

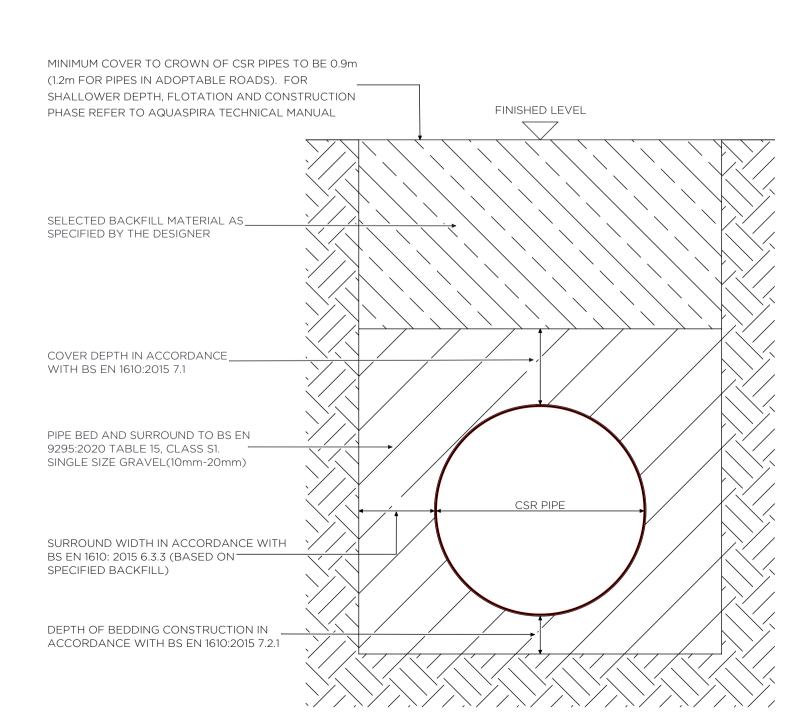
### PIPE SPECIFICATION (SCALE 1:10)

TANDARD PIPE INFORMATION	
PRODUCT CODE:	P1093000
A - PIPE INNER DIAMETER	900 mm
B - PIPE OUTER DIAMETER	962 mm
C - SPIGOT OUTER DIAMETER	974 mm
D - SOCKET OUTER DIAMETER	988 mm
E - SOCKET OUTER DIAMETER INCLUDING FLARE	1000 mm
F - EFFECTIVE LENGTH	3000 mm
G - OVERALL LENGTH	3180 mm
NOMINAL WEIGHT (KG)	113 kg
NO. OF PIPES PER FULL LOAD	20
METRES PER FULL LOAD	60 m

STUBS:		
NOMINAL DIAMETER	900 mm	
EFFECTIVE LENGTH	1500 mm	
PRODUCT CODE - PLAIN END/SPIGOT	P1091501	
PRODUCT CODE - PLAIN END/SOCKET	P1091502	

SHORT-TERM RING STIFFNESS	8 kN/m²
LONG-TERM RING STIFFNESS	6.8 kN/ <b>m²</b>

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



CSR SECTION BED AND SURROUND DETAIL (NOT TO SCALE)

<u>IOTE</u>:

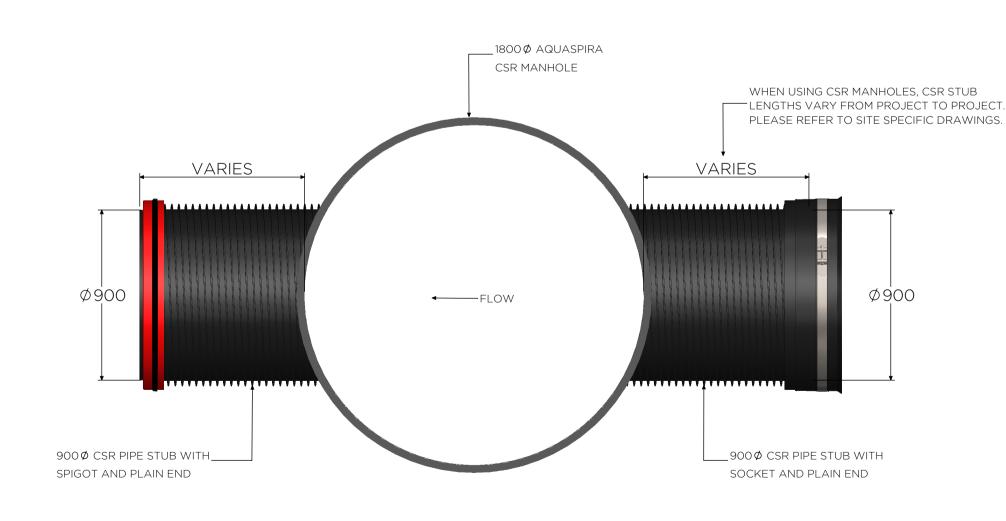
THIS DRAWING HAS BEEN PRODUCED FOR THE PURPOSE OF OFFERING A PROPOSED SOLUTION TO ASSIST THE PROJECT ENGINEER WHEN ASSESSING THE SUITABLITY OF AQUASPIRA PRODUCTS. THE INFORMATION CONTAINED IN THIS DRAWING IS APPROPRIATE TO AQUASPIRA PRODUCTS ONLY. ALL REFERENCES TO ASSOCIATED CONSTRUCTION DETAILS ARE 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.



ISOMETRIC VIEW (SCALE 1:15)

#### 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.



PLAN VIEW

DETAILS OF AN AQUASPIRA CSR MANHOLE
WITH CSR PIPE STUBS

# NOTE:

- 1. FOR DETAILS OF TRADITIONAL
  MANHOLE CONSTRUCTION REFER TO
  SEWERS FOR ADOPTION OR SEWERS
  FOR SCOTLAND.
- ALL DIMENSIONS ARE NOMINAL AND IN MILLIMETERS UNLESSS OTHERWISE

3. PLEASE REFER TO AQUASPIRA

- TECHNICAL MANUAL AND SITE
  HANDBOOK FOR DETAILED
  INFORMATION ON PIPE INSTALLATION.
- 4. ALL STAINLESS STEEL TO BE GRADE 304 AND 4mm THICK, UNLESS OTHERWISE SPECIFIED.
- 5. ALL PIPE SPECIFIED TO BE AQUASPIRA CSR PIPE.

## PIPE BEDDING NOTES:

- 1. 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.
- 2. ALL TEMPORARY ENABLING WORKS ARE BY OTHERS.
- 3. PROJECT ENGINEERS TO CONFIRM THE BACKFILL DETAILS ARE APPROPRIATE FOR THE SITE GROUND CONDITIONS AND LOADING CRITERIA.
- 4. DURING CONSTRUCTION, HA40/01
  SECTION 2.3 RECOMMENDS MINIMUM 1m
  COVER FOR PIPES SUBJECT TO
  CONSTRUCTION TRAFFIC LOADING.
- 5. RECLAIMED AND SITE WON MATERIAL TO BE REVIEWED AND APPROVED BY MAIN PROJECT ENGINEER PRIOR TO USE AS BACKFILL.
- 6. 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 1500 Ø MAY REQUIRE MORE THAN 900mm COVER. PLEASE REFER TO AQUASPIRA TECHNICAL MANUAL.

# aquaspira

Drawing Title:

CONSTRUCTION DETAIL AND DATA SHEET - 900 Ø CSR PIPE 3.0m

FOR REFERENCE
PURPOSES ONLY
AQUASPIRA PRE
https://www.aqu

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

Date: Scale: Drawn: Checked: AS SHOWN JA

Drawing No: P1093000 A1