



TYPICAL TRACK LAYOUT AT RIVER CROSSINGS. SCALE 1:250

M.V. CABLE DUCTS AT RIVER CROSSINGS

OPTION 1:	
M.V. CABLE DUCTS CAN BE RIVER CULVERTS AT ANY T	DIRECT BURIED IN THE VERG IME OF THE YEAR.
OPTION 2:	

M.V. CABLE DUCTS CAN BE DIRECT BURIED UNDER RIVERS / STREAMS IN THE MONTHS MAY TO SEPTEMBER IN ACCORDANCE WITH INLAND FISHERIES REQUIREMENTS.

NOTES APPLICABLE TO ALL WORKS

- ALL STREAM WORKS TO BE CARRIED OUT BY SUITABLY TRAINED AND BRIEFED PERSONNEL IN PERIOD OF DRY WEATHER.
- NO PLANT REFUELLING TO TAKE PLACE IN THE VICINITY OF ANY STREAM OR CROSSING
- POINT NO PLANT, MACHINERY OR OPERATIVES TO ENTER THE STREAMS UNLESS ABSOLUTELY
- NECESSARY AND SAFE TO DO SO. DOWNSTREAM SEDIMENT CONTROL MEASURES SUCH AS SEDIMATS WILL BE INSTALLED AT
- EACH LOCATION PRIOR TO ANY WORKS TAKING PLACE. IN THE EVENT THAT FISH ARE ENCOUNTERED DURING THE CONSTRUCTION WORKS A DEEP POOL IS TO BE CREATED UPSTREAM. THE FISH THAT GATHER IN THIS POOL WILL BE

BACK INTO THE STREAM.

BOX CULVERTS CONSTRUCTION METHODOLOGY

THE EXISTING STREAM WILL BE DAMMED UPSTREAM LOCATION AND PUMPS USED TO PUMP THE STREAM PUMP WILL BE PLACED ON A DRIP TRAY TO ENSURE ENTER THE STREAM.
ONCE THE STREAM HAS BEEN TEMPORARILY DIVER PREPARED TO RECEIVE THE PRECAST BOX CULVER LIFTED INTO PLACE USING CERTIFIED LIFTING EQUIP
THE BOX CULVERT WILL BE INSTALLED BELOW THE THE ORIGINAL STREAM GRAVEL RE-USED AND PLAC NEW CHANNEL WITHIN THE BOX CULVERT.
HANDRAILS WILL BE ERECTED ON BOTH HEADWALL WORKERS.
FOLLOWING THE COMPLETION OF ALL WORKS THE S STREAM ALLOWED TO CONTINUE ALONG THE ORIGIN

- CULVERT. • CULVERTS TO BE EMBEDDED A MINIMUM OF 500mm BELOW BED LEVEL.
- CULVERTS TO MATCH EXISTING GROUND LEVEL GRADIENT WHERE POSSIBLE.
- DROP OFF FROM OUTLET TO BE KEPT TO A MINIMUM.

	CONCRETE SPECIFIC
	BLINDING, MA CONCRETE
EXPOSURE CLASS	X0
MIN. CEMENT	-
MAX. WATER / CEMENT RATIO	0.65
CHLORIDE CONTENT CLASS	CL. 1.0
MAX. AGGREGATE (mm)	10
MIN. COVER (mm)	-
COMPRESSIVE STRENGTH	C16/20

NOTES:

- 1. CROSSING TYPE 1: SPAN STRUCTURE OR FAUNA PASSABLE CULVERT.
- 2. CROSSING TYPE 2: SPAN STRUCTURE WHICH DOES NOT INTERFERE WITH THE BED OR IMMEDIATE BANK OF THE RIVER / STREAM.
- 3. DIMENSIONS ARE MILLIMETRES UNLESS NOTED OTHERWISE.



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COLLECTED AND MOVED DOWNSTREAM OF THE WORKS WHERE THEY WILL BE RELEASED

AM & DOWNSTREAM OF THE CULVERT I FROM ONE SIDE TO THE OTHER. THE E NO LEAKAGE FROM THE PUMP CAN

TED THE FORMATION LEVEL WILL BE RTS AND HEADWALLS. THESE WILL BE PMENT.

FINISHED INVERT OF THE STREAM WITH ACED IN THE BOX CULVERT TO CREATE A

LS TO PROTECT PEDESTRIANS AND

SANDBAGS WILL BE REMOVED AND THE INAL ROUTE THROUGH THE NEW

ATION		
SS	EXTERNAL SLABS & CULVERTS	
	XC4	
	280 kg/m³	
	0.6	
	CL. 0.2	
	20	
	40	
	C30/37	
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NO EXCAVATION SHALL COMMENCE UNTIL THE CONTRACTOR HAS CONSULTED UP-TO-DATE SERVICE DRAW