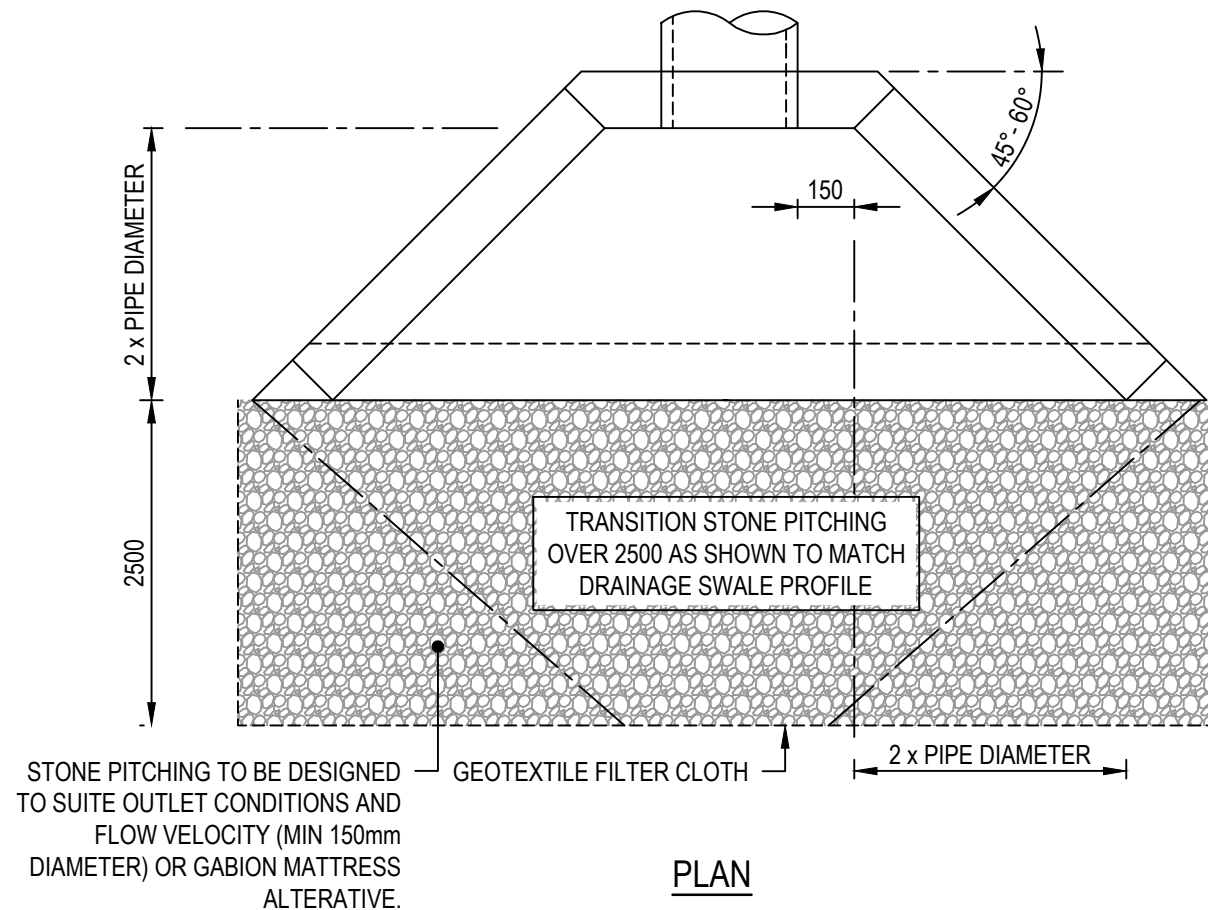
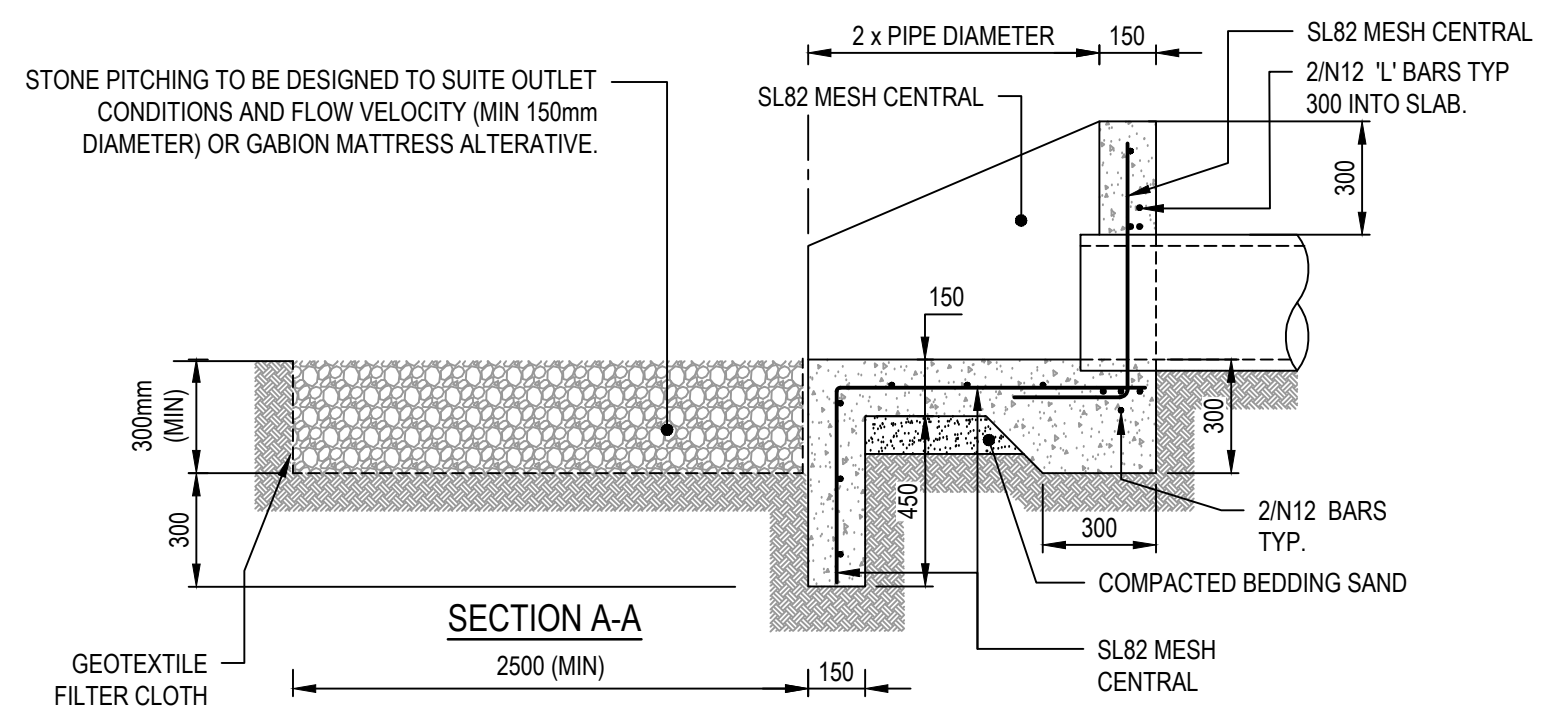
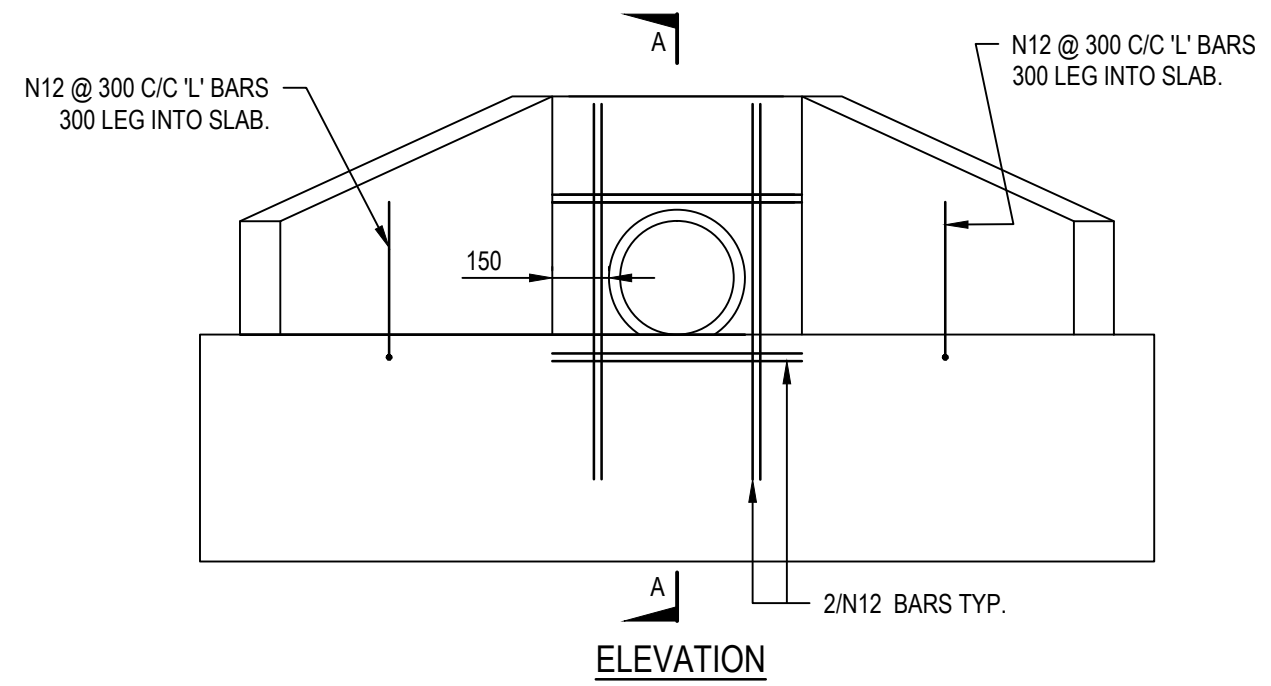
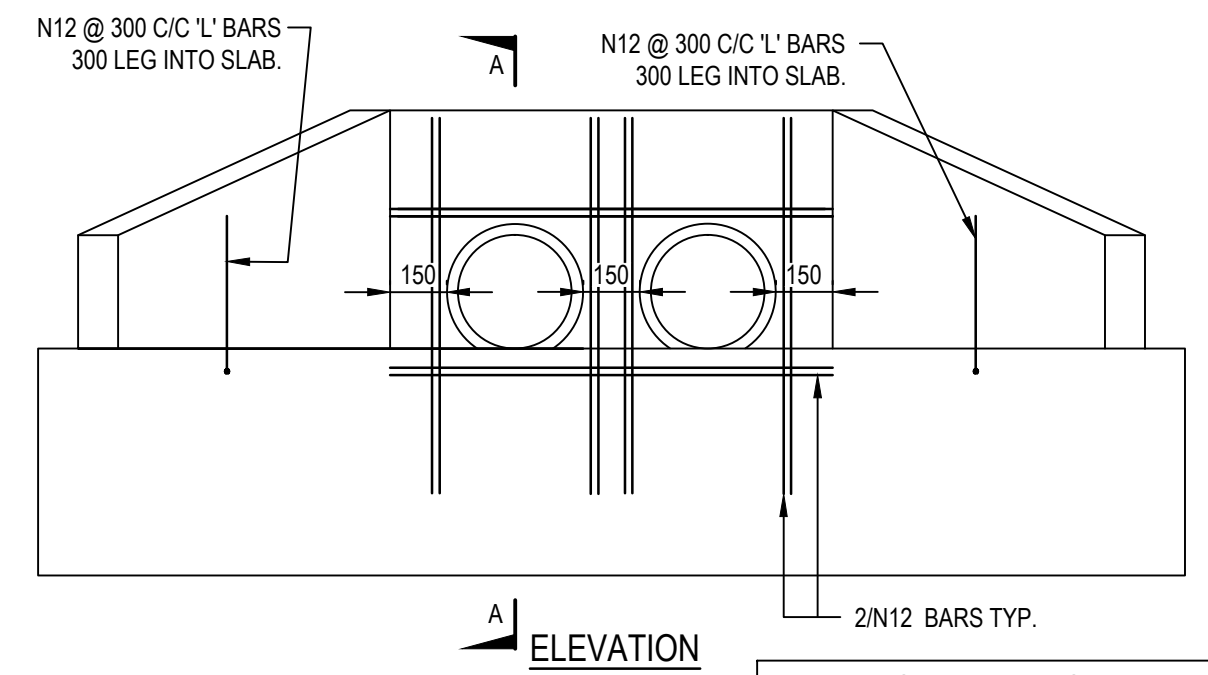




- NOTES:**
1. STREAMLINING AT UPSTREAM END ONLY
 2. SCOUR PROTECTION AT OUTLET AS SHOWN, UNLESS OTHERWISE APPROVED.
 3. APPROVED PRECAST HEADWALLS MAY BE USED AS AN ALTERNATIVE .
 4. MINIMUM COVER TO PIPES TO BE 300mm.
 5. MINIMUM FABRIC LAP 300mm
 6. CONCRETE GRADE TO BE N32, SLUMP 80mm IN ACCORDANCE WITH AS3600.
 7. MAXIMUM BATTER SLOPE ABOVE HEADWALL 1V : 2H
 8. FENCING AT TOP OF HEADWALL MAY BE REQUIRED IN LOCATION WHERE HEIGHT > 1.0m AND SITE ACCESSIBLE TO THE PUBLIC.



ALL MEASUREMENTS IN MILLIMETRES

E	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
D	ISSUED FOR REVIEW	17.07.2017	JZ	SGP	SH
C	ISSUED FOR REVIEW	10.06.2016	JZ	DL	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL
REV	DESCRIPTION	DATE	DES	DRW	APP
THIS PROJECT HAS BEEN ASSISTED BY THE LOCAL GOVERNMENT RESEARCH AND DEVELOPMENT SCHEME AND INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA					

INFRASTRUCTURE GUIDELINES (SA)		SCALE NTS @ A3	REV E
SHEET TITLE STANDARD HEADWALL FOR PIPES 300-375 DIAMETER			
DRAWING No.		SD 345	