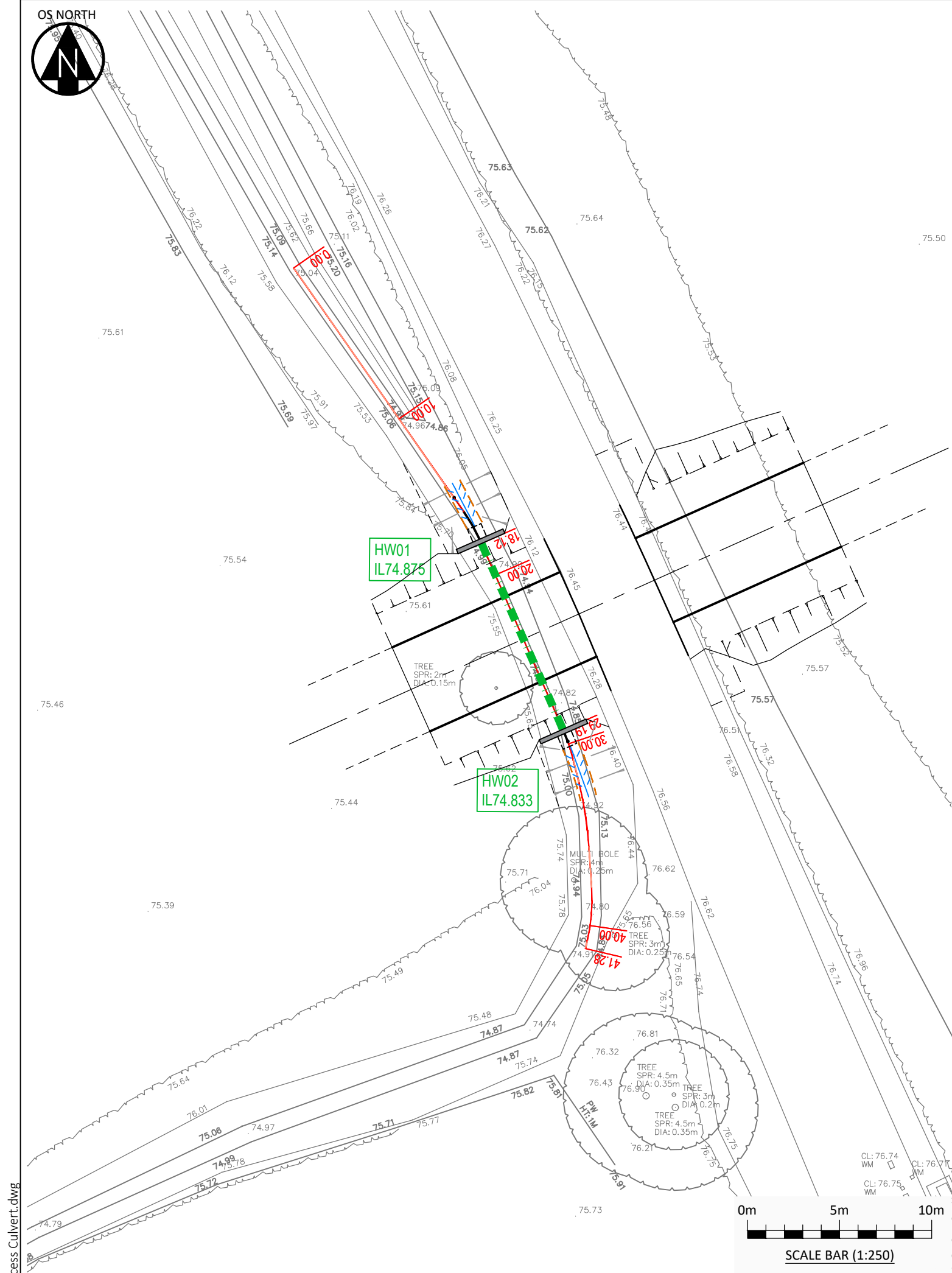
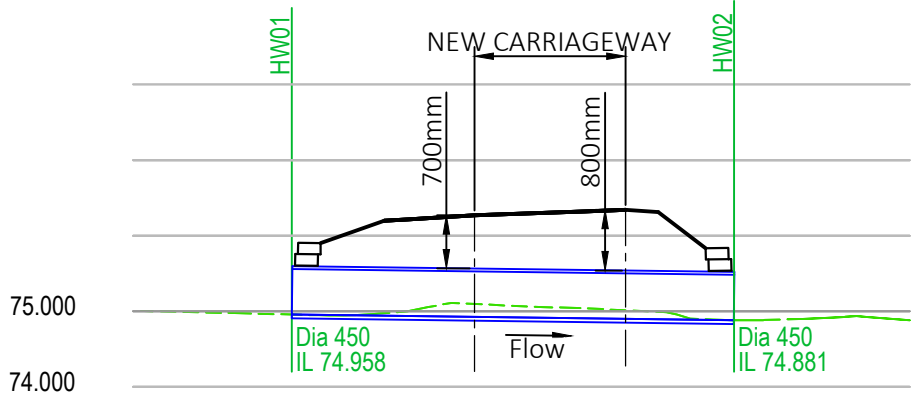




HEADWALL SCHEDULE				
REFERENCE	TYPE	PIPE INVERT (mAOD)	PIPE DIA (mm)	COMMENTS
HW01	CONCRETE BAGWORK HEADWALL	74.958	600	TEMPORARY HEADWALL
HW02	CONCRETE BAGWORK HEADWALL	74.881	600	TEMPORARY HEADWALL
NOTES: 1. ALTERNATIVE BAGWORK HEADWALLS TO BE APPROVED.				

KEY

EXISTING LEVELS	---
PROPOSED LEVELS	---
CONCRETE BAG WORK	
DRAINAGE - 600 DIA PIPE	



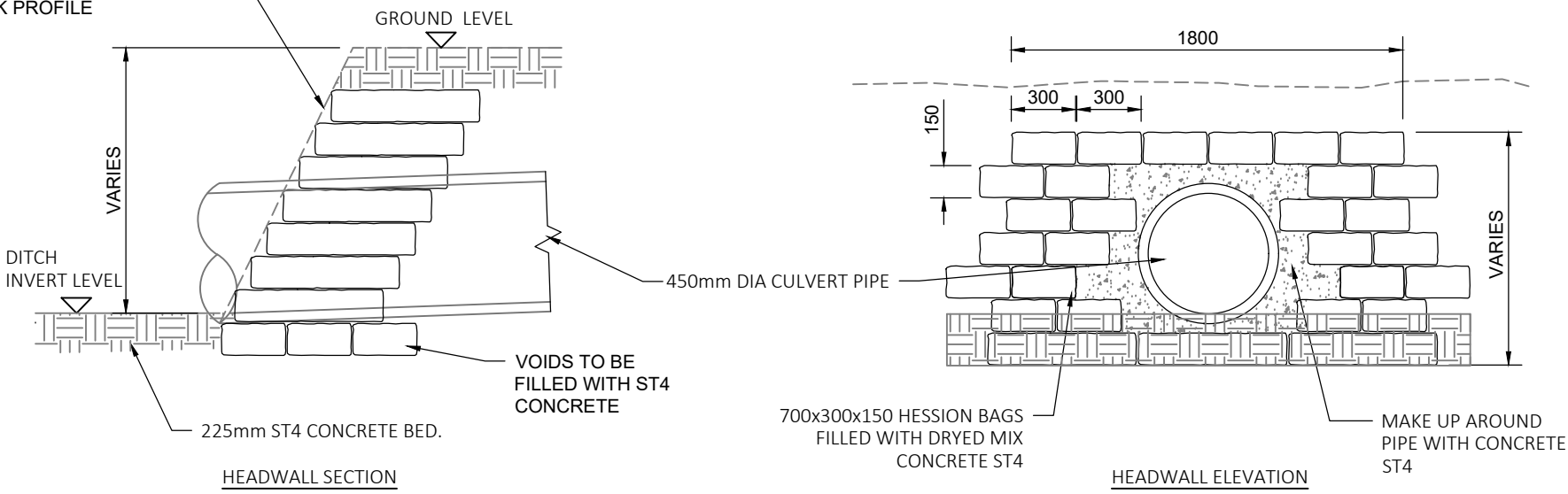
SECTION A-A

CHAINAGE	10.000	15.249	16.154	18.121	20.000	29.193	30.884	32.152	35.696
EXISTING GROUND LEVEL	75.008			75.074		74.881			
ALIGNMENT LEVEL				74.933		74.881			
VERTICAL ALIGNMENT		74.958	G= -0.521% 1: -192.1						

CULVERT LONG SECTION

1:250H-1:100V

CONCRETE BAG WORK HEADWALL TO FOLLOW EXISTING DITCH BANK PROFILE



CONCRETE BAGWORK HEADWALL DETAIL

NTS

NOTES:

- ST4 CONCRETE IN COMPLIANCE WITH CLAUSE 2602 SHALL BE USED THROUGHOUT. THE CONCRETE FILLING TO THE BAGS SHALL HAVE A LOW WORKABILITY WITH A SLUMP OF 25 mm.
- THE BAGS SHALL BE HESSIAN SAND BAGS COMPLYING WITH BS 1214. THE SIZE OF THE BAGS SHALL BE SUCH THAT WHEN FILLED, THE DIMENSIONS SHALL BE 700 mm X 300 mm X 150 mm. THE BAGS SHALL BE PLACED IN POSITION AND SHAPED TO THE PROFILE SHOWN ON THE DRAWINGS BY STRIKING WITH A FLAT TIMBER BOARD UNTIL ALL FACES ARE FLAT AND ALL EDGES SQUARE.
- THE FINISHED EXPOSED FACES OF THE BAGWORK SHALL NOT BE PUNCTURED OR TORN AND NO TUCKED ENDS SHALL BE VISIBLE.
- EACH CONCRETE BAG IS TO BE SPIKED TO THE ONE BELOW AND THE BOTTOM ROW SPIKED TO THE FOUNDATION WITH 10 mm X 200 mm MILD STEEL DOWEL BARS. WHERE THE CONCRETE BAGS HAVE A CONCRETE BACKING, ALTERNATE ROWS OF BAGS SHALL BE SPIKED TO THE BACKING CONCRETE WITH 10 mm X 200 mm MILD STEEL DOWEL BARS AT 45 DEGREES TO THE HORIZONTAL WITH ONE DOWEL PER BAG IN THE ROW.
- WHERE BAGWORK FORMS A HEADWALL, HEADWALL FOUNDATIONS ARE TO BE CAST AGAINST THE EXCAVATED FACE AND ANY OVERDIG FILLED WITH ST4 CONCRETE.
- FORMED CONCRETE SURFACES SHALL BE TO CLASS F1 FINISH AND UNFORMED SURFACES TO CLASS U1 FINISH IN ACCORDANCE WITH CLAUSE 1708.
- WHERE BAGWORK IS PROVIDED TO PROTECT WATERCOURSES, BEFORE PLACING THE BAGS, THE BANKS SHALL BE CUT INTO HORIZONTAL STEPS TO PROVIDE A SUITABLE FOUNDATION AND SHALL BE COVERED IN GEOTEXTILE TO THE REQUIREMENTS OF CLAUSE 609. THE BOTTOM COURSE OF BAGS SHALL BE AT LEAST 450 mm BELOW THE STREAM BED AND ALL SUCCEEDING COURSES SHALL BE HORIZONTAL AND ALL VERTICAL JOINTS SHALL BE STAGGERED IN ALTERNATE COURSES. HEADERS SHALL BE PLACED AT EVERY THIRD BAG IN ALTERNATE COURSES.
- THE BAGWORK SHALL BE THOROUGHLY SOAKED WITH WATER UPON COMPLETION OF THE CONSTRUCTION TO SATURATE THE HESSIAN BAGS.

DO NOT SCALE

REVISIONS

PO2	CULVERT UPDATED TO 600mm	14/10/25	RJP	RJP RJP
PO1	FIRST ISSUE	06/06/25	WG	RJP RJP
Rev.	Revision Notes	Date	Drawn By	Checked Approved



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CLIENT

EARTHLINE LTD

PROJECT

BLACKBURR FARM QUARRY

TITLE

TEMPORARY NORTHERN ROAD CROSSING
CULVERT LONG SECTION AND DETAILS

STANTEC PROJECT NO.

333800456

SCALE @ A2

1:250

STATUS DESCRIPTION

SUITABLE FOR STAGE APPROVAL

STATUS

S4

DRAWING NO.

38342-HYD-XX-XX-DR-D-0205

REVISION

P02