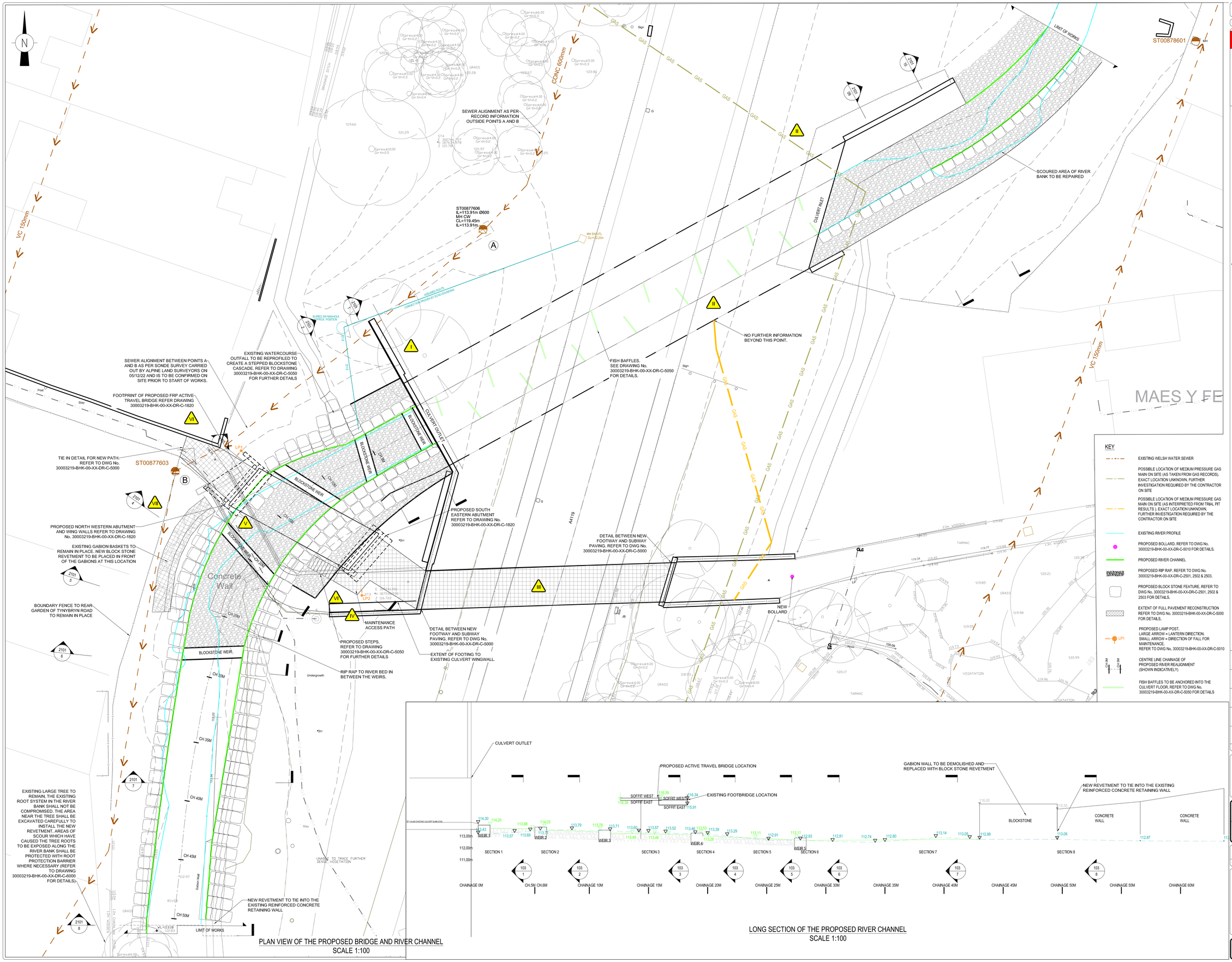

PLAN VIEW OF THE PROPOSED BRIDGE AND RIVER CHANNEL
SCALE 1:100

LONG SECTION OF THE PROPOSED RIVER CHANNEL
SCALE 1:100

0 — 100
This drawing may have been reduced — original scale : 100mm

Reference Drawings | Legend | Notes

Health & Safety

CDM Regulations 2015

Significant risk associated with this drawing are identified below and, where applicable, at specific locations on the drawing.

REFER TO 30003219-BHK-00-XX-RE-G-4014 CDM REGULATION 9 RISK REGISTER FOR FURTHER DETAILS.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

NOTES BELOW ARE ADDITIONAL TO HAZARDS/RISKS NORMALLY ASSOCIATED WITH THIS TYPE OF WORK:

I. HEAD ROOM CLEARANCE IS 2.8M

II. MEDIUM PRESSURE GAS MAIN LOCATION UNKNOWN.

III. LOW HEAD ROOM CLEARANCE.

IV. LV ELECTRICAL CABLE FEED TO EXISTING STREET LIGHTING COLUMN LC1 FROM EXISTING DISTRIBUTION BOX EDB1 UNKNOWN

V. WORKING AND CREATING EXCAVATIONS ADJACENT TO A WATERCOURSE

VI. UNDERMINING OF ADJACENT STRUCTURES

VII. INSTABILITY OF EXISTING GABION WALL

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING.

YELLOW PICTOGRAMS ARE NUMBERED IN RELATION TO SPECIFIC HAZARDS INDICATED ON THE DRAWINGS. REFER TO SHE BOX ABOVE.

NOTES

1. DO NOT SCALE FROM THIS DRAWING.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND DOCUMENTS.
3. THE WEIRS WILL BE FORMED USING BLOCK STONE PLACED IN A FASHION TO CREATE JAGGED, SAW-TOOTH LIKE GAPS BETWEEN EACH BLOCK. THE GAPS WILL BE SET AT NO MORE THAN 100MM WIDTH FOR 10% OF THE WEIR LENGTH AT LOCATIONS IDENTIFIED ON SITE. THE DEPTH OF EACH GAP WILL BE SET AT NO MORE THAN 150MM DEEP BUT ENSURING 50MM MINIMUM STEP IS CREATED ABOVE THE DOWNSTREAM BED LEVEL. THIS IS NEEDED TO HELP PROMOTE THE PASSAGE OF FISH DURING LOW FLOWS.
4. THE EXISTING FOOTBRIDGE IS TO BE DEMOLISHED AND REPLACED WITH A NEW ACTIVE TRAVEL COMPLIANT BRIDGE. THE PROPOSED BRIDGE SHALL COMPRISE A PROPRIETARY FRP FOOTBRIDGE AND SHALL HAVE A CLEAR WIDTH OF 3.5m WITH 1.5m HIGH PARAPETS.
5. ALL BLOCK STONE SHALL BE TYPICALLY 1 CUBIC METRE (2 TONNES) IN WEIGHT. THE SOURCE OF THE BLOCK STONE IS TO BE AGREED WITH THE OVERSEEING ORGANISATION IN ADVANCE. THE BLOCK STONE SHALL BE DENSE, SOUND, FREE FROM CRACKS, SEAMS AND OTHER DEFECTS THAT MAY CAUSE ACCELERATED WEATHERING/ FAILURE. THE CONTRACTOR WILL BE EXPECTED TO SELECT INDIVIDUAL BLOCK STONES FROM THE QUARRY TO ENSURE THAT THE ABOVE REQUIREMENTS ARE MET.
6. RIPRAP FORMING RIVER BED AND BANKS TO BE PROVIDED IN 600mm THK LAYER. RIPRAP SHALL BE CLEAN STONE FREE FROM DIRT, CLAY, SAND AND OTHER CONTAMINANTS. INDIVIDUAL ROCK FRAGMENTS SHALL BE DENSE, SOUND AND FREE FROM CRACKS, SEAMS AND OTHER DEFECTS CONDUCIVE TO ACCELERATED WEATHERING. EXCEPT AS OTHERWISE SPECIFIED ON THE DRAWINGS, THE ROCK FRAGMENTS SHALL BE ANGULAR TO SUBROUNDED. THE LEAST DIMENSION OF AN INDIVIDUAL ROCK FRAGMENT SHALL BE NOT LESS THAN ONE THIRD THE GREATEST DIMENSION OF THE FRAGMENT.THE RIPRAP ON THE RIVER BANKS SHALL BE LAID OVER MINIMUM 150MM THICK LAYER OF COMPACTED TYPE 6A MATERIAL TO SHW, THE TYPE 6A MATERIAL SHALL OVER LAY A PROPRIETARY GEOTEXTILE FILTER LAYER. THE ASSOCIATED RIP RAP ARMOUR FOR THE AREAS OF PROTECTION ABOVE THE BLOCKSTONE AND IN AREAS OF WIDENING WITHIN THE RIVERBED WILL HAVE AN AVERAGE SIZE OF 400MM. THIS AVERAGE VALUE WILL BE CONSIDERED TO BE THE D50 SIZE (I.E. THE MEAN ROCK SIZE FOR WHICH 50% OF ROCKS ARE SMALLER) BUT DOES NOT NEED TO BE GROUTED ALTHOUGH THE MANNINGS COEFFICIENT N NEEDS TO BE 0.04.
7. THE LOCATION OF THE 600mm DIA. SEWER HAS BEEN PARTLY TAKEN FROM SEWER RECORDS SUPPLIED BY WELSH WATER AND PARTLY CONFIRMED BY SONDE SURVEY CARRIED OUT BY ALPINE LAND SURVEYORS LTD IN NOVEMBER 2022. THE EXTENT SURVEYED TO DATE IS BETWEEN POINT A AND POINT B. IF THE REMAINING PARTS OF THE SEWER IS AFFECTED BY ANY OF THE WORKS THEN IT IS RECOMMENDED THESE SECTIONS ARE ALSO SURVEYED PRIOR TO UNDERTAKING ANY CONSTRUCTION.
8. REFER TO DRAWING 30003219-BHK-00-XX-DR-C-1801 FOR FINISHED SURFACE LEVELS, COORDINATES AND KEY ALIGNMENTS.
9. FOR LANDSCAPING REFER TO DRAWING 30003219-BHK-00-XX-DR-C-6010 FOR DETAILS.
10. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE MANUAL FOR CONTRACT DOUMENTS FOR HIGHWAY WORKS (MCHW) VOL 1

FOR CLARITY NOT ALL SERVICES ARE SHOWN ON THIS DRAWING. REFER TO DRAWING 30003219-BHK-00-XX-DR-C-0200 FOR LOCATION OF ALL OTHER SERVICES

KEY

- EXISTING WELSH WATER SEWER
- POSSIBLE LOCATION OF MEDIUM PRESSURE GAS MAIN ON SITE (AS INTERPRETED FROM TRIAL PIT RESULTS), EXACT LOCATION UNKNOWN. FURTHER INVESTIGATION REQUIRED BY THE CONTRACTOR ON SITE
- POSSIBLE LOCATION OF MEDIUM PRESSURE GAS MAIN ON SITE (AS INTERPRETED FROM TRIAL PIT RESULTS), EXACT LOCATION UNKNOWN. FURTHER INVESTIGATION REQUIRED BY THE CONTRACTOR ON SITE
- EXISTING RIVER PROFILE
- PROPOSED BOLLARD. REFER TO DWG No. 30003219-BHK-00-XX-DR-C-5010 FOR DETAILS.
- PROPOSED RIVER CHANNEL
- PROPOSED RIP RAP. REFER TO DWG No. 30003219-BHK-00-XX-DR-C-2501, 2502 & 2503.
- PROPOSED BLOCK STONE FEATURE. REFER TO DWG No. 30003219-BHK-00-XX-DR-C-2501, 2502 & 2503 FOR DETAILS.
- EXTENT OF FULL PAVEMENT RECONSTRUCTION REFER TO DWG No. 30003219-BHK-00-XX-DR-C-5000 FOR DETAILS.
- PROPOSED LAMP POST. LARGE ARROW = LANTERN DIRECTION. SMALL ARROW = DIRECTION OF FALL FOR MAINTENANCE. REFER TO DWG No. 3000219-BHK-00-XX-DR-C-5010
- CENTRE LINE CHAINAGE OF PROPOSED RIVER REALIGNMENT (SHOWN INDICATIVELY)
- FISH BAFFLES TO BE ANCHORED INTO THE CULVERT FLOOR. REFER TO DWG No. 30003219-BHK-00-XX-DR-C-5050 FOR DETAILS

Revision	Description	Drawn	Date	Checked	Approved
P04	ISSUE FOR DETAILED DESIGN	RSL	16/03/23	AS	NW
P03	INCORPORATING CLIENT COMMENTS	RSL	24/01/22	AS	NW
P02	FIRST ISSUE SEWER ROUTE CHANGE BETWEEN POINTS A AND B	RSL	04/01/22	AS	NW
P01	FIRST ISSUE	RSL	16/11/22	AS	NW

Revisions

Client
RHONDDA CYNON TAF COUNTY BOROUGH COUNCIL

Project
TYNYBRYN FOOTBRIDGE WALES

Title
PROPOSED PLAN VIEW

Scale	Drawn	Checked	Approved
1:100 (when plotted @ A0)	RSL Date 16/11/22	AS Date 16/11/22	NW Date 16/11/22

CAD Ref: S:\Warwick\projects\30003219 - Tynybryn Footbridge Wales

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Revision: P04