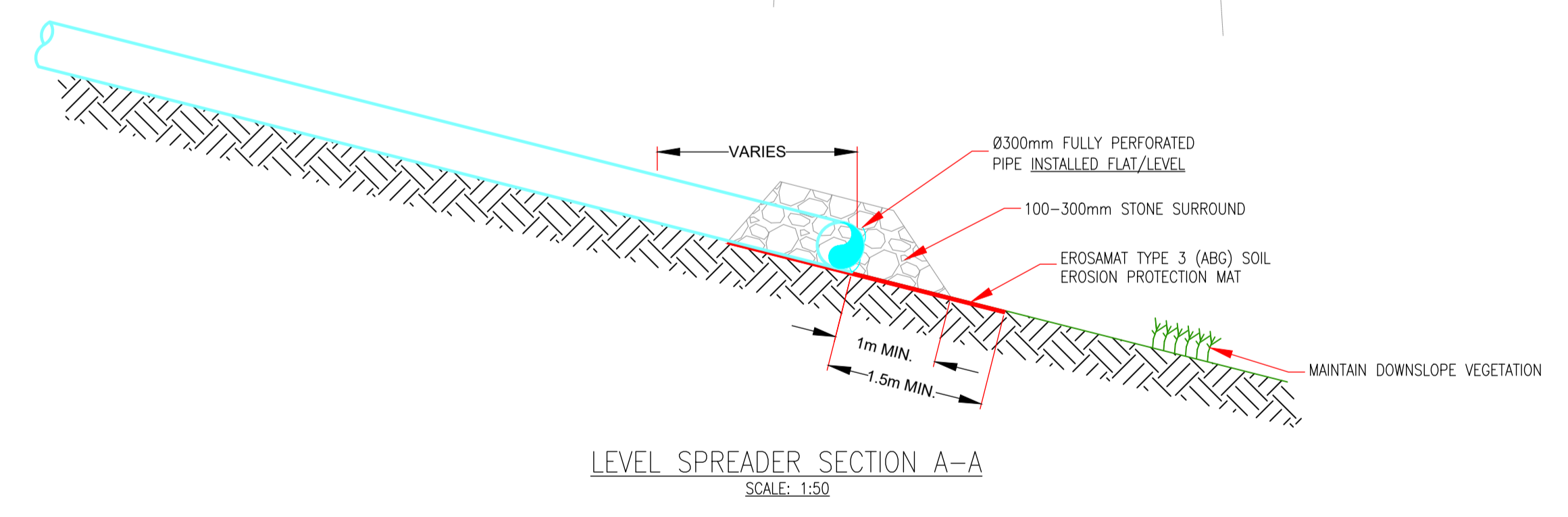


CHECK-DAM SPACINGS (MAXIMUM)	
CHANNEL GRADIENT	SPACING (m)
<1%	80
1-2.5%	40
2.5-5%	20
>5%	10



- TRACK DRAINAGE NOTES
- ROAD CONSTRUCTION TO BE AS PER CIVIL WORKS DESIGN & SPECIFICATION. (BY OTHERS)
 - REFER TO LAYOUT PLAN DRAWINGS FOR DETAILS OF CHECK DAM / CROSS DRAIN / CUTOFF DRAIN / OUTFALL LOCATIONS ETC. MICRO-SITING OF DRAINAGE ELEMENTS TO BE DETERMINED ON SITE IN CONJUNCTION WITH DESIGNER TO SUIT SPECIFIC CONDITIONS ENCOUNTERED.
 - FEATURES SHOWN ARE TO SUIT PERMANENT INFRASTRUCTURE. TEMPORARY SITE DRAINAGE OVER AND ABOVE THAT SHOWN ON DRAWINGS MAY BE REQUIRED TO SUIT TEMPORARY ROAD ALIGNMENTS AND LEVELS.
 - ALL EXCAVATED SLOPES TO BE BATTERED BACK TO A SAFE ANGLE OF REPOSE.

ISSUE	DRN	APP	DATE	NOTES / DESCRIPTION
1	DL	KS	26/03/2026	FOR PLANNING

STATUS: PLANNING

McCloy Consulting

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PROJECT: CARRIGEEN RENEWABLE ENERGY DEVELOPMENT CO. ROSCOMMON

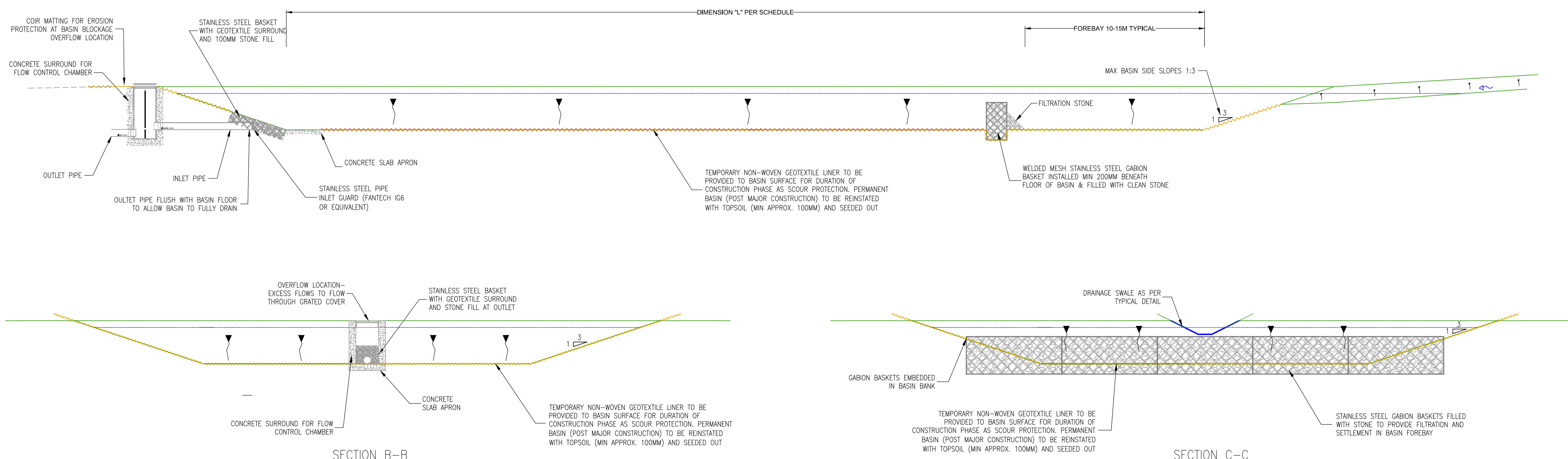
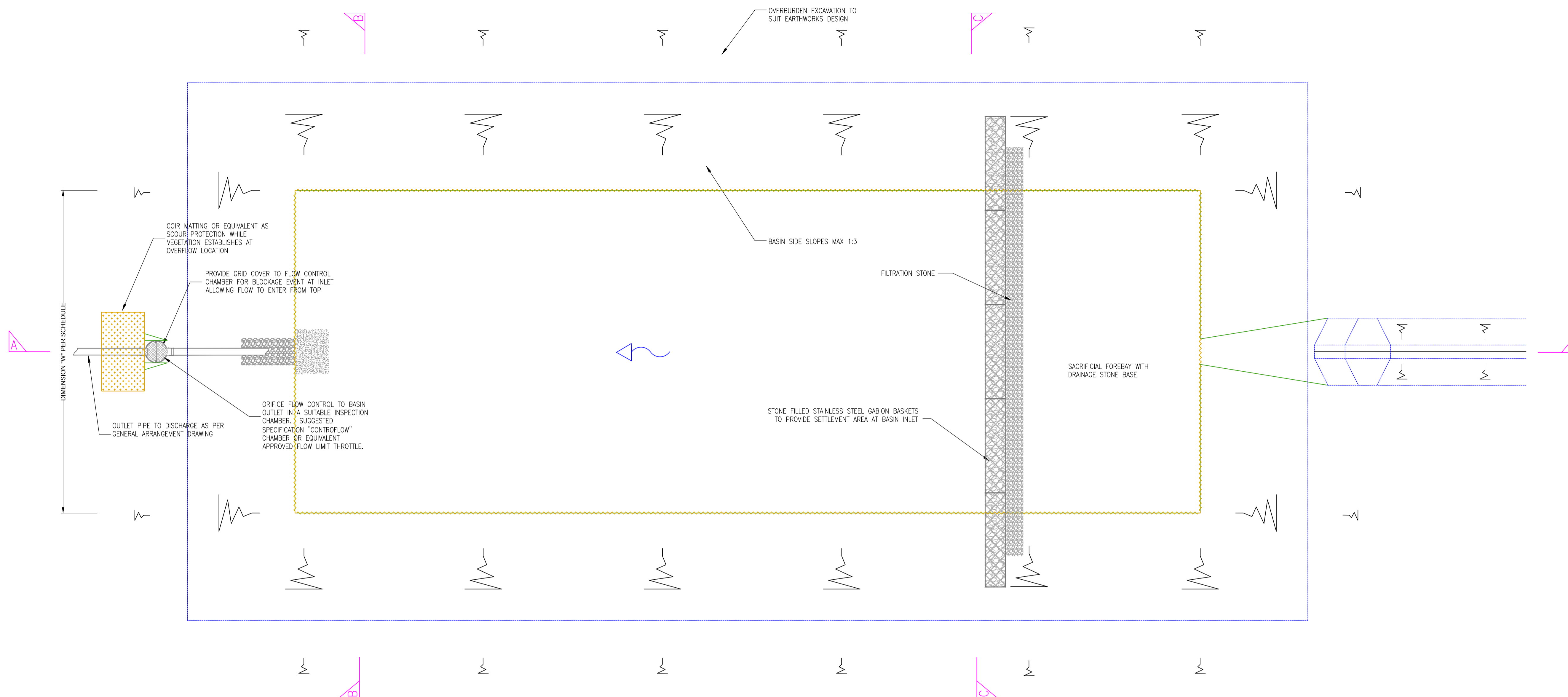
CLIENT: CARRAIGIN POWER LTD

DRAWING TITLE: SURFACE WATER MANAGEMENT TYPICAL DRAINAGE DETAILS LEVEL SPREADER, CHECK DAMS

SCALE: AS SHOWN@A1	ORIGINAL SIZE: A1	
DRAWN: DL	CHECKED: DKS	DATE: 26/03/2026
PROJECT No: M02232-01	DRAWING No: DWG_101	ISSUE No: 1

NOTE: DURING CONSTRUCTION PHASE THE LEVEL OF SUSPENDED SOLIDS IN TRACK RUN-OFF IS LIKELY TO NECESSITATE THE INCREASED FREQUENCY OF TEMPORARY CHECK DAMS FOR INCREASED SETTLEMENT POTENTIAL.

DETENTION BASIN PLAN
SCALE 1:50



- TRACK DRAINAGE NOTES
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1	DL	KS	26/03/2026	FOR PLANNING
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ISSUE	DRN	APP	DATE	NOTES / DESCRIPTION
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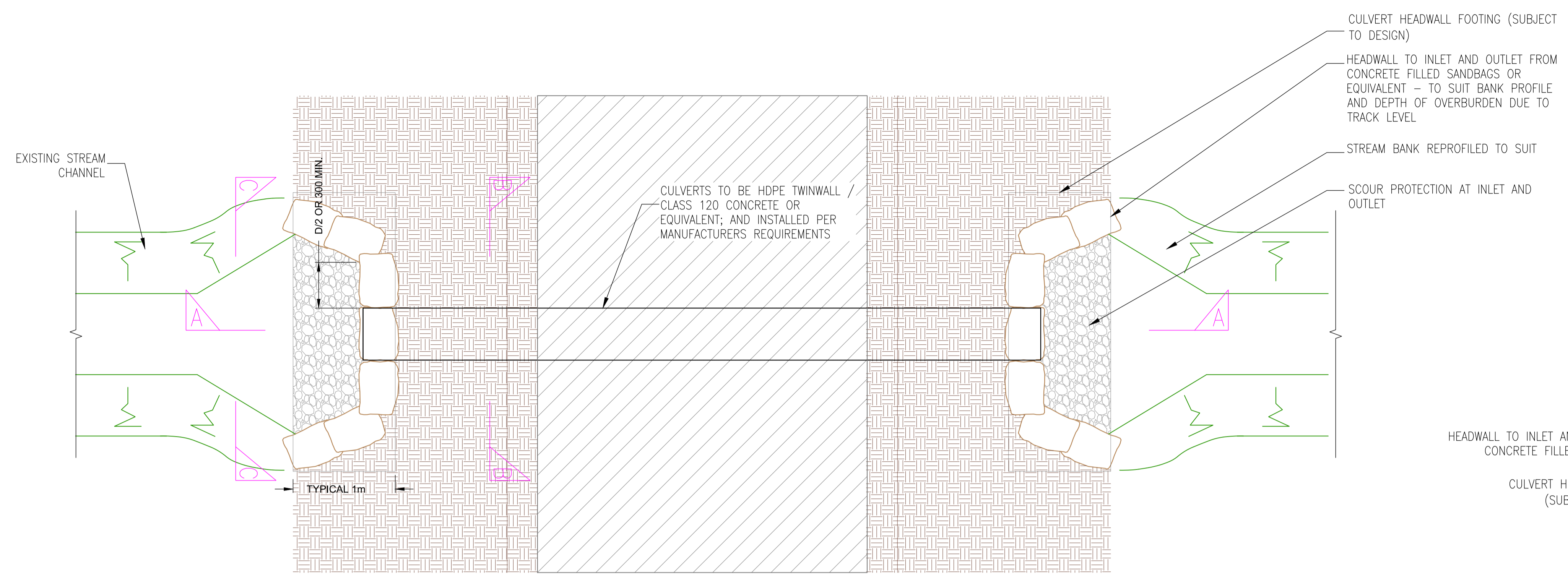
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PROJECT: CARRIGEEN RENEWABLE ENERGY DEVELOPMENT CO. ROSCOMMON

CLIENT: CARRIGIN POWER LTD

DRAWING TITLE: SURFACE WATER MANAGEMENT ATTENUATION BASIN DETAILS

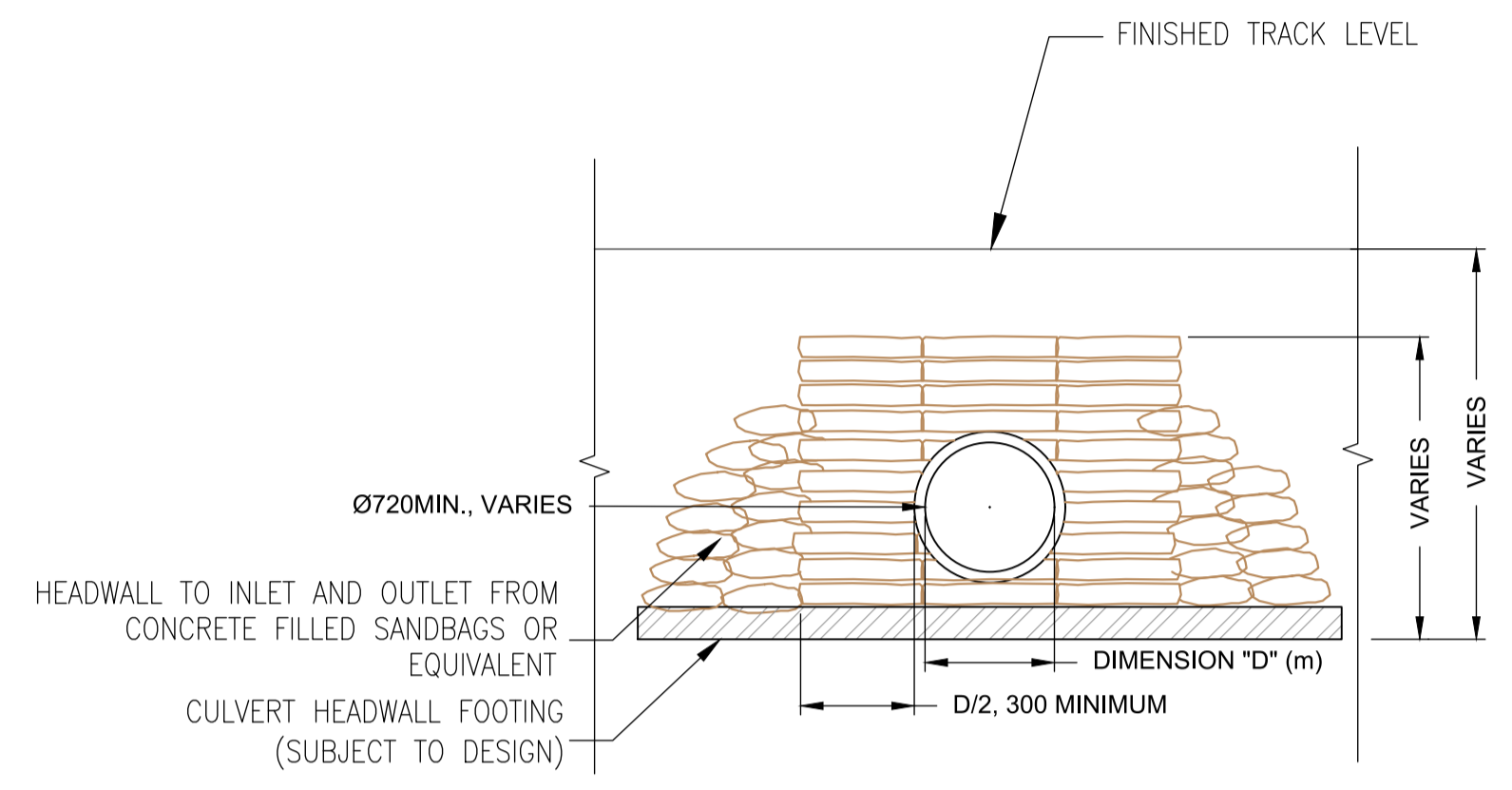
SCALE: AS SHOWN@A1	ORIGINAL SIZE: A1
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DATE: 26/03/2026	
PROJECT No.: M02232-01	DRAWING No.: DWG_102
ISSUE No.: 1	



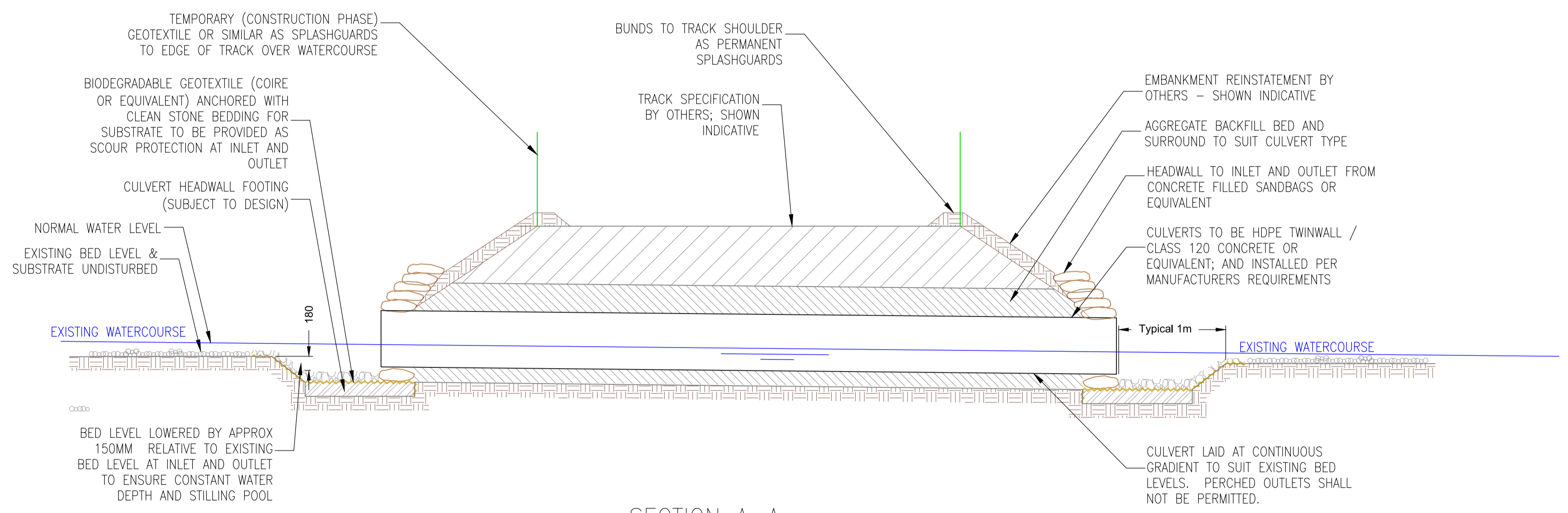
PLAN
SCALE 1:40

CULVERT WATERCOURSE CROSSING
SCALE AS SHOWN

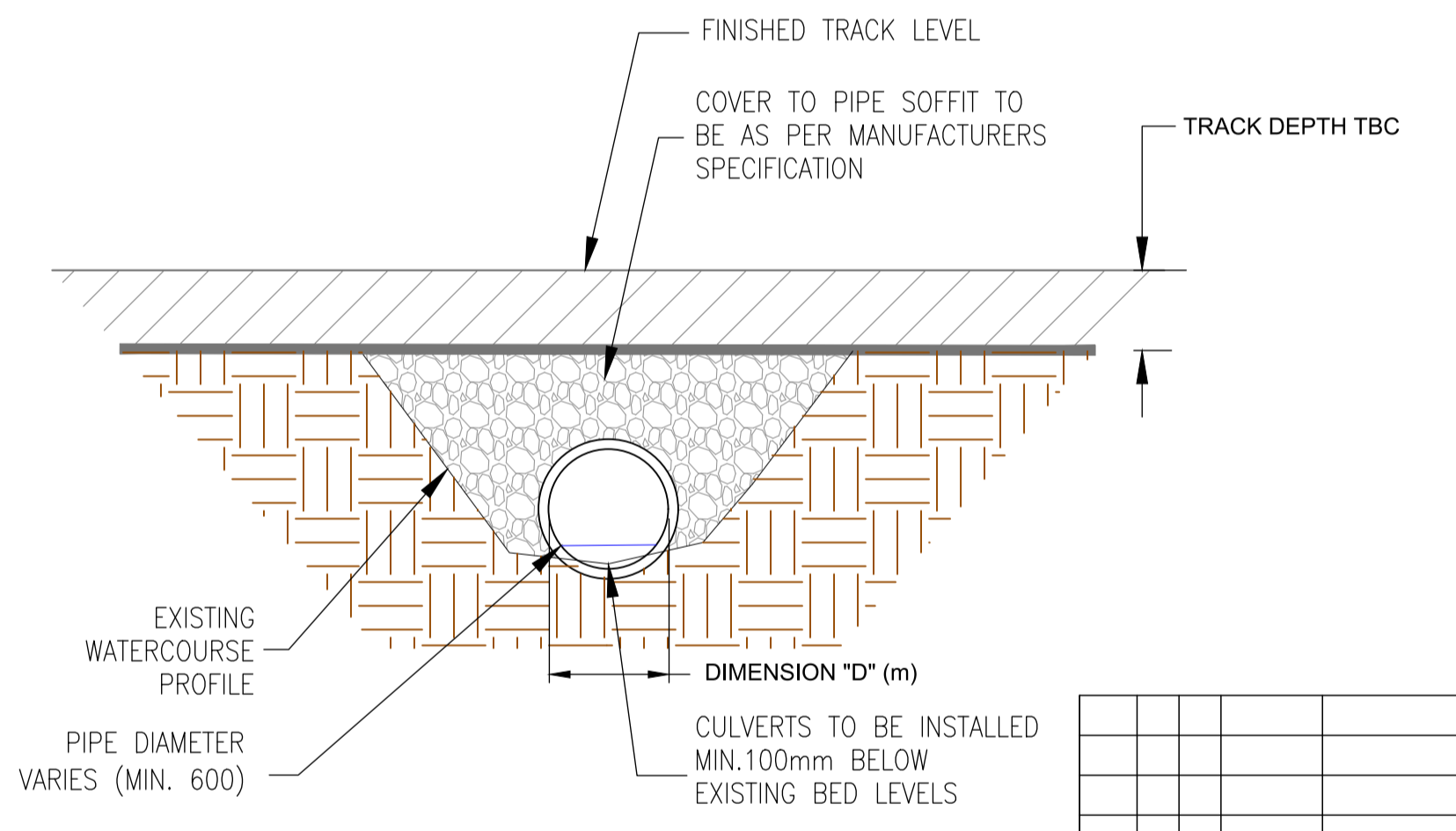
- NOTES FOR CONSTRUCTION METHODS & ENVIRONMENTAL PROTECTION**
- WORKS TO BE PROGRAMMED TO SUIT PERIODS OF LOW RIVER FLOW AND RAINFALL. DUE COGNISANCE GIVEN TO THE PREVAILING GROUND CONDITIONS AND SEASONAL WEATHER CONDITIONS.
 - CULVERT LOCATION TO BE DAMMED UPSTREAM BY USE OF SANDBAGS OR EQUIVALENT AND OVERPUMPED IN ORDER TO PROVIDE A DRY WORKING ENVIRONMENT.
 - IN CHANNEL SILT FENCING TO BE INSTALLED DOWNSTREAM OF THE WORKS AND DOWNSTREAM OF OVERPUMPING FOR THE DURATION OF THE CULVERT INSTALLATION WORKS.



ELEVATION C-C (WITH HEADWALL)
1:40



SECTION A-A
SCALE 1:40



SECTION B-B
SCALE 1:40

1	DL	KS	26/03/2026	FOR PLANNING
STATUS				

PLANNING				
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PROJECT
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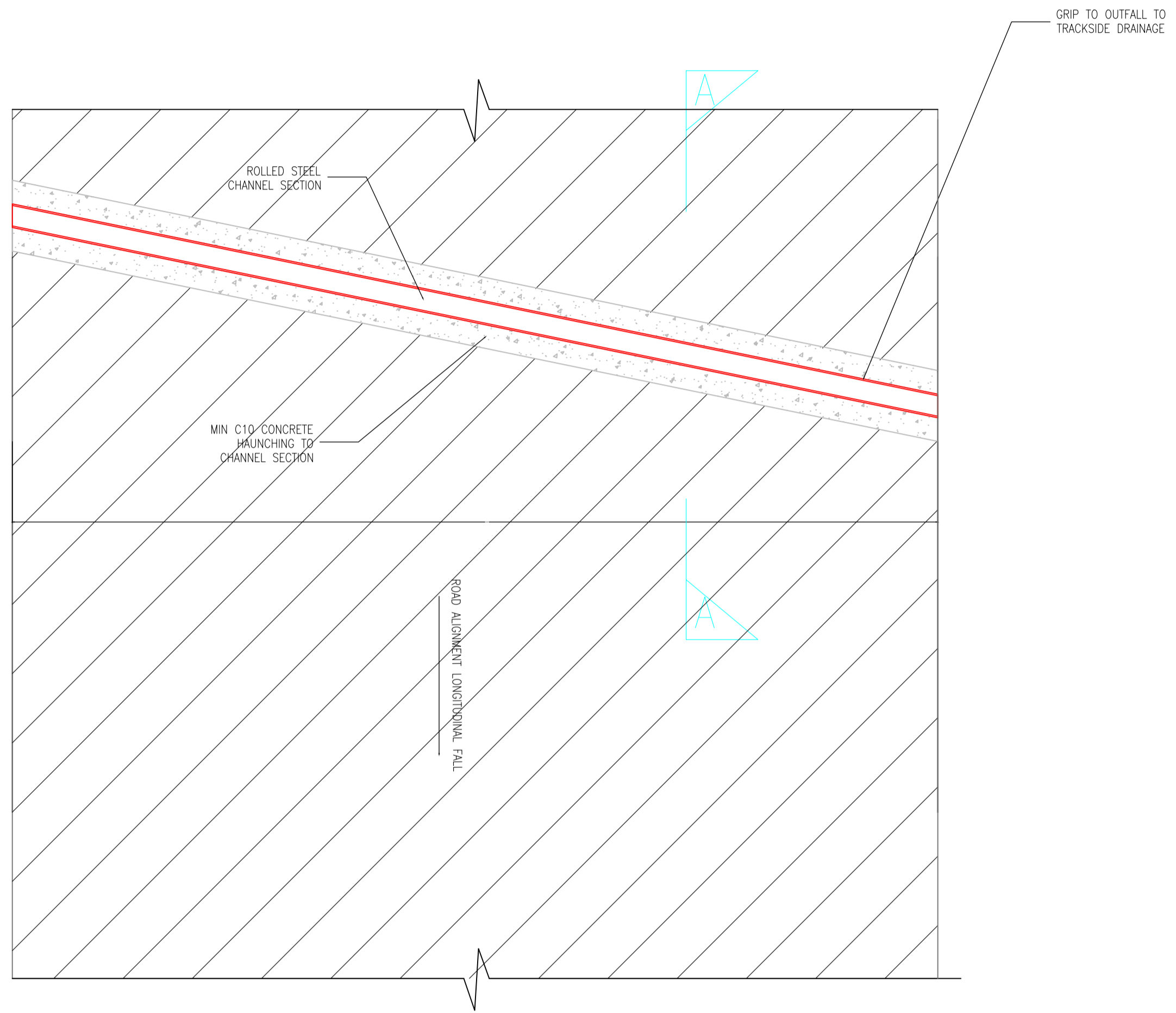
CLIENT
CARRAIGIN POWER LTD

DRAWING TITLE
PIPED CULVERT DETAIL

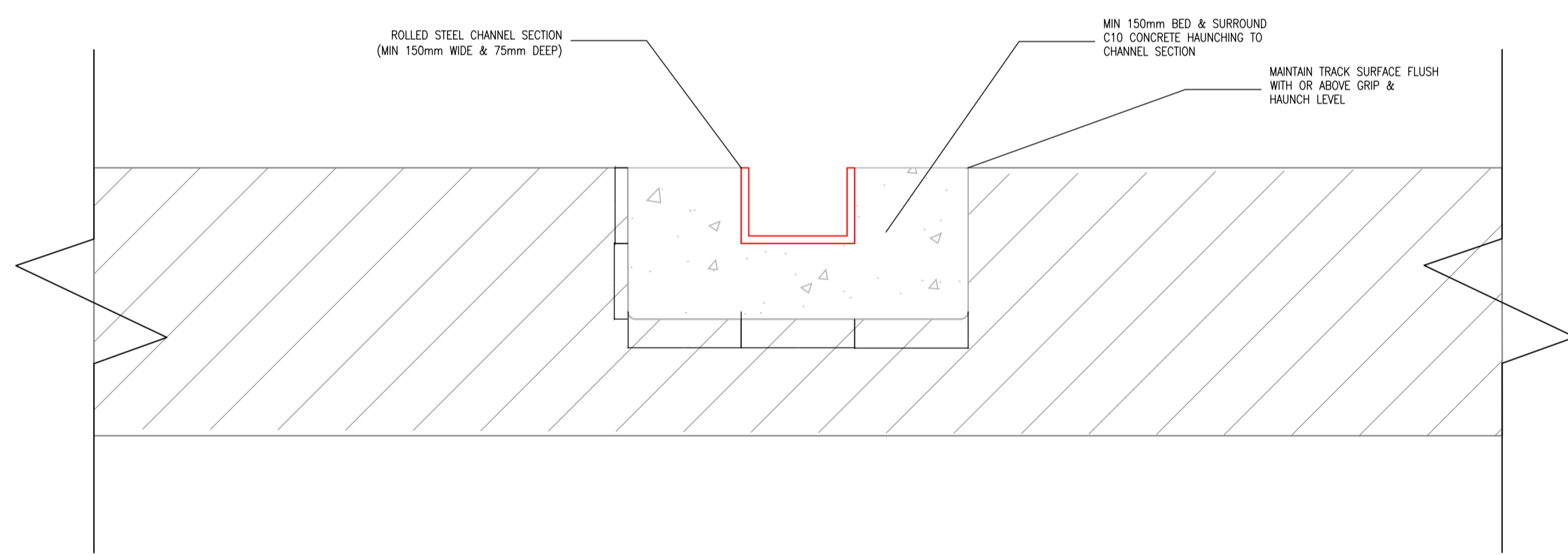
SCALE
AS SHOWN@A1 ORIGINAL SIZE A1

DRAWN DL CHECKED DKS DATE 26/03/2026

PROJECT No. M02232-01 DRAWING No. DWG_103 ISSUE No. 1



ROAD GRIP - PLAN
SCALE 1:25



ROAD GRIP - SECTION A-A
SCALE 1:25



EXAMPLE OF ROAD GRIP INSTALLATION
NTS

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PROJECT: CARRIGEEN RENEWABLE ENERGY DEVELOPMENT CO. ROSCOMMON

CLIENT: CARRAIGIN POWER LTD

DRAWING TITLE: DRAINAGE GRIP DETAIL

SCALE: AS SHOWN@A1	ORIGINAL SIZE: A1
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DRAWN: DL	CHECKED: DKS	DATE: 26/03/2026
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PROJECT No: M02232-01	DRAWING No: DWG_104	ISSUE No: 1
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