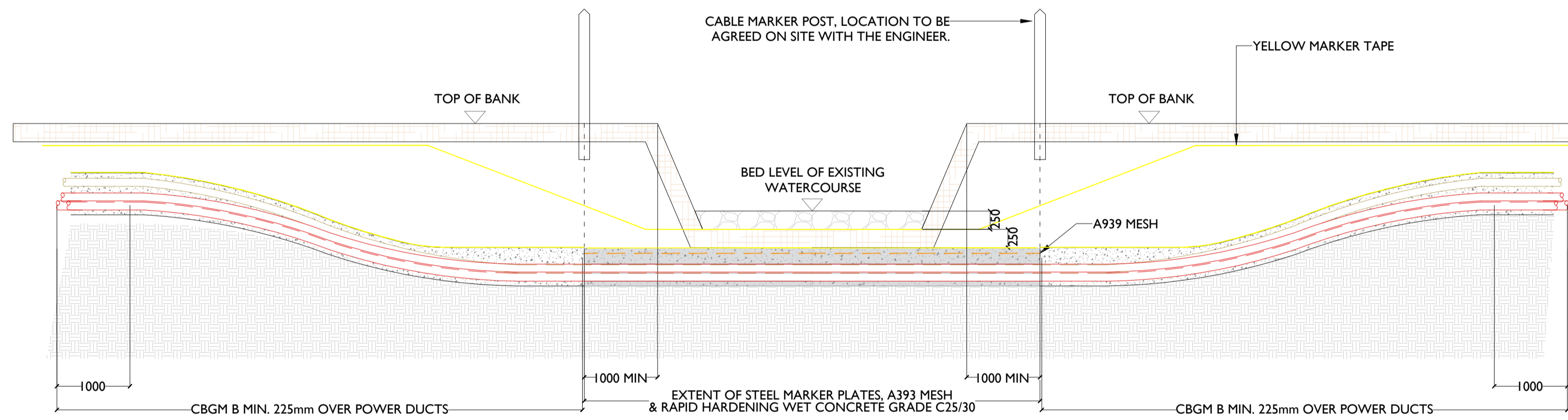
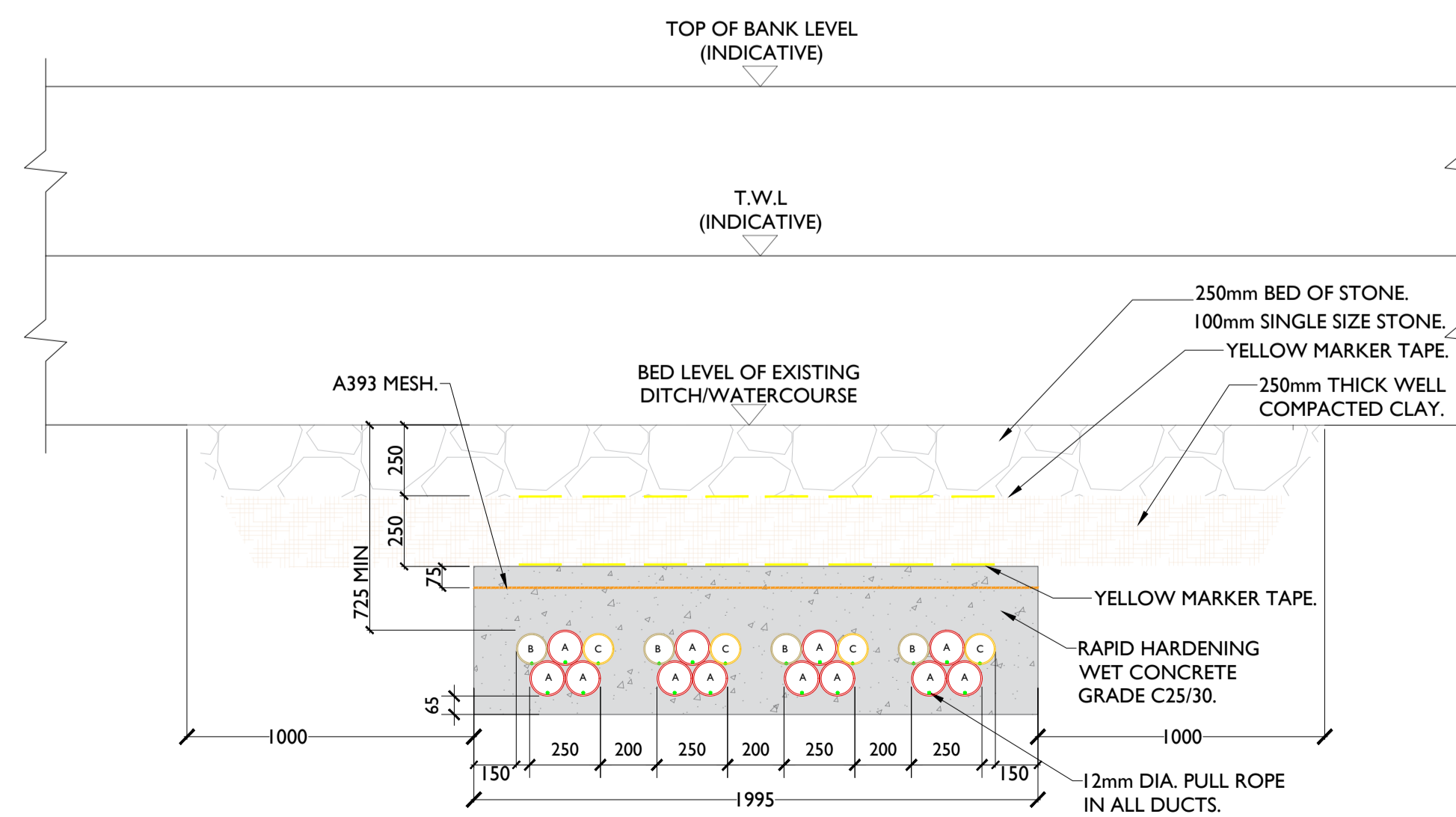


**DRAWING NOTES:**

- No excavation shall commence until the contractor has consulted up to date services drawings and carried out an electromagnetic locator (eml) scan.
  - Hand dig only within 500mm of existing services.
  - The contractor is responsible for the design and construction of all temporary works, the contractor shall appoint a competent temporary works designer, and submit temporary works design to PSDP for review.
  - For standard trench cross section drawings see 300100920-DR-133.
  - The contractor shall record detailed as-built information as per the specification. At all crossing locations these records shall include photographic evidence clearly demonstrating the minimum service clearances and duct separations have been achieved.
  - For river, stream crossings, the ducts layout and crossing details are the same to the drainage ditch crossing.
  - Separation between power cable ducts to be determined by cable rating calculations based on the maximum depth of cover to the ducts.
- ENVIRONMENTAL NOTES:**
- To minimise the risk of in-stream habitat damage, all clean course surface material (gravel, cobbles & boulders) on the bed of the river or stream to a depth 200mm will be removed prior to all construction.
  - Once the watercourse is clear the dams, flumes, downstream silt traps and associated water protection measures will be manually installed by hand.
  - On installation of dam and flume equipment, both stream crossings will be electro-fished. Any fisheries habitats found will be translocated under license from Inland Fisheries Ireland and under the supervision of an aquatic ecologist.
  - An ecological clerk of works will be appointed to oversee cable laying works at the stream crossings. An aquatic ecologist will oversee the protection of local fisheries habitats, and a qualified arborist will oversee the removal and reinstatement of trees.
  - Root protection areas will be calculated by a qualified arborist in accordance with British Standard BS 5837:2012. The root protection areas will be demarcated on site in advance of removal of any trees to assess the full extent of removal before undertaking any works.



**Section A-A: Longitudinal Section - Crossing Under Watercourse**  
SCALE 1:50



**Section B-B: Flat Formation Cross Section**  
SCALE 1:20

ISSUED FOR PLANNING  
05.12.2025

**PROJECT**

**Coom Green Energy Park  
33kV Interconnection**

**CLIENT**

**Coom Green Energy  
Park Limited**

**CONSULTANTS**

NOTES: -

LEGEND: -

**ISSUE/REVISION**

I/R	DATE	DESCRIPTION
P1	05.12.25	Issued for Planning
N1	25.07.25	Issued for Information

**PROJECT NUMBER**

300-100920

**SHEET TITLE**

Typical Four Circuit  
Watercourse Undercrossing

**SHEET NUMBER**

300100920-DR-133