

PIPE SPECIFICATION (SCALE 1:10)

STANDARD PIPE INFORMATION	
PRODUCT CODE:	P1133000
A - PIPE INSIDE DIAMETER	1350 mm
B - PIPE OUTSIDE DIAMETER	1432 mm
C - SPIGOT OUTSIDE DIAMETER	1444 mm
D - SOCKET OUTSIDE DIAMETER	1458 mm
E - SOCKET OUTSIDE DIAMETER INCLUDING FLARE	1470 mm
F - EFFECTIVE LENGTH	3000 mm
G - OVERALL LENGTH	3180 mm
NOMINAL WEIGHT (KG)	214 kg
NO. OF PIPES PER FULL LOAD	16
METRES PER FULL LOAD	48 m

STUBS:	
NOMINAL DIAMETER	1350 mm
EFFECTIVE LENGTH	1500 mm
PRODUCT CODE - PLAIN END/SPIGOT	P1131501
PRODUCT CODE - PLAIN END/SOCKET	P1131502

SHORT-TERM RING STIFFNESS	4 kN/m ²
LONG-TERM RING STIFFNESS	3.4 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 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:

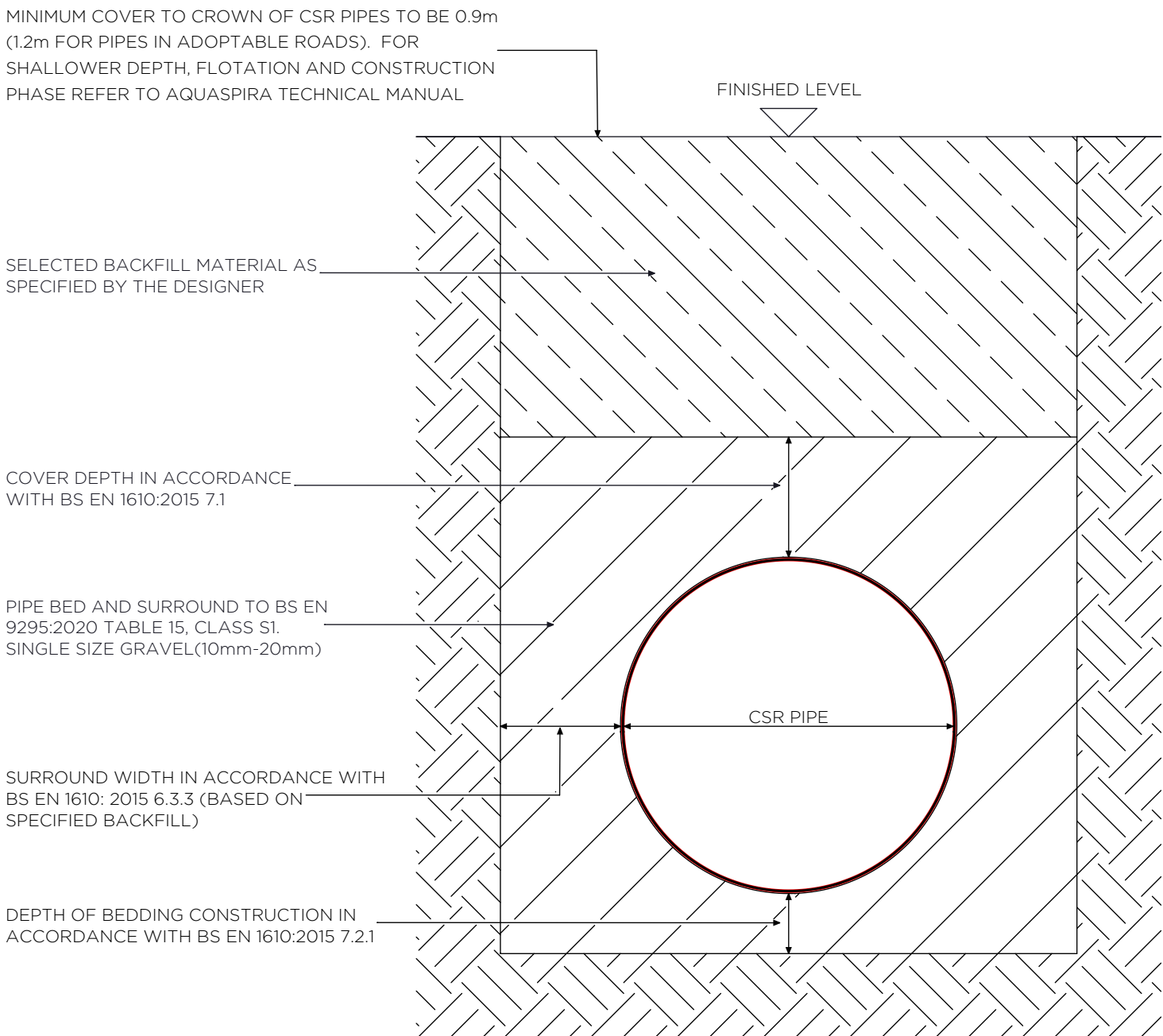
PIPES ABOVE 1500Ø MAY REQUIRE MORE THAN 900mm COVER. PLEASE REFER TO AQUASPIRA TECHNICAL MANUAL.

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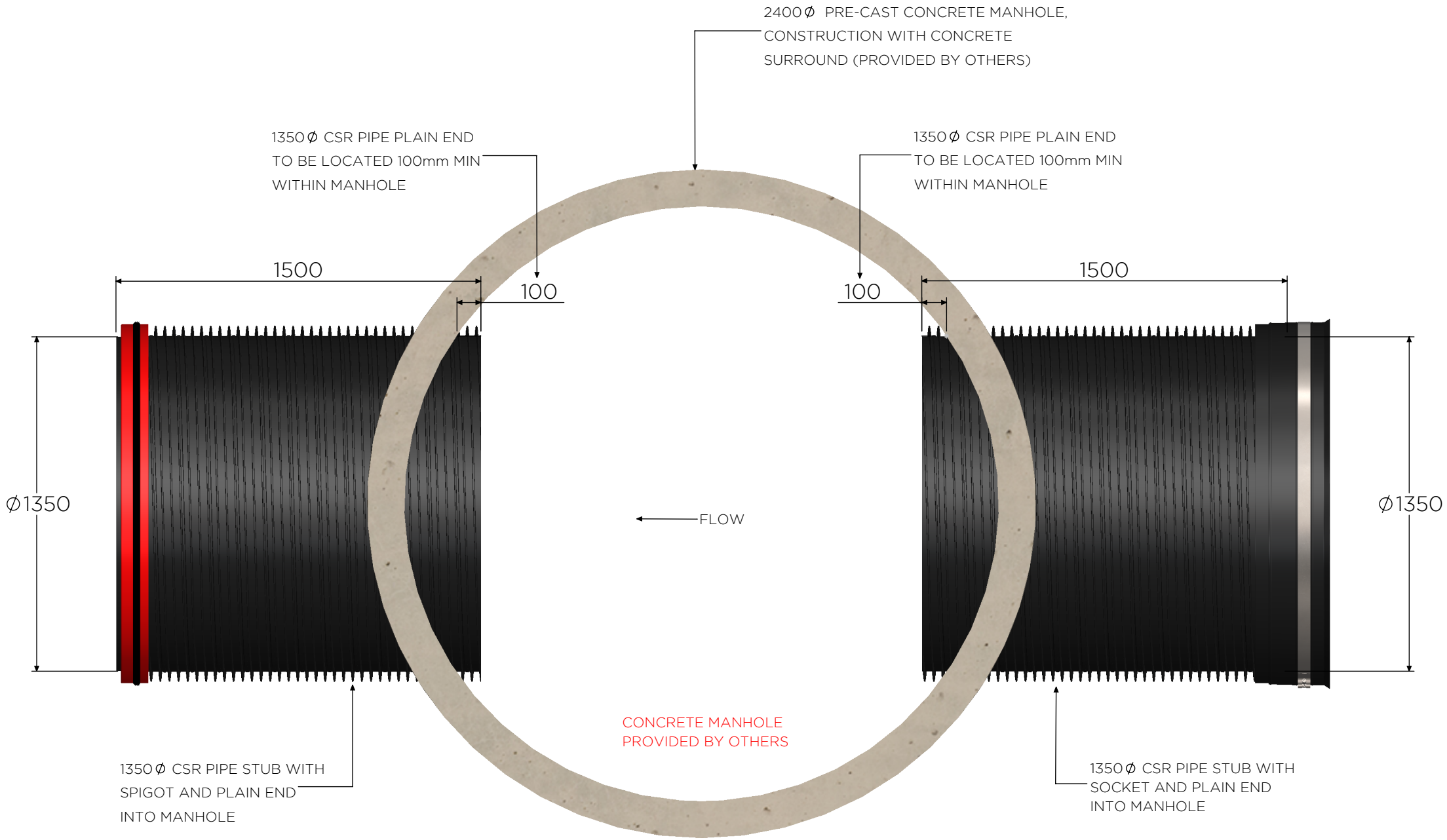
Drawing Title:
CONSTRUCTION DETAIL AND DATA SHEET -
1350 Ø CSR PIPE 3.0m

Date: Scale: Drawn: Checked:
AS SHOWN JA

Drawing No: P1133000 A1



CSR SECTION BED AND SURROUND DETAIL
(NOT TO SCALE)



PLAN VIEW

DETAILS OF PRE-CAST CONCRETE 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>