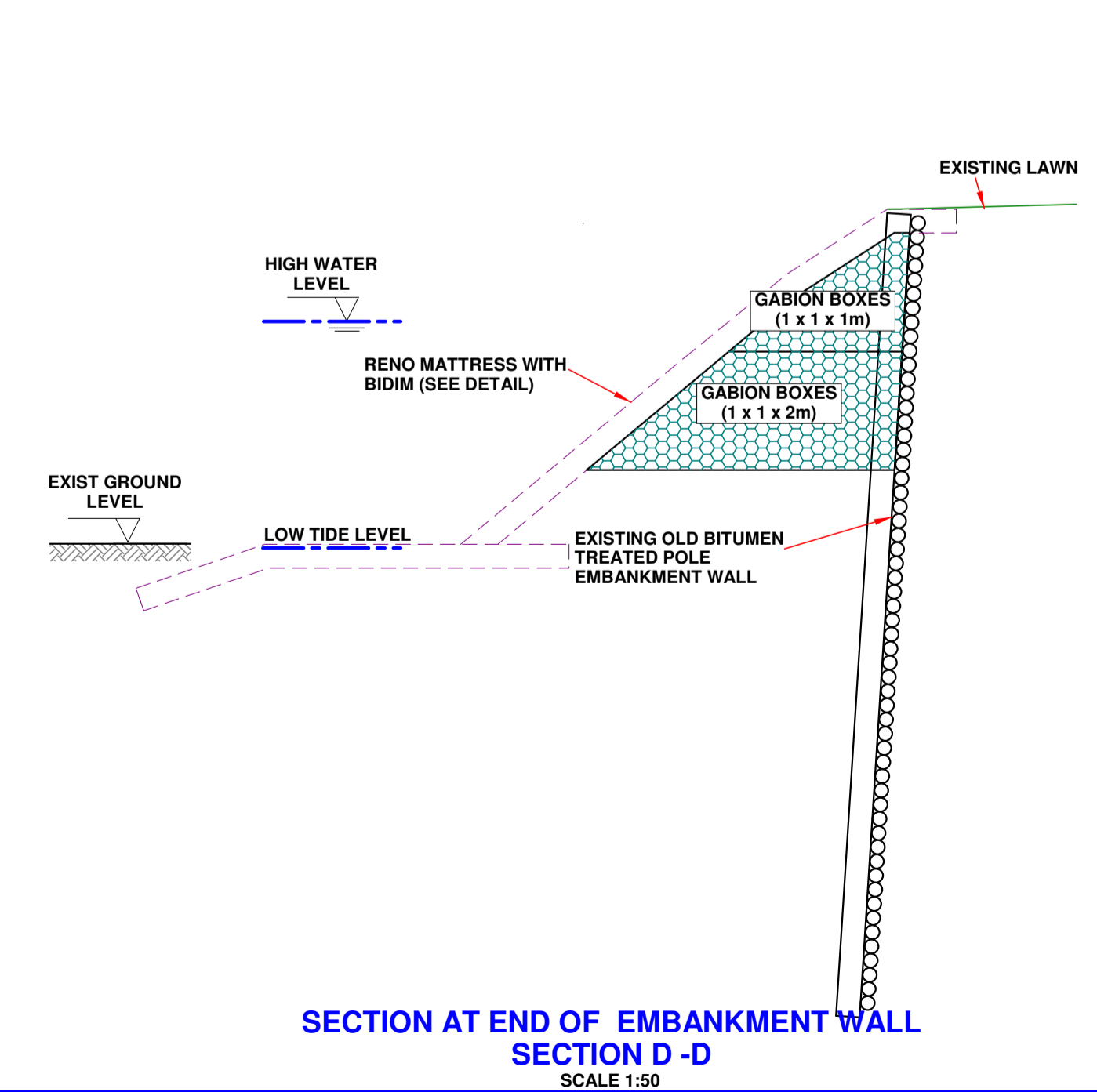
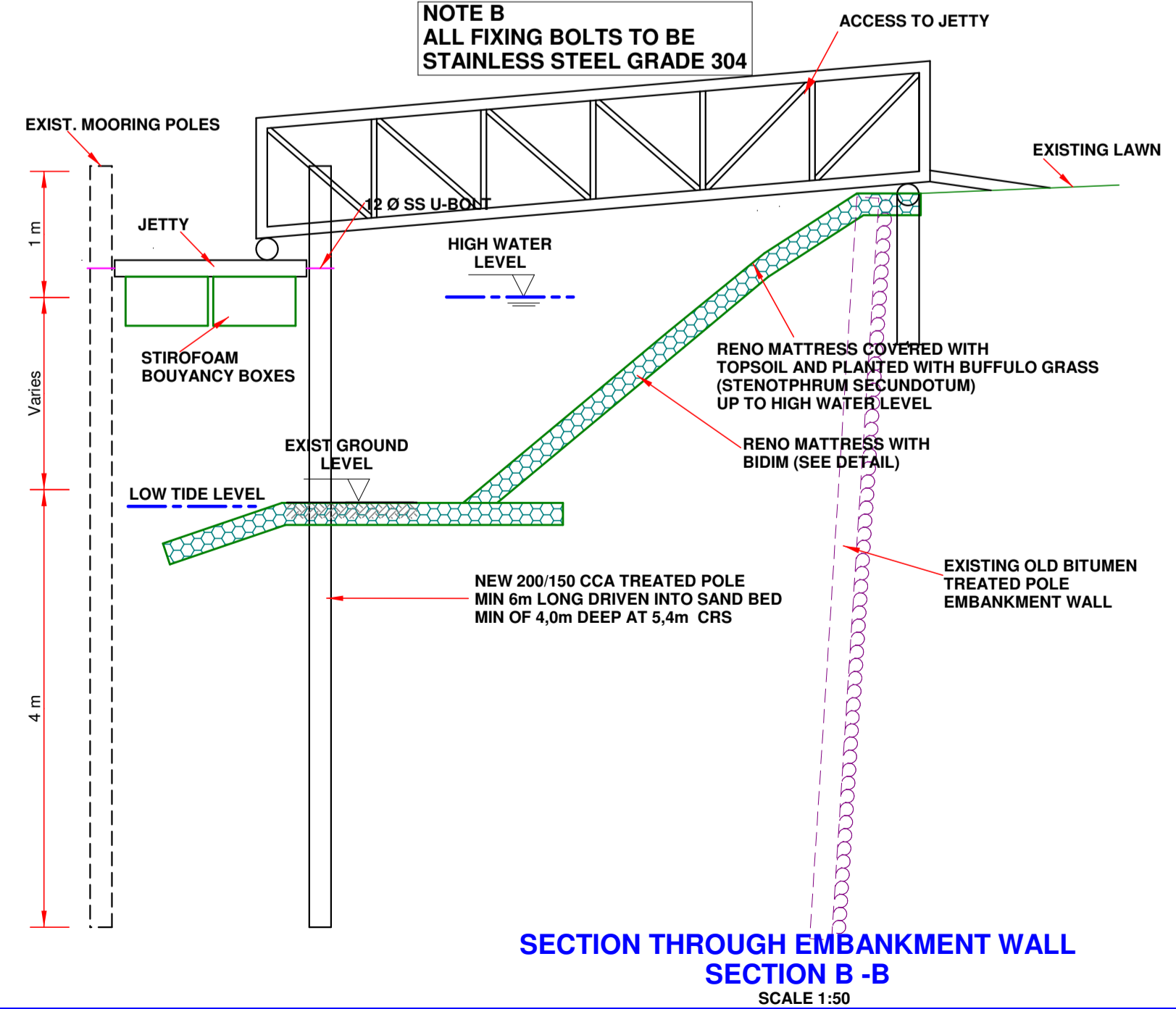
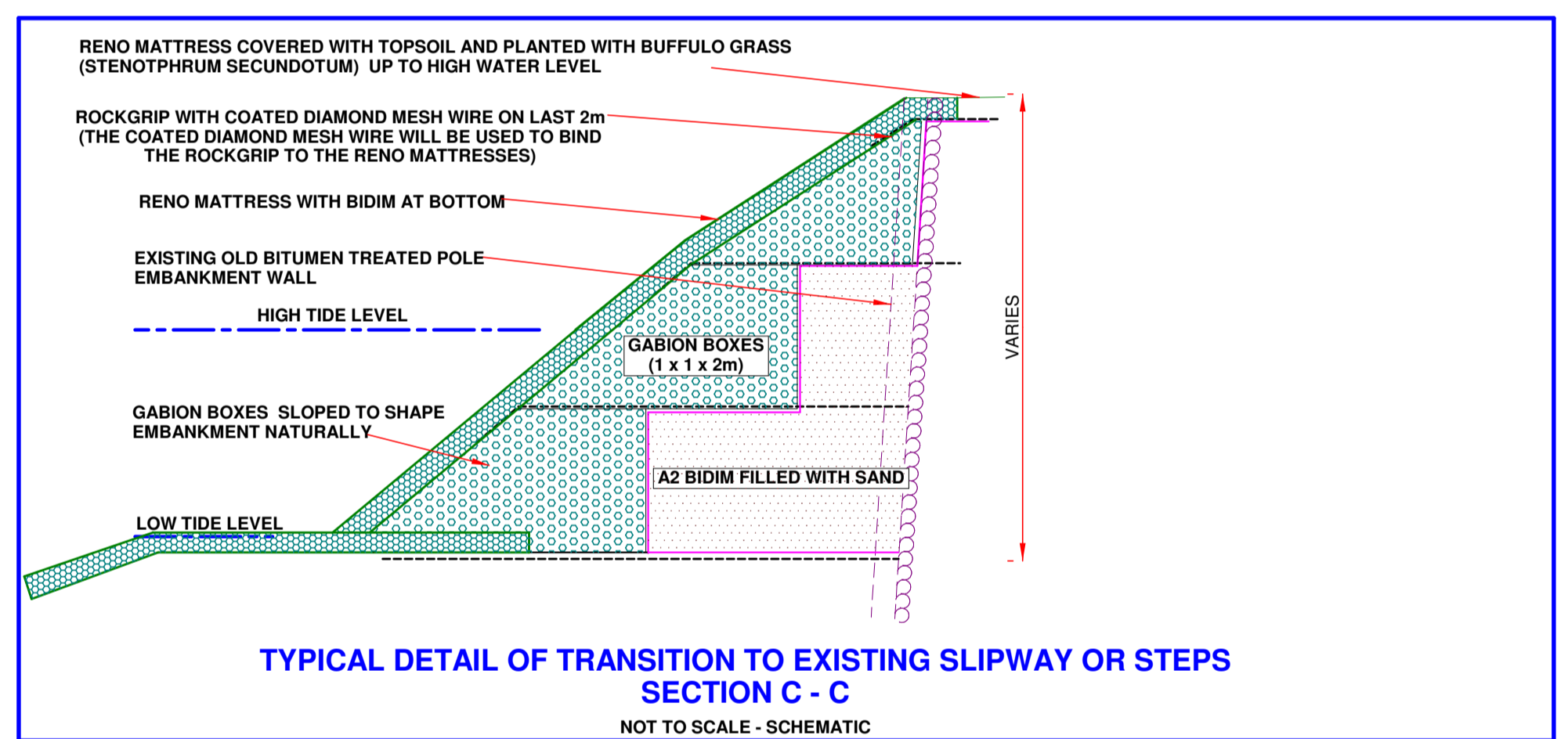
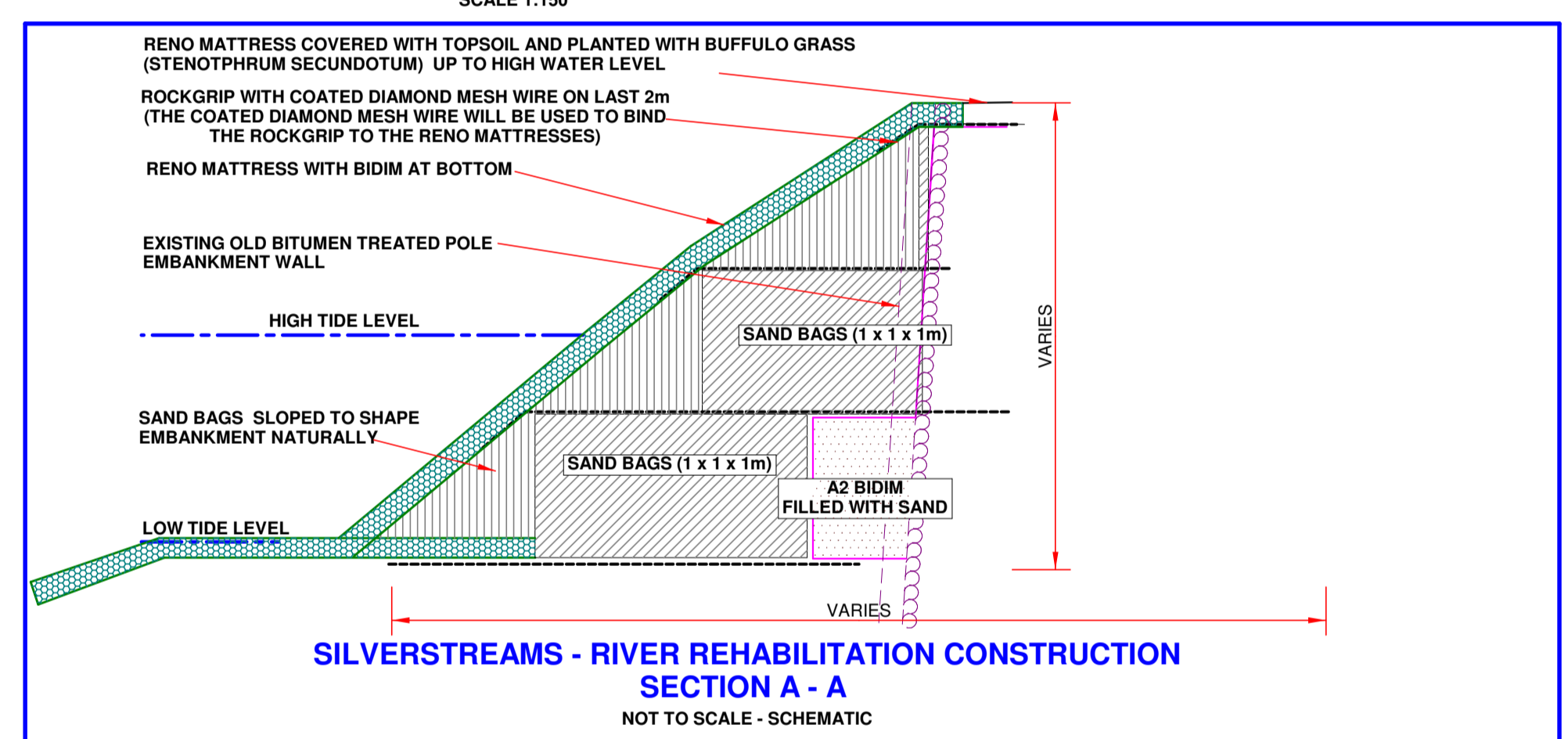
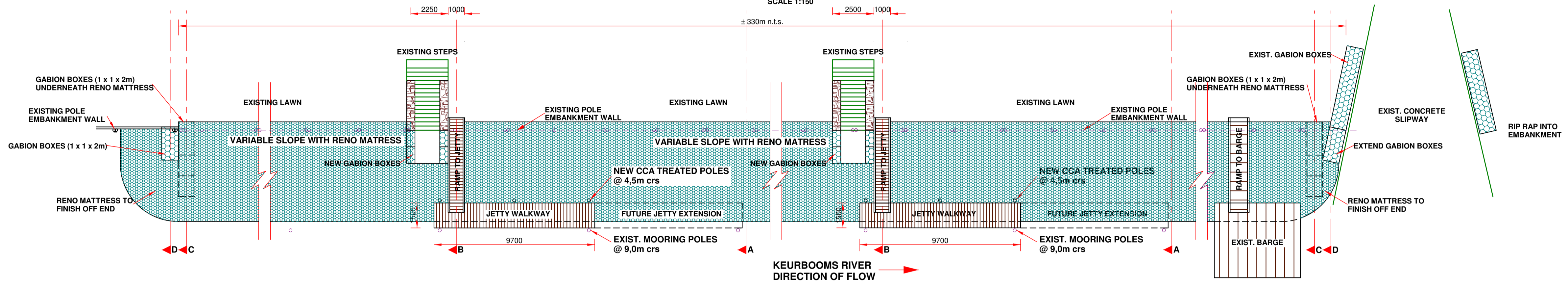
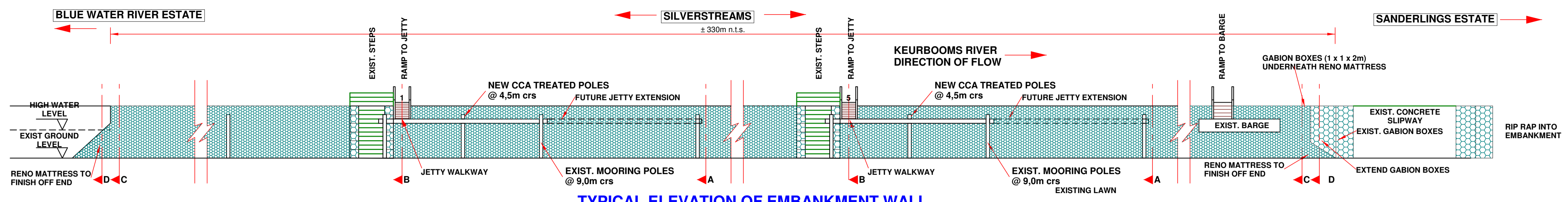


- METHOD STATEMENT FOR REHABILITATION OF RIVER BANK AT SILVERSTREAMS, PLETTENBERG BAY**
- Herewith a summary of planned construction activities to rehabilitate the Keurbooms river bank at Silverstreams development. Temporary measures:
- Excavate a level working platform at the low tide water level mark;
 - Place a "Rockgrip" layer on the invert of the excavation, this will ensure that the preceding layer will be fixed together to provide adequate stability. The "Rockgrip" layer will have a coated diamond mesh fixed to the last 2 m, to allow the "Rockgrip" to be fixed to the Reno mattresses;
 - Place Reno mattress to form the toe of the structure, to prevent undermining of the embankment;
 - Place 2 No. rows of 1 x 1 x 1 m sand bags along the low tide water level contour, to form the leading edge of protection against erosion;
 - Place 1 No. row at the back of the excavation, this will form an anchor for the sand fill which will follow;
 - Place a geotextile layer to form a container boundary from the front row and back row of sand bags. This will form a boundary into which sand can be placed;
 - Pump the sandy material that has been eroded from the river into the geotextile container. The sand must be compacted to ensure stability of the embankment;
 - Place a "Rockgrip" layer on the crest of the first layer, this will ensure that the preceding layer will be fixed together to provide adequate stability. The "Rockgrip" layer will have a coated diamond mesh fixed to the last 2 m, to allow the "Rockgrip" to be fixed to the Reno mattresses;
 - Repeat steps 4 - 8 until the top of the embankments are reached, take note that each layer should be offset by the distance necessary to shape the embankment to a natural slope;
 - Once all the layers have been completed, then sandbags should be placed on the steps, they should be filled with sand and the sand bags should be shaped to form a smooth transition between the layers; and
 - Geotextile should be placed on the face of the newly shaped embankment, from the bottom Reno mattress to the top of the embankment.
- Permanent measures:
- A layer of Reno mattresses should be placed on top of the geotextile and anchored vertically into the back of the embankment;
 - Organic material, Salt marsh, should be placed on the Reno mattresses in the inter-tidal zone; and
 - Topsail salvaged from excavations should be placed on top of the remaining Reno mattresses and plant material should be established to create a natural aesthetic.



NO.	DATE	AMENDMENT
PROJEK/PROJECT SILVERSTREAMS KEURBOOMS RIVER PLETTENBERG BAY		
MOSOMO CONSULTING CIVIL ENGINEERS (PTY) LTD		
015 307 4435		P.O. BOX 1093 1 CIRCLE DRIVE TZANEEN 0850 REP. OF SOUTH AFRICA
Fax: 015 307 1886		
e-mail: civil@mosomo.co.za		
TITEL/TITLE LOCALITY PLAN, TYPICAL WALL LAYOUT, SECTION & ELEVATION		
SKAAL / SCALE	DATUM / DATE	VEL / SHEET
AS SHOWN	MAY 2017	
ONTWERP / DESIGN	GETEKEN / DRAWN	TEK. NR. / DRAW. NR.
A.B. CILLIERS	D.INGRAM	949- SILVERSTREAMS - 1