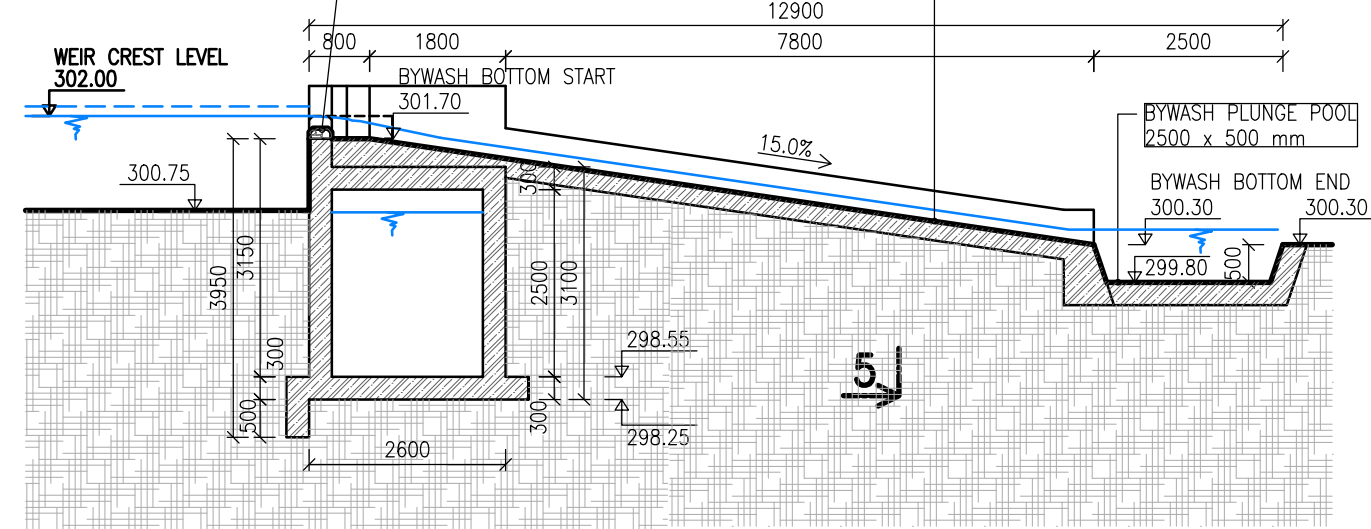
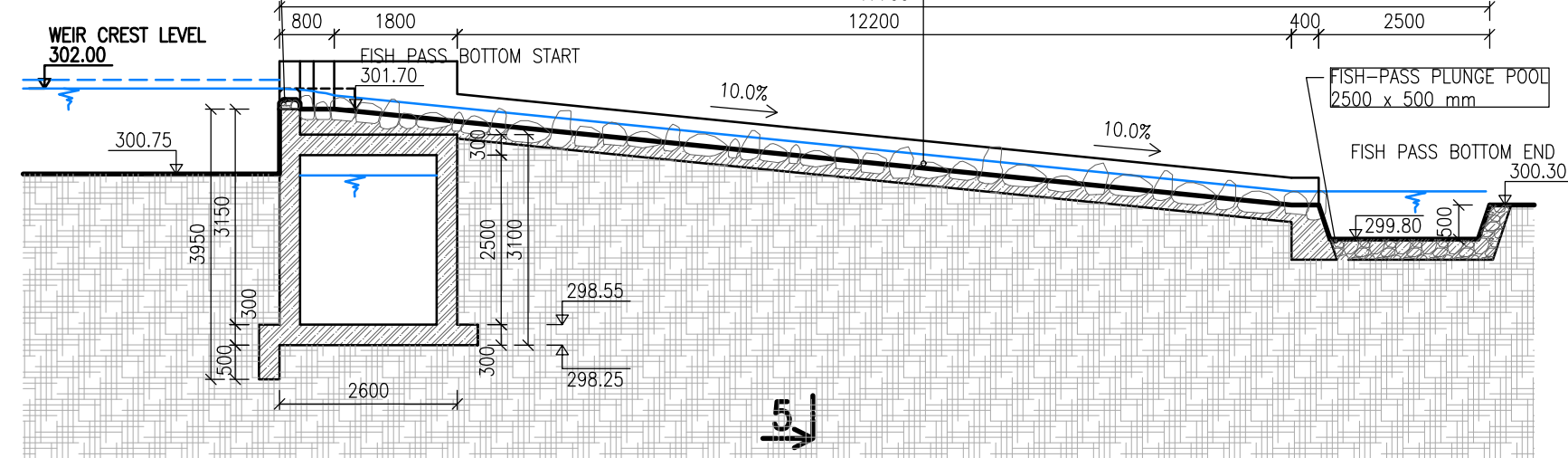


BYWASH
FROM SIDE NOTCH
220x110 mm, CHAMFER 50x50 mm
& PRECISE STONE MASONRY



SECTION 4-4
FISH PASS

FISH-PASS ACCESS NOTCH 320x160 mm, CHAMFER 50x50 mm & PRECISE STONE MASONRY



The diagram illustrates a cross-section of a weir structure. Key features and dimensions include:

- Top Dimensions:** A horizontal scale at the top shows distances from left to right: 390, 350, 220, 230, 350, 500, 350, and 300. Above these are markers for 1190, 1500, and 1800.
- Structural Components:**
 - PLUNGE POOL:** Located at both the left and right ends of the structure.
 - BYWASH:** A vertical dashed line indicates the location of the bywash structure.
 - EXISTING ROCKY ISLAND:** A central feature of the weir.
 - FISH PASS:** A vertical dashed line indicates the location of the fish pass.
 - BRICKED BANK OF PLUNGE POOL:** Located on the right side, with a note: "STONE TO CONCRETE OR CEMENT MORTAR".
- Dimensions and Elevation:**
 - 300.68:** Elevation of the bywash structure.
 - 301.40:** Elevation of the top of the bricked bank on the right.
 - 301.00:** Elevation of the fish pass structure.
 - 300.17:** Elevation of the bottom of the bricked bank on the right.
 - 12.35:** Vertical height of the bricked bank on the right.
- Notes:**
 - BYWASH BOTTOM SMOOTH, FRY CONCRETE:** Note pointing to the bywash structure.
 - BANK OF ROCKY RAMP CONCRETE OR CEMENT:** Note pointing to the rocky ramp on the left.
 - FISH-PASS FORMED BY ROCKS, ROCKS FIRMD BY CONCRETE OR CEMENT MORTAR, PART OF REINSTATEMENT WORKS:** Note pointing to the fish pass structure.

MECHANICAL EQUIPMENT

1.1	PRIMING PUMP
1.2	PRIMING PIPE PIPING
1.3	MAIN INLET VALVE
1.4	HYDRAULIC AGGREGATE
1.5	INTAKE STOP LOG GATE 3000 x 2000 mm
1.6	FLUSHING GATE
1.7	COANDA SCREEN 2 mm SCREEN APERTURE
1.8.1.	NOTCH FOR ROCKY RAMP, MINOR NOTCH
1.8.2.	NOTCH FOR FISH PASS, MAIN NOTCH

2.1	MANHOLE COVER 800 x 800 mm
2.2	MANHOLE COVER 1500 x 1500 mm
2.3	FLUSHING GATE 600 x 600 mm
2.4	REMOVABLE AUXILIARY SHAFT COVER WITH MANHOLE ACCESS
2.5	ACTIVE VENTILATION

	REINFORCED CONCRETE
	STONE RIP-RAP
	EXISTING GROUND
	BACKFILL MATERIAL
	CIVIL STRUCTURE
	MECHANICAL EQUIPMENT
	CIVIL EQUIPMENT
	WATER LEVEL
	EXISTING TERRAIN

! ALL EDGES ON THE NOTCH OF THE BYWASH AND FISHPASS !
(VERTICAL & HORIZONTAL) ARE CHAMFERED. !

REVISION	MODIFICATION DESCRIPTION
A	MAINTENANCE STEP, ROCKY RAMPS FOR FISH PASSAGE
B	FISH PASS CONSTRUCTION
C	FISH PASS & ROCKY RAMP CORRECTION
D	ROCKY RAMP VARIATION TO BYWASH

DRAWN BY	T. GOMBOŠ	PROJECT MANAGER		 HYDROPOL	
CHECKED BY	M. ŠTRONER				
APPROVED BY	M. ŠTRONER	SITE	CLAERWEN		
CLIENT ...		COUNTRY	UK, WALES		
		ALTITUDE SYSTEM			
PROJECT				HYDROPOL Project & Management a.s. Všehrdova 560/2, 118 00 PRAHA CZECH REPUBLIC www.hydropol.cz	
SHPH CLAERWEN					
PART	CONCEPTUAL DESIGN – DRAFT			DATE	07/2018
DRAWING NAME	INTAKE – FISH PASS			SHEETS	8x44
				SCALE	1:100, 1:20
				ARCHIVE No.	2140016D