Do not scale from this drawing; work to figured dimensions only. All existing dimensions to be checked on site. All discrepancies must be notified to the issuing office.

This drawing is to be read in conjunction with all other relevant documentation, including that produced by other Comhairle Departments, consultants, sub-contractors and suppliers.

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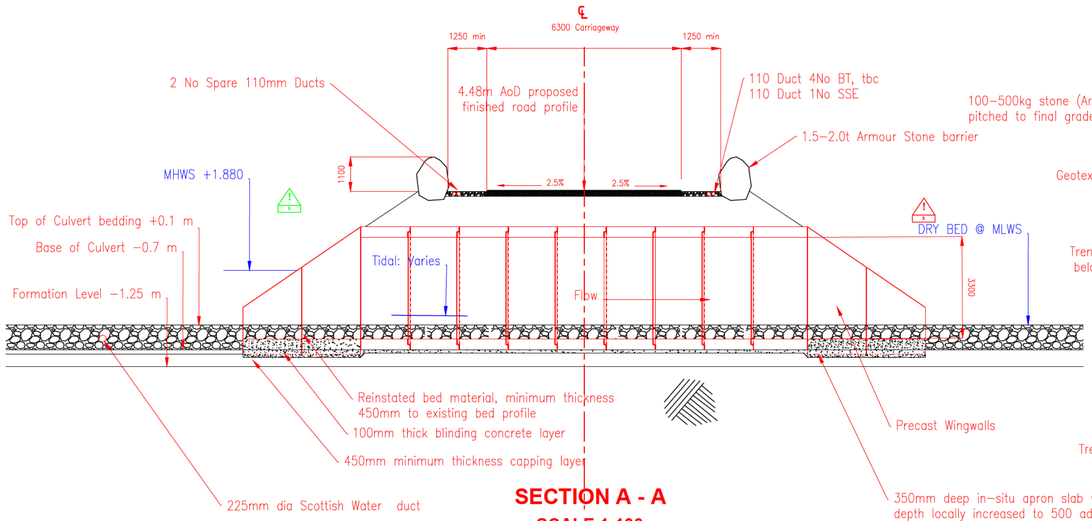
NOTES:

1. ALL DIMENSIONS IN mm U.N.O.
2. ALL LEVELS IN METERS AND RELATIVE TO ORDANCE DATUM.
3. THERE ARE RECORDED BURIED SERVICES TO THE INLET AS SHOWN ON SITE PLAN LAYOUT. THESE WERE ESTABLISHED FROM INITIALS SERVICES SEARCHES AND SITE SURVEY 07-10-17. SEVICES ARE TO BE CONFIRMED PRIOR TO COMMENCING ANY WORKS INCONSULTATION WITH UTILITIES PROVIDERS.
4. ROCK PROFILE/BEARING STRATA TO BE CONFIRMED BY SITE INVESTIGATION. FOLLOWING SI GEOTECHNICAL REPORT FOUNDING LEVELS SHALL BE CONFIRME.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL BURIED SERVICES AND MARK THEIR LOCATION/PROVIDE PROTECTION IN ACCORDANCE WITH RECOMMENDATION OF THE UTILITIES PROVIDERS PRIOR TO COMMENCING THE WORKS. SEE CONTRACT SPECIAL REQUIREMENTS AND DRAWING 14A (5B 45) 00* FOR FURTHER DETAILS.
6. CONTRACTOR SHALL LIAISE WITH THE CULVERT SUPPLIER AND INSTALLATION METHOD FOR ANY TEMPORARY WORKS REQUIRED.
7. TRAFFIC SHALL BE MAINTAINED ON THE EXISTING CAUSEWAY BRIDGE UNDER TRAFFIC MANAGEMENT AND DIVERTED FOLLOWING INSTALLATION OF THE UPSTREAM HALF OF THE CULVERT. DOWNSTREAM CULVERT SHALL THEN BE INSTALLED FOLLOWING EXCAVATION AND DEMOLITION OF REMAINING BRIDGE SECTION.
8. ENGINEER TO CONFIRM FOUNDATION LEVEL TO REDUCE RISK OF DIFFERENTIAL SETTLEMENT. FORMATION LEVEL SHALL COMPRISE OF SOUND BED MATERIAL OR ROCK. EXCESS DIFFERENTIAL FOUNDING LEVELS SHALL BE MINIMISED BY ROCK BREAK-OUT, MASS CONCRETE OR COMBINATION THEREOF.
9. ALL EXPOSED CONCRETE FINISHES SHALL BE F3, U3, ALL BURIED SURFACES SHALL BE F2, F2, IN ACCORDANCE WITH SPECIFICATION APPENDIX 17/3.
10. ALL EXPOSED CONCRETE SHALL HAVE 25 X 25 CHAMFERS.
11. ALL BURIED SURFACES NOT PROTECTED BY WATERPROOFING SHALL HAVE 2 COATS BITUMINOUS BASED PAINT AND ALL EXPOSED CONCRETE SURFACES TREATED IN ACCORDANCE WITH BD 43/03.
12. CONTRACTOR SHALL LIAISE WITH FISHERIES AND HARBOUR AUTHORITIES AND SHALL MINIMISE IMPACT OF THE WORKS TO EXISTING FISHERIES OR SHELLFISH INSTALLATIONS WITHIN THE VICINITY OF THE WORKS. MITIGATION OF POLLUTION SHALL COMPRISE OF REDUCED FINES CONTENT IN EMBANKMENT FILL BELOW WATER LEVEL AND INFILL OPERATION RESTRICTED TO LOW WATER DRY BED CONDITIONS.
13. ROCK FILL SHALL BE 6A BELOW ANY MLWS AREAS OTHERWISE ROCK FILL SHALL BE IN ACCORDANCE WITH SPECIFICATION APPENDIX 6/6 COMPACTED IN ACCORDANCE WITH APPENDIX 6/4.
14. ALL STRUCTURAL FILL ABOVE MLWS IN EMBANKMENTS SHALL BE IN ACCORDANCE WITH APPENDIX 6/6 COMPACTED IN ACCORDANCE WITH APPENDIX 6/4. FILL ADJACENT TO STRUCTURES SHALL BE 6N COMPACTED IN ACCORDANCE WITH APPENDIX 6/4.
15. TERRAM SHALL BE PLACED BETWEEN OUTER EMBANKMENT ARMOURSTONE LAYER AND COMPACTED FILL.
16. TOE ARMOUSTONE FOUNDING LAYER TO BE CHECKED BY THE ENGINEER FOR SUFFICIENT BEARING CAPACITY AND STABILITY PRIOR TO EMBANKMENT CONSTRUCTION.
17. CULVERT MIN ALLOWABLE BEARING PRESSURE 150KPA. FOUNDING LAYERS TO BE COMPACTED IN ACCORDANCE WITH SPECIFICATION APPENDIX 6/4 TO ACHIEVE REQUIRED BEARING PRESSURE. DENSITY TESTING OF COMPACTED 6N FILL AS REQUESTED BY THE ENGINEER ON SITE TO BS 1377-4.



SECTION A - A
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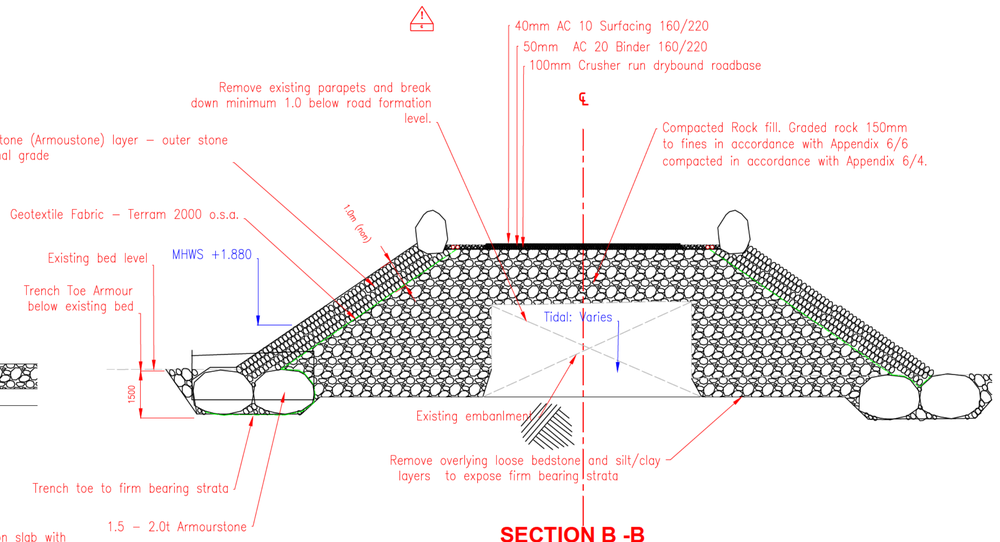

SECTION B -B
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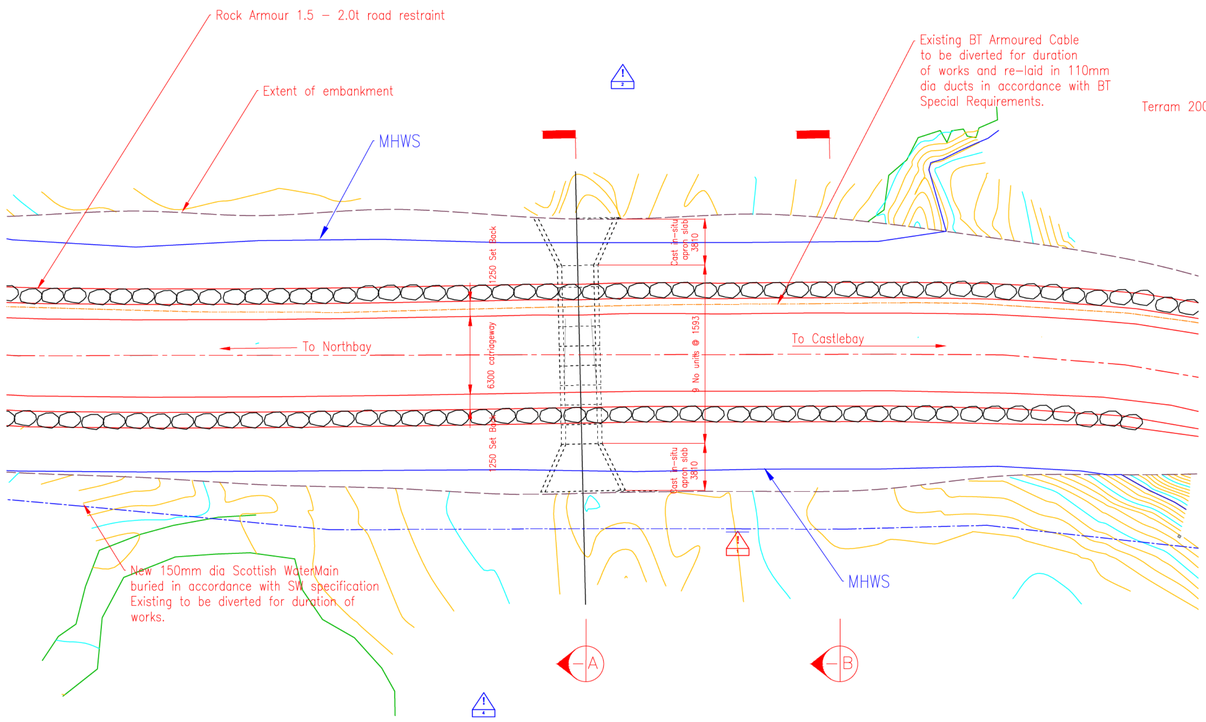

PLAN
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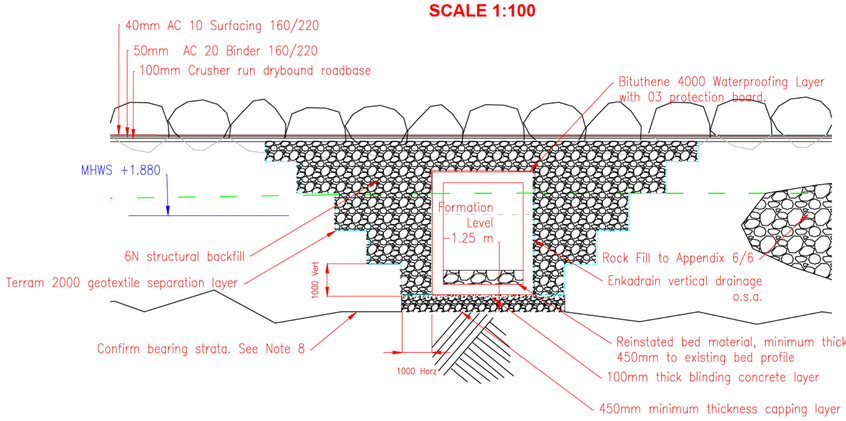
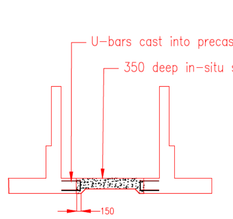
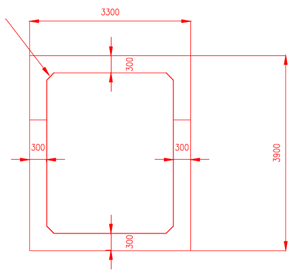
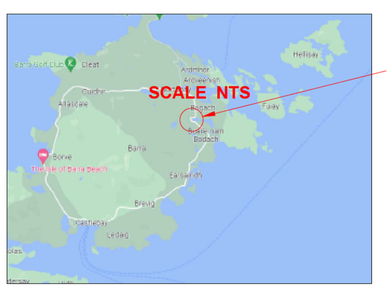




APRON TIE IN
SCALE 1:100



CULVERT DIMENSIONS
SCALE 1:100



LOCATION PLAN

WORKING IN PROXIMITY TO LIVE TRAFFIC	CONTRACTOR TO LIAISE WITH CNES AND PROVIDE TRAFFIC MANAGEMENT
WORKING IN PROXIMITY TO OTTERS AND OTHER SPECIES	CONTRACTOR TO LIAISE WITH NATURE SCOTLAND REPRESENTATIVE FOR OTTERS AND ADHERE TO THE REQUIREMENTS OF THE OTTER PROTECTION PLAN.
MARINE ENVIRONMENT CONTAMINATION	CONTRACTOR TO REDUCE FINES CONTENT OF FILL PLACED BELOW MLWS AND AVOID DEPOSITING FILL DURING FAST FLOWING TIDES.
WORKING IN EXCAVATIONS AT OR BELOW TIDAL LEVELS	CONTRACTOR TO MINIMISE REQUIREMENTS FOR OPERATIVES WORKING IN DEEP EXCAVATIONS BELOW TIDAL LEVELS AS FAR A PRACTICAL.
WORKING ADJACENT TO FAST FLOWING WATER	CONTRACTOR SHALL ENSURE LIFEJACKETS, STANDBY VESSEL LANYARDS ARE PROVIDED TO OPERATIVES IN ACCORDANCE WITH METHOD STATEMENT FOR WORKS
WORKING IN PROXIMITY TO LIVE SERVICES	CONTRACTOR TO LIAISE WITH UTILITIES PROVIDERS AND INCORPORATE INTO WORKS ANY MEASURES REQUESTED TO PROTECT THEIR SERVICES

SIGNIFICANT RESIDUAL HAZARDS

The above hazards do not include every hazard or assumption, but identify significant residual construction hazards that are not likely to be obvious to a competent contractor and those that could be difficult to manage effectively. Refer also to the designer's risk document.

PRELIMINARY

rev	description	drawn	ckd	date

COMHAIRLE NAN EILEAN SIAR
ASSETS AND INFRASTRUCTURE:

Project:
Loch Na Obe
Replacement Culvert and Approaches
Structure S140

Drawing:
General Arrangement

Project No: T500

Scale: As Shown @ A1
Original Size: A1
Date: 31/03/22
Drawn: AMG
Checked: AMG

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DRAWING No. 14A (5B 45) 001
Rev: