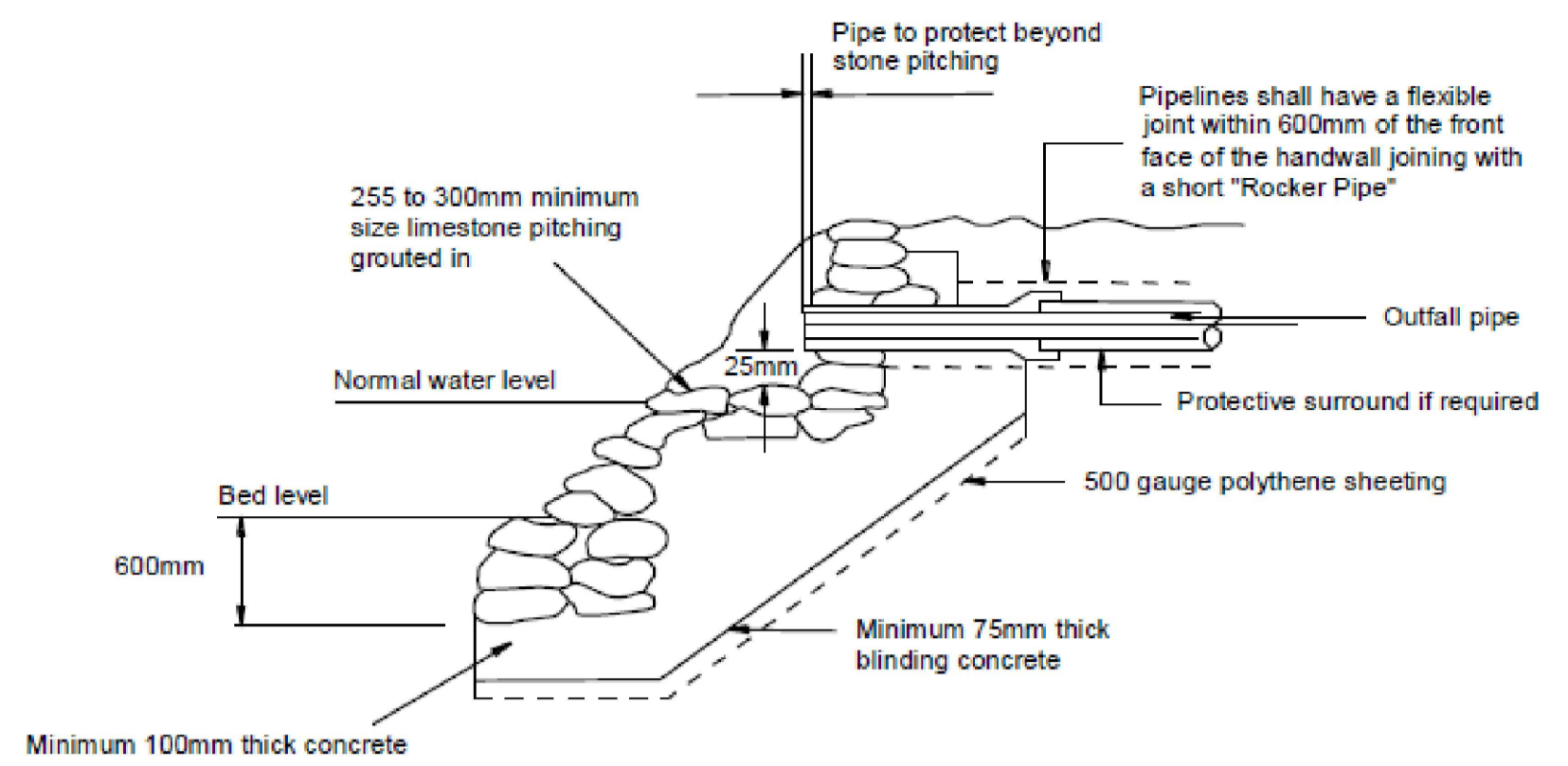


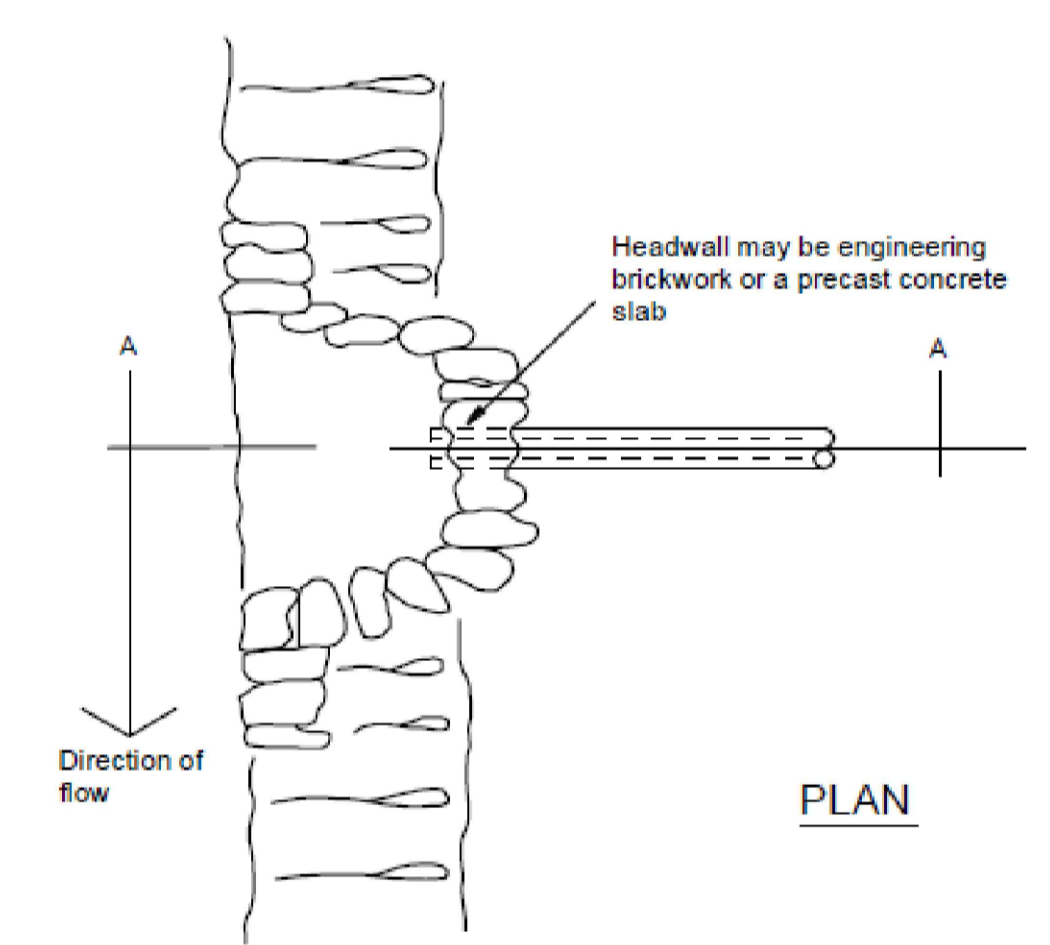
- NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 2. DO NOT SCALE FROM THIS DRAWING, USE FIGURE DIMENSIONS ONLY.
 3. SPECIFICATION TO BE THE STOCKTON BOROUGH COUNCIL HIGHWAYS DESIGN GUIDE. SPECIFIC ATTENTION IS DRAWN TO THE CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS 2007 DEFINED WITHIN THE STATUTORY REQUIREMENTS CHAPTER.



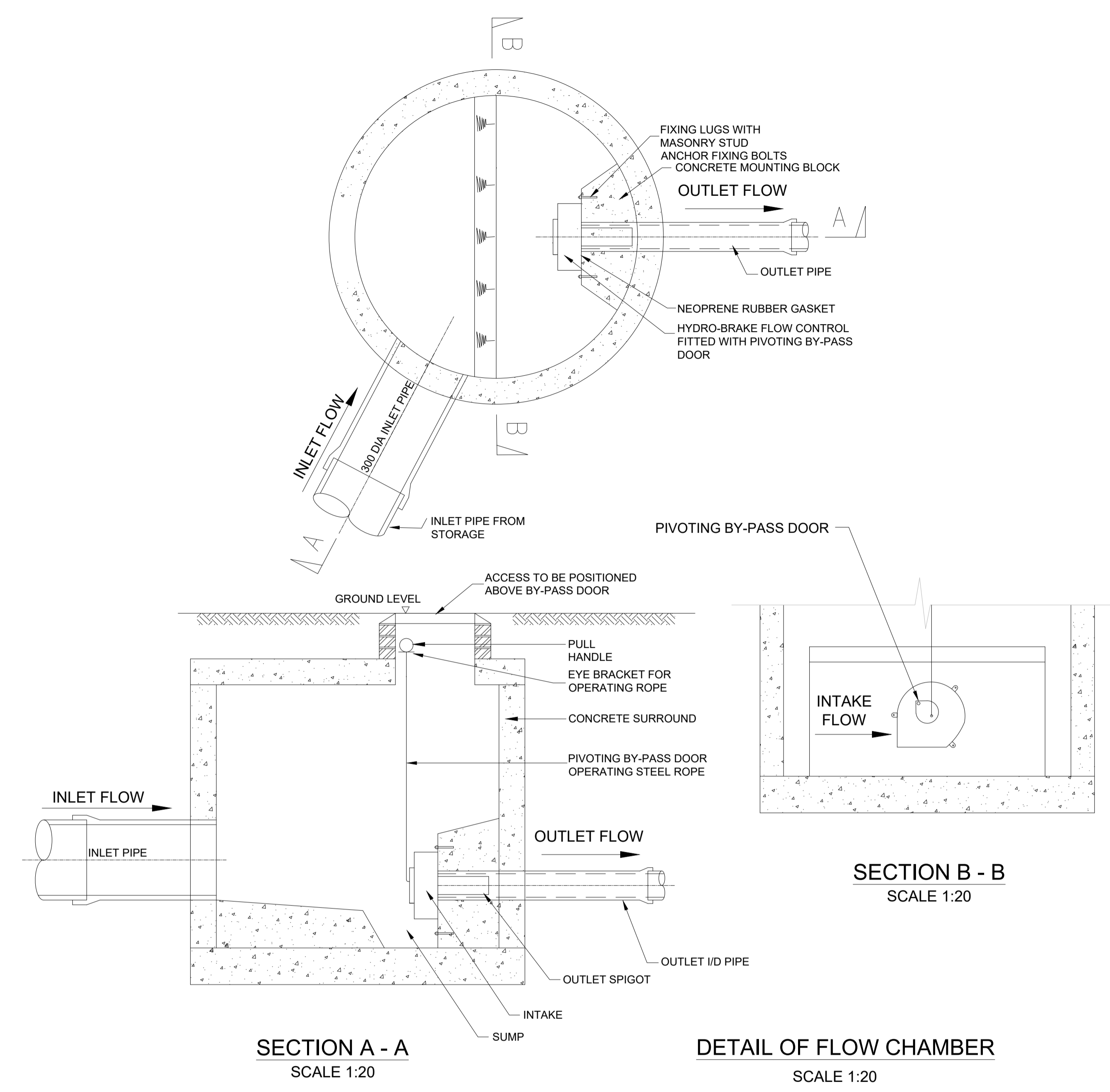
SECTION TAKEN ON LINE A - A

- GENERAL NOTES
1. The exact location of the outfall must be indicated.
 2. Pipe outfall exit velocity should not exceed 1.2 m/s.
 3. The headwall and wingwalls should not project beyond or above the line of the bank.
 4. No part of the structure should cut into any flood embankment.
 5. All surplus spoil from excavations for structure and pipe must be removed from site.
 6. Stone pitching may be required to protect the bed and opposite bank downstream of the outfall.

ROCKER DETAILS	
PIPE DIAMETER	ROCKER PIPE LENGTH
150 - 450	500 - 750
500 - 750	750 - 1000
>750	SEEK GUIDANCE



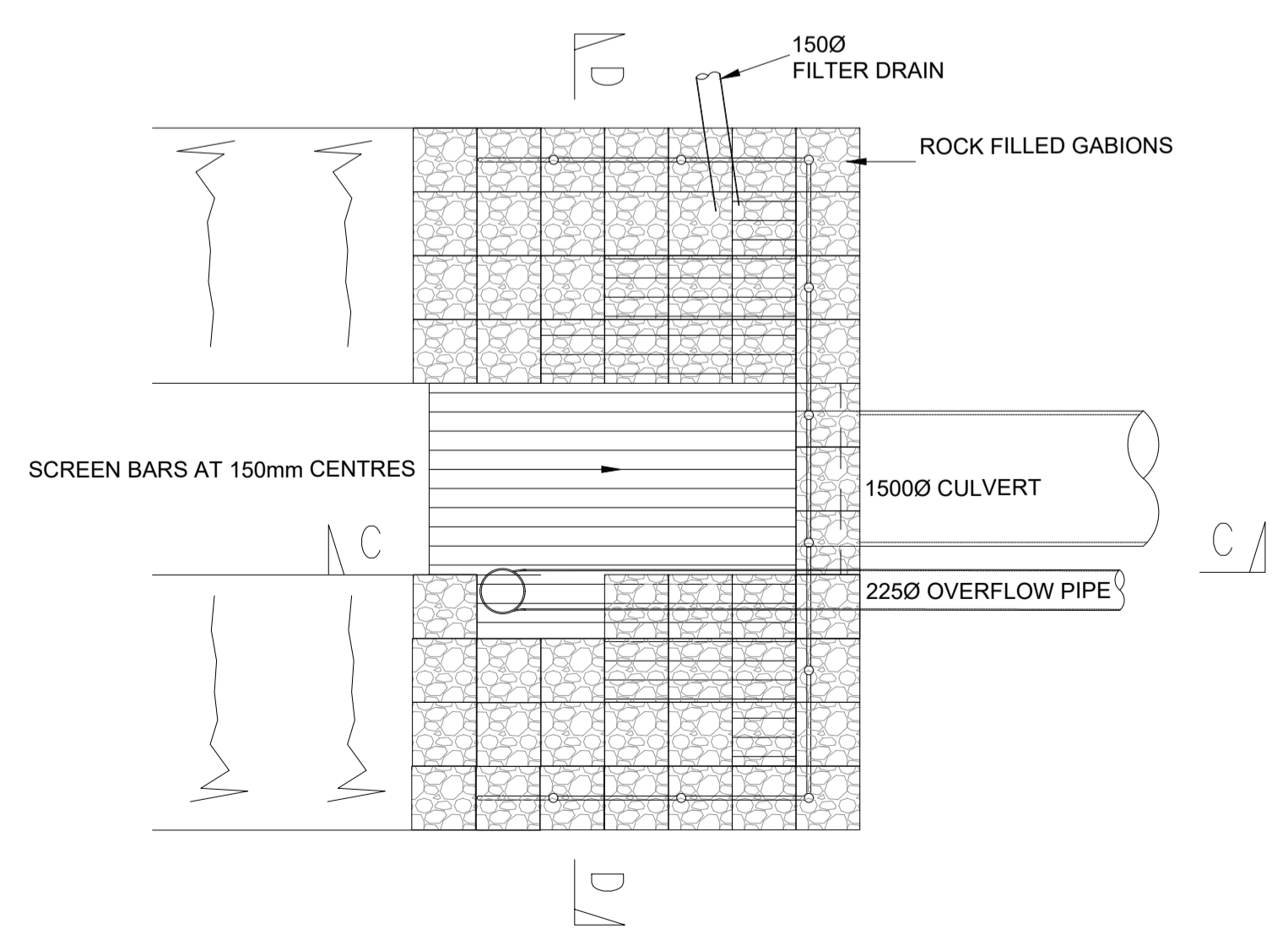
HEADWALL DETAIL
SCALE NTS



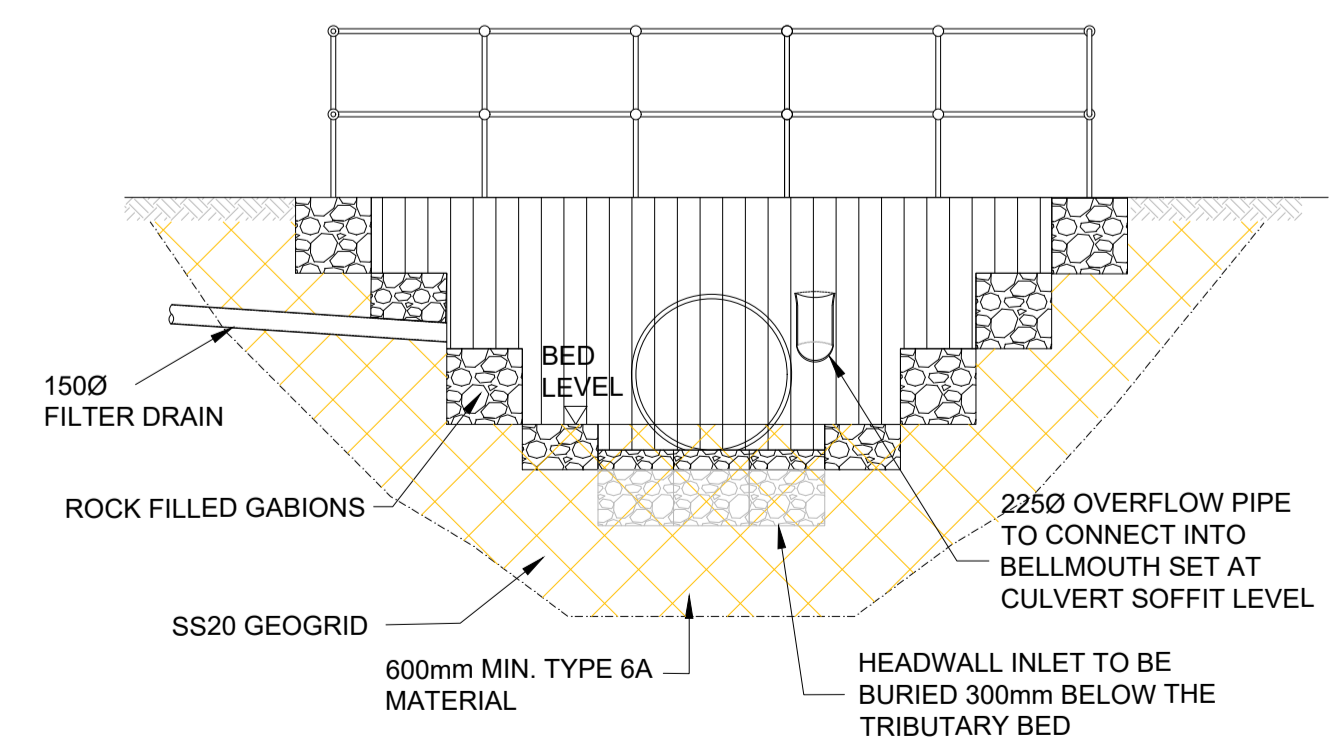
SECTION A - A
SCALE 1:20

DETAIL OF FLOW CHAMBER
SCALE 1:20

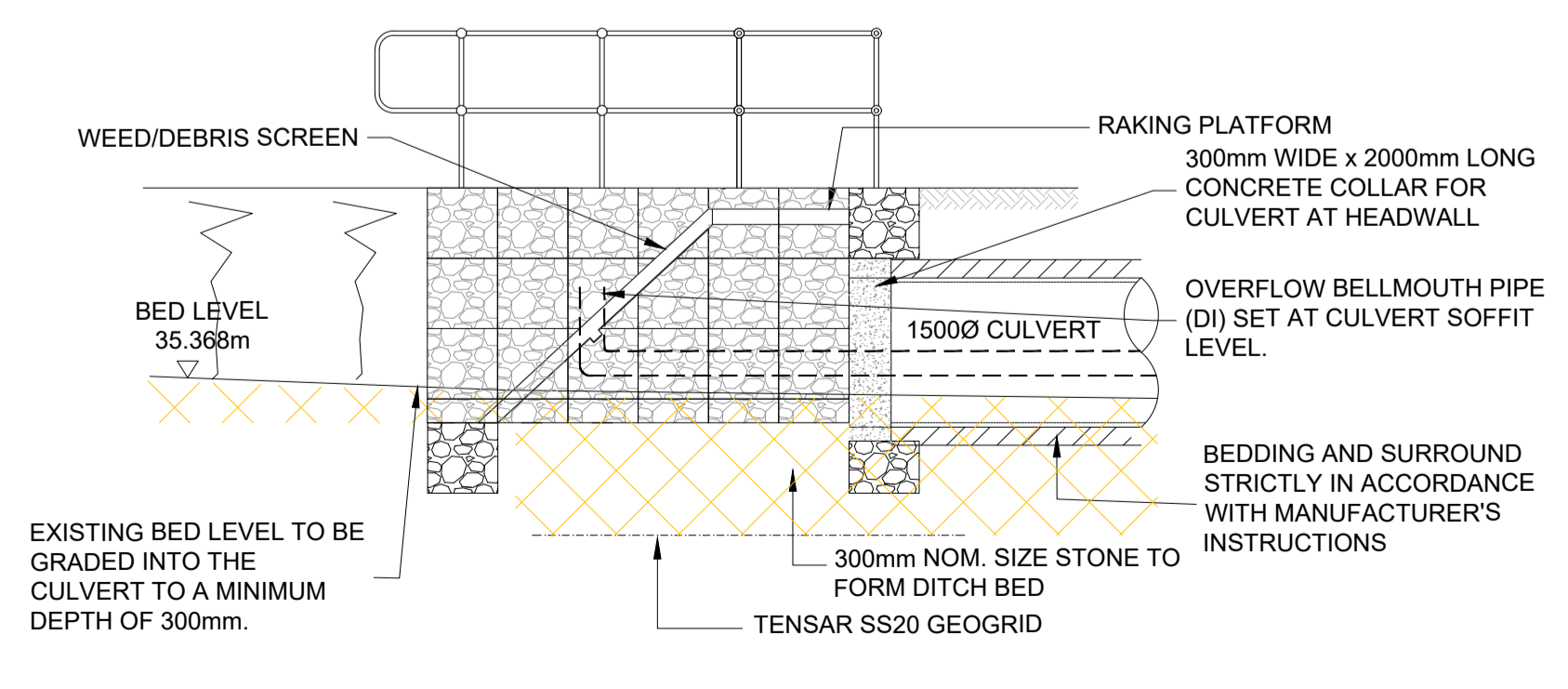
SECTION B - B
SCALE 1:20



CULVERT GABION HEADWALL - PLAN



CULVERT GABION HEADWALL - SECTION D-D



CULVERT GABION HEADWALL SECTION C-C

Rev	Date	Description	Drawn	Check	Approv
07	08/12/23	CLIENT UPDATE	BA	DO	MD
06	20/07/22	HEADWALL DETAILS REMOVED	LR	DO	MD
05	20/10/21	GABION PLAN UPDATED	AK	DO	MD
04	19/10/21	SECTION C-C AMENDED	AK	DO	MD
03	13/10/21	GABION HEADWALL AMENDED	AK	DO	MD
02	13/09/21	GABION HEADWALL ADDED	AK	DO	MD
01	08/07/21	FIRST ISSUE	GW	DO	MD

Client
AMAZON UK SERVICES LTD

PROJECT:
STOCKTON

Site
Chapel Lane North
Stockton-on-Tees

Client
ISG

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TITLE:
S38 HIGHWAY DRAINAGE DETAILS
SHEET 2 OF 2

Designed	G.WARSAMA	Signed	Date	08/07/21
Drawn	G.WARSAMA	Signed	Date	08/07/21
Checked	D.OGDEN	Signed	Date	08/07/21
Approved	M.DAVIES	Signed	Date	08/07/21
Scale:	NTS	Datum:	AOD	
Original Size:	A1	Grid:	OS	
Suitability Code:	S2	Project Number:	10042440	

Suitability Description:
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Drawing Number:
STO-ARC-XX-XX-DR-CE-0509

Revision:
07