

TOP OF EXISTING RIVER BANK

PRECAST CONC.

PIPE GROUTED INTO

CLASS 1- SPECIFICATION

PRECAST

HEADWALL

EXTENT OF SAND BAGS PLACED TO

DAMMED UPSTREAM WITH

WATERCOURSE REDIRECT ED DOWNSTREAM VI FILTER MEDIUM DURING INSTALLATION OF HAUL ROAD

AND DUCTING FOR 220KV CABLES

MATCH EXISTING PROFILE AND TO BE

PERMANENT WATERCOURSE CROSSING DETAILS

PLAN VIEW

SECTION B-B

PERMANENT CULVERT (PC) TO EXTEND TO SAFE WORKING LOAD DISTANÇE BEYOND HAUL / ACCESS\ROAD

TEMPORARY HAUL ROAD/ ACCESS ROAD -

CHAINAGE 900. (WC2)

EXISTING RIVERBED TO BE

BIODEGRADABLE GEOTEXTILE

WATERCOURSE PROFILE EDGE

PROTECTED WITH

SURFACE - 50MM DEPTH BLINDING

SUB BASE - 100mm DEPTH TYPE 804

EXISTING RIVERBED TO BE PROTECTED WITH BIODEGRADABLE GEOTEXTILE

CAPPING - 200m DEPTH 6F2

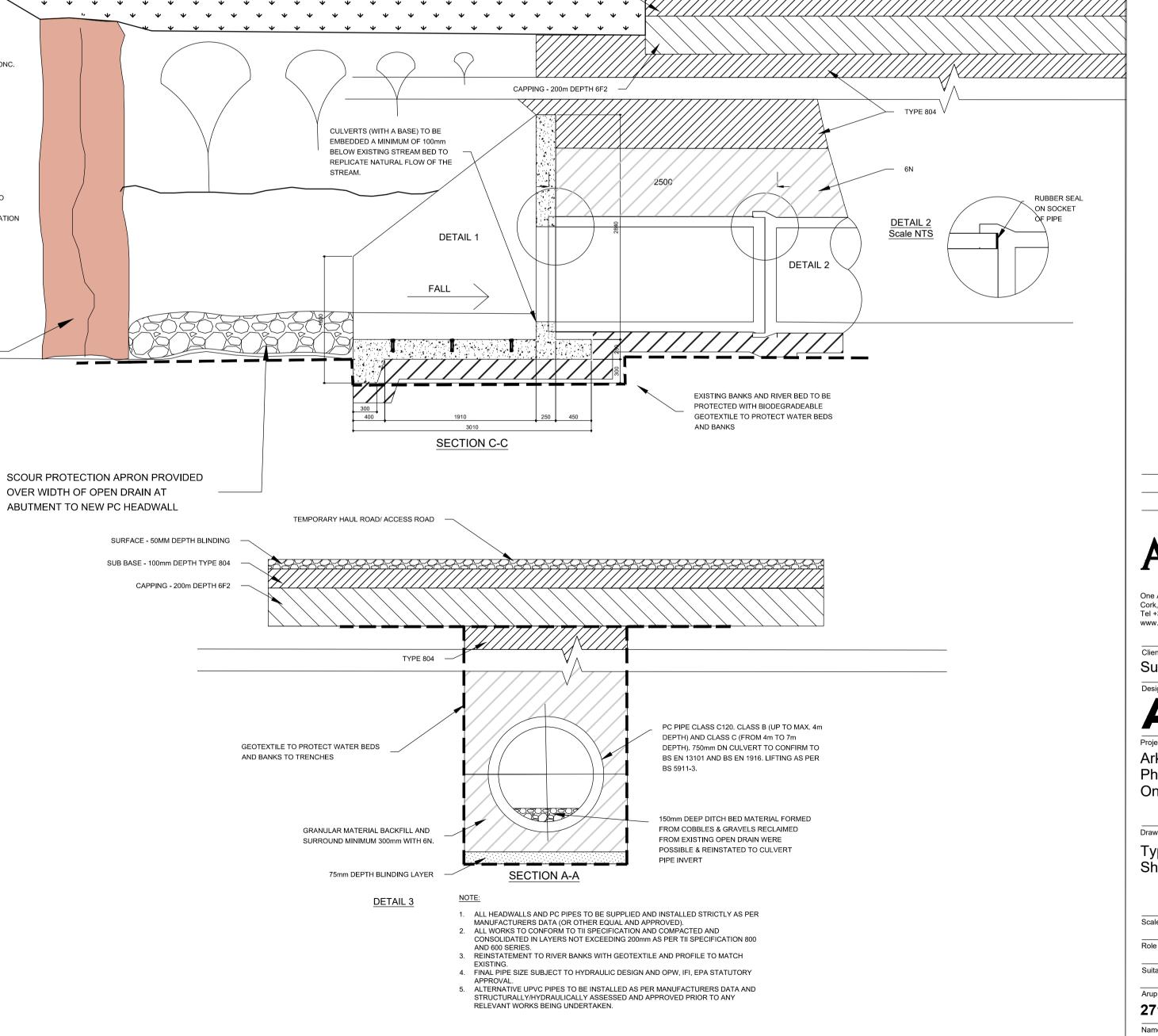
Ref	Watercourse title	СН	Approx. Invert depth	PC CULVERT/ STEEL /UPVC FLUME BOTTOMLESS CULVERT Y/N	Approx. Culvert Pipe Dia.
OD1A	Open ditch	-435	1.9	Υ	2m
WC 1	JOHNSTOWN NORTH	570	2.968	Υ	2m
WC 2	JOHNSTOWN SOUTH	900	3.88	Υ	900mm
OD1	Open ditch	1430	2.156	Υ	2m
WC3	TIKNOCK	1500	2.071	Υ	2m
WC 4	COOLBOY	1940	3.068	N	N/A
WC 5	TEMPLERAINY	2700	2.771	N	N/A
WC 6	KILBRIDE	3830	4.189	Υ	3m
WC 7	SHEEPWALK	4650/4460	1.610/ 1.610	N	N/A
WC8	SHEEPWALK	4850	N/K	N	N/A
WC 9	Culvert at new Substation	5470	N/K	N	N/A

REINSTATEMENT min 200mm TREATED

AND SEEDED TOPSOIL

- Culvert / Bottomless Flume Pipe/Culvert sizes indicative and subject to structural / hydraulic design in relation to flow capacity of watercourse.
- 2. Inverts Depths and methods of works subject to trial pit & geotechnical
- 3. Silt Management plan to be provided for all crossings in advance of any
- 4. All works subject to permits and licences being approved by EPA, IFI,
- 5. All crossing points to facilitate for 2 number permanent 220 kv HV cable trenches (3nr 250mm OD dia) with earth bond + telecommunication cable (2nr 125mm OD dia.) Each trench with= 1.825m wide for flat formation and 800mm wide for trefoil formation).
- 6. All electrical works as per Electrical Engineers design.

TEMPORARY HAUL ROAD/ ACCESS ROAD



SURFACE - 50MM DEPTH BLINDING

PL1 | 22.03.21 | SB | SO'S | MW Chkd

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Typical Watercourse Crossing Details Sheet 1 of 2

Scale at A1 Plan NTS, Sections 1:25 Suitability Planning Arup Job No PL1 271715-00 ONS-GEN-003