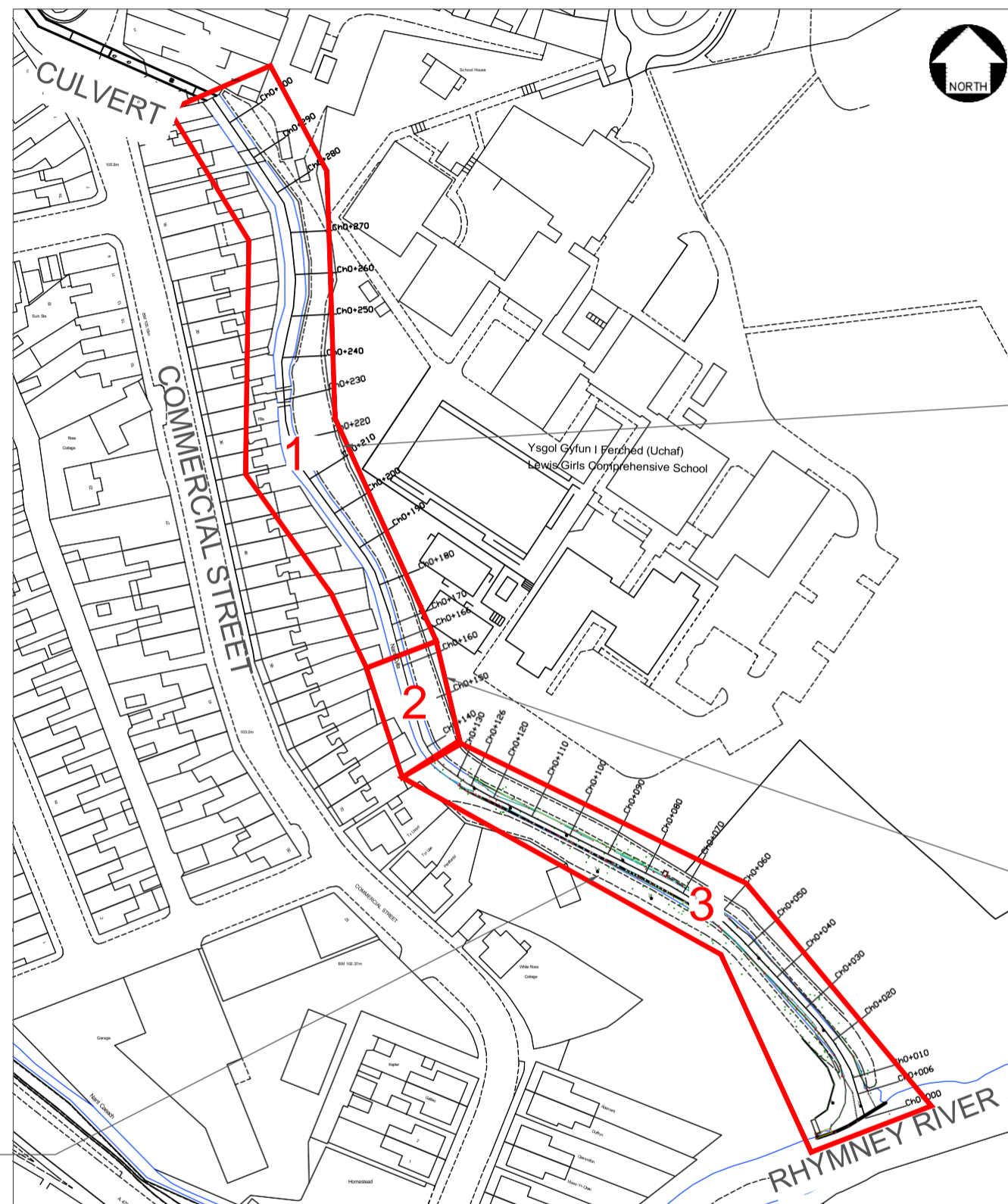


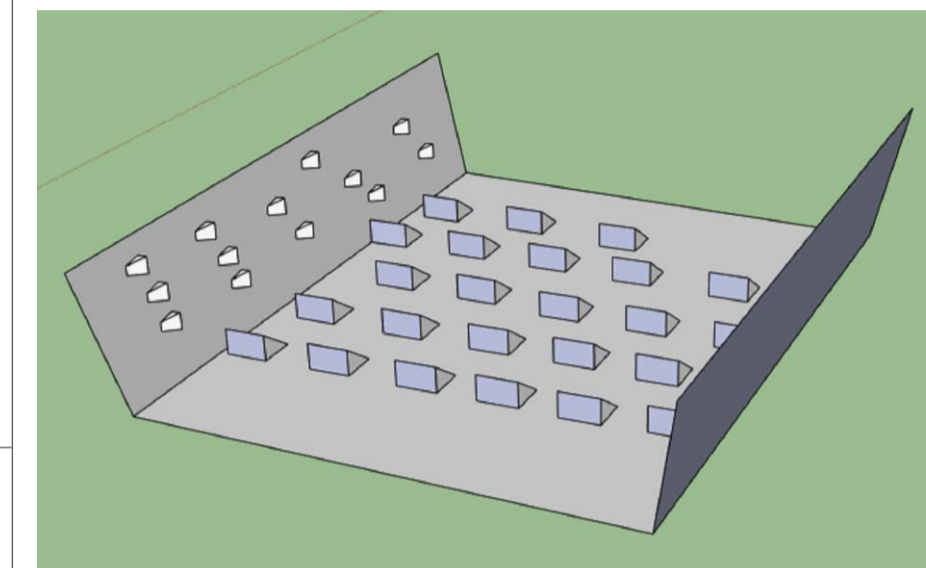


LOCATION PLAN  
NOT TO SCALE

NANT CYLLA- AREA AFFECTED BY SCOUR

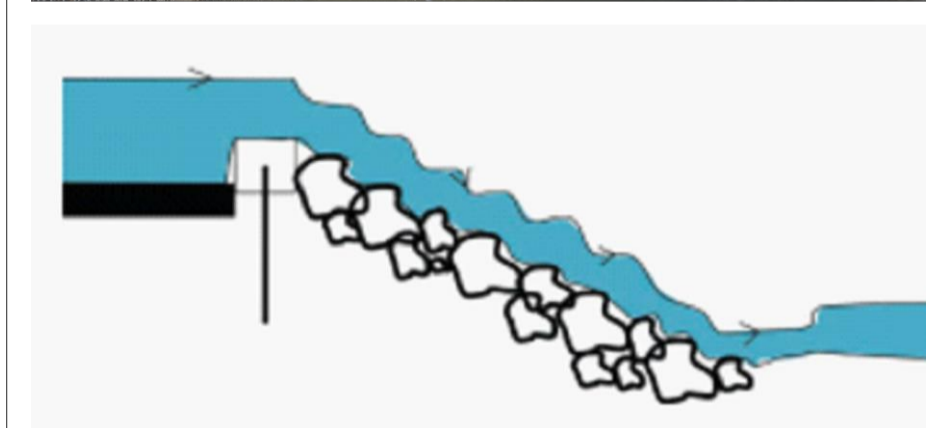
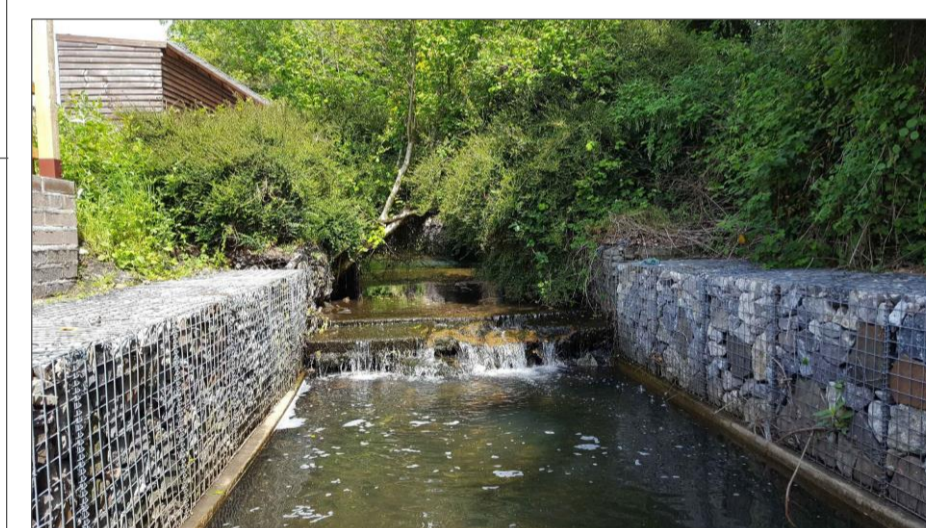


NANT CYLLA (SECTION AFFECTED BY SCOUR FROM COMMERCIAL STREET CULVERT TO RHYMNEY RIVER) NOT TO SCALE



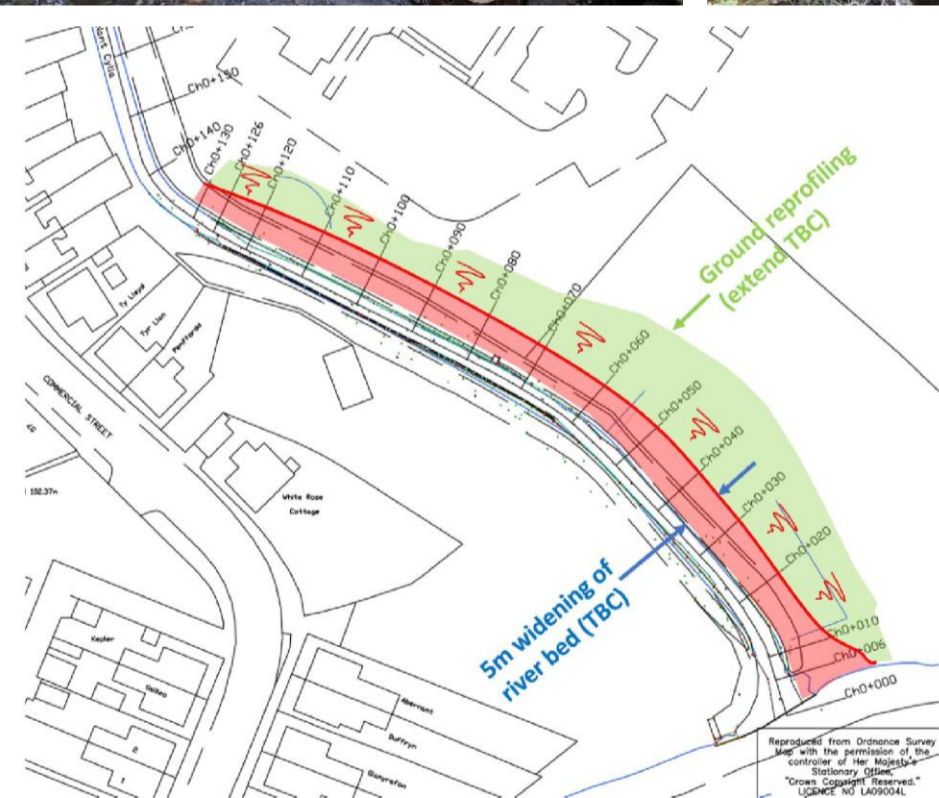
**Section 1: Wide channel with smooth concrete apron & concrete / masonry vertical walls at banks**  
RECOMMENDED OPTION: install energy dissipation structures or baffles tied in to the bed and banks of the existing concrete lined channel.

SECTION 1  
NOT TO SCALE



**SECTION 2: End of smooth channel: weir with stilling basin. Scour issues start.**  
RECOMMENDED OPTION: install an energy dissipation structure. The structure should be a rock weir type with embedded boulders. This option will connect Section 1 to Section 3.

SECTION 2  
NOT TO SCALE



**Section 3: Natural bed & scour protection structures at banks. Significant signs of scour and failure of structures along reach.**

RECOMMENDED OPTION: Widen channel bed and regrade eastern bank. Replace existing scour protection on western bank. Widened section to include rock weirs, meanders and green engineering.

SECTION 3  
NOT TO SCALE

DO NOT SCALE

NOTES

1. SCHEMATIC OPTION PLAN ONLY. NOT TO BE PROGRESSSED TO DESIGN FOR INFORMATION ONLY.

OSMAP REFERENCE  
ST 19SE  
ST19SW

PO1	22/01/2020	ZH	FOR INFORMATION	PV	SG
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: FOR INFORMATION



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CLIENT:  
STEPROJECT:  
Nant Cylla Scour Study

TITLE:  
Recommended Option Plan

SCALE @ A1:	NTS	CHECKED:	PV	APPROVED:	SG
PROJECT NO:	70061157	DESIGNED:	PV	DRAWN:	ZH
DRAWING NO:	70061157-WSP-00-XX-M2-DR-1000	DATE:	February 2020	REV:	P01

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