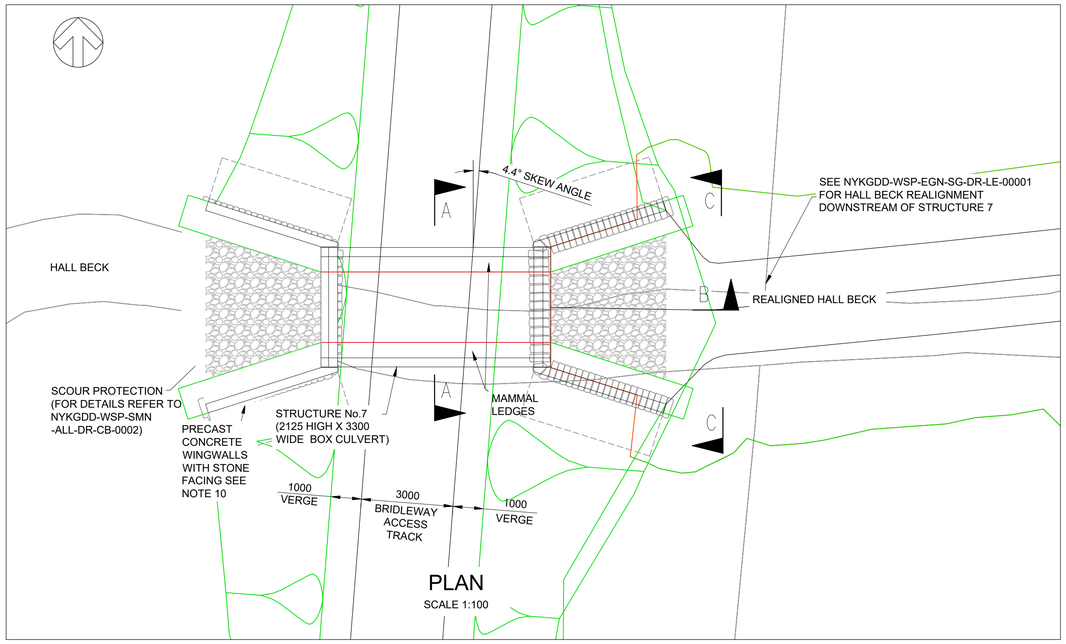
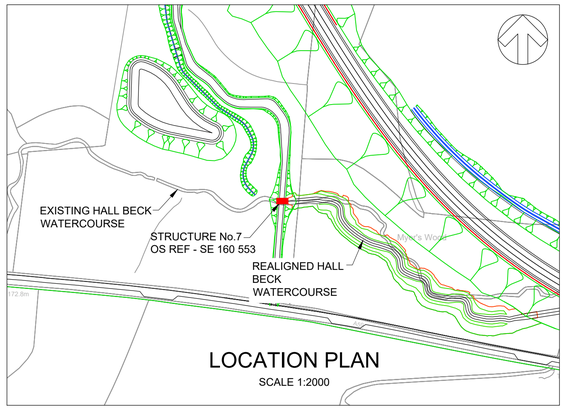


PLAN
SCALE 1:100



LOCATION PLAN
SCALE 1:2000

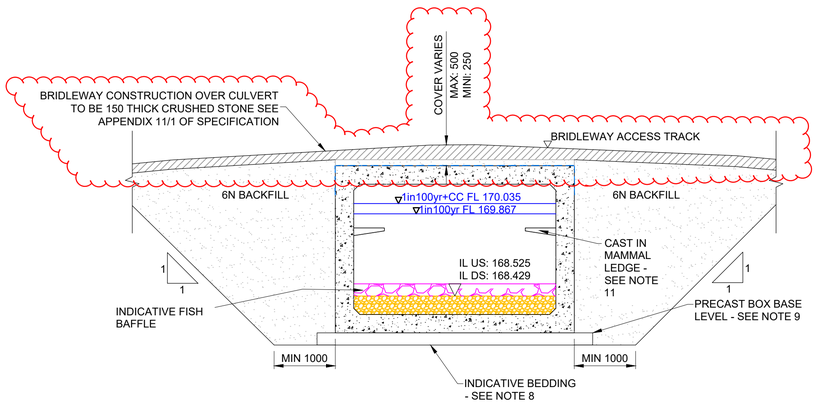
DRAWING SCHEDULE	
DRAWING NUMBER	TITLE
NYKGDD-WSP-SMN-ST007-DR-CB-0001	GENERAL ARRANGEMENT SHEET 1 OF 2
NYKGDD-WSP-SMN-ST007-DR-CB-0002	GENERAL ARRANGEMENT SHEET 2 OF 2
NYKGDD-WSP-SMN-ST007-DR-CB-0003	ST007 SETTING OUT DETAILS
NYKGDD-WSP-SMN-ALL-DR-CB-0001	TYPICAL CULVERT DETAILS SHEET 1 OF 2
NYKGDD-WSP-SMN-ALL-DR-CB-0002	TYPICAL CULVERT DETAILS SHEET 2 OF 2

INDICATIVE CONSTRUCTION SEQUENCE:

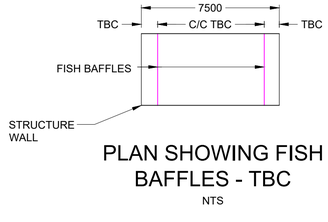
1. SET UP SITE COMPOUND
2. INSTALL HALL BECK WATERCOURSE DIVERSION TEMPORARY WORKS
3. INSTALL TEMPORARY WORKS TO SUPPORT EXCAVATION
4. EXCAVATE TO FORMATION LEVEL OF BOX CULVERT AND WINGWALLS AND INSPECT GROUND CONDITIONS
5. INSTALL PRECAST CONCRETE BOX SEGMENTS
6. INSTALL NATURAL BED AS CULVERT PROGRESS TO REDUCE CONFINED SPACE WORKING
7. INSTALL WINGWALLS TO BOTH ENDS OF THE STRUCTURE
8. RETURN WATERCOURSE TO PERMANENT CHANNEL
9. BACKFILL STRUCTURE IN A STAGED MANNER WITH HEIGHTS NOT DIFFERING BY MORE THAN 250MM ON OPPOSING SIDES
10. CONSTRUCT EMBANKMENTS AND PROPOSED BRIDLEWAY
11. INSTALL STONE CLADING AND STONE WALLS TO THE ENDS OF THE NEW CULVERT
12. COMMISSION THE NEW BRIDLEWAY

NOTE WINGWALL AND HEADWALL ARRANGEMENTS/DIMENSIONS TO BE AGREED WITH NEC PROJECT MANAGER PRIOR TO CONTRACTOR FINALISING DETAILED DESIGN.

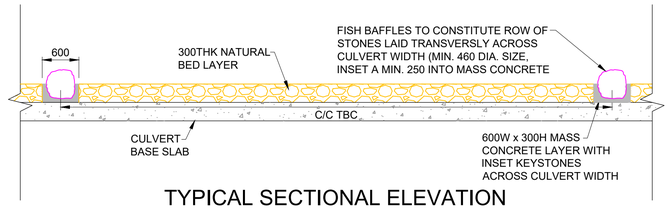
ALL CONTRACTOR DESIGNED ELEMENTS TO BE DESIGNED IN ACCORDANCE WITH APPENDIX 1/10 FOLLOWING SPECIFIED TECHNICAL APPROVAL PROCESS.



TYPICAL SECTION A-A
SCALE 1:50

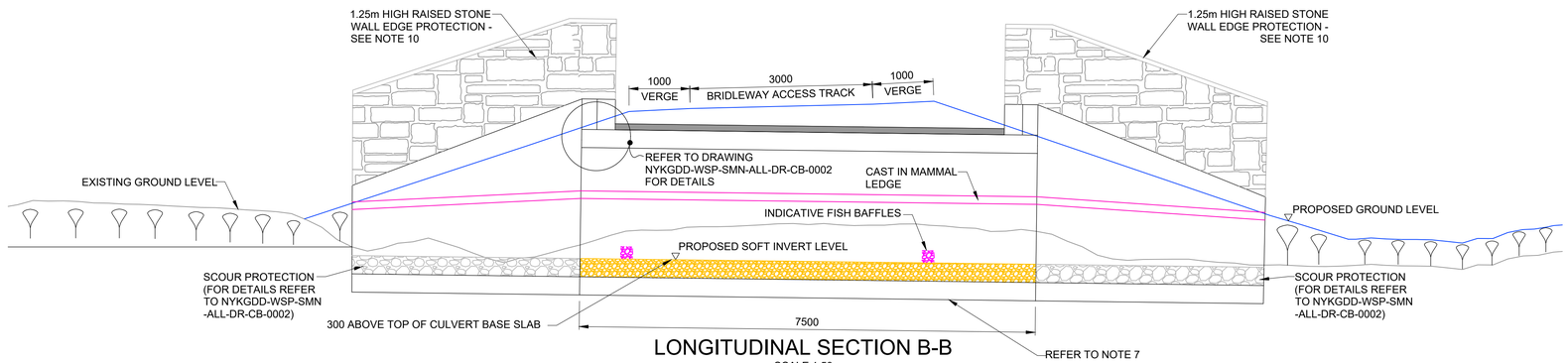


PLAN SHOWING FISH BAFFLES - TBC
NTS



TYPICAL SECTIONAL ELEVATION SHOWING FISH BAFFLE DETAILS - TBC
SCALE 1:50

C15 C60



LONGITUDINAL SECTION B-B
SCALE 1:50

NOTES

GENERAL

1. ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES AOD UNLESS NOTED OTHERWISE.
3. DO NOT SCALE FROM THIS DRAWING.
4. THE DRAWING TO BE READ IN CONJUNCTION WITH THE SPECIFICATION FOR HIGHWAY WORKS, CONTRACT-SPECIFIC APPENDICES, DRAWINGS NYKGDD-WSP-SMN-ALL-DR-CB-0001, AND NYKGDD-WSP-SMN-ALL-DR-CB-0002, AND THE DRAWINGS LISTED IN THE SCHEDULE ON THIS DRAWING.
5. THE CONTRACTOR SHALL MEASURE AND CONFIRM ALL DIMENSIONS/LEVELS THAT HAVE A DIRECT IMPACT ON THE WORKS PRIOR TO EXECUTION. IN CASE OF DOUBTS, OMISSIONS, OR ERRORS, THE CONTRACTOR NEEDS TO SEEK CLARIFICATION FROM THE NEC PROJECT MANAGER.
6. FOR THE AFFECTED AREAS PRIOR TO WORKS, THE CONTRACTOR SHALL OBTAIN UP-TO-DATE UTILITY PLANS AND CARRY OUT SURVEYS TO POSITIVELY IDENTIFY AND MARK-UP ANY UTILITY APPARATUS. REFER TO APPENDIX 1/16 FOR FURTHER INFORMATION.

GEOTECHNICAL

7. FORMATION INSPECTIONS SHALL BE UNDERTAKEN BY THE EMPLOYER'S SITE REPRESENTATIVE WHO SHALL BE A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER. THE STRUCTURE IS ASSUMED TO FOUND ON SUPERFICIAL DEPOSITS. ANY SOFT SPOTS SHALL BE EXCAVATED AND REPLACED IN ACCORDANCE WITH THE RELEVANT STANDARD EARTHWORKS DETAILS AND IN ACCORDANCE WITH THE SERIES 600 SPECIFICATION. THE DESIGNER SHALL BE INFORMED IMMEDIATELY IF FORMATION MATERIAL DIFFERS FROM THAT ASSUMED WITHIN THE DESIGN.
8. PRECAST UNITS ARE TO BE FOUNDED ON SPREAD FOOTINGS AND THEY ARE TO HAVE THE FOLLOWING BEDDING DETAILS:
   - A GRANULAR BED WITH THE LOWER 150MM BEING 6N MATERIAL AND THE UPPER 50MM BEING CLASS 6L MATERIAL AS PER MCHW SERIES 600, EXCEPT FOR CLASS 6L, ONLY THE GRADING REQUIREMENT APPLIES AND NOT THE OTHER MATERIAL PROPERTIES LISTED IN TABLE 6/1 OF MCHW (BUT THE SULPHATE REQUIREMENTS OF CLAUSE 601 STILL APPLY).
   - ALTERNATIVELY, THE LOWER 150MM MAY BE REPLACED BY A 75MM MINIMUM THICKNESS BLINDING CONCRETE COMPRISING DESIGNATED CONCRETE FND2.

   WHERE PRECAST UNITS ARE FOUNDED ON HARD MATERIAL (AS DEFINED IN BD 31) THEY SHALL BE LAID ON A TWO LAYER BED CONSISTING OF A LOWER 75MM MINIMUM BLINDING CONCRETE LAYER COMPRISING DESIGNATED CONCRETE FND2, COVERED BY AN UPPER 50MM MINIMUM GRANULAR LAYER OF CLASS 6L AS DESCRIBED ABOVE.
   ALL BEDDING OPTIONS TO BE A MIN 300MM WIDER THAN THE PRECAST ELEMENTS AT OUTER EDGES.
9. THE LEVEL OF THE BOTTOM OF PRECAST UNITS TO BE ADJUSTED BASED ON THICKNESS OF CONTRACTOR DESIGNED PRECAST BOX BOTTOM SLAB IN ORDER TO ACHIEVE STATED INVERT LEVELS (ASSSUMED 300MM SLAB THICKNESS WITH 300MM NATURAL BED SHOWN ON THIS DRAWING).

STONE FACING AND STONE WALLS

10. REFER TO DRAWING NYKGDD-WSP-SMN-ALL-DR-CB-0002 AND SPECIFICATION APP 24/1 FOR DETAILS.

ENVIRONMENTAL

11. CONTRACTOR TO DESIGN MAMMAL LEDGES IN ACCORDANCE WITH HA81/99 DESIGN STANDARD.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RESIDUAL RISKS
CONSTRUCTION
C15 - CONFINED SPACES (TANKS, TUNNELS, PITS, CULVERTS)
C60 - FLOOD RISK (PLUVIAL)

SAFETY, HEALTH AND ENVIRONMENTAL SYMBOL LEGEND

⚠ INDICATES A RESIDUAL RISK AS A WARNING

Rev.	Date	Description	By	Chk'd	App'd
C01	17/07/2023	ISSUED FOR CONSTRUCTION	SH	DM	DM

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Client: North Yorkshire County Council

Project Title: A59 KEX GILL DIVERSION

Drawing Title: A59 KEXGILL CULVERT (STR007) GENERAL ARRANGEMENT SHEET 1 OF 2

Scale	Drawn	Checked	Approved	Authorised
AS SHOWN	LS	IM	HM	HM
Original Size: A1	Date: 05/05/20	Date: 05/05/20	Date: 05/05/20	Date: 05/05/20

Drawing Status: FOR REVIEW — Suitability: S3

Drawing Number: Project NYKGDD | Originator WSP | Volume SMN | Location ST007 | Type DR | Role CB | Number 0001

Project Ref. No.

Revision: C01