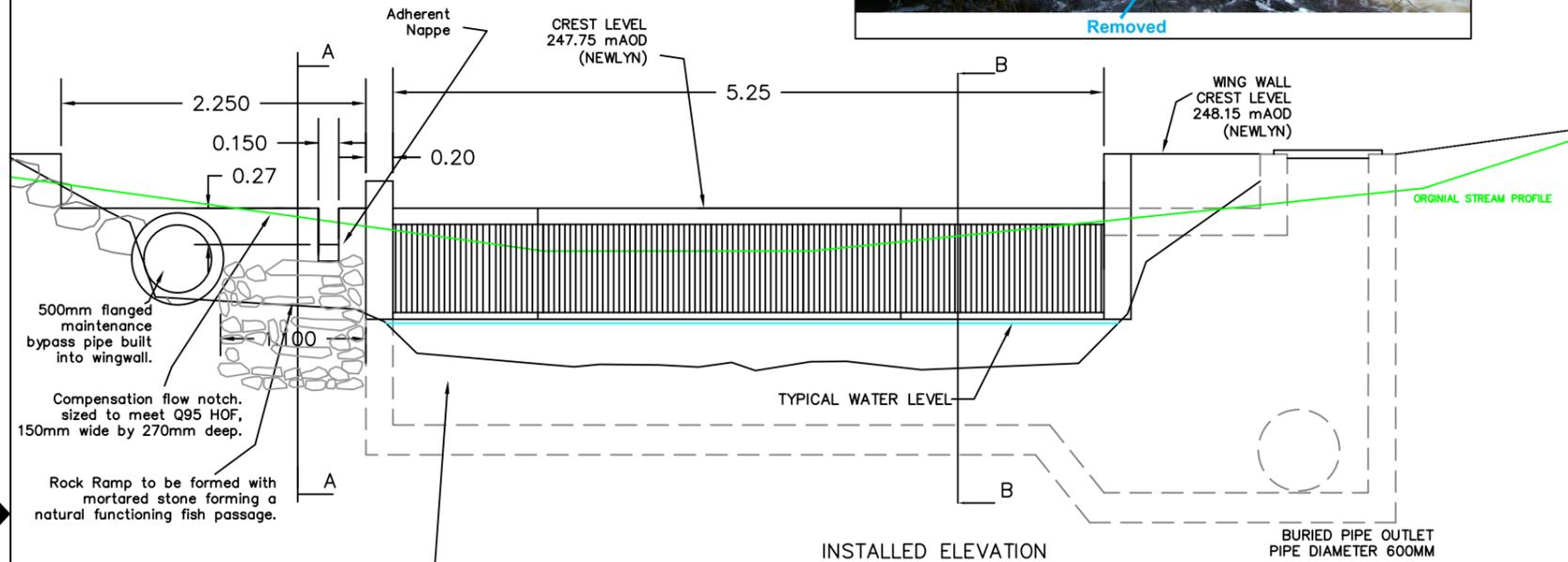
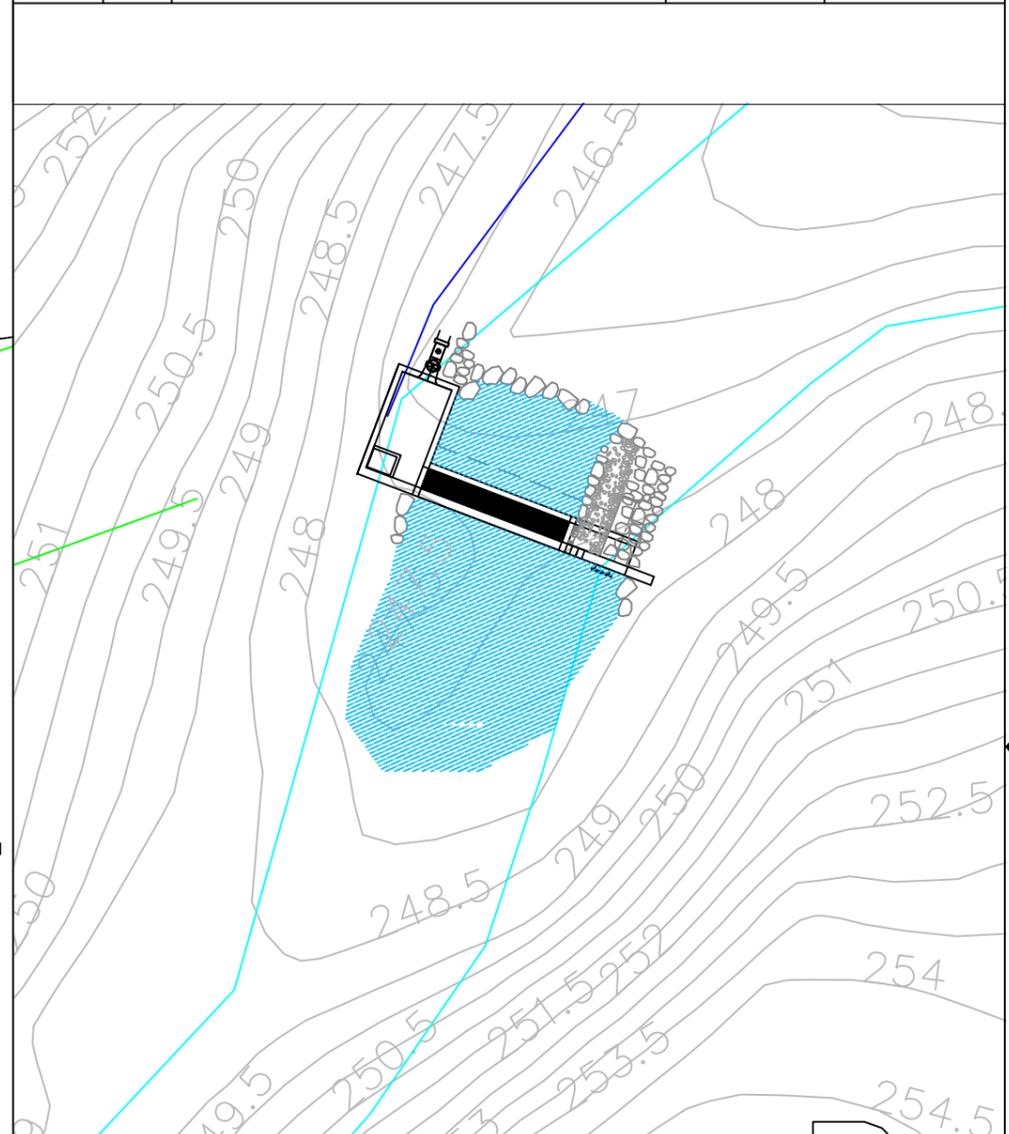


COANDA SCREEN
 3 x TYPE D-1500 and 1 x TYPE D-750
 ALL FROM 304 STAINLESS STEEL
 1MM APERTURE

CONSTRUCTION NOTES
 The weir will be constructed by creating the concrete sump structure and bolting on the prefabricated screen. Existing boulders that form the existing cascade are to be retained, as per adjacent image, to ensure that post intake life upstream bed erosion does not occur (NRW requirement with upstream bridge culvert in mind)



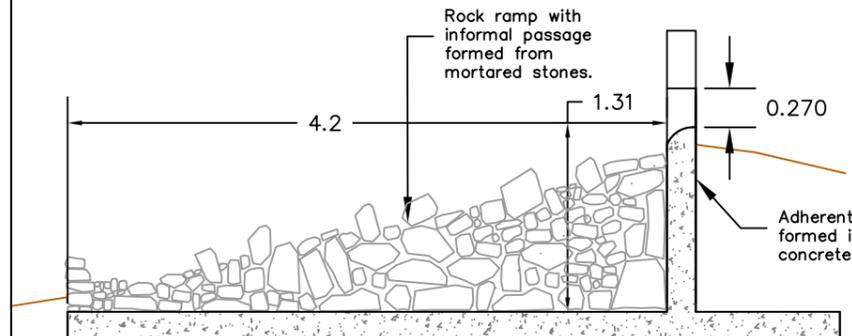
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



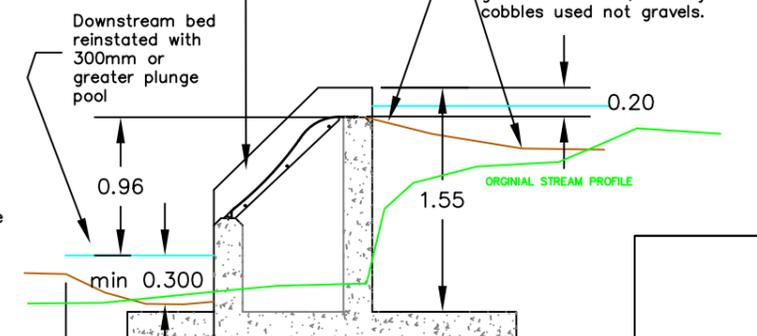
Plan View

500mm flanged maintenance bypass pipe built into wingwall.
 Compensation flow notch, sized to meet Q95 HOF, 150mm wide by 270mm deep.
 Rock Ramp to be formed with mortared stone forming a natural functioning fish passage.

THE DOWNSTREAM FACE OF THE WEIR IS TO BE STONE FACED AS SHOWN WITH APPROPRIATE SLOPE.
 FROM APPROPRIATE BOULDER PLACEMENT IT IS TO BE ENSURED THAT COMPENSATION FLOW AND FLOW OVER THE COANDA CREST FLOWS DOWN INTO PLUNGE POOL DOWNSTREAM OF WEIR (MIN DEPTH 300MM).
 Weir backfilled with original bed material. To level within 200mm below weir crest 1m upstream of weir crest and level with weir crest at weir crest.
 Bed material used for backfill is to be selected with no cobbles material than the D50 grain size 80mm, so only the cobbles used not gravels.



Elevation/Section A-A



Elevation/Section B-B

DRAWING TITLE		INTAKE		
PROJECT		GALEDFFRWD HYDRO SCHEME		
DIMENSIONS IN M	© 2011	SIZE	FSCM NO.	DWG NO.
PRELIMINARY DRAWING FOR CONSENTING PURPOSES - NOT FOR CONSTRUCTION		A3		GLFH-DWG-Intake-H-311018-DM
SCALE	1:50	DATE	31/10/2018	SHEET 1 OF 1
				REV H