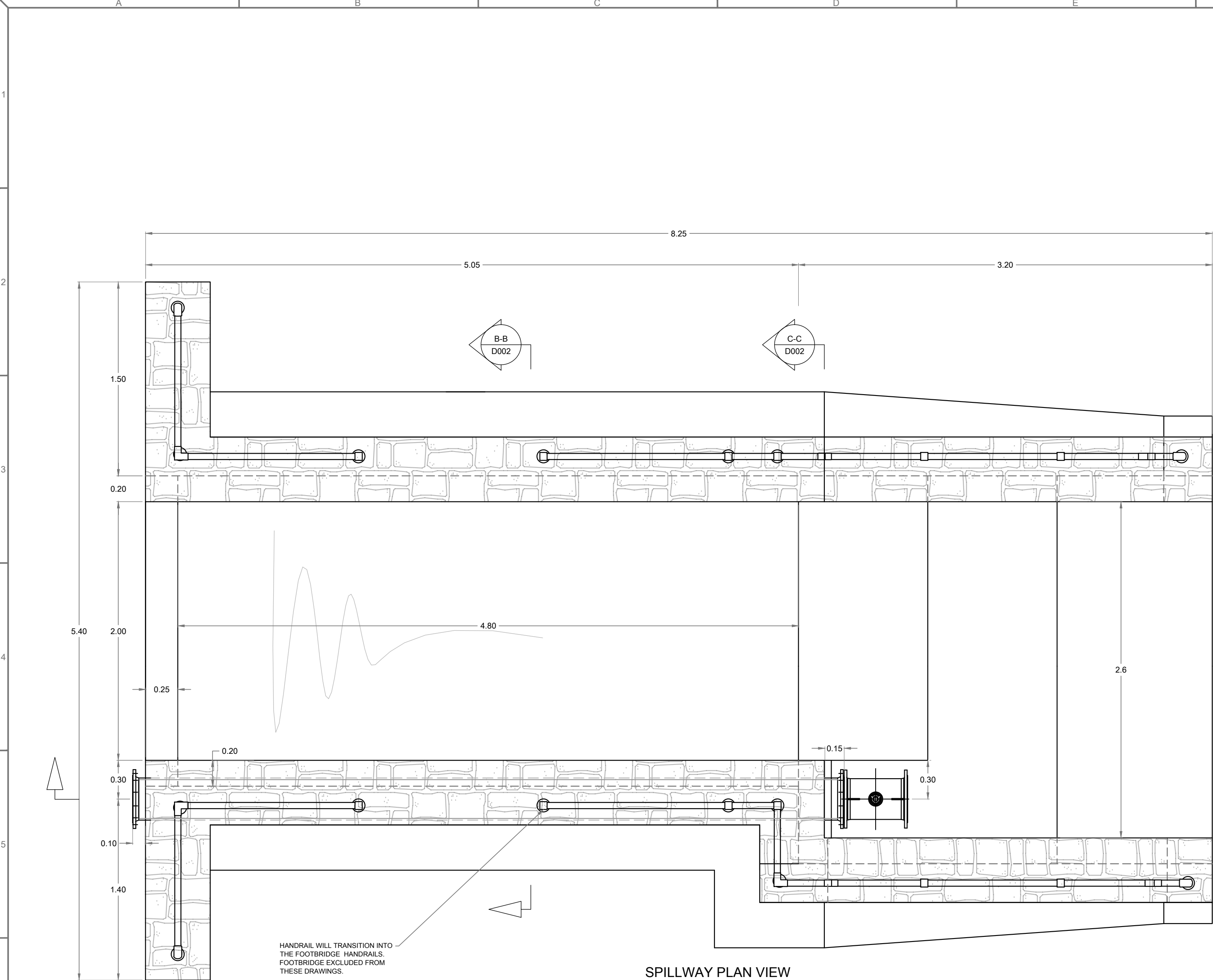
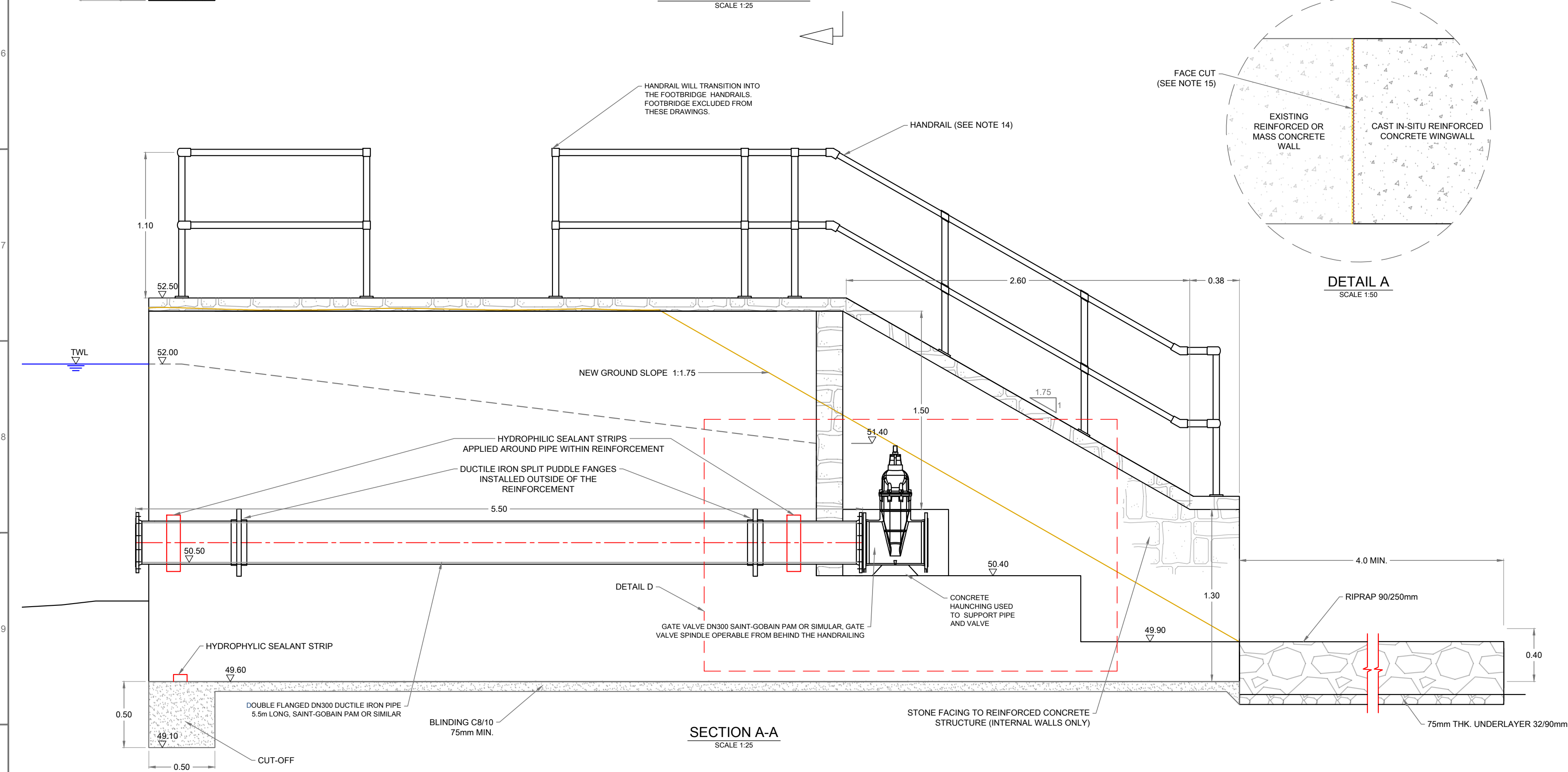


12/12/19 C:\Users\local\pgo\external\mcr6075_500_D001\DWG_2.dwg



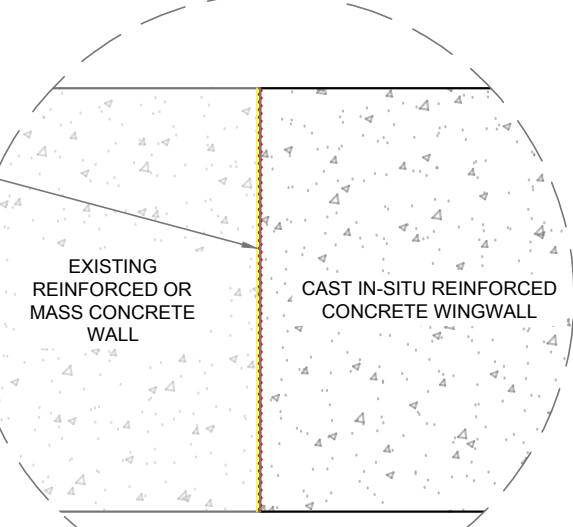
SPILLWAY PLAN VIEW

SCALE 1:25



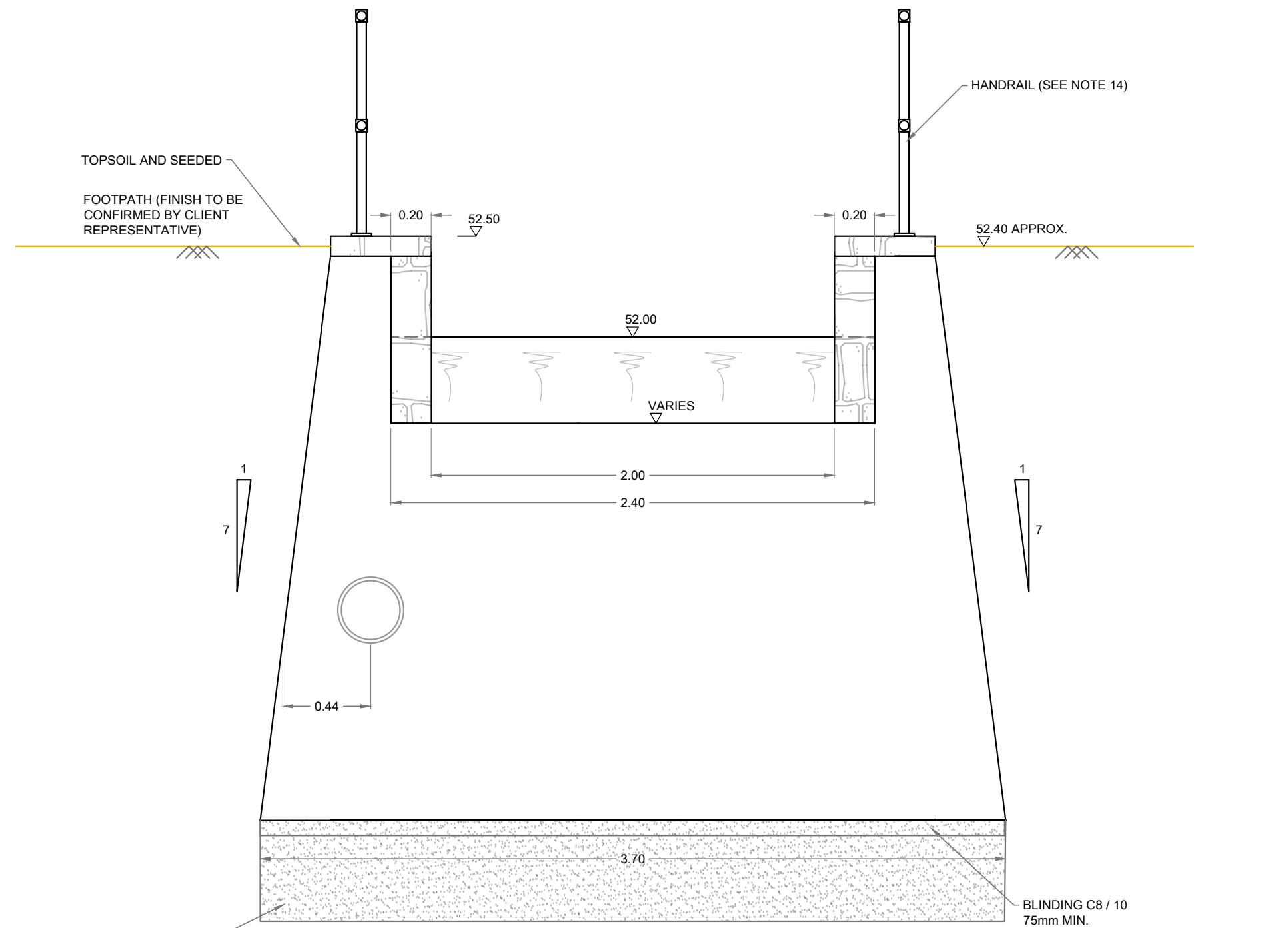
SECTION A-A

SCALE 1:25



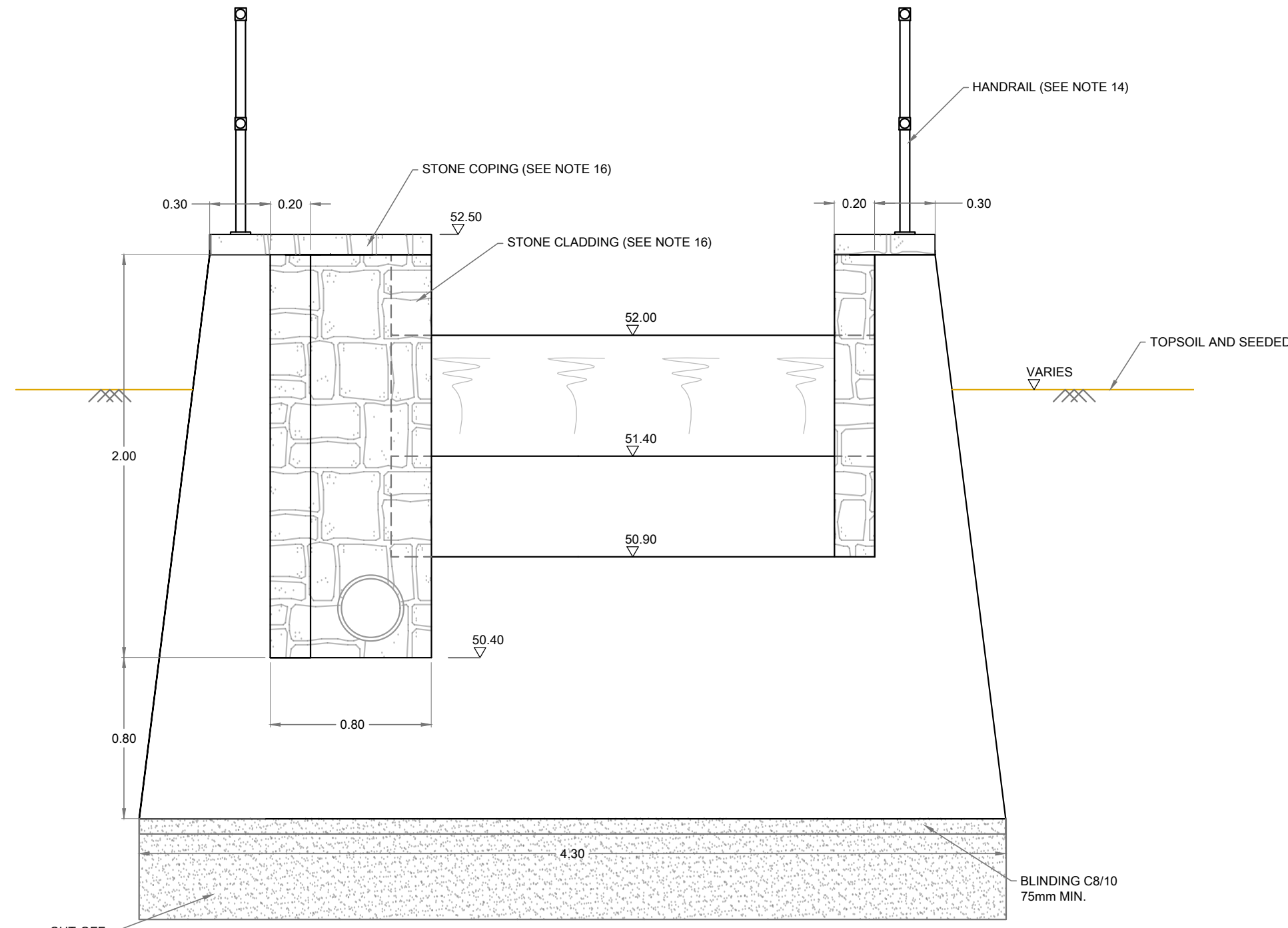
DETAIL A

SCALE 1:50



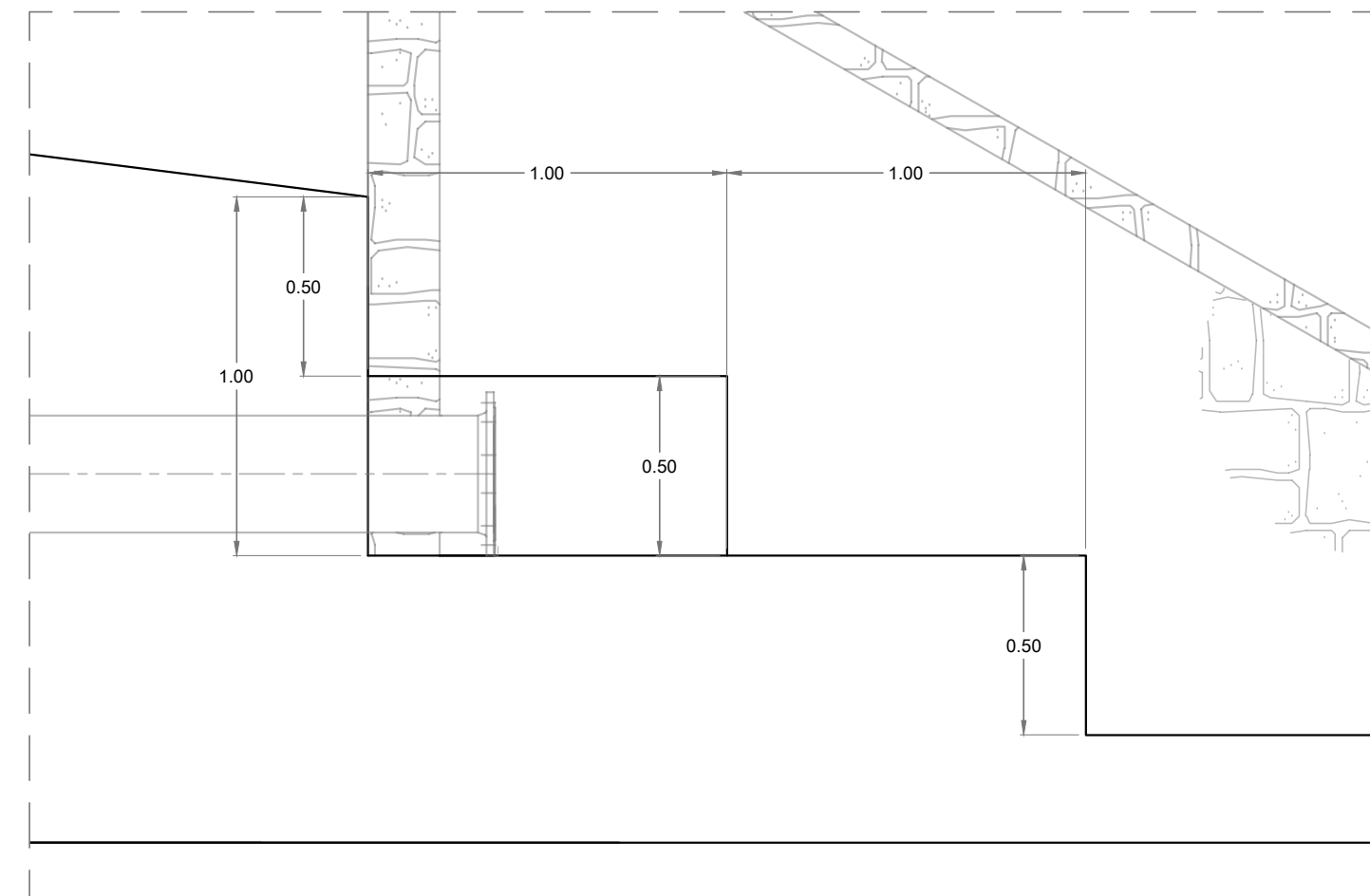
SECTION B-B

SCALE 1:25



SECTION C-C

SCALE 1:25



DETAIL D

SCALE 1:10

HR Wallingford has prepared this document under the terms of the contract between them and their client, for the exclusive use of that client.
HR Wallingford accepts no liability for any use of this document other than by their client and then only for the purposes for which it was prepared. No warranty is given for any third party data included in this document.

- NOTES
1. DOCUMENT UNCONTROLLED WHEN PRINTED.
 2. DO NOT SCALE. USE ONLY WRITTEN DIMENSIONS.
 3. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 4. GRID AND LEVELS ARE IN METRES RELATIVE TO NATIONAL GRID PROJECTION OSTN15 AND OSGM15.
 5. TOPOGRAPHIC SURVEY REFERENCE BRUNEL SURVEYS LTD. DRAWING NUMBER 20066-200-01.
 6. ALL SETTING OUT SHALL BE CONFIRMED ON SITE BY THE CONTRACTOR BEFORE COMMENCEMENT OF THE WORKS.
 7. ALL MATERIAL WILL BE SUPPLIED AND INSTALLED AS SPECIFIED IN MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS VOLUME 1 - SPECIFICATION FOR HIGHWAY WORKS.
 8. UNLESS OTHERWISE INDICATED, FOR IN SITU CONCRETE THE REQUIRED ACCURACY SHALL BE $\pm 10\text{mm}$ HORIZONTAL AND $\pm 5\text{mm}$ VERTICAL.
 9. THE ENGINEERED FILL SHALL BE CLASS 1A IN ACCORDANCE TO THE SPECIFICATION FOR HIGHWAY WORKS AND SHALL HAVE A MAXIMUM PERMEABILITY OF 10^{-10}s .
 10. CONCRETE DESIGNATION SHALL BE RC30/37, XC4, C10.2, Dmax20, S4(REF. BS 8500-2:2015, TABLE 6) IN ACCORDANCE WITH BS 4449.
 11. REINFORCEMENT TO BE GRADE 500, IN ACCORDANCE WITH BS 4449.
 12. ALL EXTERNAL AND INTERNAL CORNERS TO HAVE A 25mm X 25mm CHAMFER, UNLESS OTHERWISE STATED.
 13. HANDRAILING WILL BE KEE KLAMP, GALVANISED SIZE 8 OR SIMILAR. UPRIGHT HEIGHT WILL BE 1.1m WITH A DESIGN LOAD OF 300N/m.
 14. EXISTING MASS CONCRETE OR REINFORCED CONCRETE WALL WILL BE VERTICALLY CUT AT 90° FOR THE NEW TRANSITIONS. IF REINFORCED CONCRETE IS ENCOUNTERED, A METHOD WILL BE PROVIDED BY THE CONTRACTOR ON HOW TO PROTECT THE EXPOSED REINFORCEMENT FROM FUTURE CORROSION. METHOD WILL BE SUPPLIED TO CLIENT REPRESENTATIVE FOR APPROVAL.
 15. THE STONE CLADDING AND COPING WILL RE-USE THE EXISTING STONE FROM THE WEIR AND SIMILAR STONE SUPPLIED BY THE CONTRACTOR. DETAILED DESIGN DRAWINGS IDENTIFYING THE LAYOUT OF THE STONE CLADDING AND COPING WILL BE SUPPLIED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL.
 16. STAINLESS STEEL FIXINGS WILL BE USED TO CONNECT THE STONE CLADDING TO REINFORCED CONCRETE WALL. LOCATION AND EXTENT WILL BE DETAILED BY THE CONTRACTOR AND SUBMITTED TO THE CLIENT REPRESENTATIVE FOR APPROVAL. FIXINGS WILL NOT HAVE ELECTRICAL CONDUCTIVITY TO THE REINFORCEMENT.
 17. TEMPORARY WORKS ARE EXCLUDED FROM THE DESIGN DRAWINGS AND WILL BE DESIGNED BY OTHERS.

NEW GROUND LEVEL
TWL TOP WATER LEVEL
STONE COPING AND CLADDING

2	ISSUED FOR CONSTRUCTION	LCN	MJJ	MSA	12 DEC 19
1	ISSUED FOR CONSTRUCTION	LCN	MJJ	MSA	22 NOV 19
0	DRAFT	LCN	MJJ	MJJ	07 NOV 19
REV	DRAWING STATUS	DRN	APPR	AUTH	DATE

CLIENT: NEATH PORT TALBOT COUNCIL

HR Wallingford
Hockley Park, Wallingford
Oxfordshire OX10 8BA
United Kingdom
Tel: +44(0)1491 835381
Fax: +44(0)1491 832233
www.hrwallingford.com

PROJECT: FURZEMILL RESERVOIR

DRAWING TITLE: DETAILS OF SPILLWAY DESIGN

SCALE: AS SHOWN
SHEET SIZE: A1
DRAWING NO: MCR6075_500_D002
REV: 2