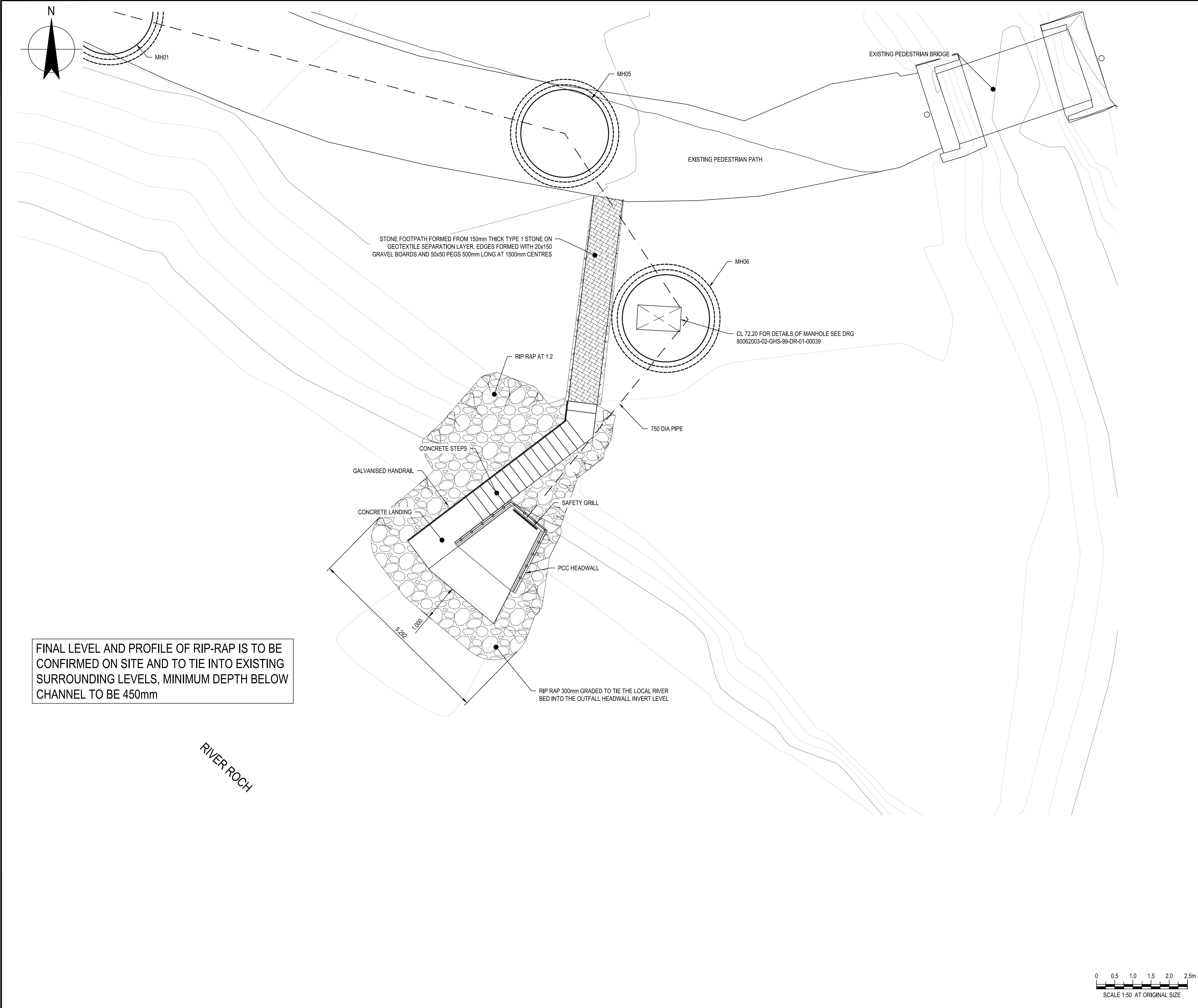




HEALTH & SAFETY

SITE HAZARDS

1. UNCHARTERED SERVICES
2. WORKING ADJACENT DEEP WATER
3. WORKING ADJACENT TO STEEP SLOPE ABOVE FAST FLOWING WATER
4. WORK IN THE RIVER ROCH

GENERAL NOTES

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES (mm) & ALL LEVELS ARE IN METRES (m) AOD, UNLESS STATED OTHERWISE.
3. ALL DIMENSIONS & LEVELS TO BE CHECKED ON SITE AND ANY DISCREPANCIES SHOULD BE REPORTED TO GHD.
4. THIS DOCUMENT IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PROJECT STANDARDS AND SPECIFICATIONS.

CONCRETE:

1. CONCRETE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF BS EN 206:2013
2. CONCRETE GRADES PROVIDED IN ACCORDANCE WITH THE RECOMMENDATIONS OF BS8500-1:2015 :-

STRUCTURAL CONCRETE

a. COMPRESSIVE STRENGTH CLASS - C28/35
b. DESIGN CHEMICAL CLASS (DC-CLASS) - DC-3
c. MAXIMUM WATER CEMENT RATIO - 0.45
d. MINIMUM CEMENT CONTENT - 340 kg/m³
e. ALLOWABLE CEMENT COMBINATION TYPES - CEM1
f. AGG. CO-EFFICIENT OF THERMAL EXPANSION - 12
g. MAX AGGREGATE SIZE - 20mm

BENCHING/BLINDING

CONCRETE DESIGNATION - GEN3
CONCRETE ROADS/PATHS
CONCRETE DESIGNATION - PAV2

THE CONTRACTOR SHOULD PROPOSE CONCRETE CONSISTENCE CLASS FOR REVIEW BY GHD

CONCRETE MIX DESIGNS SHOULD BE PROVIDED BY THE SUPPLIER FOR REVIEW BY GHD

3. ALL EXPOSED VERTICAL AND HORIZONTAL ARRISSES FINISHED WITH A 25 x 25mm CHAMFER, EXTENDING TO 150mm BELOW FINISHED GROUND LEVEL, EXCEPT FOR:
- WEIR TOPS
- STAIR NOSINGS
- HORIZONTAL ARISE ABUTTING FLOORING, COVERS OR STAIR HEADS
- WHERE THE CONCRETE FORMS A STEP ON AN ACCESS ROUTE.

4. SURFACES EXPOSED IN THE COMPLETED WORKS SHALL RECEIVE A FAIR WORKED FINISH. ALL OTHER STRUCTURAL CONCRETE SURFACES SHALL RECEIVE A FAIR FINISH.

5. UNLESS SHOWN OTHERWISE ON THE DRAWINGS, NOMINAL COVER SHALL BE:
a. 40mm GENERALLY
b. 50mm FOR CONCRETE CAST AGAINST BLINDING
c. 75mm FOR CONCRETE CAST AGAINST SOIL, AND

6. ALL REINFORCEMENT HAS A MINIMUM LAP OF 53 x DIA OF SMALLER BAR IN LAP

7. REMOVAL OF FORMWORK:
MINIMUM CONCRETE STRENGTH GAIN OF 10N/mm² TO BE ACHIEVED PRIOR TO STRIKING FORMWORK.
TEST CUBE RESULTS REQUIRED TO DEMONSTRATE STRENGTH GAIN HAS BEEN ACHIEVED

8. CONCRETE CONSTRUCTION SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE RECOMMENDATIONS OF BS EN 13870:2009 EXECUTION OF CONCRETE STRUCTURES.

9. MANHOLE CONSTRUCTION TO BE IN ACCORDANCE WITH UU STANDARD DETAILS STDN/01/001 AND 013.

CURRENT ISSUE CONSTRUCTION

C05	JK	WM	WM	For Construction	03/07/24
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE	DATE
A		Issued for Construction			
SUITABILITY CODE		SUITABILITY DESCRIPTION			

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Civils • Utilities

United Utilities

Water for the North West

BRY0021 AESTHETIC SCREENING

OUTFALL

GENERAL ARRANGEMENT

SCALE

AS SHOWN

DRAWING NUMBER

80062003-02-GHD-092LR-99-DR-01-00029

SHEET SIZE

A1

REVISION

C05

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