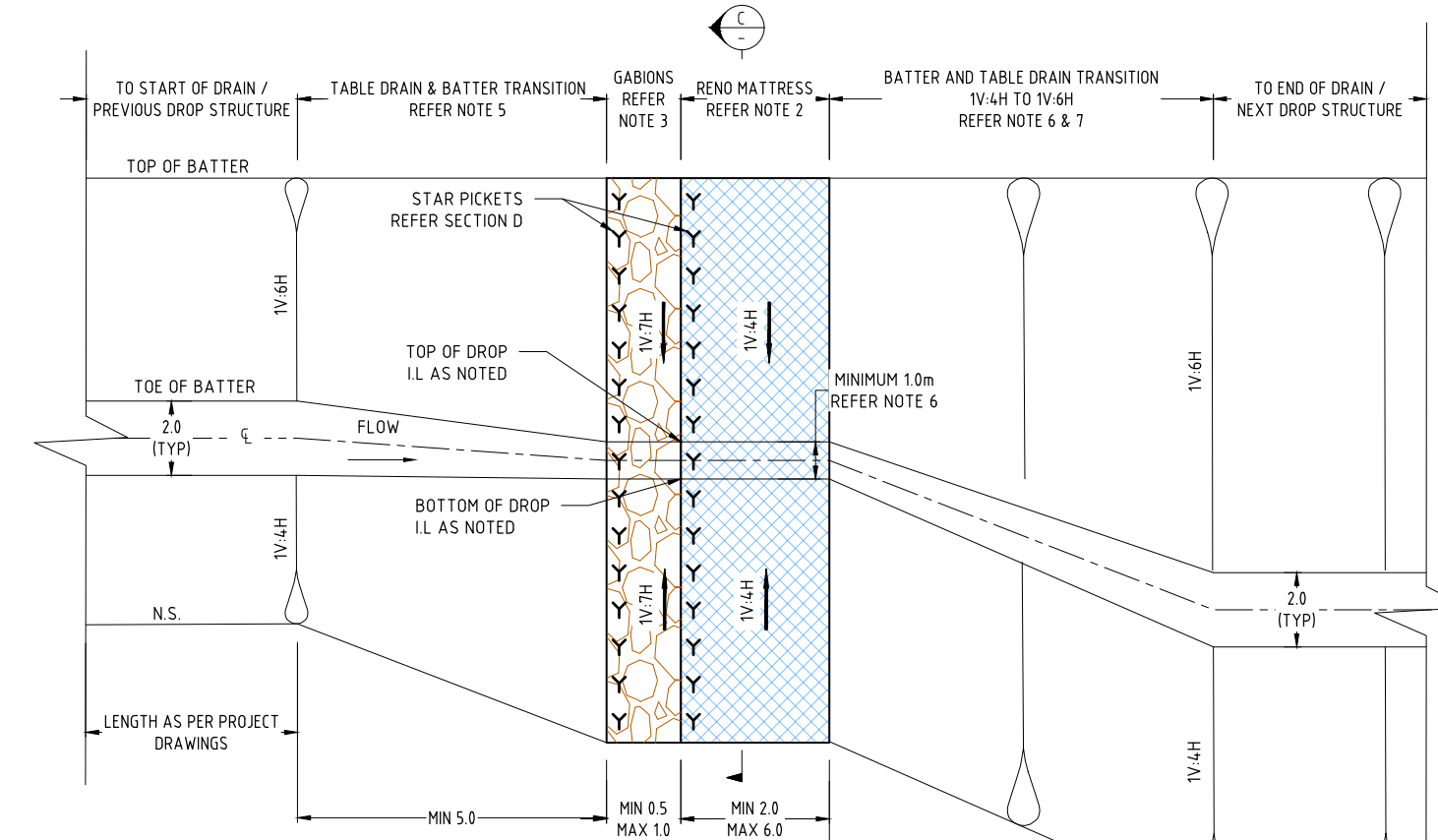
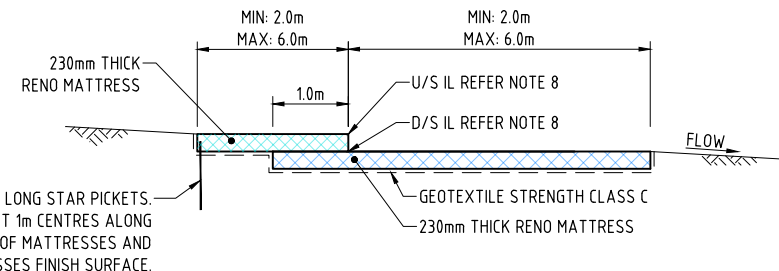


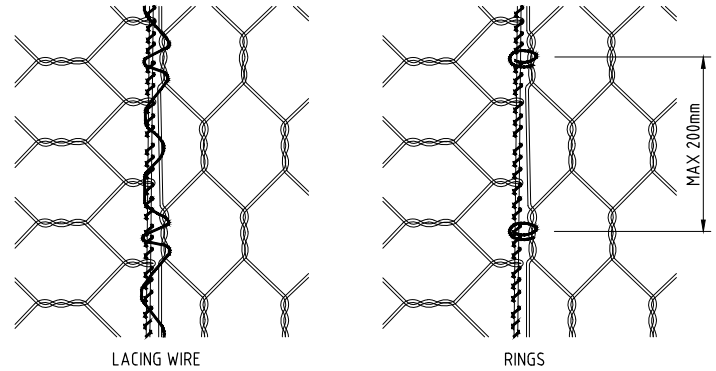
**RENO MATTRESS DROP STRUCTURE - PLAN**  
NOT TO SCALE



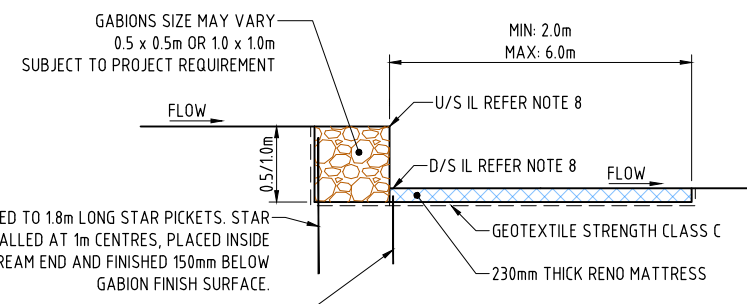
**GABION DROP STRUCTURE - PLAN**  
NOT TO SCALE



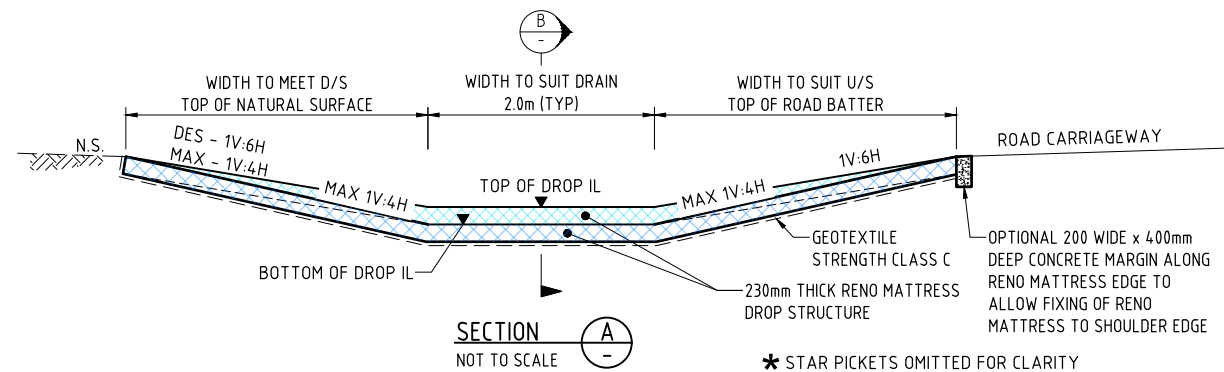
**SECTION B**  
NOT TO SCALE



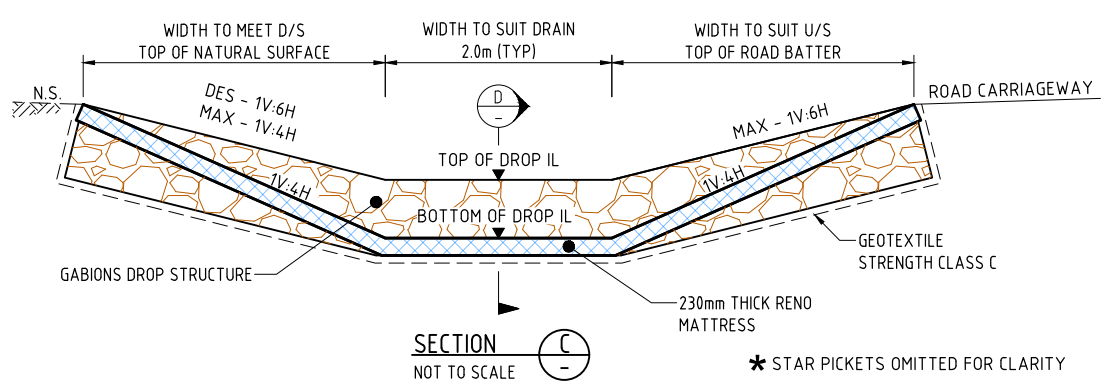
**BASKET LACING AND RING DETAIL**  
NOT TO SCALE



**SECTION D**  
NOT TO SCALE



**SECTION A**  
NOT TO SCALE



**SECTION C**  
NOT TO SCALE

- NOTE:**
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE
  2. RENO MATTRESS WIDTH MAY VARY BETWEEN 2m TO 6m WIDE. SUBJECT TO GABIONS USED.
  3. GABION SIZE MAY VARY BETWEEN 0.5m x 0.5m TO 1m x 1m. SUBJECT TO PROJECT REQUIREMENTS.
  4. ALTERNATIVE DROP STRUCTURES AND MATTRESSES SUCH AS RECYCLED TYRES MAY BE USED BY APPROVAL ONLY. THESE ALTERNATIVES WILL NEED TO BE IN ACCORDANCE WITH MANUFACTURER'S DESIGN AND SPECIFICATION.
  5. PRIOR TO DROP STRUCTURE, TABLE DRAIN & BATTER SHALL TRANSITION SO THAT THE BATTER SLOPE DOWNSTREAM OF THE DROP STRUCTURE IS AT MAXIMUM 1V:4H. DESIGNER SHALL CONSIDER BATTER SLOPES WHEN SELECTING DROP STRUCTURE LOCATIONS.
  6. TABLE DRAIN WIDTH MAY BE REDUCED WHERE SITE CONDITIONS PERMIT AND A REDUCTION IN WIDTH WILL NOT ADVERSELY AFFECT DRAINAGE. DRAIN WIDTH SHALL TRANSITION BACK TO SPECIFIED DRAIN WIDTH (2m MINIMUM).
  7. AFTER DROP STRUCTURE, THE DOWNSTREAM BATTER ADJACENT TO THE ROAD SHALL TRANSITION BACK TO 1V:6H AS SOON AS PRACTICAL.
  8. U/S IL & D/S IL SHALL BE AS PER PROJECT DRAWING.

**LEGEND:**  
U/S UPSTREAM  
D/S DOWNSTREAM  
IL INVERT LEVEL

\* STAR PICKETS OMITTED FOR CLARITY

\* STAR PICKETS OMITTED FOR CLARITY

**WARNING**

BEWARE OF UNDERGROUND SERVICES. THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

No.	DESCRIPTION	DATE	NAME	DEPT./COMPANY
3	MINOR CHANGES	JAN 2024	D.LLANO	DIPL
2	DROP STRUCTURE LAYOUT UPDATES	MAR 2023	J. COOK	DIPL
1	CHANGES TO STARPICKETS, GABION AND FABRIC	DEC 2018	H.ZHU	EES/DIPL
0	ISSUED AS A STANDARD DRAWING	SEPT 2017	J.LEESON	EES/DIPL
AMENDMENTS				

DRAWN J. COOK DATE SEP 2022	CHECKED S.HATZI DATE
DESIGNED J. COOK DATE SEP 2022	CHECKED S.HATZI DATE
DESIGN LEADER S.HATZI DATE 1/09/2017	DESIGN DIRECTOR S.JACKSON DATE 1/09/2017



STANDARD DRAWINGS DRAINAGE				
<b>DRAINAGE DROP STRUCTURES RENO MATTRESS &amp; GABIONS</b>				
FILE No.	ASSET No.	SHEET No.	DRAWING No.	AMEND.
-	-	1 OF 1	CS-3123	3
				SHEET SIZE A1