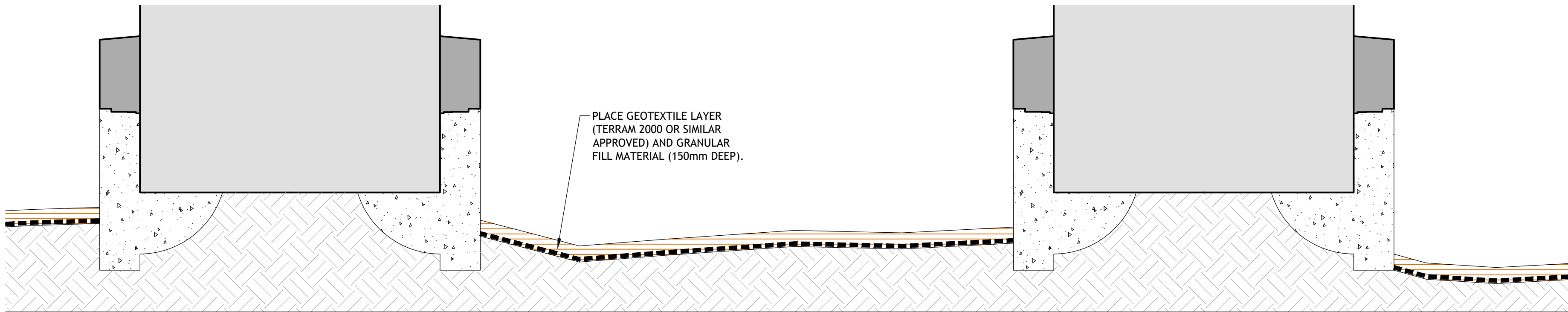
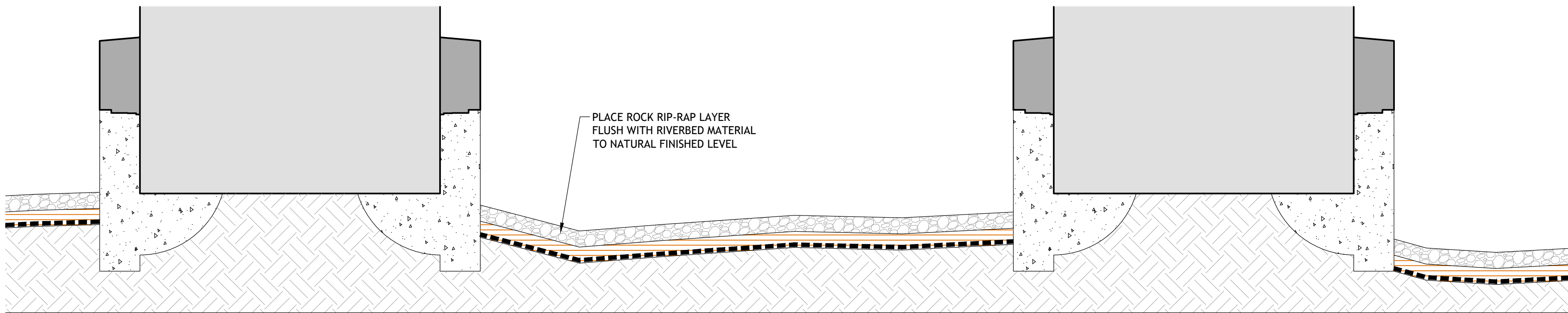


TYPICAL SECTION THROUGH  
RIVERBED SCOUR REPAIR WORKS  
- PROPOSED STEP 1  
SCALE 1:20



TYPICAL SECTION THROUGH  
RIVERBED SCOUR REPAIR WORKS  
- PROPOSED STEP 2  
SCALE 1:20



TYPICAL SECTION THROUGH  
RIVERBED SCOUR REPAIR WORKS  
- PROPOSED STEP 3  
SCALE 1:20

REQUIREMENTS FOR BEDDING GRAVEL	
GRADINGS	d50 = 50mm
SHAPE	≤ 3.0
PROPORTION OF CRUSHED OR BROKEN SURFACES	≤ 50%
PARTICLE DENSITY	2.5
PLASTICITY INDEX	NON PLASTIC
LOS ANGELES COEFFICIENT	LA ≤ 35% (PER IS EN 1097-2)
SLAKE DURABILITY	> 90%
RESISTANCE TO WEAR	60 TO 80%

REQUIREMENTS FOR ROCK ARMOUR	
GRADINGS	d50 = 250mm
SHAPE	≤ 2.5
PROPORTION OF CRUSHED OR BROKEN SURFACES	90%
PARTICLE DENSITY	2.5
PLASTICITY INDEX	NON PLASTIC
LOS ANGELES COEFFICIENT	LA ≤ 35% (PER IS EN 1097-2)
SLAKE DURABILITY	>90%
RESISTANCE TO WEAR	60 TO 80%

NOTES:

1. ALL DIMENSIONS IN METERS UNLESS NOTED OTHERWISE.
2. DO NOT SCALE FROM THIS DRAWING, USE FIGURED DIMENSIONS ONLY.
3. USE NON-WOVEN GEOTEXTILE WITH A MINIMUM TENSILE STRENGTH OF [X] kN/m AND PERMEABILITY OF [Y] M/S.
4. OVERLAP ADJACENT GEOTEXTILE SHEETS BY A MINIMUM OF 0.5M AND SECURE IN PLACE BEFORE PLACING THE GRANULAR LAYER.
5. GEOTEXTILE SHALL BE TERRAM 2000 OR SIMILAR APPROVED.
6. THE GEOTEXTILE FABRIC SHALL BE PLACED DIRECTLY ON THE PREPARED RIVERBED, FREE OF DEBRIS AND SHARP OBJECTS.
7. GRANULAR FILL MATERIAL TO BE PLACED ON THE GEOTEXTILE IN A LAYER 150MM DEEP.
8. THE GRANULAR FILL LAYER SHALL BE PLACED EVENLY OVER THE GEOTEXTILE TO PREVENT PUNCTURING AND PROVIDE A STABLE BEDDING FOR THE RIPRAP.
9. GRANULAR FILL MATERIAL TO MEET SPECIFICATION REQUIREMENTS SHOWN IN BOX 1.
10. RIPRAP SHALL BE LAID ONTO OF THE GRANDULAR FILL MATERIAL TO A DEPTH MATCHING THE SURROUNDING RIVER BED LEVELS.
11. RIPRAP TO MEET SPECIFICATION REQUIREMENTS SHOWN IN BOX 2.
12. RIPRAP SHALL BE PLACED GRADUALLY, AVOIDING FREE FALL TO PREVENT DAMAGE TO UNDERLYING LAYERS
13. SCOUR HOLES LESS THAN 400MM DEEP TO BE FILLED WITH GRANULAR FILL MATERIAL ONLY. SURROUNDING GRAVEL MATERIAL WITHIN THE RIVERBED CAN BE USED WHERE POSSIBLE.

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Figured dimension only to be taken from this drawing.  
Consultants to be informed immediately of any discrepancies before work proceeds.

COLOUR DRAWING



Rev	Amendment	By	Date	Rev	Amendment	By	Date	Client:
C01	ISSUED FOR PLANNING	CS	2025-04-01					SLIGO COUNTY COUNCIL



Project: MARKIEVICZ BRIDGE REHABILITATION				
Title: RIVERBED SCOUR REPAIRS				
Drawn: F McGibbon	Date drawn: NOVEMBER 2024	Technician Check: PJ Mulcahy	Engineer Check: Kevin D O'Riordan	Approved: Kevin D O'Riordan
Project No: 224138	Model Ref: 224138-PUNCH-XX-XX-M2-C-0202	Drawing Status: A0 (Planning)		
Scale @ A1: AS SHOWN	Document No: 224138-PUNCH-XX-XX-DR-C-0202	Revision No: C01		