

PIPE SPECIFICATION (SCALE 1:10)

STANDARD PIPE INFORMATION	
PRODUCT CODE:	P1083000
A - PIPE INNER DIAMETER	825 mm
B - PIPE OUTER DIAMETER	887 mm
C - SPIGOT OUTER DIAMETER	899 mm
D - SOCKET OUTER DIAMETER	913 mm
E - SOCKET OUTER DAIMETER INCLUDING FLARE	925 mm
F - EFFECTIVE LENGTH	3000 mm
G - OVERALL LENGTH	3180 mm
NOMINAL WEIGHT (KG)	103 kg
NO. OF PIPES PER FULL LOAD	36
METRES PER FULL LOAD	108

STUBS:	
NOMINAL DIAMETER	825 mm
EFFECTIVE LENGTH	1500 mm
PRODUCT CODE - PLAIN END/SPIGOT	P1081501
PRODUCT CODE - PLAIN END/SOCKET	P1081502

SHORT-TERM RING STIFFNESS	8 kN/m ²
LONG-TERM RING STIFFNESS	6.8 kN/m ²

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



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.

NOTE:

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

aquaspira

Drawing Title:

CONSTRUCTION DETAIL AND DATA SHEET - 825Ø CSR PIPE 3.0m

Date: Scale: AS SHOWN Drawn: JA Checked:

Drawing No: P1083000 A1

MINIMUM COVER TO CROWN OF CSR PIPES TO BE 0.9m (1.2m FOR PIPES IN ADOPTABLE ROADS). FOR SHALLOWER DEPTH, FLOTATION AND CONSTRUCTION PHASE REFER TO AQUASPIRA TECHNICAL MANUAL

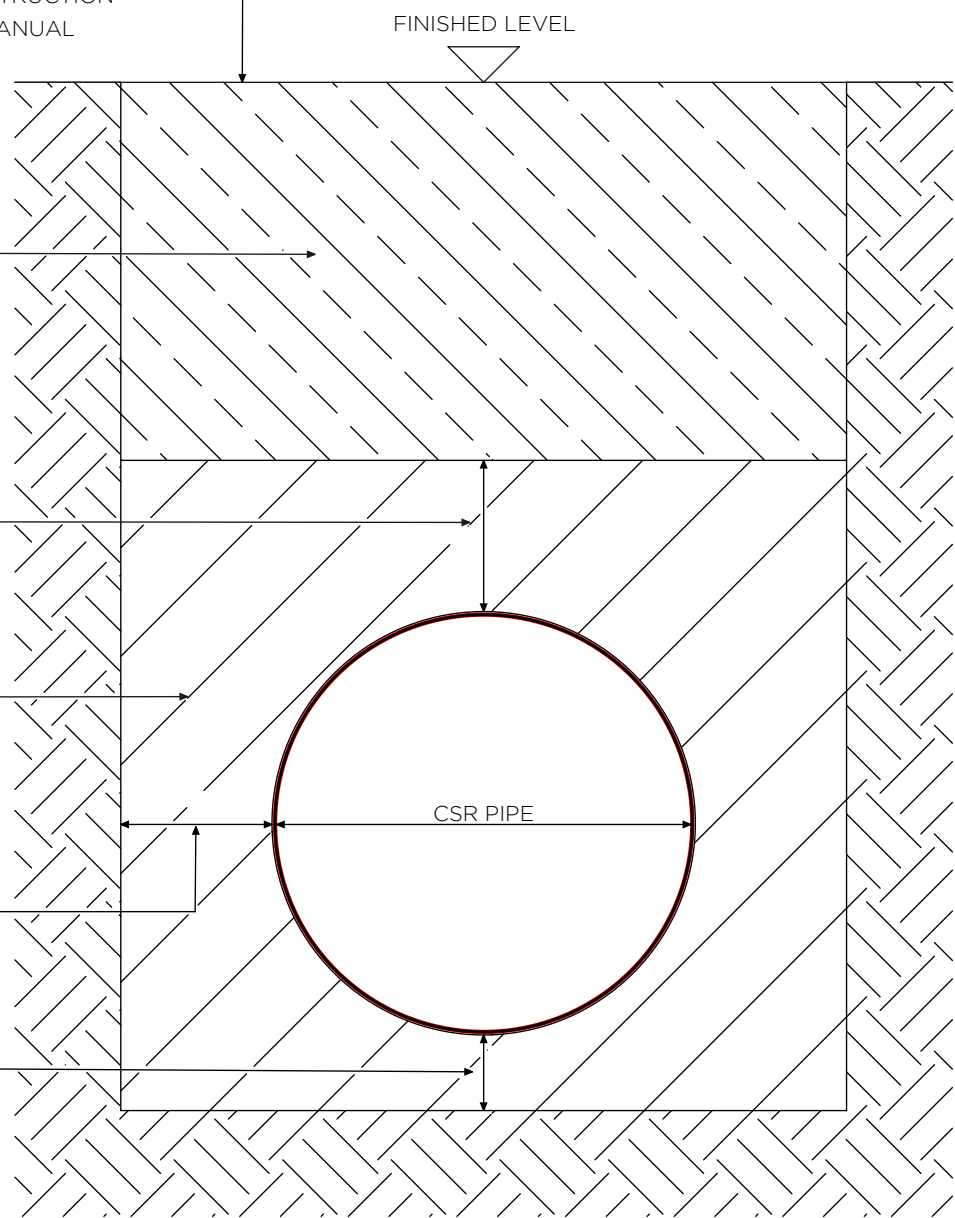
SELECTED BACKFILL MATERIAL AS SPECIFIED BY THE DESIGNER

COVER DEPTH IN ACCORDANCE WITH BS EN 1610:2015 7.1

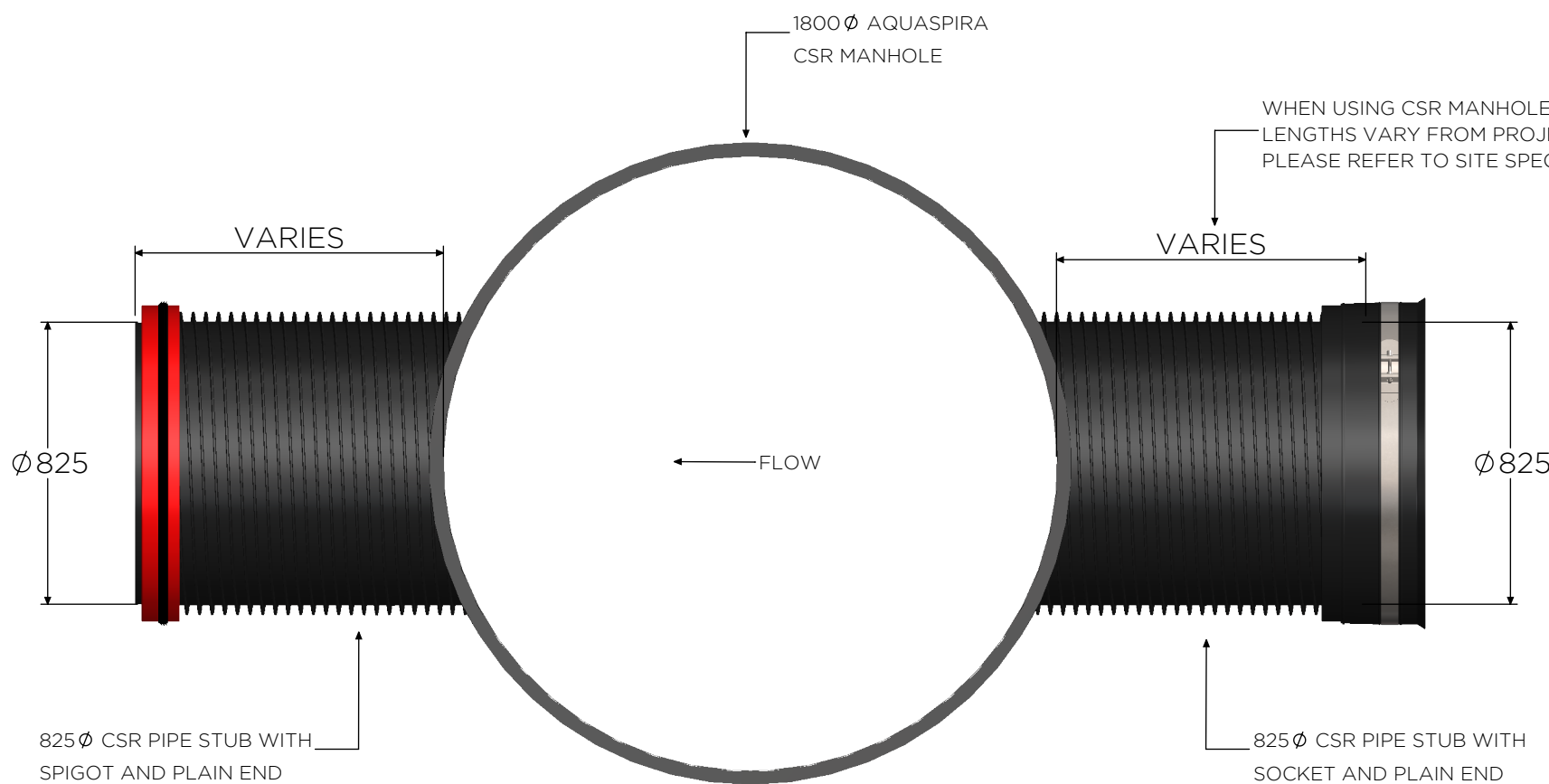
PIPE BED AND SURROUND TO BS EN 9295:2020 TABLE 16, CLASS S1. SINGLE SIZE GRAVEL(10mm-20mm)

SURROUND WIDTH IN ACCORDANCE WITH BS EN 1610: 2015 6.3.3 (BASED ON SPECIFIED BACKFILL)

DEPTH OF BEDDING CONSTRUCTION IN ACCORDANCE WITH BS EN 1610:2015 7.2.1



CSR SECTION BED AND SURROUND DETAIL
(NOT TO SCALE)



PLAN VIEW

DETAILS OF AN AQUASPIRA CSR MANHOLE
WITH CSR PIPE STUBS

FOR SITE SPECIFIC DRAWINGS, DIMENSIONS AND STRUCTURAL CALCULATIONS, PLEASE EMAIL 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>