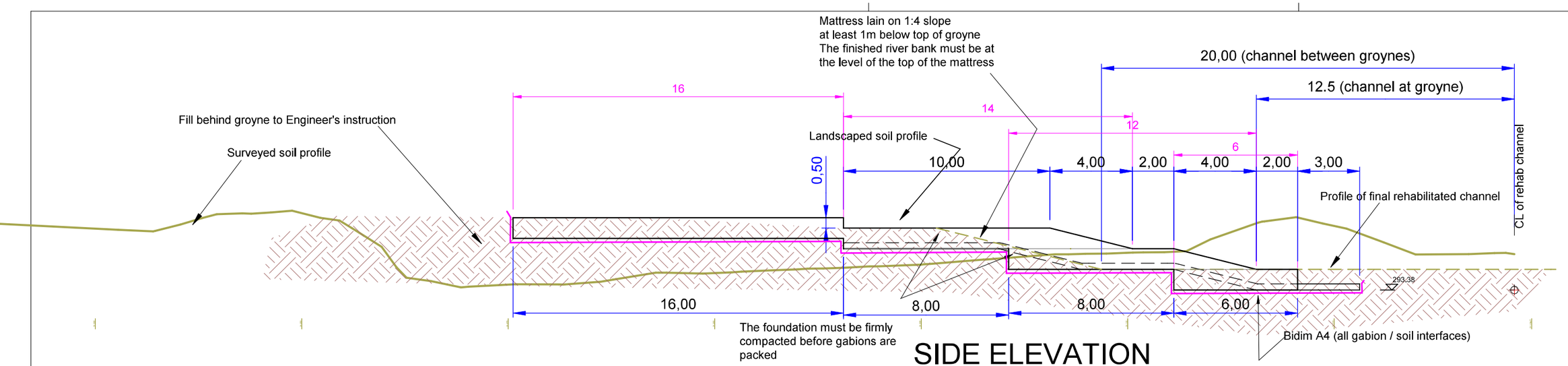

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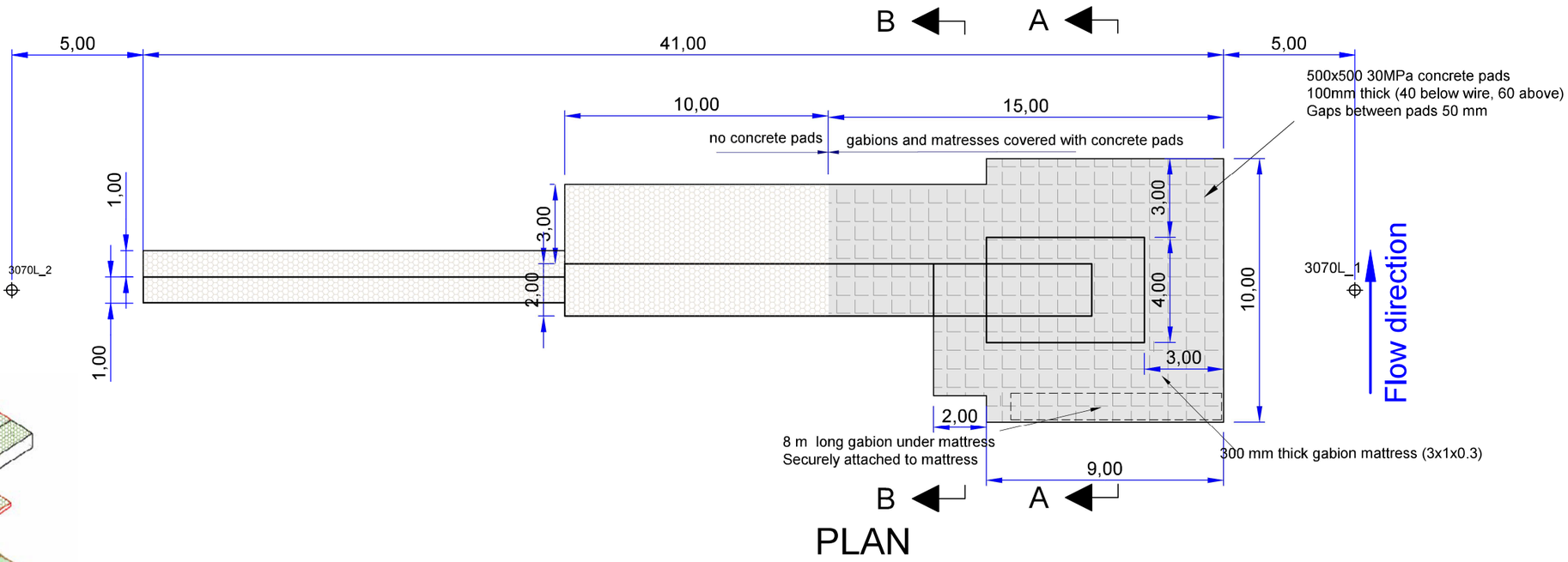

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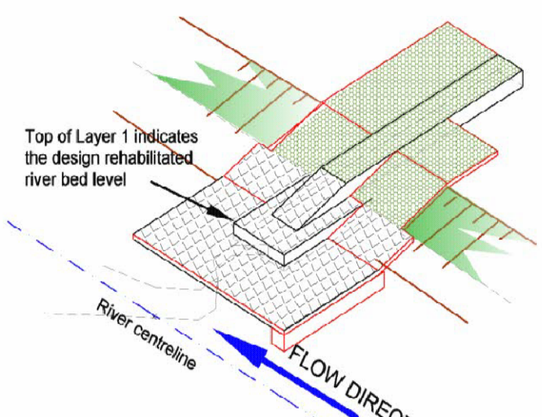
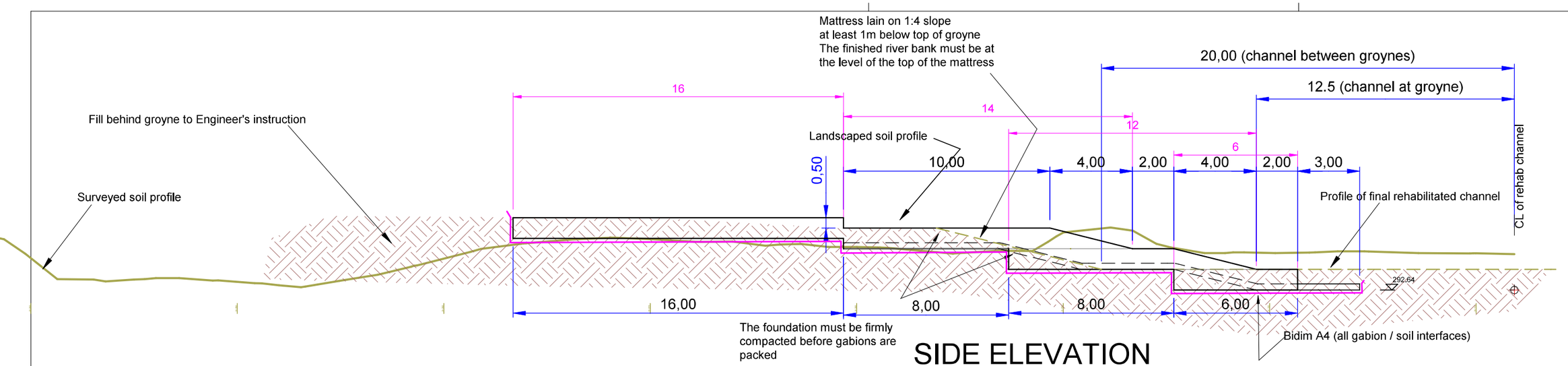


TYPICAL ISOMETRIC VIEW

mk4 L

HansKingSRS (Pty) Ltd Sustainable River Stabilization	Project : HEX RIVER STABILIZATION Worcester East Water Users Association	Western Cape Government FOR YOU	CASIDRA SOC	Title Groyne at SV 3+070L Scale 1 : 200 Drawing number HKSRS 2026/003/041/1 Drawing date 2026/04/20



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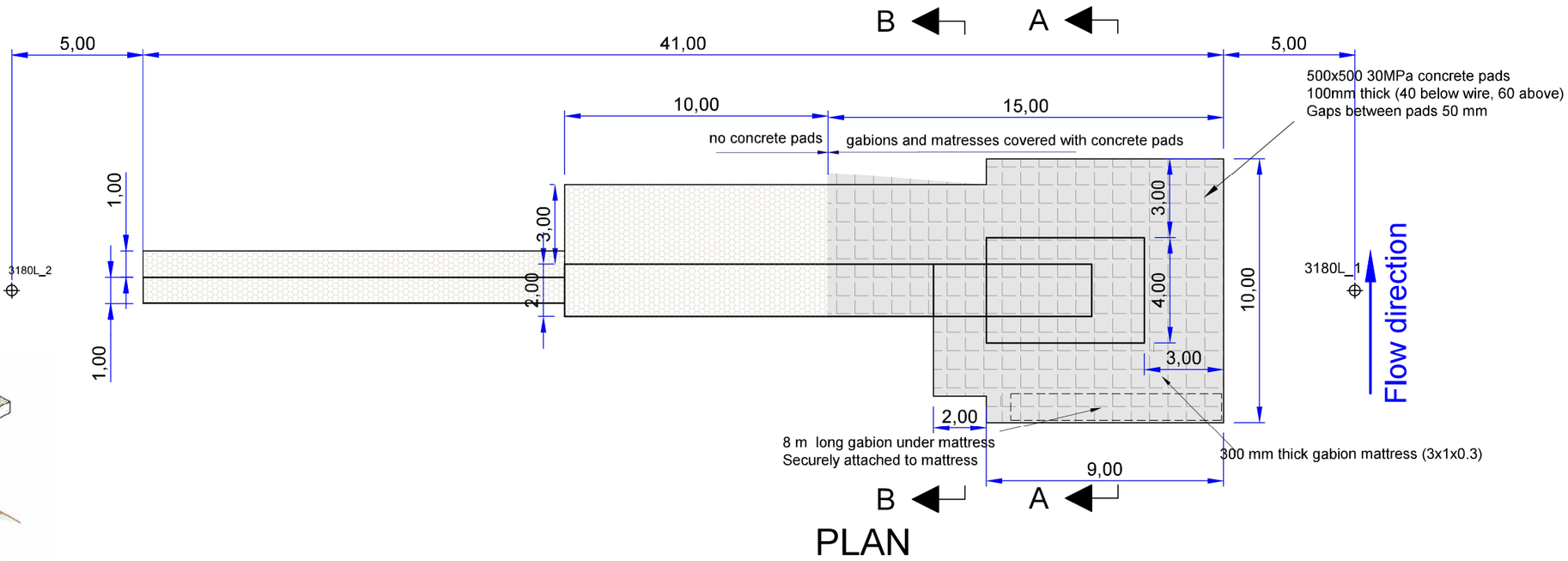

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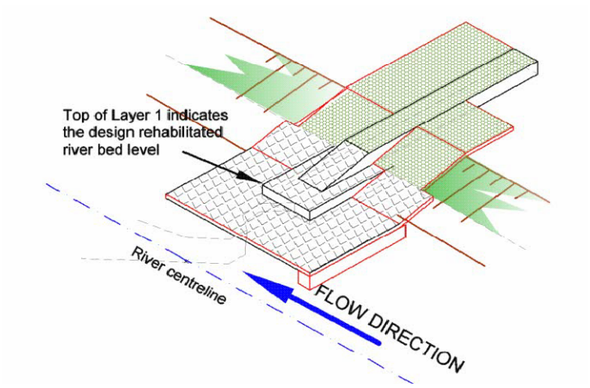
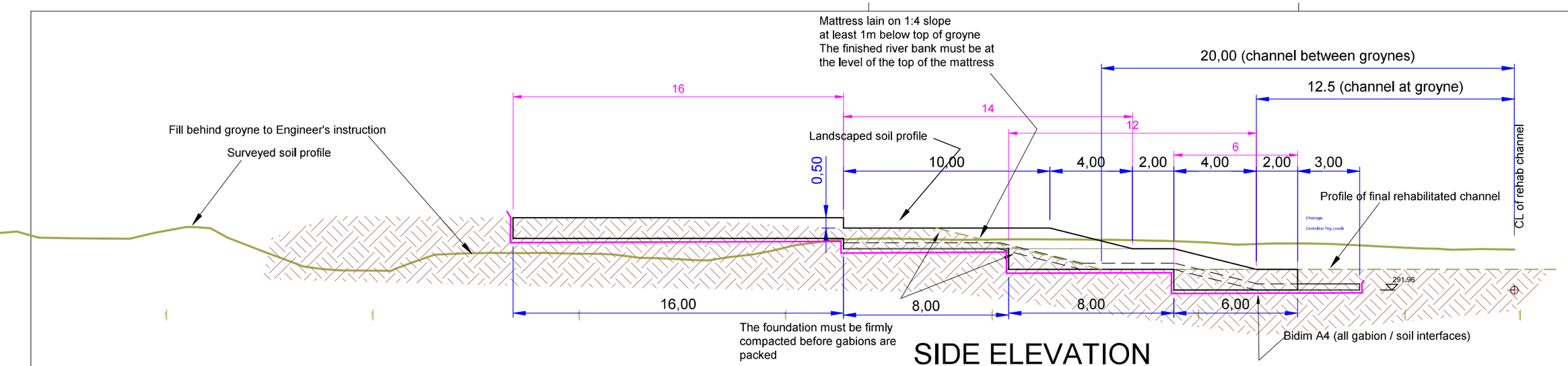


TYPICAL ISOMETRIC VIEW

mk4 L

HansKingSRS (Pty) Ltd Sustainable River Stabilization	Project : HEX RIVER STABILIZATION Worcester East Water Users Association	Western Cape Government FOR YOU	CASIDRA SOC	Title Groyne at SV 3+180L Scale 1 : 200 Drawing number HKSRS 2026/003/042/1 Drawing date 2026/04/20



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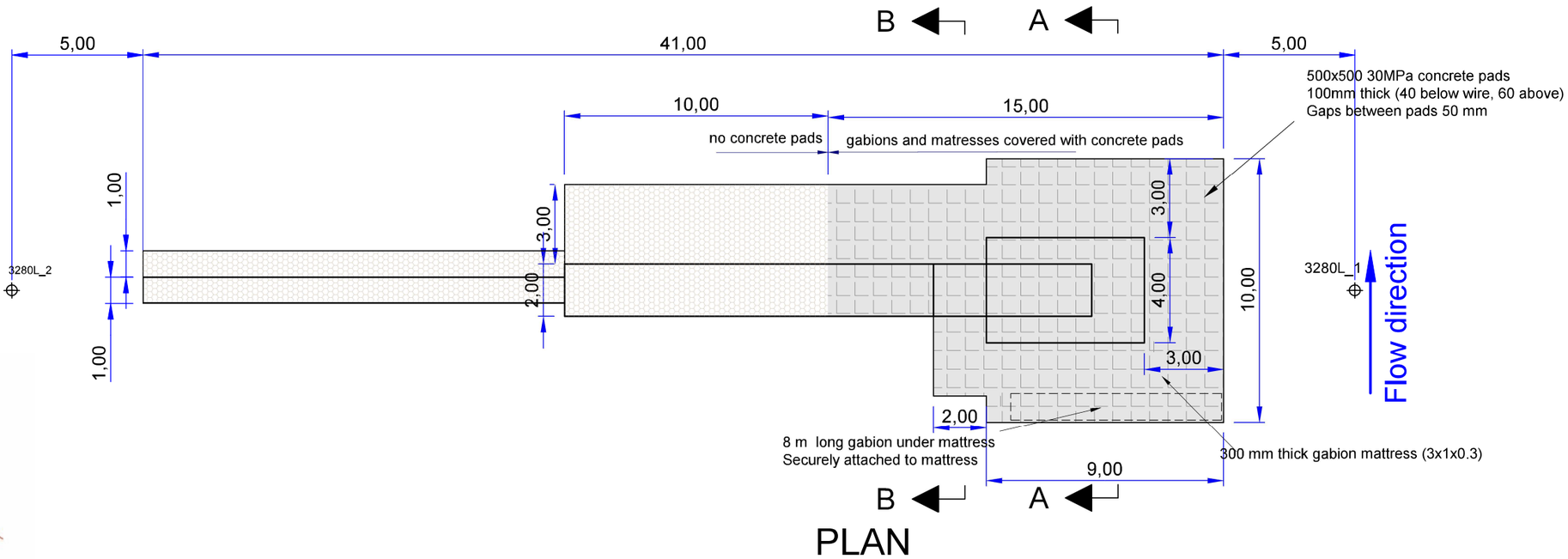

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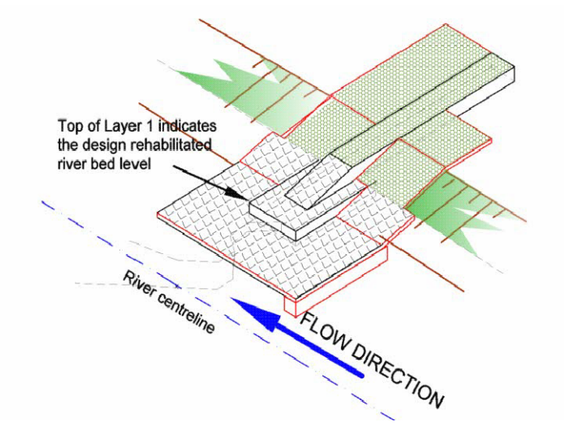
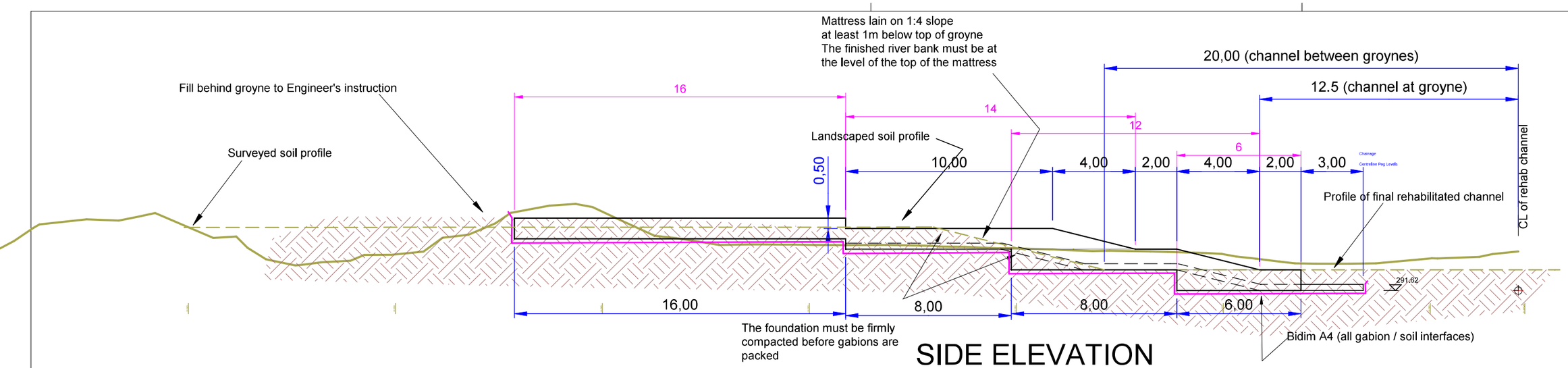


TYPICAL ISOMETRIC VIEW

mk4 L

HansKingSRS (Pty) Ltd Sustainable River Stabilization	Project : HEX RIVER STABILIZATION Worcester East Water Users Association	Western Cape Government FOR YOU	CASIDRA SOC	Title Groyne at SV 3+280L Scale 1 : 200 Drawing number HKSRS 2026/003/043/1 Drawing date 2026/04/20



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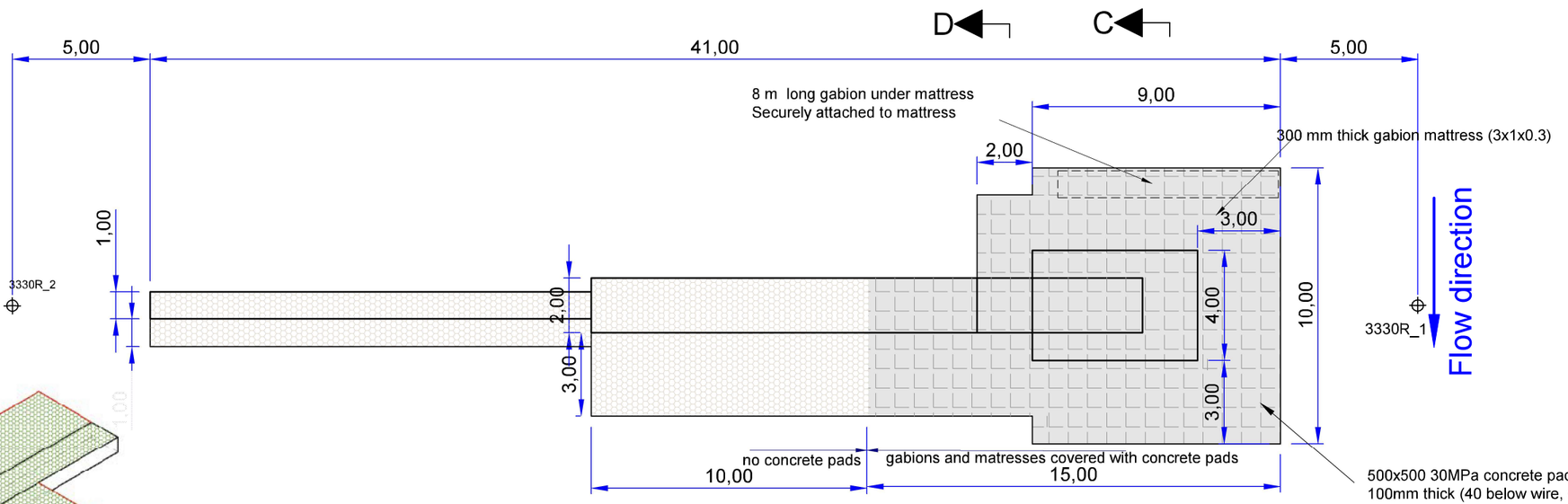

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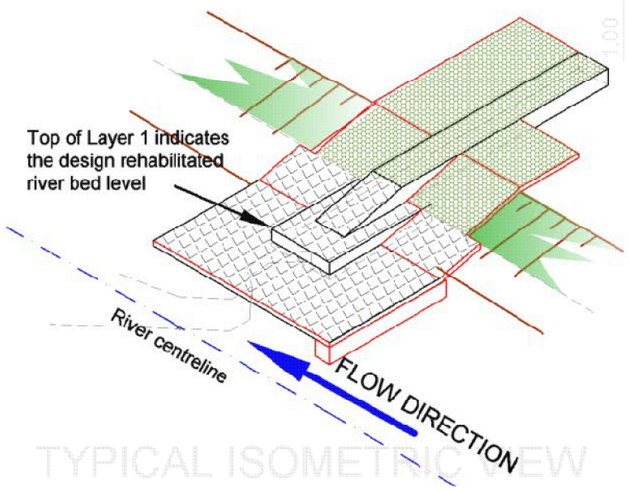
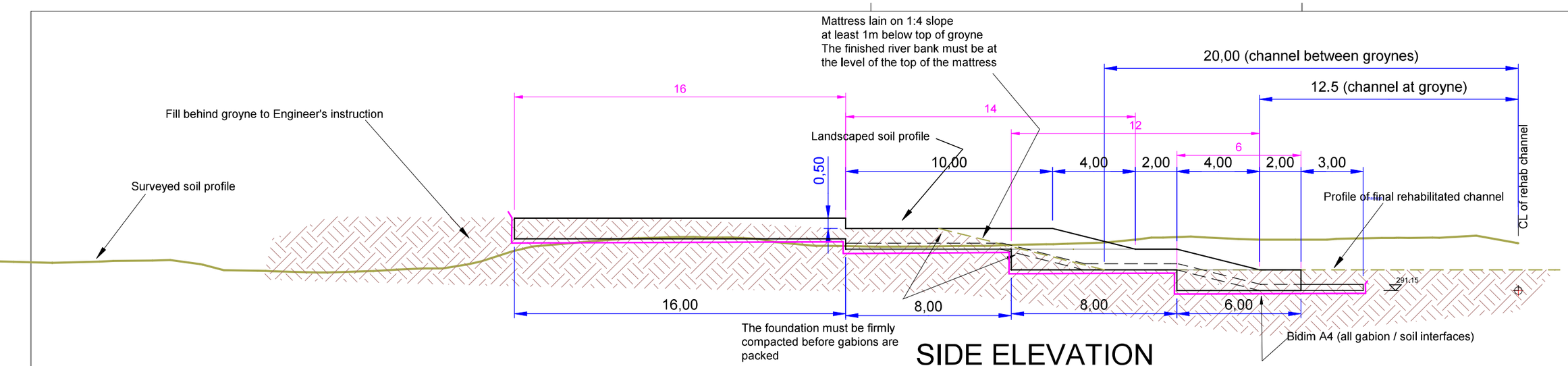


TYPICAL ISOMETRIC VIEW

mk4 L

HansKingSRS (Pty) Ltd Sustainable River Stabilization	Project : HEX RIVER STABILIZATION Worcester East Water Users Association	Western Cape Government FOR YOU	CASIDRA SOC	Title Groyne at SV 3+330R Scale 1 : 200 Drawing number HKSRS 2026/003/044/1 Drawing date 2026/04/20



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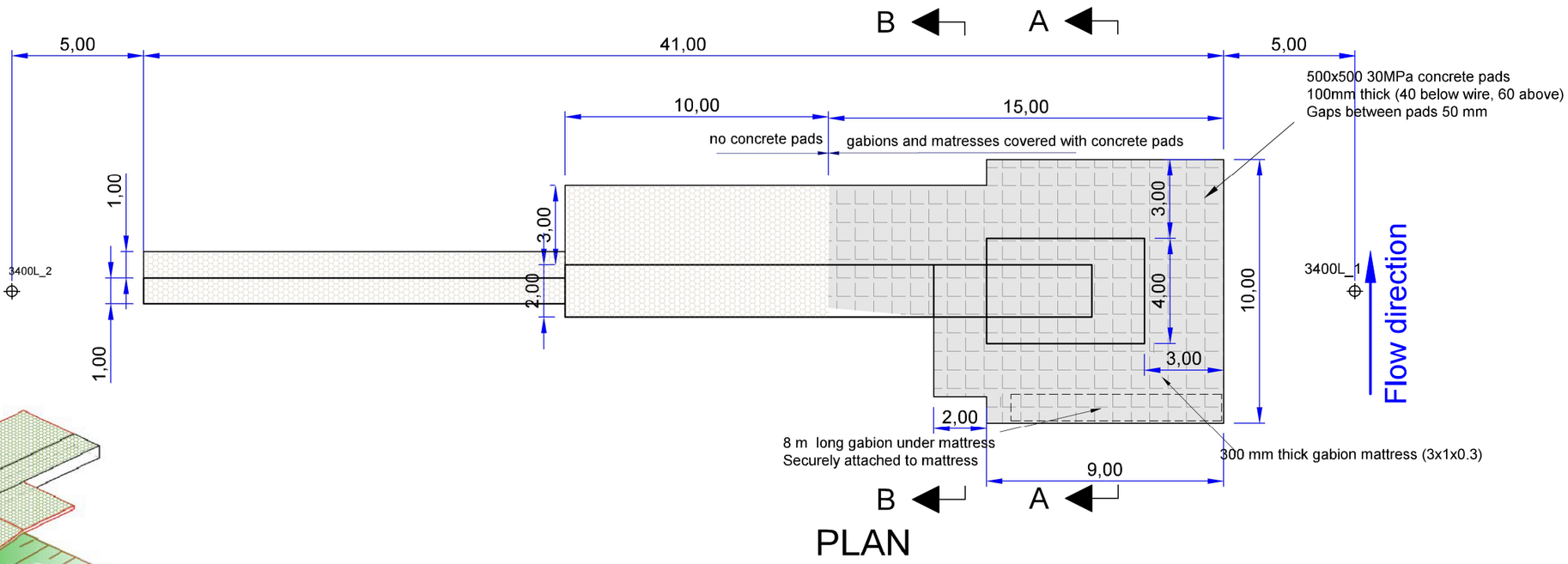

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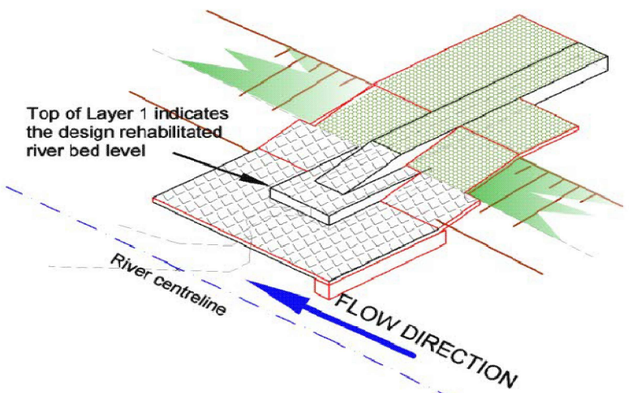
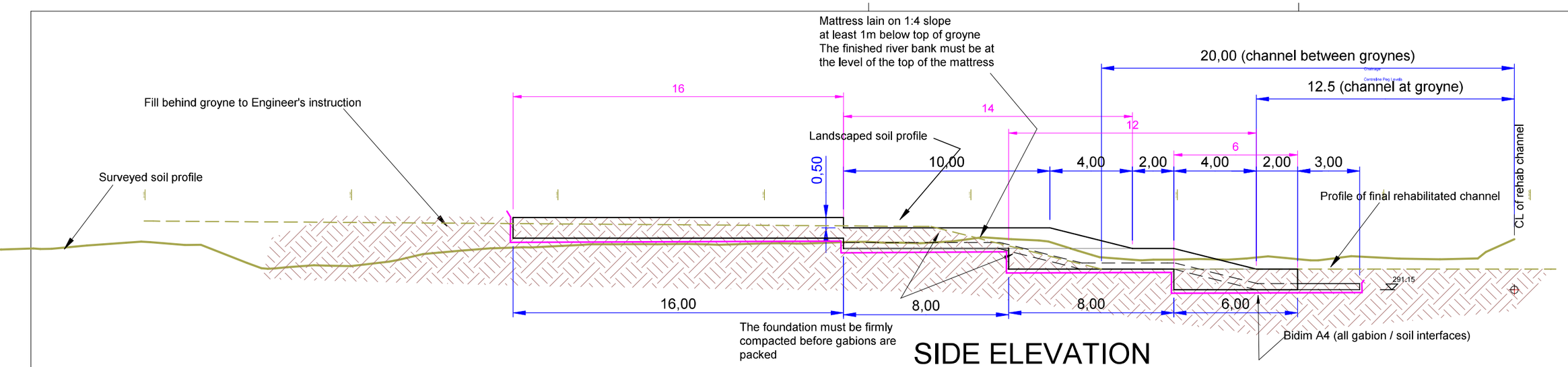


TYPICAL ISOMETRIC VIEW

mk4 L

HansKingSRS (Pty) Ltd Sustainable River Stabilization	Project : HEX RIVER STABILIZATION Worcester East Water Users Association	Western Cape Government FOR YOU	CASIDRA SOC	Title Groyne at SV 3+400L Scale 1 : 200 Drawing number HKSRS 2026/003/045/1 Drawing date 2026/04/20



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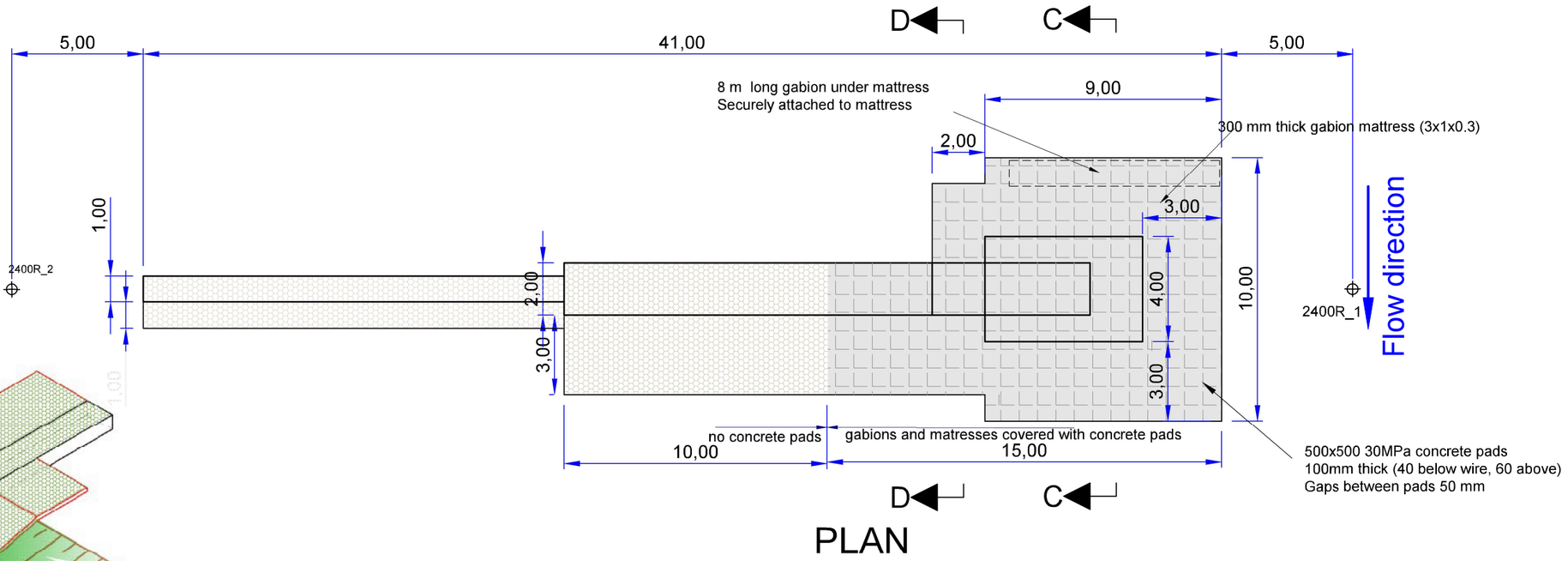

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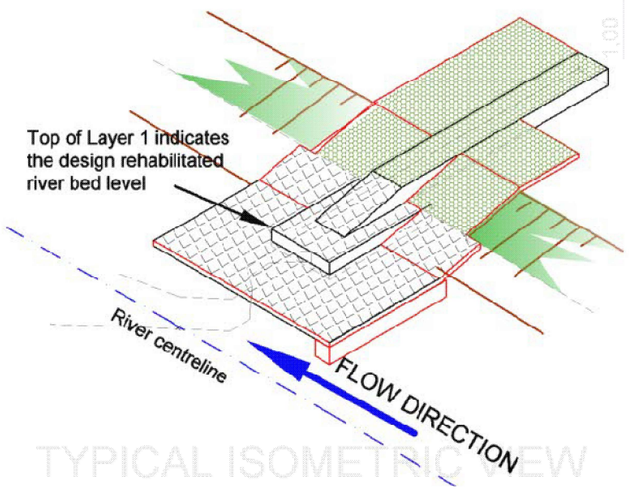
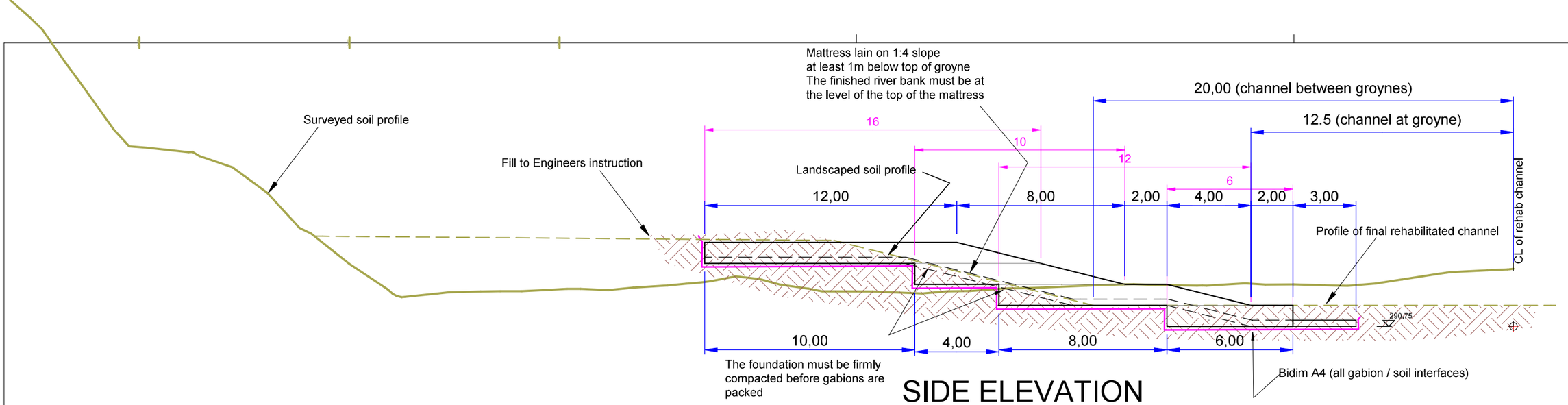


TYPICAL ISOMETRIC VIEW

mk4 L

HansKingSRS (Pty) Ltd Sustainable River Stabilization	Project : HEX RIVER STABILIZATION Worcester East Water Users Association	Western Cape Government FOR YOU	CASIDRA SOC	Title Groyne at SV 3+400R Scale 1 : 200 Drawing number HKSRS 2026/003/046/1 Drawing date 2026/04/20



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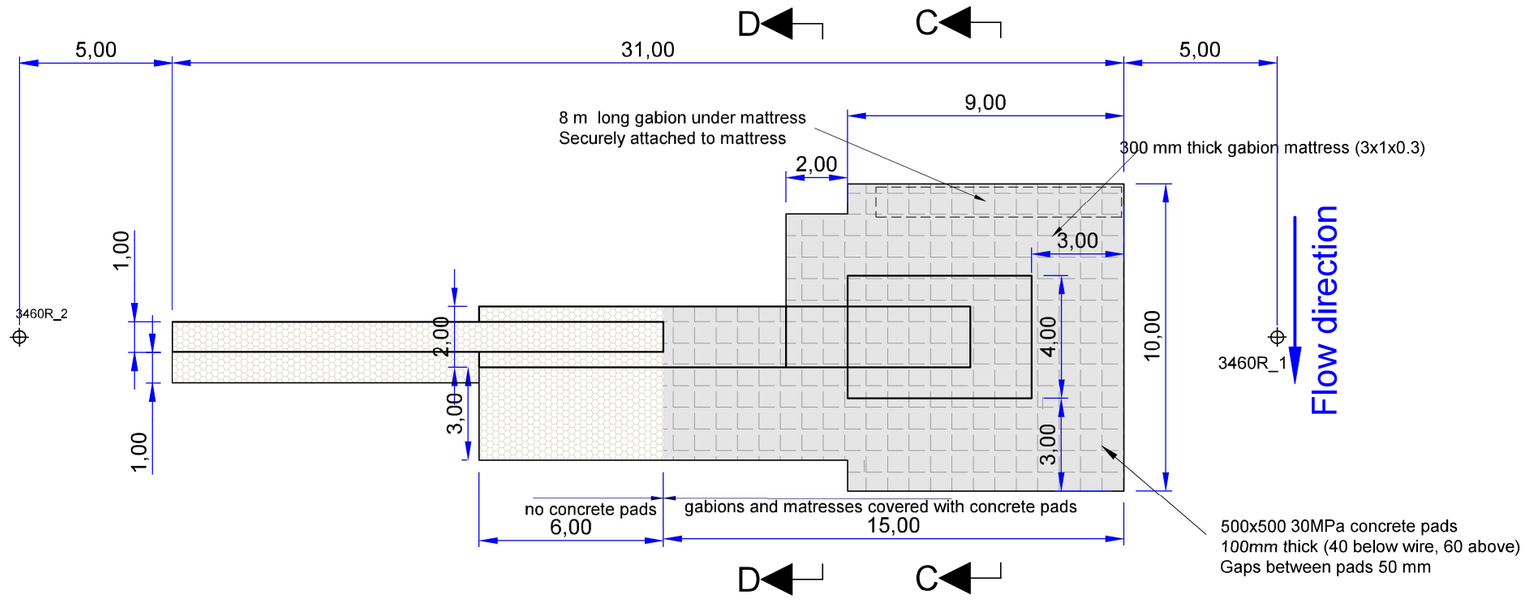

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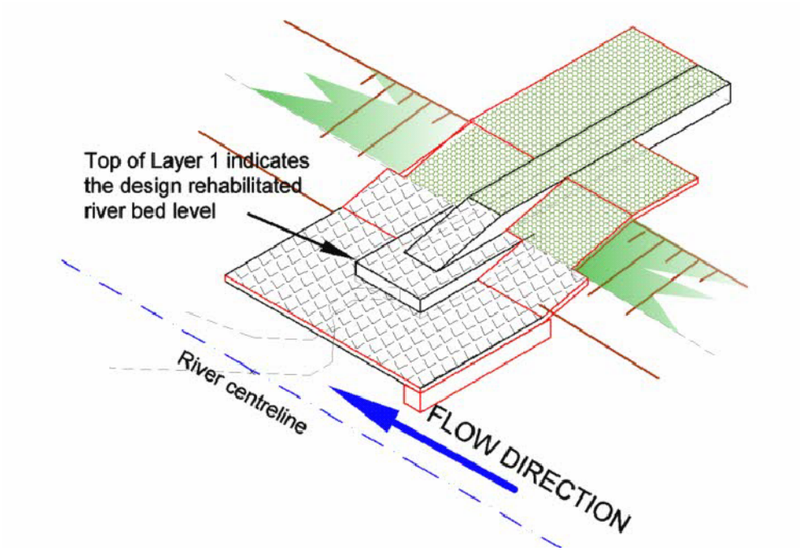
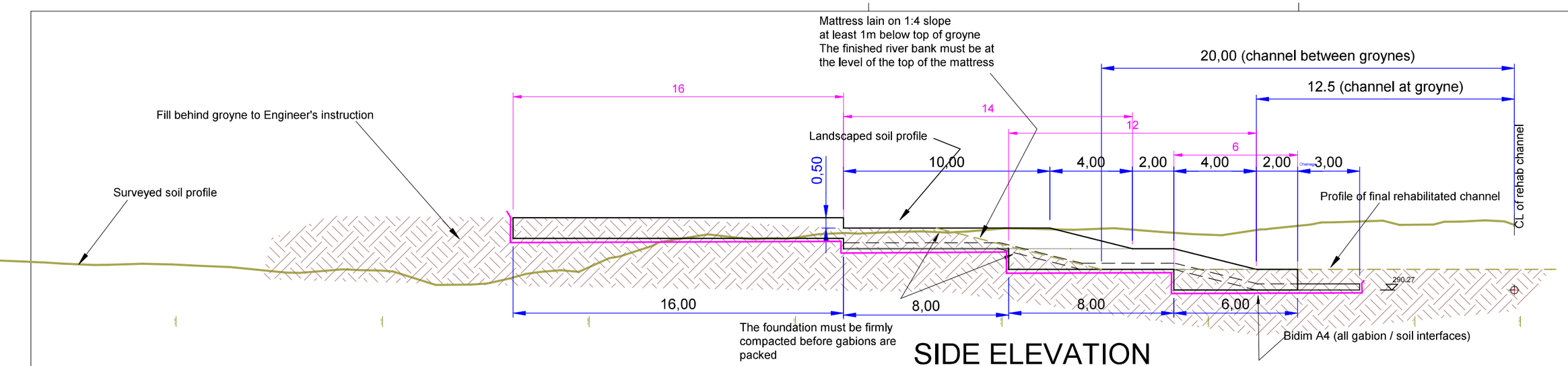


TYPICAL ISOMETRIC VIEW

mk1 L

HansKingSRS (Pty) Ltd Sustainable River Stabilization	Project : HEX RIVER STABILIZATION Worcester East Water Users Association	Western Cape Government FOR YOU	CASIDRA SOC	Title Groyne at SV 3+460R Scale 1 : 200 Drawing number HKSRS 2026/003/047/1 Drawing date 2026/04/20



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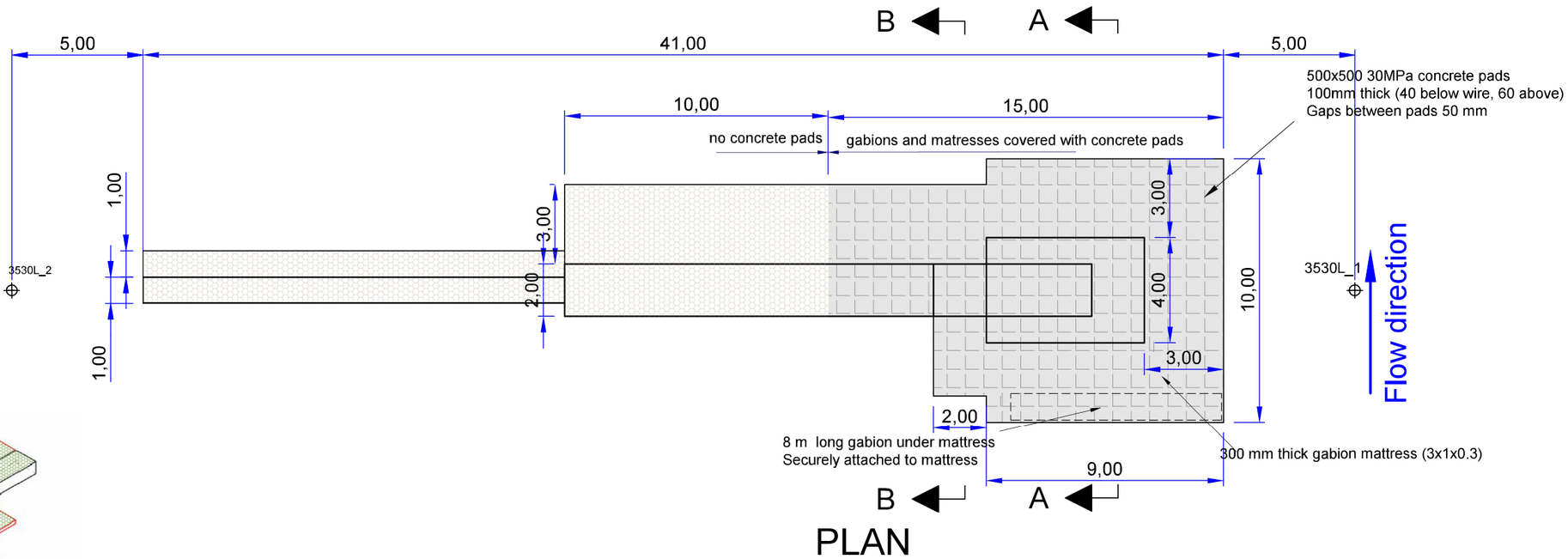

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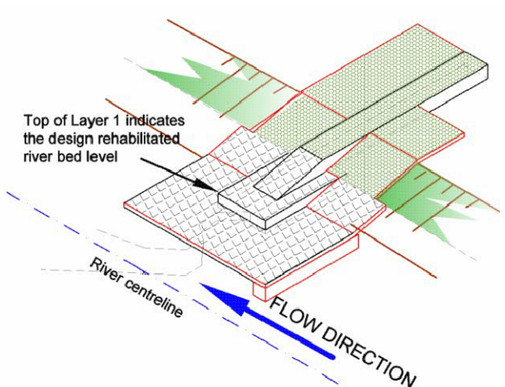
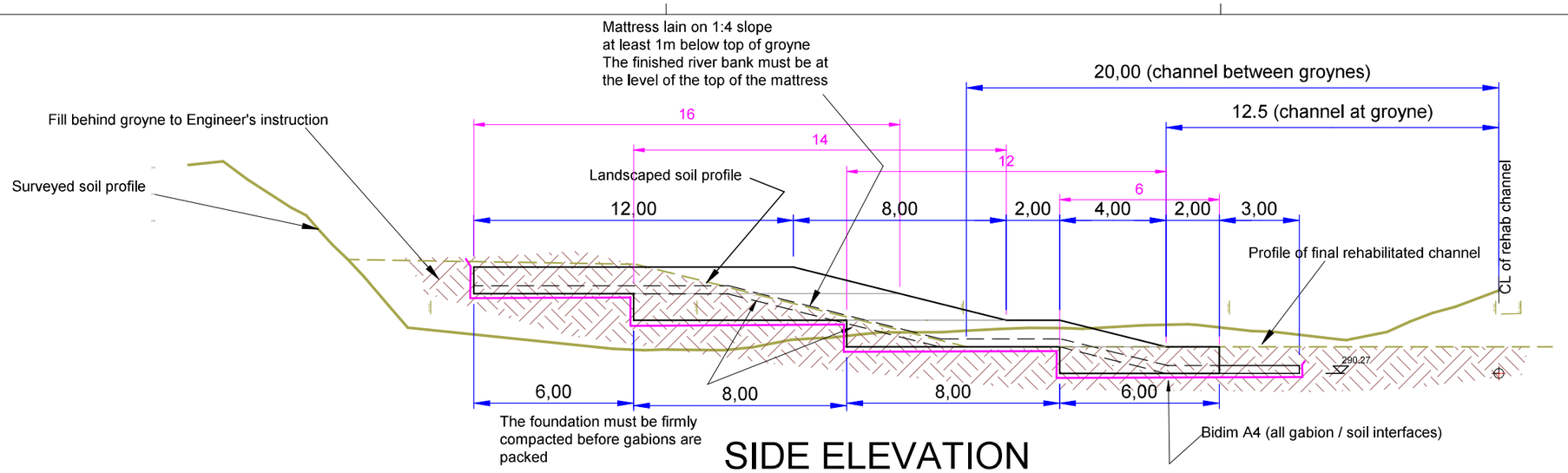


TYPICAL ISOMETRIC VIEW

mk4 L

HansKingSRS (Pty) Ltd Sustainable River Stabilization	Project : HEX RIVER STABILIZATION Worcester East Water Users Association	Western Cape Government FOR YOU	CASIDRA SOC	Title Groyne at SV 3+530L Scale 1 : 200 Drawing number HKSRS 2026/003/048/1 Drawing date 2026/04/20



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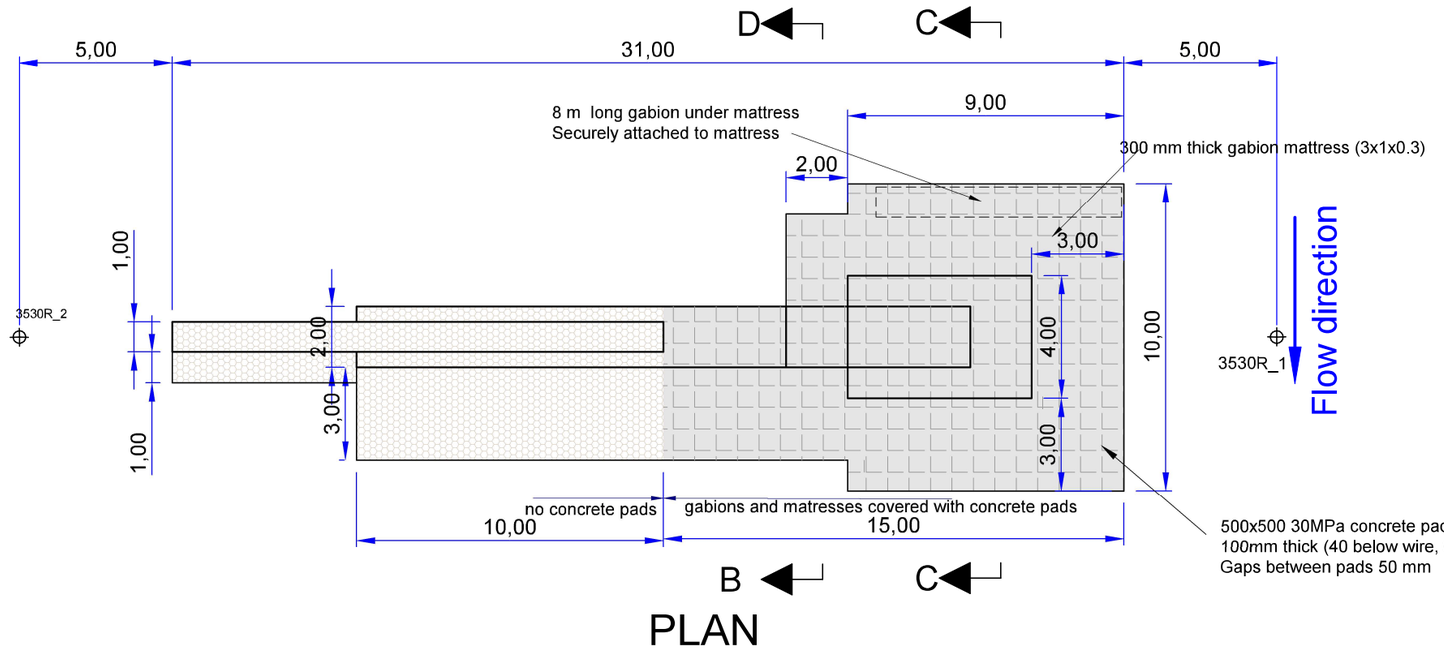

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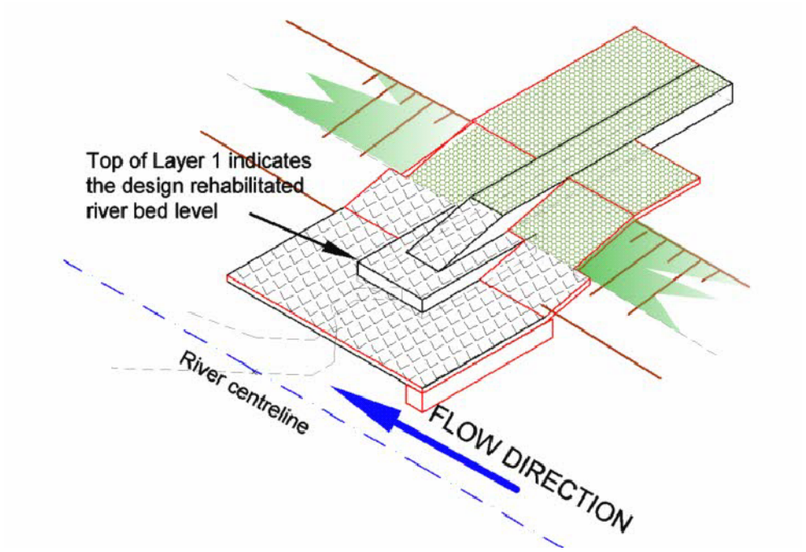


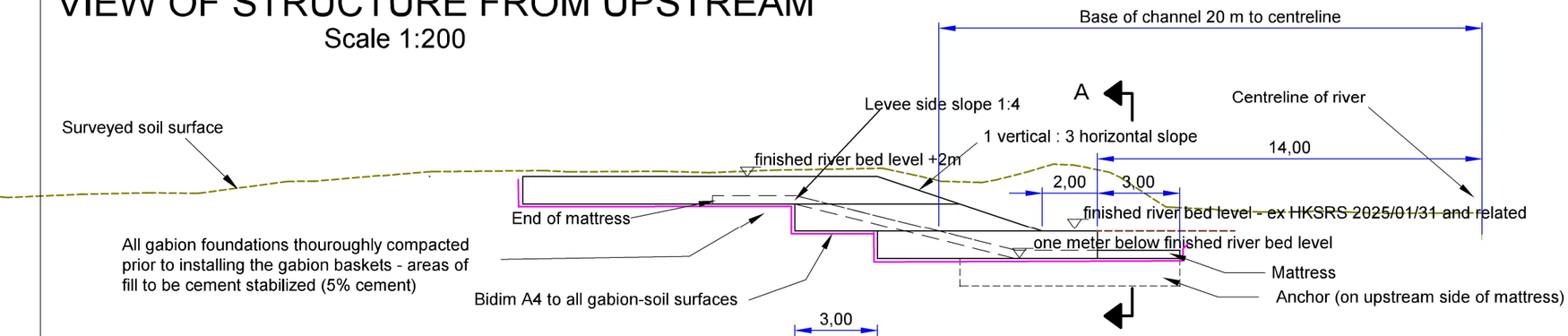
TYPICAL ISOMETRIC VIEW

mk2 L

HansKingSRS (Pty) Ltd Sustainable River Stabilization	Project : HEX RIVER STABILIZATION Worcester East Water Users Association	Western Cape Government FOR YOU	CASIDRA SOC	Title Groyne at SV 3+530R Scale 1 : 200 Drawing number HKSRS 2026/003/049/1 Drawing date 2026/04/20

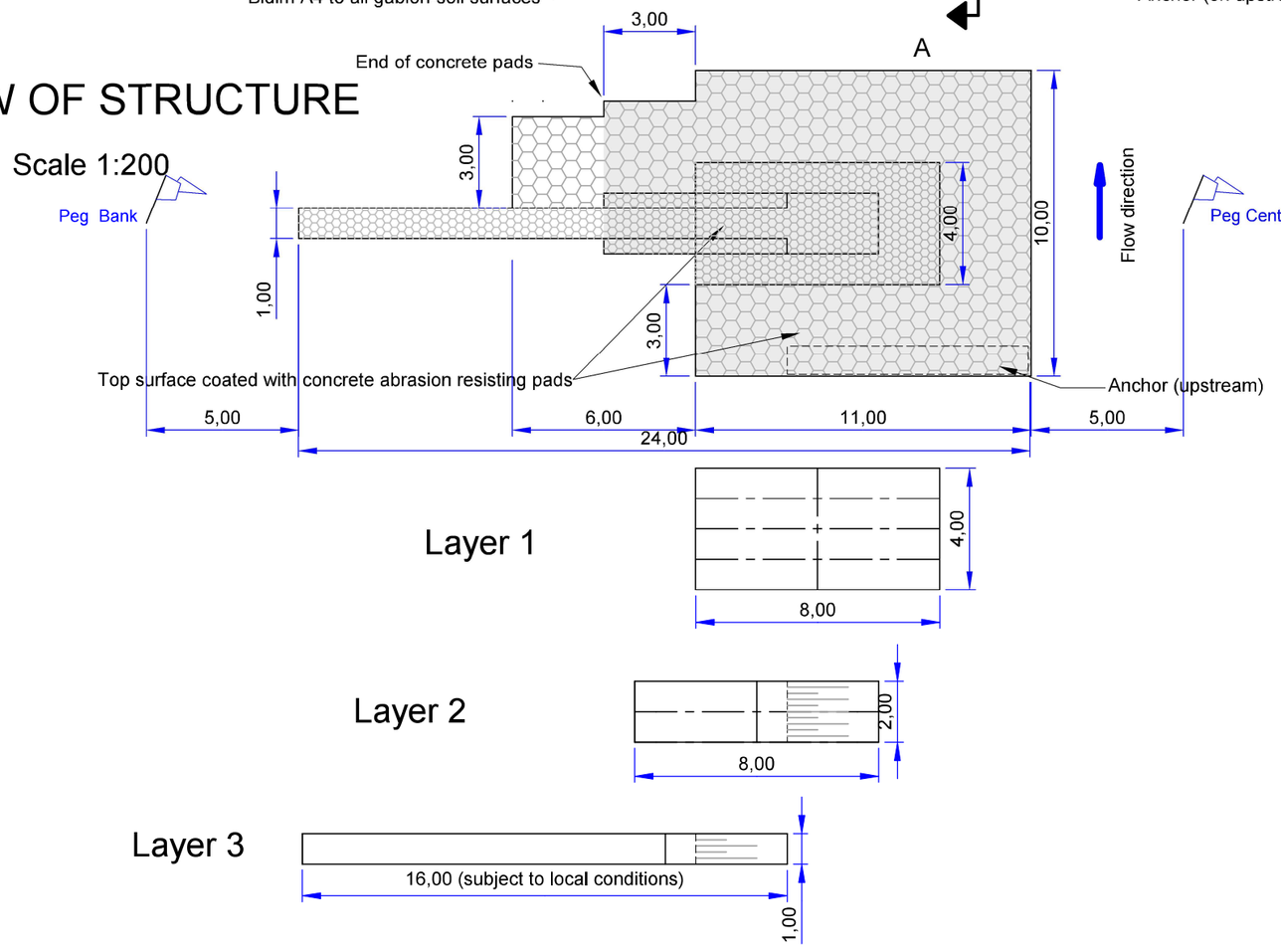
VIEW OF STRUCTURE FROM UPSTREAM

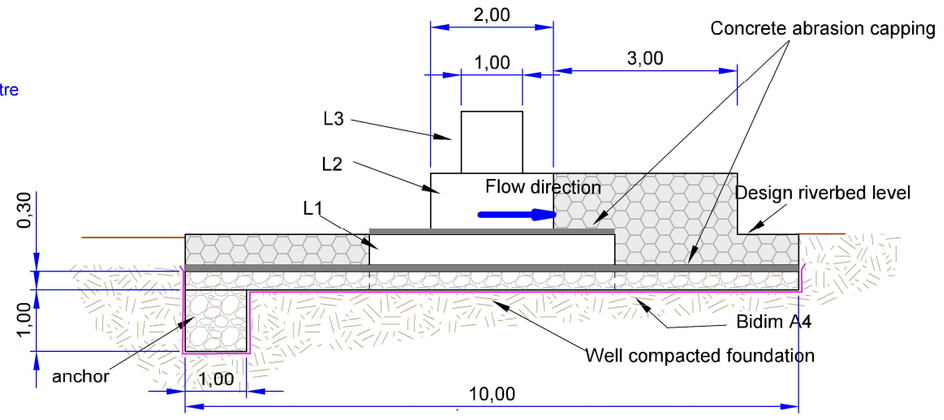
Scale 1:200



PLAN VIEW OF STRUCTURE

Scale 1:200





Section A-A

STANDARD GROYNE DETAIL - PLEASE NOTE

- Where other groyne structures have not been specifically detailed, standard groyne structures are required to combat the erosion of the riverbanks at every 50 m, from the DWAS weir to the N1 bridge (each side of the channel)
- The river between SV 0+000 and SV 3+250 is steep and should be treated as the highest piority
-Additional zones of highest priority are from just before to just after each bend in the river - although the river alignment has been detailed with large radius bends, as this reduces the need for the stabilization of the banks, these areas should be treated as high priority areas.
- The alignment of the groynes must be perpendicular to the centreline of the rehabilitated channel.

PLEASE NOTE
See the Department of Agriculture project specifications regarding

- Foundations well compacted
- Gabion basket material Galfan and PVC coated
- Packing of gabion stone without damaging coating on gabion wires
- Gabion stone to be packed tight and voids between stone minimised
- Lacing of gabions and mattresses to Department of Agriculture specification
- Concrete abrasion pads 30 MPa (minimum)

(A left bank groyne is shown, the right bank groyne is a mirror image)

HansKingSRS (Pty) Ltd
Sustainable River Stabilization

Project :
HEX RIVER STABILIZATION
Worcester East Water Users Association

Western Cape Government FOR YOU

CASIDRA SOC

Title Standard groyne detail
Scale 1 : 200
Drawing number HKSRS 2025/01/ 060/1
Drawing date 2025/03/31