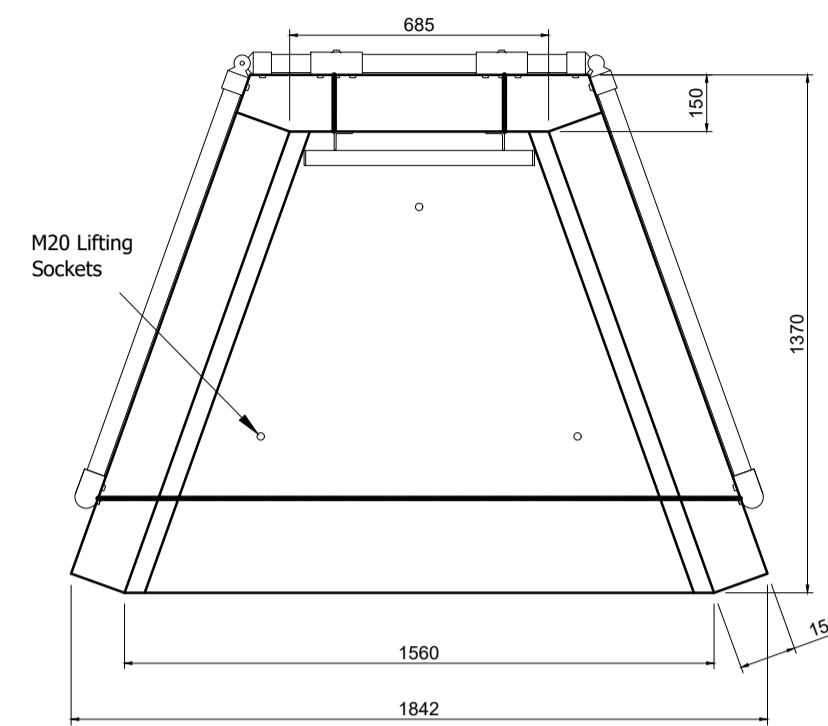
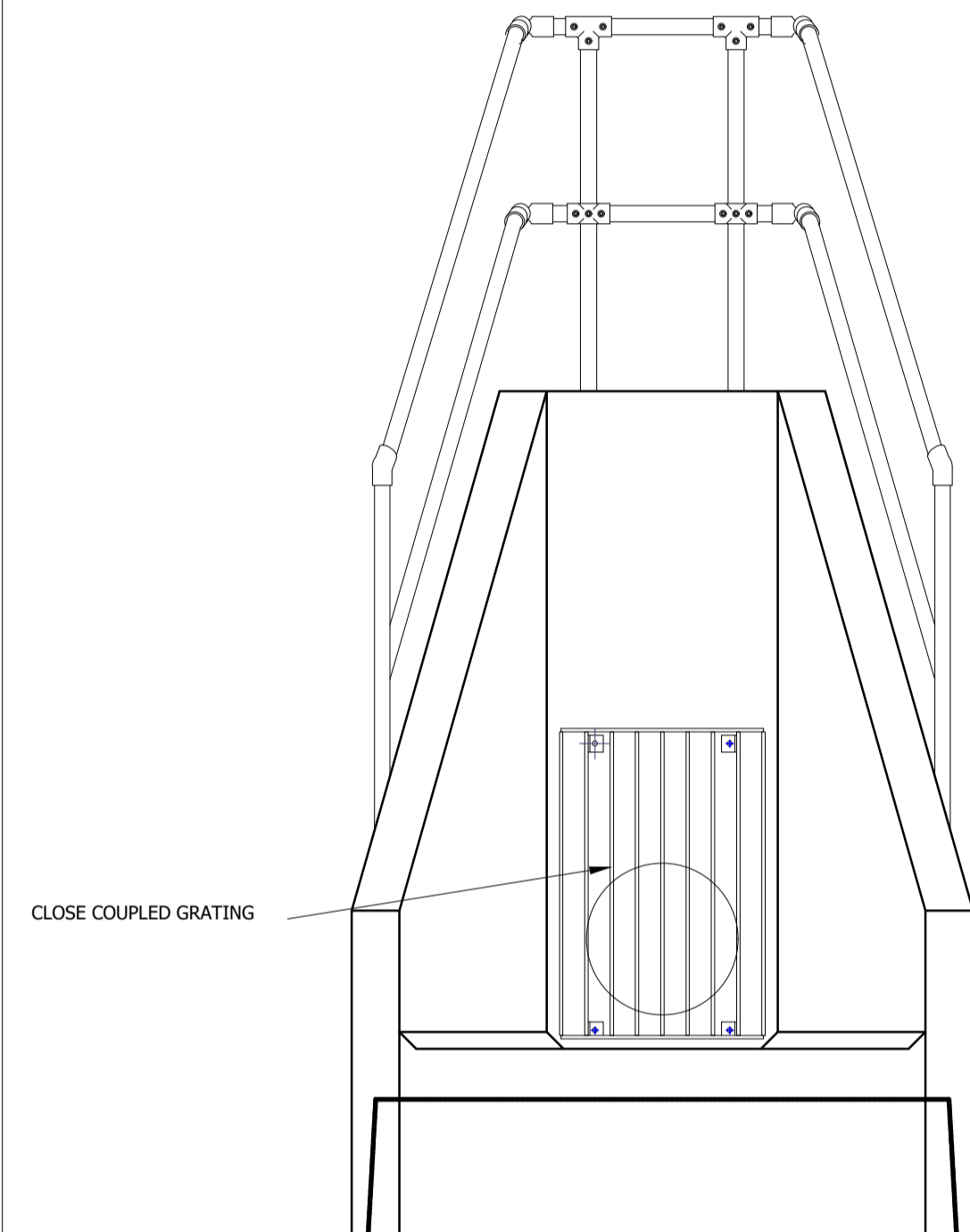
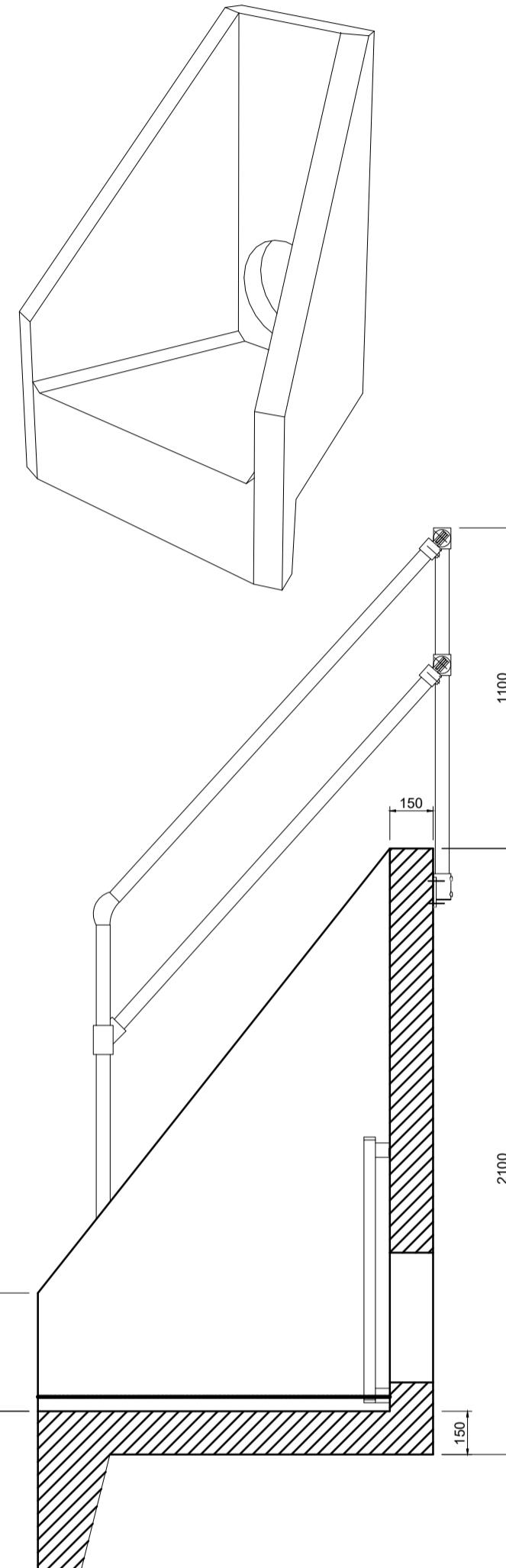


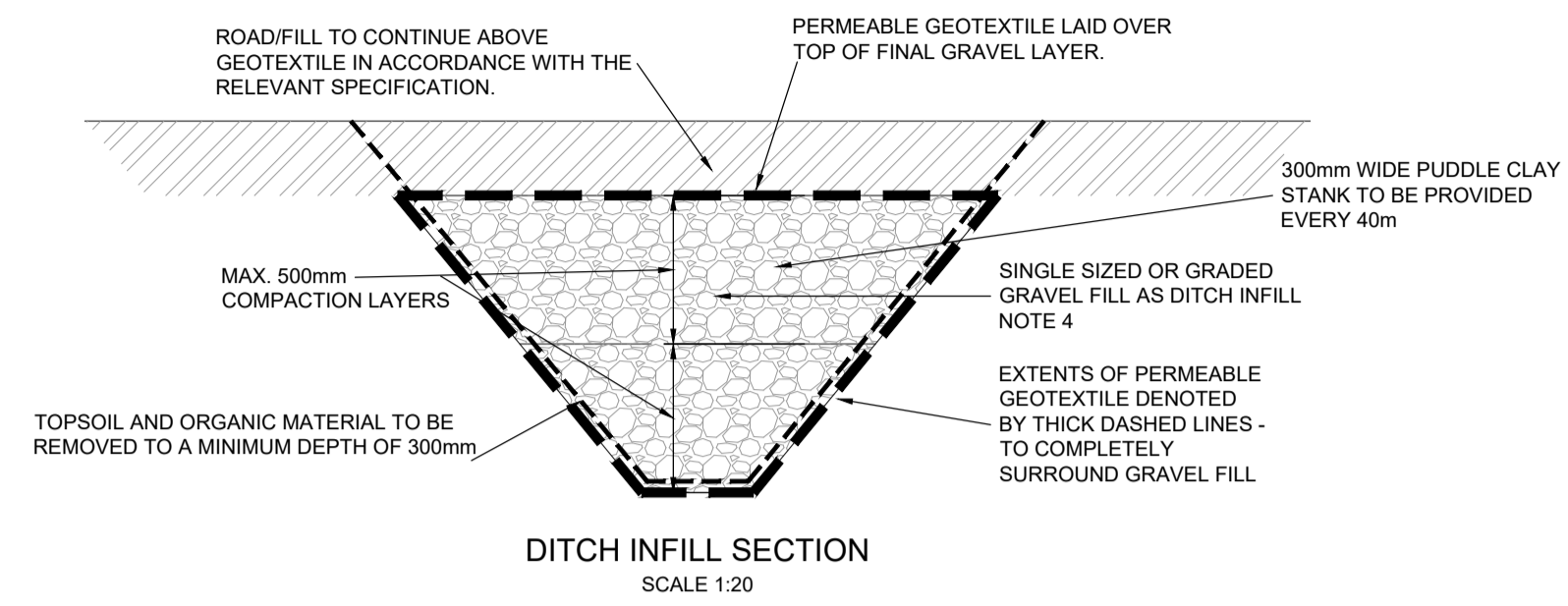
H8C C Headwall



Note: Isometric drawing is for reference only, details may not accurately represent actual design - please see detailed views for technical information



ALTHON H8C C HEADWALL + CLOSE COUPLED GRATING + 3 SIDED KEE KLAMP (225Ø)
SCALE 1:20



DITCH INFILL NOTES:

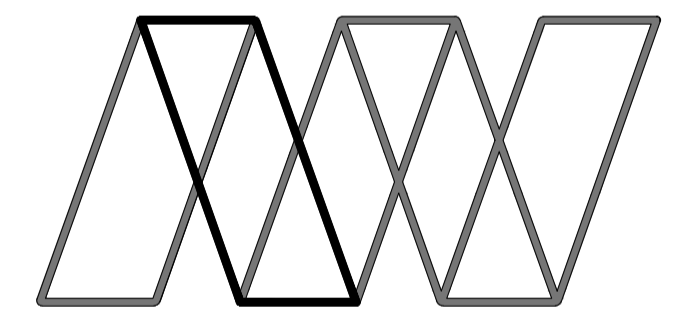
IN ORDER TO INFILL EXISTING DITCHES ON SITE, THE FOLLOWING WORKS ARE CONSIDERED NECESSARY:

- PUMP OUT ACCUMULATED WATER TO EITHER BE STORED WITHIN A TANKER TO BE TRANSPORTED OFF SITE OR TO BE DISCHARGED INTO A LOCAL SEWER IF PRIOR APPROVAL IS OBTAINED FROM YORKSHIRE WATER.
- REMOVE ANY SOFTENED MATERIAL OR SILT. EXCAVATE FORMATION LEVELS TO NATURAL GROUND BELOW THE SOFTENED BASE OF THE DITCHES.
- BENCH EXCAVATION SIDES NO STEEPER THAN 1:1.
- PLACE SINGLE SIZE, CLEAN AGGREGATE (40-50mm PEA GRAVEL OR SIMILAR TO THE SATISFACTION OF THE ENGINEER) IN THE BASE OF THE EXCAVATION IN LAYERS NOT EXCEEDING 500mm THICK, EACH PROOF ROLLED WITH A SINGLE PASS BY A DEADWEIGHT ROLLER. THE PEA GRAVEL WILL NEED TO BE PLACED IN ACCORDANCE WITH THE HIGHWAYS AGENCY, SERIES 600 (FEBRUARY 2016).
- THIS MATERIAL SHALL BE PLACED AT A LEVEL NO LESS THAN 1/3 BELOW THE HEIGHT OF THE DITCH.
- THE FINAL LAYER SHALL BE PROOF ROLLED AND A LAYER OF GEO-TEXTILE APPLIED TO PREVENT DOWNWARD MIGRATION OF FINES FROM OVERLYING FILL.
- GENERAL FILL IN ACCORDANCE WITH SERIES 600 OF THE HIGHWAYS AGENCY SPECIFICATION FOR HIGHWAYS WORKS (FEBRUARY 2016), CAN RECOMMENCE UPON COMPLETION OF THE FINAL LAYER OF SINGLE SIZE MATERIAL.
- IN SITU COMPLIANCE TESTING IN ACCORDANCE WITH THE SPECIFICATION SHALL BE COMPLETED ONCE THE DITCH IS HALF FILLED AND AGAIN ONCE THE DITCH IS FULLY FILLED ON A MINIMUM 10m SPACING ON THE FILLED SURFACE ABOVE THESE AREAS UNTIL THE REMEDIAL WORKS HAVE ACHIEVED A FORMATION LEVEL EQUAL TO THAT OF THE ADJOINING AREAS. TESTING SHALL INCLUDE PLATE LOAD TESTS.
- THE ENGINEER SHALL BE GIVEN THE OPPORTUNITY TO SUPERVISE ALL PLACEMENT OF GRANULAR FILL AND INITIAL LAYERS OF AS DUG SITE WON MATERIAL. WHERE NECESSARY, IT MAY BE PRUDENT TO USE A SUMP PUMP TO MAINTAIN A DRY EXCAVATION. THIS CAN BE MAINTAINED BY THE USE OF SLOTTED PIPE, BUT UPON COMPLETION OF THE FILL MATERIALS TO A LEVEL ABOVE 2/3 FULL, THE PIPE SHALL BE DECOMMISSIONED BY INFILLING WITH SINGLE SIZED 40-50mm PEA GRAVEL PRIOR TO ACTION 6 ABOVE.
- SHOULD IT BE ANTICIPATED THAT THE INFILLED DITCHES WILL STILL FORM PART OF THE DRAINAGE SOLUTION FOR THE SITE, A PERFORATED PIPE MAY BE PLACED AT THE BASE OF THE DITCH PRIOR TO THE INFILLING COMMENCING TO AID FLUID MOVEMENT.

NOTES:

- THESE NOTES ARE INTENDED TO AUGMENT DRAWINGS AND SPECIFICATIONS. WHERE CONFLICT OF REQUIREMENTS EXIST THE ORDER OF PRECEDENCE SHALL BE AS SHOWN IN THE SPECIFICATION, OTHERWISE THE STRICTEST PROVISION SHALL GOVERN.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS.
- DRAWINGS NOT TO BE SCALED. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER AND FURTHER INSTRUCTIONS OBTAINED BEFORE WORK IS COMMENCED.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURE AND SEQUENCE AND ENSURE THAT THE BUILDING AND ITS COMPONENTS ARE SAFE DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS WHICH MAY BE NECESSARY. SUCH MATERIAL REMAINING THE PROPERTY OF THE CONTRACTOR ON COMPLETION, AND FOR ENSURING THAT THE WORKS AND ANY ADJACENT PROPERTIES ARE SAFE IN THE TEMPORARY CONDITION.

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| C01 | FOR CONSTRUCTION | 20.05.24 | GDV | BH | BH |
| P02 | DITCH INFILL OMITTED NOTE ON INFILL UP TO ROAD FORMATION - INSTEAD REFER TO DITCH INFILL NOTE 5 | 14.12.23 | JP | JA | JAG |
| P01 | FIRST ISSUE | 30.09.22 | JP | JA | JAG |
| Rev | Description | Date | By | Chk | App |



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| Project: | LINCOLNSHIRE LAKES, SCUNTHORPE M181/B1450 HIGHWAY WORKS | | | | | |
| Client: | NORTH LINCOLNSHIRE COUNCIL | | | | | |
| Drawing: | M181 JUNCTION - DIVERSION OF EXISTING DITCHES - CONSTRUCTION DETAILS (SHEET 2) | | | | | |
| Role: | CIVIL ENGINEER | | | | | |
| Drawing Status: | FOR CONSTRUCTION | | | | | |
| Job no. | 47603 | | | | | |
| Scale@ A1: | As shown | | | | | |
| Rev. | C01 | | | | | |
| Project | Originator | Volume | Level | Type | Role | Number |
| M181 - AWP - 01 - 05 - DR - D - 0033 | | | | | | |