIRA TECHNICAL MANUAL AND SITE HANDBOOK FOR DETAILED INFORMATION ON PIPE INSTALLATION.
  - ALL STAINLESS STEEL TO BE GRADE 304 AND 4mm THICK, UNLESS OTHERWISE SPECIFIED.
  - ALL PIPE SPECIFIED TO BE AQUASPIRA CSR PIPE.

PIPE BEDDING NOTES:

- PROCESSED GRANULAR MATERIAL TO INCLUDE AGGREGATES TO BS EN 12620:2002 AIR-COOLED BLAST FURNACE SLAG TO BS EN 12620:2002 AND LIGHTWEIGHT AGGREGATES TO BS EN 13055:2016.
- ALL TEMPORARY ENABLING WORKS ARE BY OTHERS.
- PROJECT ENGINEERS TO CONFIRM THE BACKFILL DETAILS ARE APPROPRIATE FOR THE SITE GROUND CONDITIONS AND LOADING CRITERIA.
- DURING CONSTRUCTION, HA40/01 SECTION 2.3 RECOMMENDS MINIMUM 1m COVER FOR PIPES SUBJECT TO CONSTRUCTION TRAFFIC LOADING.
- RECLAIMED AND SITE WON MATERIAL TO BE REVIEWED AND APPROVED BY MAIN PROJECT ENGINEER PRIOR TO USE AS BACKFILL.
- WHERE MINIMUM COVER DEPTHS SHOWN CANNOT BE ACHIEVED, A REINFORCED CONCRETE PROTECTION SLAB IS REQUIRED. FOR DETAILS PLEASE SEE AQUASPIRA TECHNICAL MANUAL.

FLOTATION:

PIPES ABOVE 1500Ø MAY REQUIRE MORE THAN 900mm COVER. PLEASE REFER TO AQUASPIRA TECHNICAL MANUAL.

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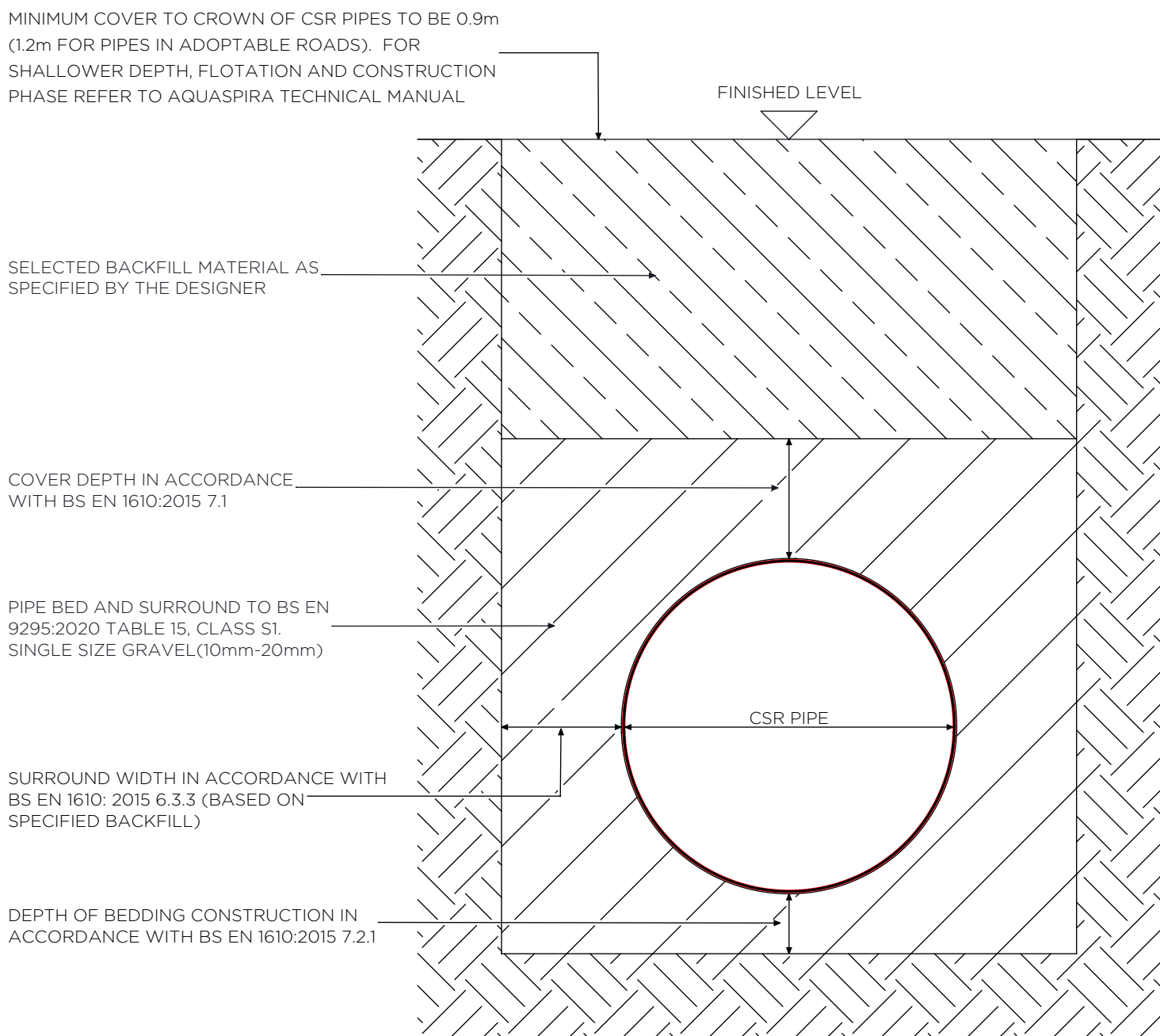
Drawing Title:  
CONSTRUCTION DETAIL AND DATA SHEET - 1050Ø CSR PIPE 3.0m

Date:	Scale:	Drawn:	Checked:
	AS SHOWN	JA	
Drawing No:		P1103000	A1

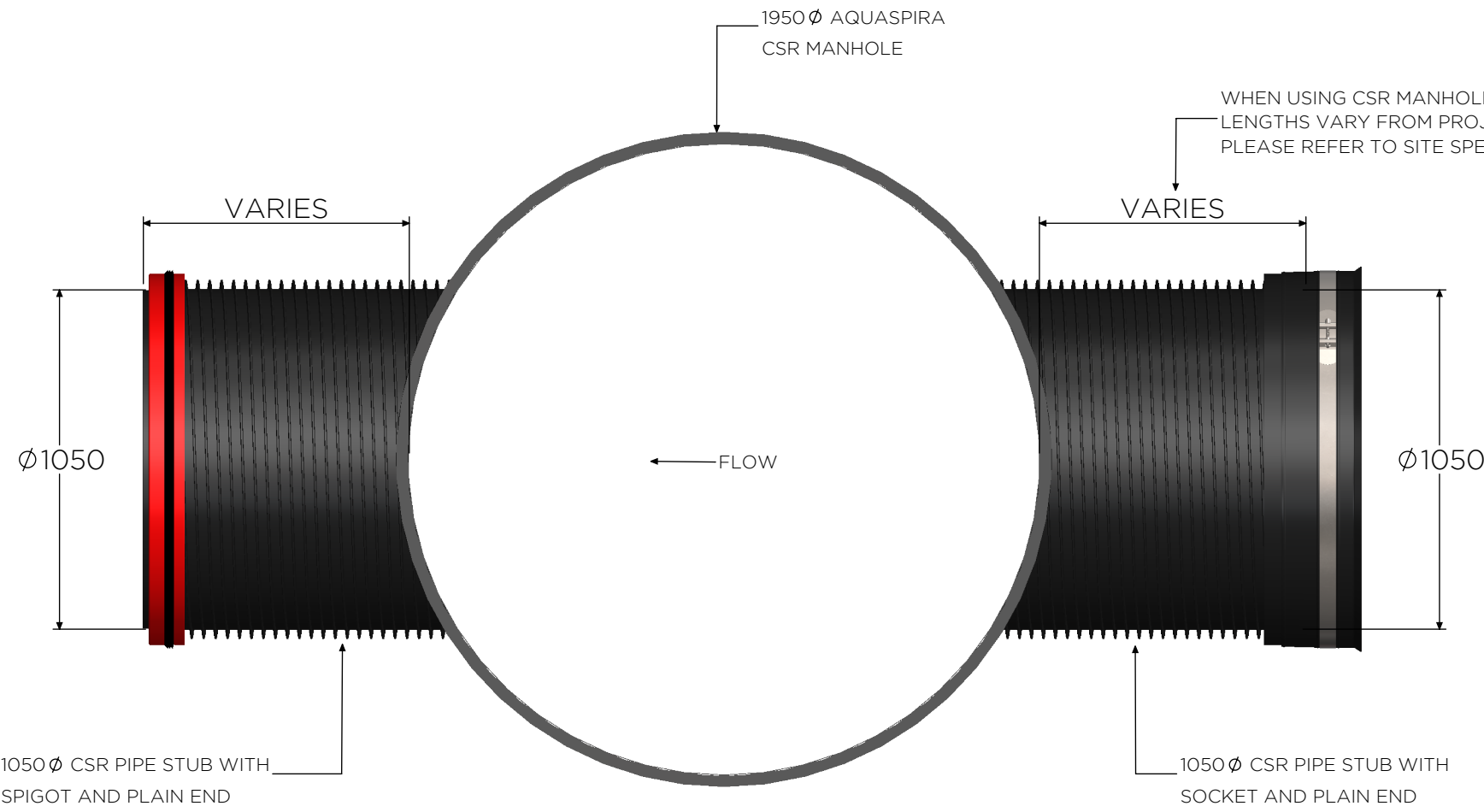
FOR SITE SPECIFIC DRAWINGS, DIMENSIONS AND STRUCTURAL CALCULATIONS, PLEASE EMAIL [tech@aquaspira.com](mailto:tech@aquaspira.com) or TEL: 01282 608510

FOR REFERENCE PURPOSES ONLY

AQUASPIRA PRE-FABRICATED PIPELINE ACCESS UNITS ARE ALSO AVAILABLE. PLEASE SEE <https://www.aquaspira.com/products/pipeline-access>



CSR SECTION BED AND SURROUND DETAIL  
(NOT TO SCALE)



PLAN VIEW

DETAILS OF AN AQUASPIRA CSR MANHOLE  
WITH CSR PIPE STUBS