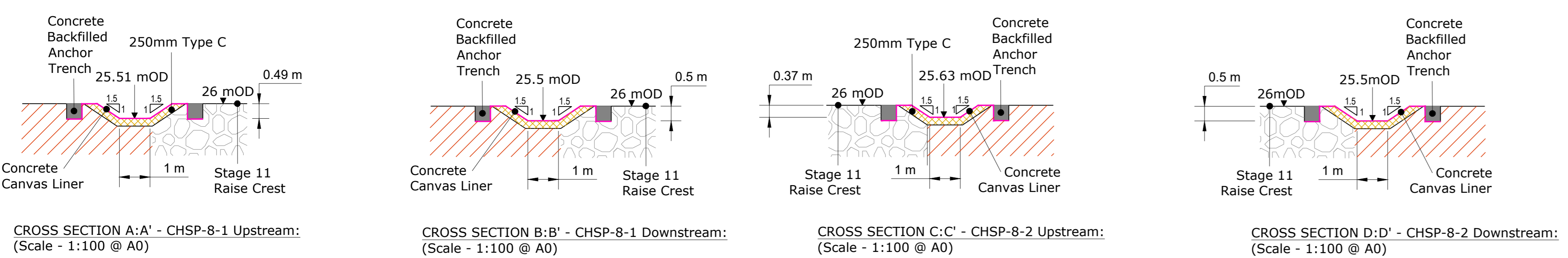
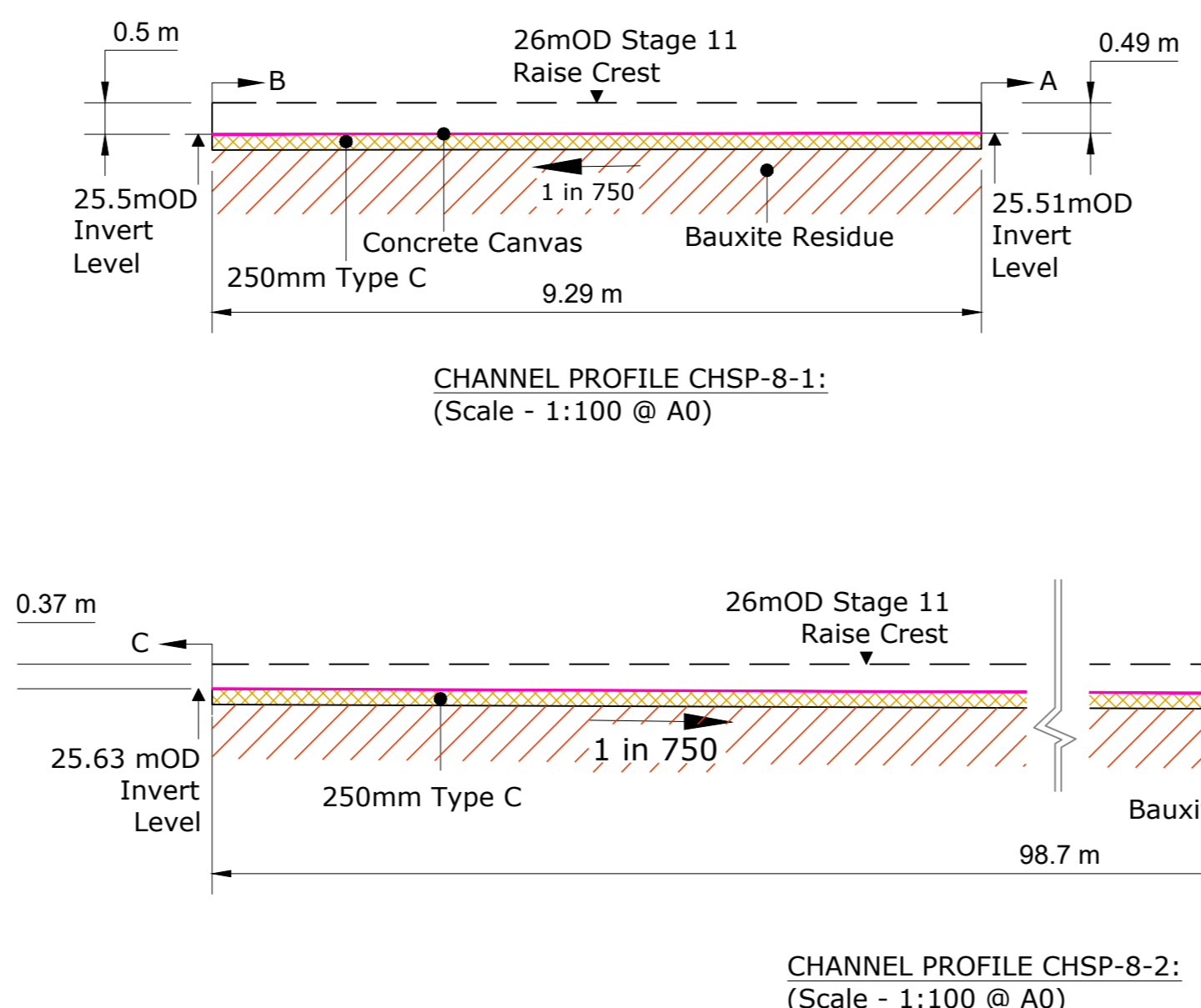


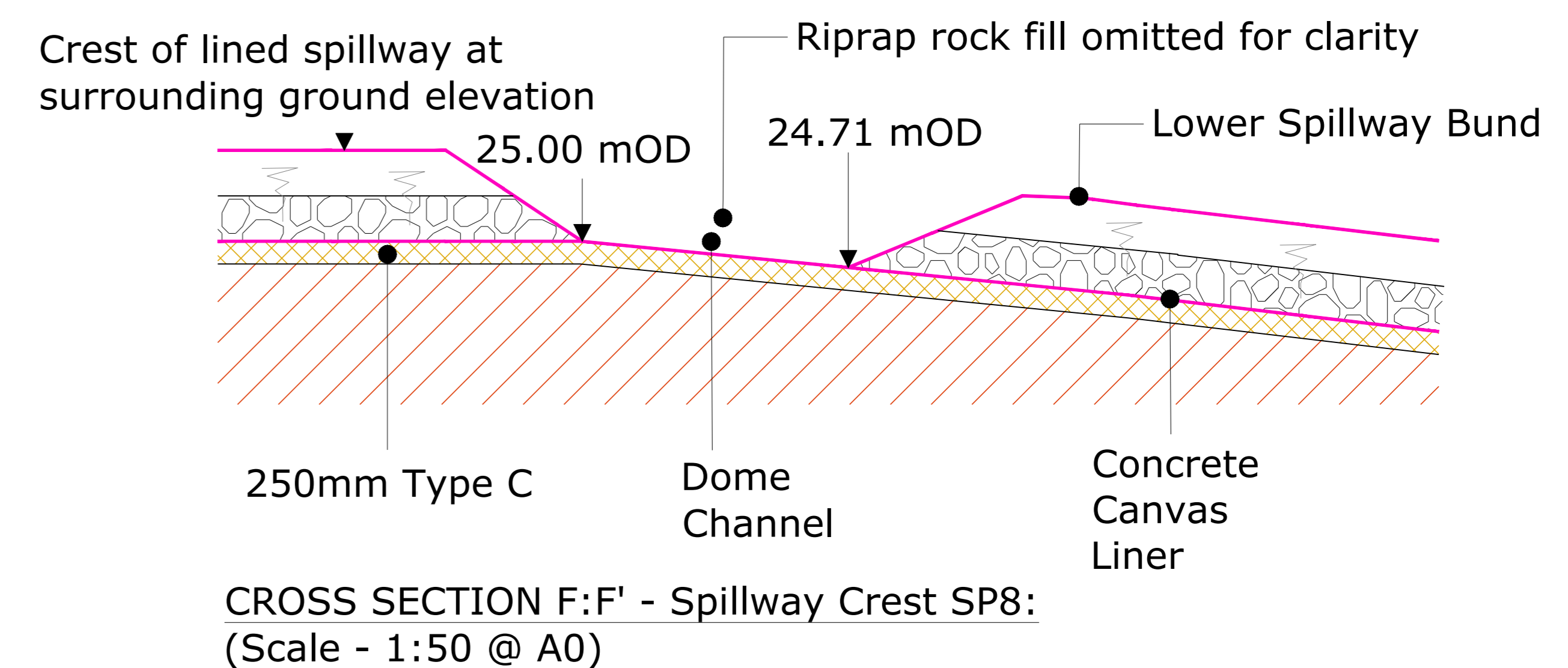
PLAN: CONFLUENCE OF BRDA DOME PERIMETER CHANNELS & RIPRAP SPILLWAY SP8 (Scale - 1:100 @ A0)



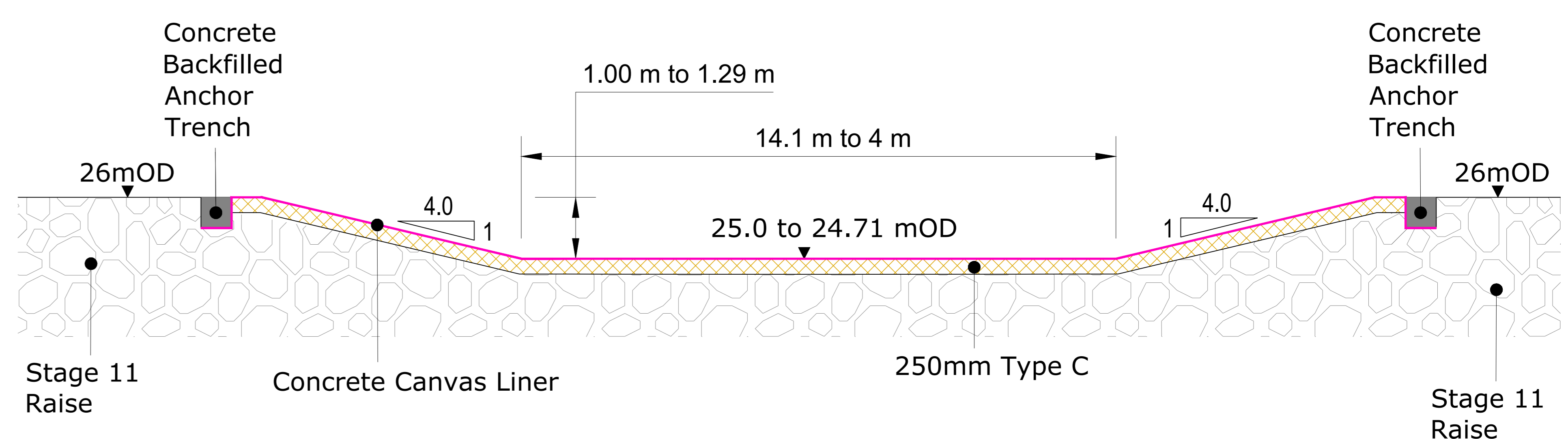
CROSS SECTION A:A' - CHSP-8-1 Upstream: (Scale - 1:100 @ A0)
 CROSS SECTION B:B' - CHSP-8-1 Downstream: (Scale - 1:100 @ A0)
 CROSS SECTION C:C' - CHSP-8-2 Upstream: (Scale - 1:100 @ A0)
 CROSS SECTION D:D' - CHSP-8-2 Downstream: (Scale - 1:100 @ A0)



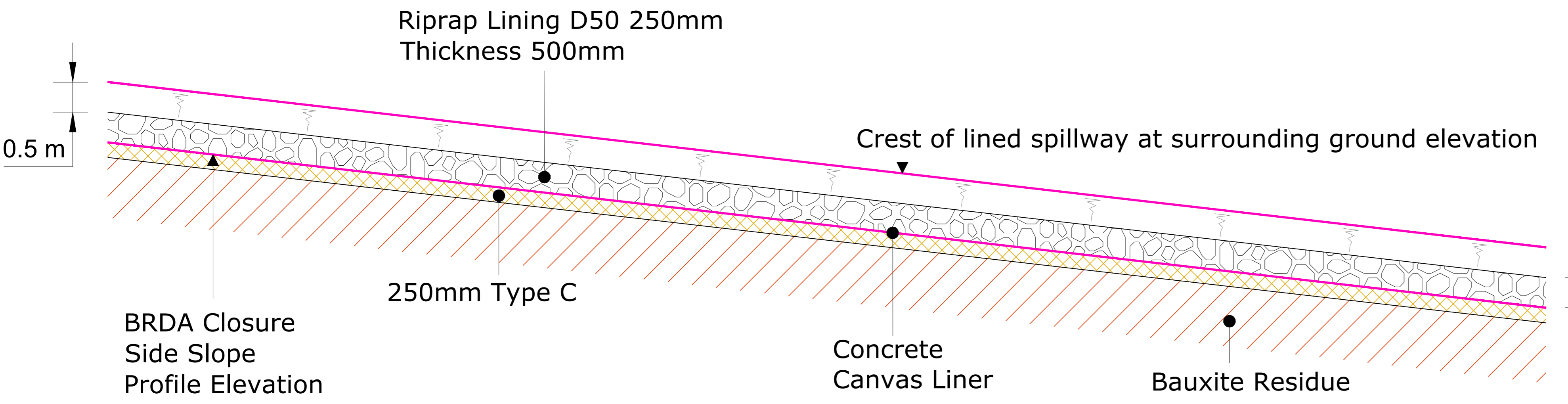
CHANNEL PROFILE CHSP-8-1: (Scale - 1:100 @ A0)
 CHANNEL PROFILE CHSP-8-2: (Scale - 1:100 @ A0)



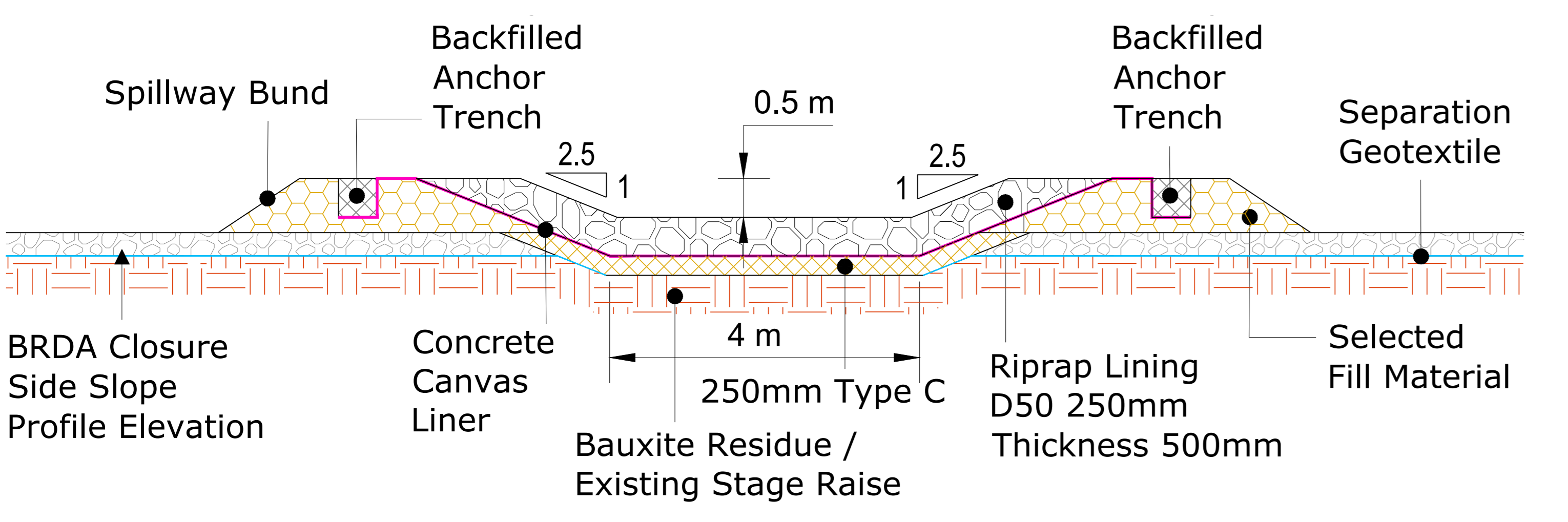
CROSS SECTION F:F' - Spillway Crest SP8: (Scale - 1:50 @ A0)



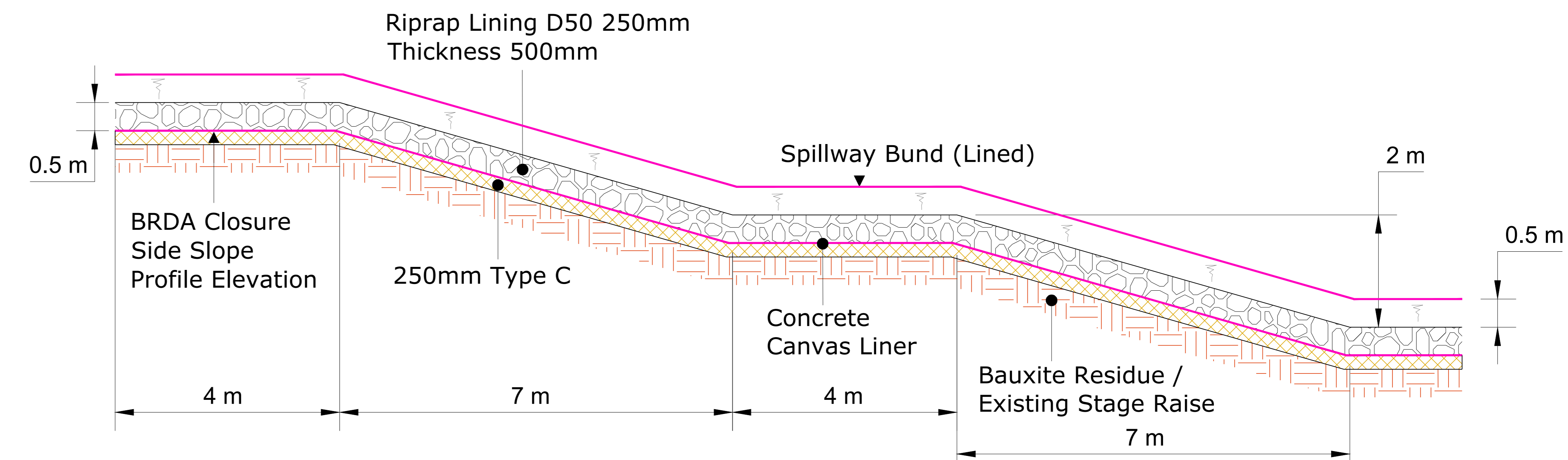
CROSS SECTION E:E' - SPILLWAY CREST SP8: (Scale - 1:50 @ A0)



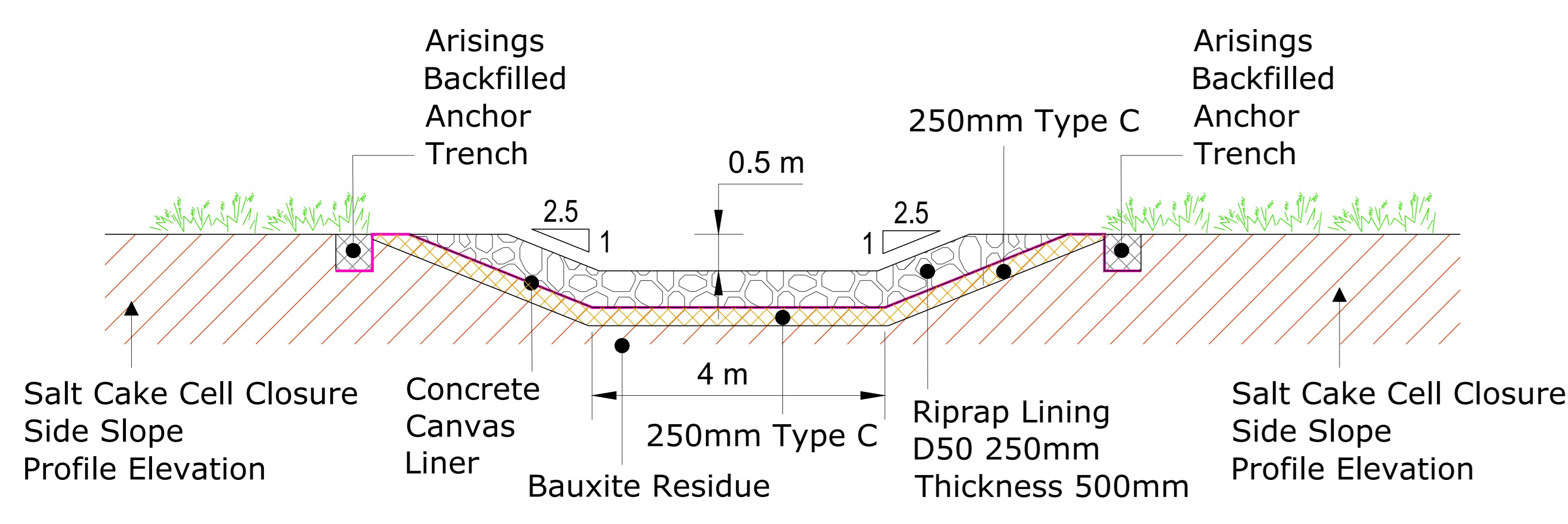
RIPRAP SPILLWAY SP8 - Typical Upper Slope Profile: (Scale - 1:50 @ A0)



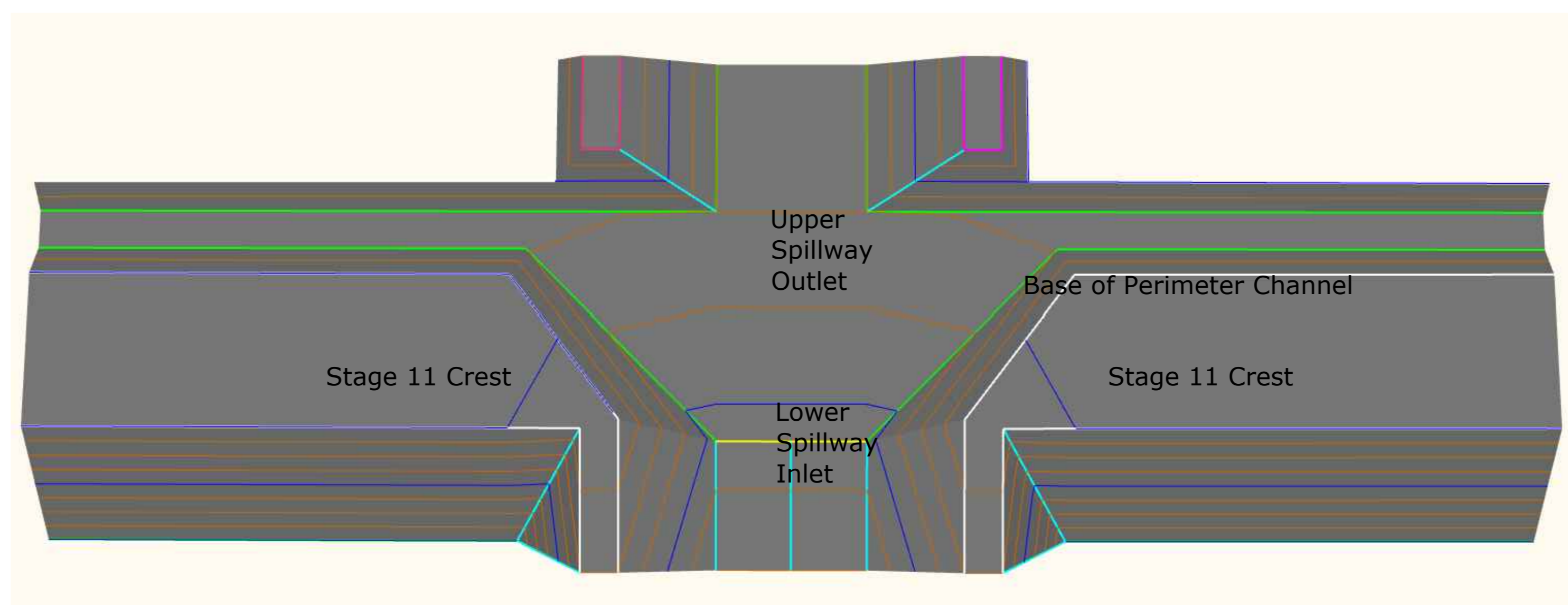
RIPRAP SPILLWAY SP8 - Typical Cross Section: Lower Slope (Scale - 1:50 @ A0)



RIPRAP SPILLWAY SP8 - Typical Lower Slope Profile: (Scale - 1:50 @ A0)

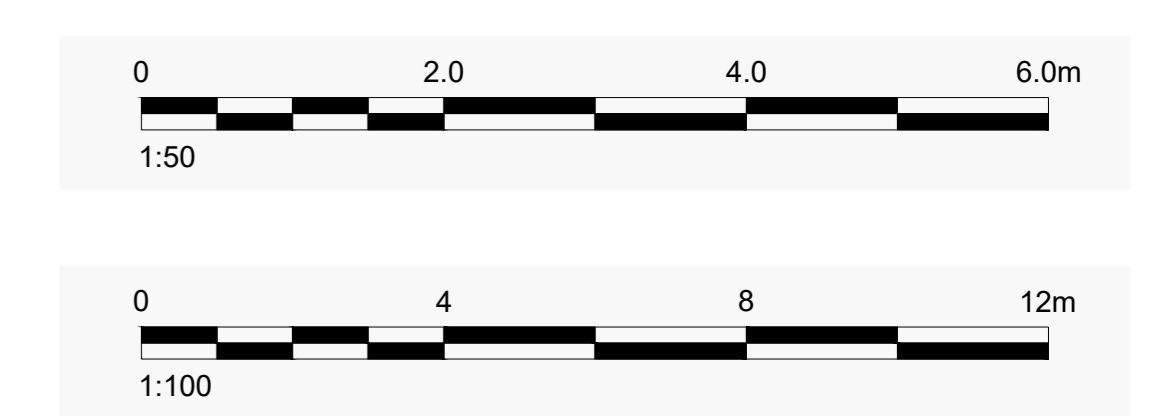


RIPRAP SPILLWAY SP8 - Typical Cross Section: Upper Slope (Scale - 1:50 @ A0)



Spillway Confluence - Liner Formation 3D Model (NTS @ A0)

Spillway	Dome Perimeter Channel	Channel Length (m)	Downstream Invert (mOD)	Upstream Invert (mOD)
SP-8	CHSP 8-1	9	25.500	25.510
	CHSP 8-2	99	25.500	25.630



- NOTE(S)
- RIPRAP SPILLWAY TYPICAL PROFILE DIMENSIONS SHALL VARY DEPENDING ON LOCATION ALONG SPILLWAY PROFILE
 - ANCHOR TRENCHES FOR THE DOME PERIMETER CHANNEL SHALL BE BACKFILLED WITH CONCRETE
 - ANCHOR TRENCHES FOR THE SPILLWAY SHALL BE BACKFILLED WITH ARISINGS FROM THE EXCAVATION OF THE SELECT FILL MATERIAL FOR THE BUND
 - DOUBLE LAPPING OF CONCRETE CANVAS MAY BE REQUIRED AT INTERFACE OF DOME PERIMETER CHANNEL AND REINFORCED CONCRETE SLAB CROSSING (SEE SECTION E-E' AND F-F')

CLIENT
 AUGHINISH ALUMINA LTD.
 CONSULTANT
 GOLDER
 MEMBER OF WSP

DESIGNED BK
 PREPARED POB
 REVIEWED BK
 APPROVED BK

PROJECT
 BRDA RAISE PLANNING APPLICATION DRAWINGS
 TITLE
 BRDA Details - Closure: 4m width Spillway (SP-8)
 PROJECT NO. 20143076
 DRAWING NO. 12c
 REV. A
 SCALE 50 100 A0