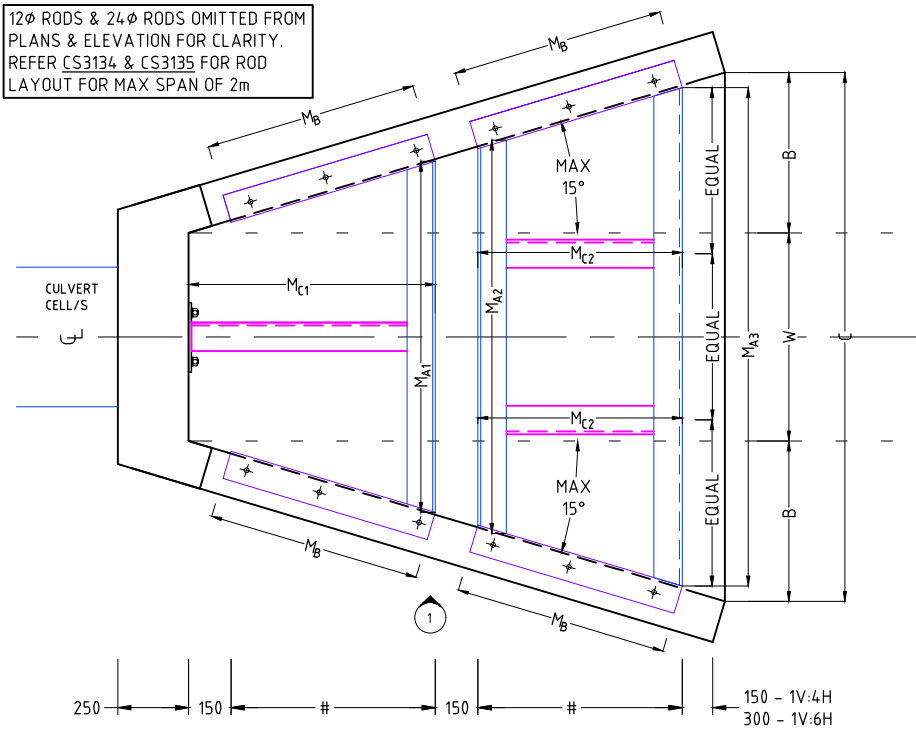
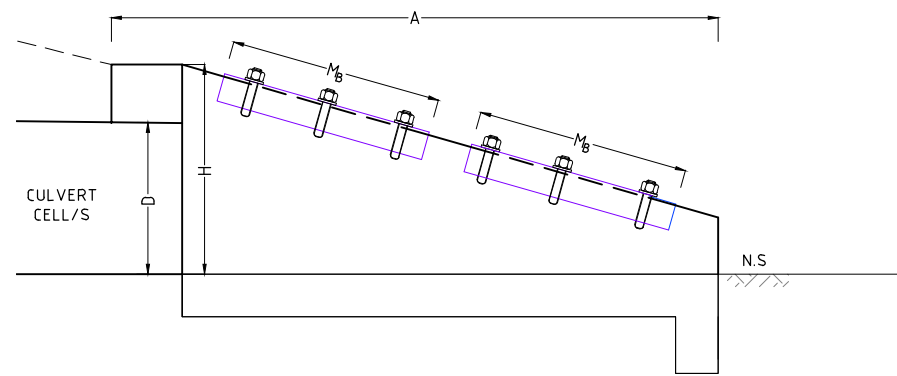


12φ RODS & 24φ RODS OMITTED FROM PLANS & ELEVATION FOR CLARITY. REFER CS3134 & CS3135 FOR ROD LAYOUT FOR MAX SPAN OF 2m

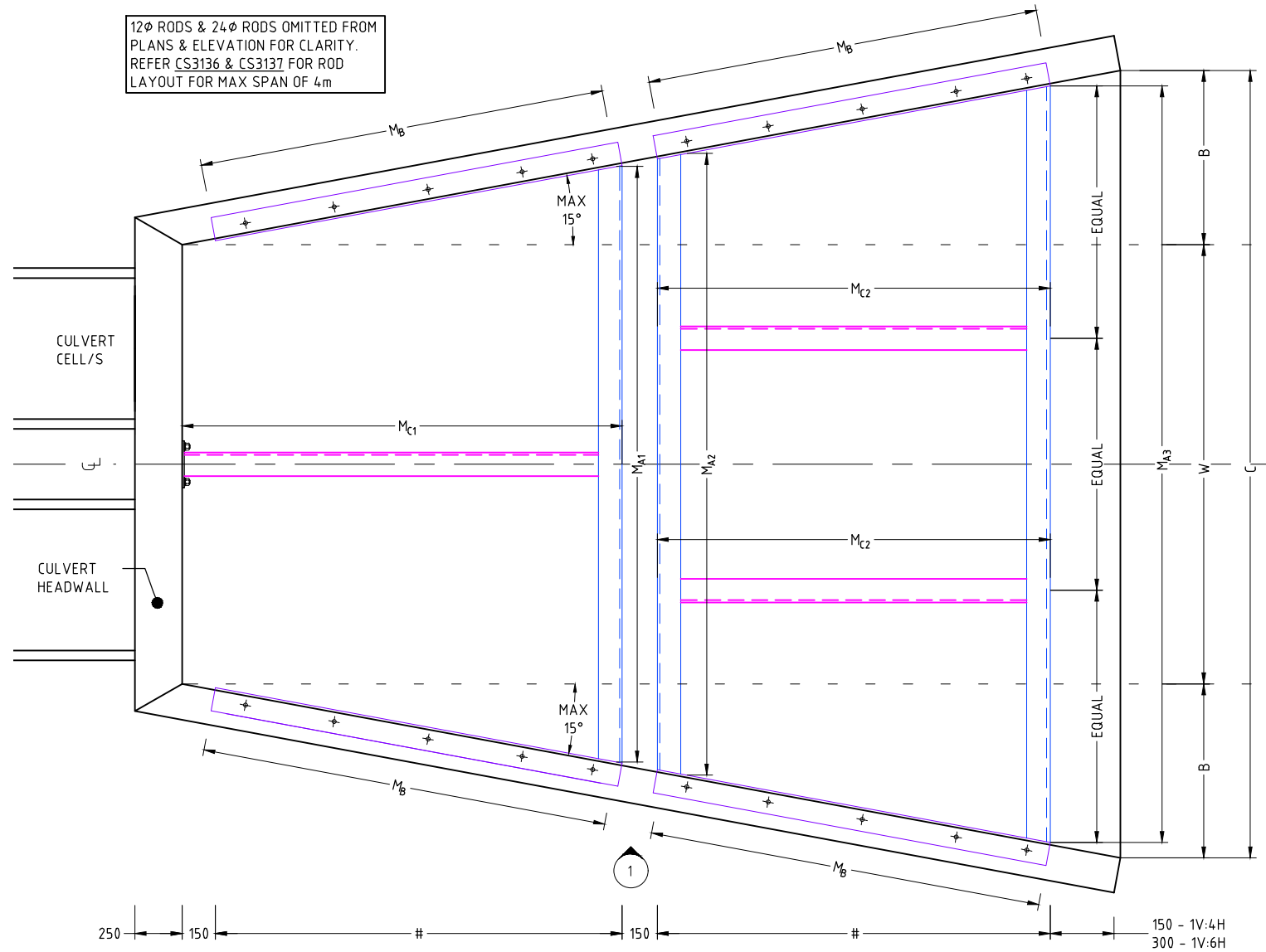


**WINGWALL & GRATE - UP TO 2m SPAN - SETOUT PLAN**  
NOT TO SCALE

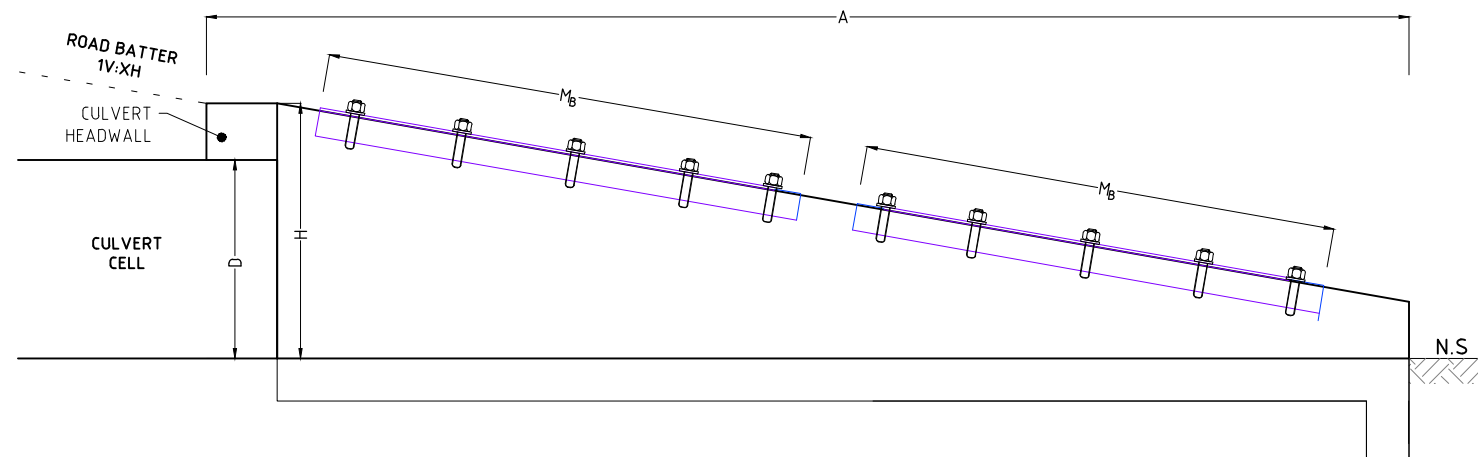


**WINGWALL & GRATE - UP TO 2m SPAN - ELEVATION 1**  
NOT TO SCALE

12φ RODS & 24φ RODS OMITTED FROM PLANS & ELEVATION FOR CLARITY. REFER CS3136 & CS3137 FOR ROD LAYOUT FOR MAX SPAN OF 4m



**WINGWALL & GRATE - UP TO 4m SPAN - SETOUT PLAN**  
NOT TO SCALE



**WINGWALL & GRATE - UP TO 4m SPAN - ELEVATION 1**  
NOT TO SCALE

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
2. THIS STANDARD DRAWING IS PROVIDED TO ASSIST SETOUT AND QUANTITIES FOR CULVERTS WHICH WILL FEATURE A TRAVERSABLE GRATE AND SHOULD BE READ ALONGSIDE CS3139 & CS3140 FOR SETOUT DIMENSIONS.
3. FOR GENERAL NOTES REGARDING THE WINGWALL SETOUT, STEELWORK NOTES & STANDARD DRAWING REFERENCES, REFER CS3133.
4. FOR MEMBER SIZES & CONNECTION DETAILS, REFER TO THE BELOW:
  - 4.1. CS3134 - 1V:4H BATTER & MAX 2m SPAN
  - 4.2. CS3135 - 1V:6H BATTER & MAX 2m SPAN
  - 4.3. CS3136 - 1V:4H BATTER & MAX 4m SPAN
  - 4.4. CS3137 - 1V:6H BATTER & MAX 4m SPAN
5. SLAB LINK BOX CULVERTS DIMENSION (SLBC) HAVE NOT BEEN PROVIDED, AS SLBC CULVERTS TYPICALLY HAVE 2-3 CULVERT CELLS MINIMUM AND WILL EXCEED THE MAXIMUM SPAN IN MOST SITUATIONS.



**3D VISUALISATION - WINGWALL GRATE**  
NOT TO SCALE

0	ISSUED AS A STANDARD DRAWING	JUN 2023	J. COOK	TCS / DIPL
No.	AMENDMENT DESCRIPTION	DATE	INIT.	DEPT./COMPANY

Drawn	J. COOK	Checked	J. MU
Date:	MAY 2023	Date:	MAY 2023
Designed	J. COOK	Checked	J. MU
Date:	MAY 2023	Date:	MAY 2023
Design Project Leader	DIPL	NTG Project Manager	DIPL
Date:	MAY 2023	Date:	MAY 2023



<b>STANDARD DRAWINGS</b>				
DRAINAGE				
<b>TRAVERSABLE CULVERT GRATE</b>				
<b>GRATE SETOUT REFERENCES</b>				
NTG Project No.	NTG Asset No.	Sheet Reference	NTG Drawing No.	Amendment
-	-	06 OF 08	CS3138	0 A1