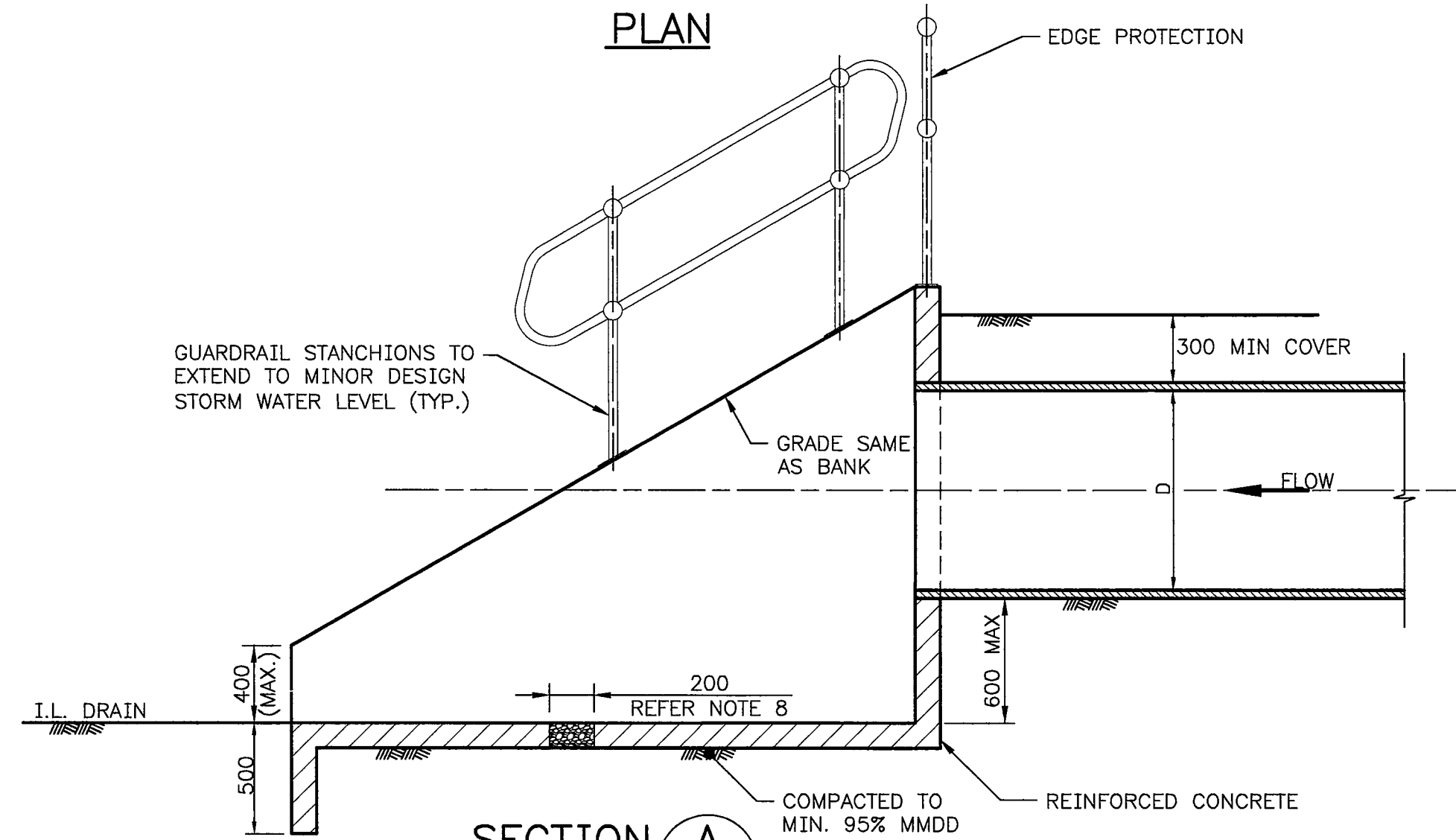
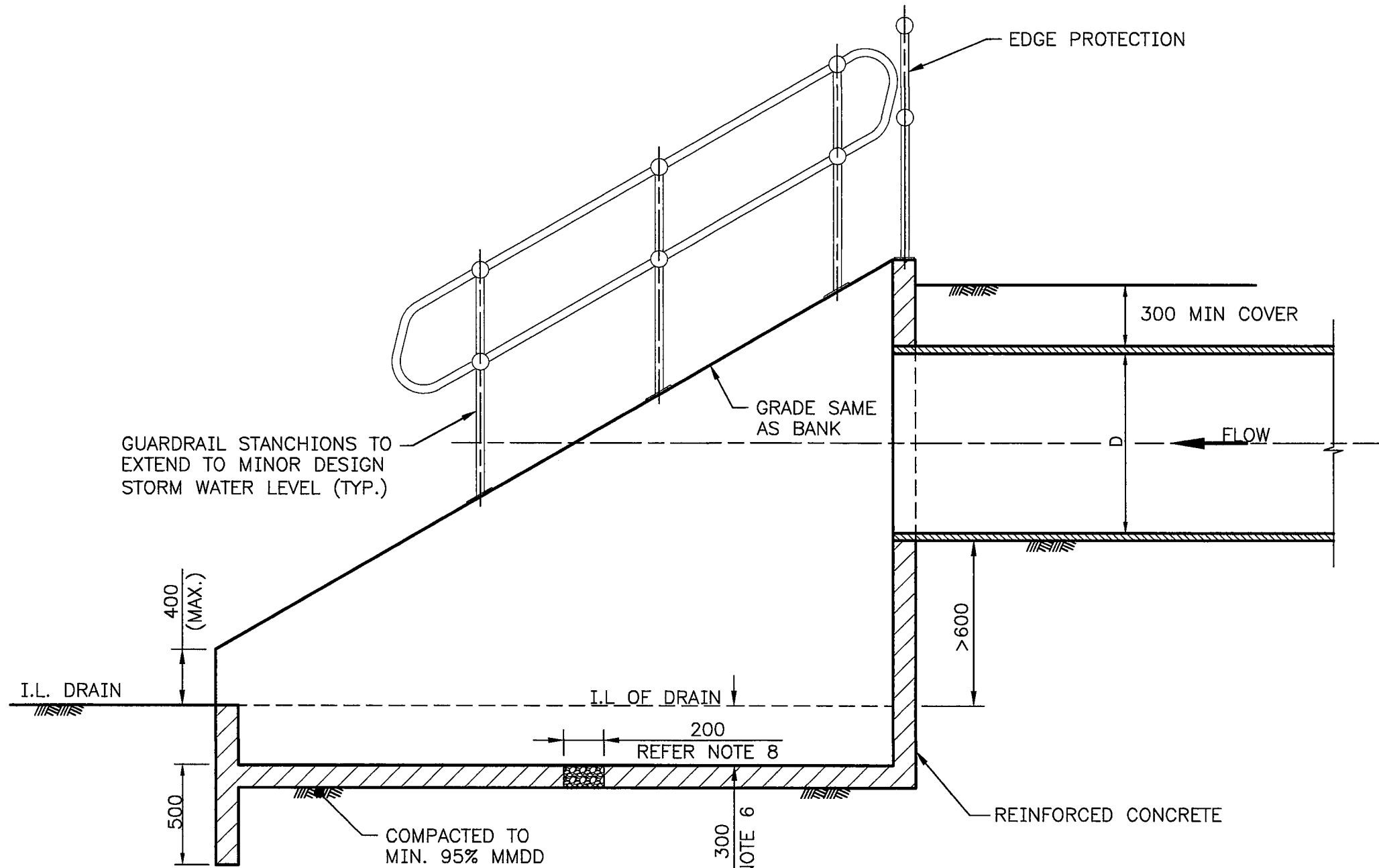


PLAN



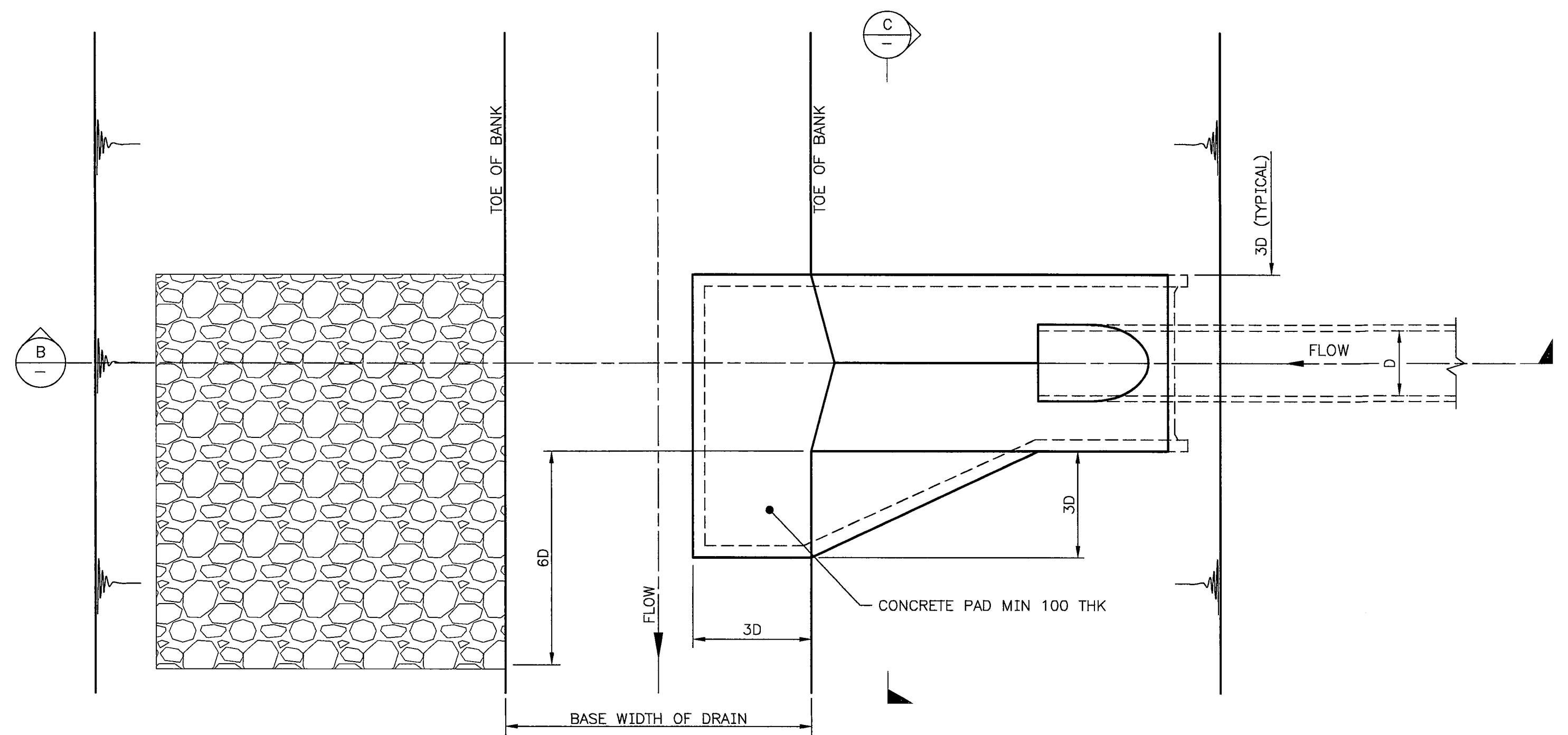
SECTION A

TYPE A' CONNECTION 600 TO 1200 DIA. - MAX. DROP 600

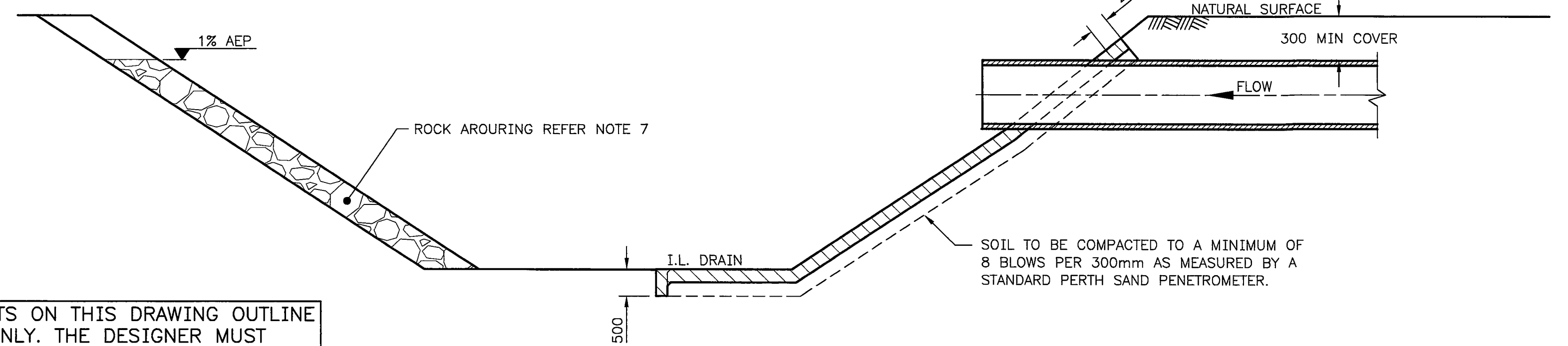


SECTION A

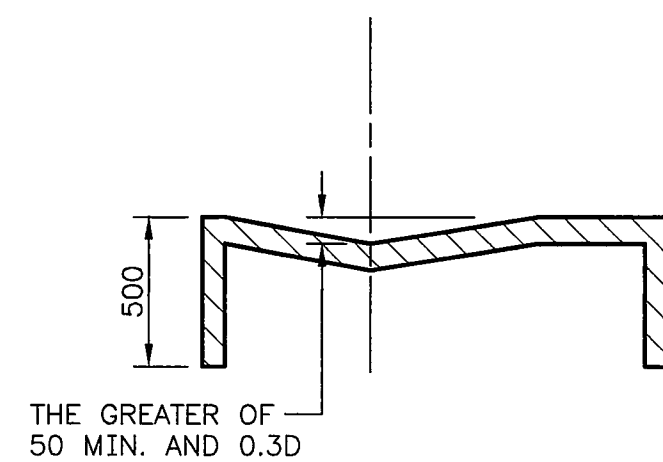
TYPE A' CONNECTION 600 TO 1200 DIA. - DROP >600



TYPE B' CONNECTION UP TO 450 DIA. PLAN



SECTION B



SECTION C

THE REQUIREMENTS ON THIS DRAWING OUTLINE DESIGN INTENT ONLY. THE DESIGNER MUST PRODUCE A DRAWING SPECIFIC TO THE ASSET.

## NOTES

- THIS DRAWING REFERS TO CONNECTIONS AT SIDES OF DRAINS OR COMPENSATING BASINS.
- CONCRETE USED IN CONSTRUCTION SHALL BE MINIMUM CLASS N32 U.N.O.
- REVTMENT MATTRESS OR GROUTED MASONRY (MIN SIZE  $\phi$ 300mm) MAY BE USED IN LIEU OF REINFORCED CONCRETE SUBJECT TO WATER CORPORATION'S APPROVAL.
- ARMOURING OF OPPOSITE BANK REQUIRED WHERE BASE WIDTH OF DRAIN IS LESS THAN 2500mm.
- FOR CONNECTIONS AT END OF DRAIN REFER TO DG16-3-14.
- REBATE BELOW DRAIN INVERT IS NOT REQUIRED PROVIDED CONCRETE EXTENDS 4x DIAMETER OF PIPE (REFER DIMENSION 'X').
- ROCK ARMOURING TO BE GRANITE SPALLS WITH MINIMUM DIMENSIONS NO LESS THAN 50% OF MAXIMUM DIMENSION. MINIMUM DIMENSION NO SMALLER THAN 200mm.
- 200mm DIAMETER PENETRATION FILLED WITH FREE DRAINING GRAVEL. ONLY REQUIRED WHEN OUTLET FEATURES A REBATE.

SCALE : DIAGRAMMATIC

D	03/2020	EDGE PROTECTION, ROCK PROTECTION ADDED. MINOR AMENDMENTS	JMS	RA	LD	DESIGN SURVEY	NONE	VERTICAL DATUM	AHD	DES CALC	A. ADAMS	NORTH POINT	RECOMMENDED	17/02/1998	P. CHIANG (SIGNED)	METROPOLITAN DRAINAGE	URBAN MAIN DRAINAGE STANDARD - DRAWINGS	STANDARD CONNECTIONS (OUTLET STRUCTURES FROM PIPED DRAINS)	FOR FENCED OPEN DRAINS & FENCED COMPENSATING BASINS	ORIGINAL SHEET SIZE	A1
C	06/2011	NOTE 4 AMENDED AND NOTE 7 ADDED	BJ	SS	LD	DESIGN SURVEY	NONE	COORDINATE SYS	UNKNOWN	DES CHD	J. DAVIES		SUPERVISING ENGINEER								
B	05/2002	SECTION B AMENDED	WS	SS	SS	DESIGN SURVEY	NONE	DES REF		DRN	K. BERG		APPROVED	18/02/1998	E. J. MURPHY (SIGNED)						
						ASCON SURVEY	NONE	DES REF		Q.C. CHD	S. SELLATHURAI		MANAGER	I.D. BRANCH							
ISSUE	DATE	GRID	REVISION	DRN	REC	APPD															
566																					
810																					

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CAD MANAGEMENT\_NOT READ ONLY\WDCS\STANDARD DRAWINGS\MANUALS\URBAN DRAINAGE\REVISONS SEPTEMBER 2019\DG16-003-011-010 09:10 20/03/2020 edwardm3/WS34796