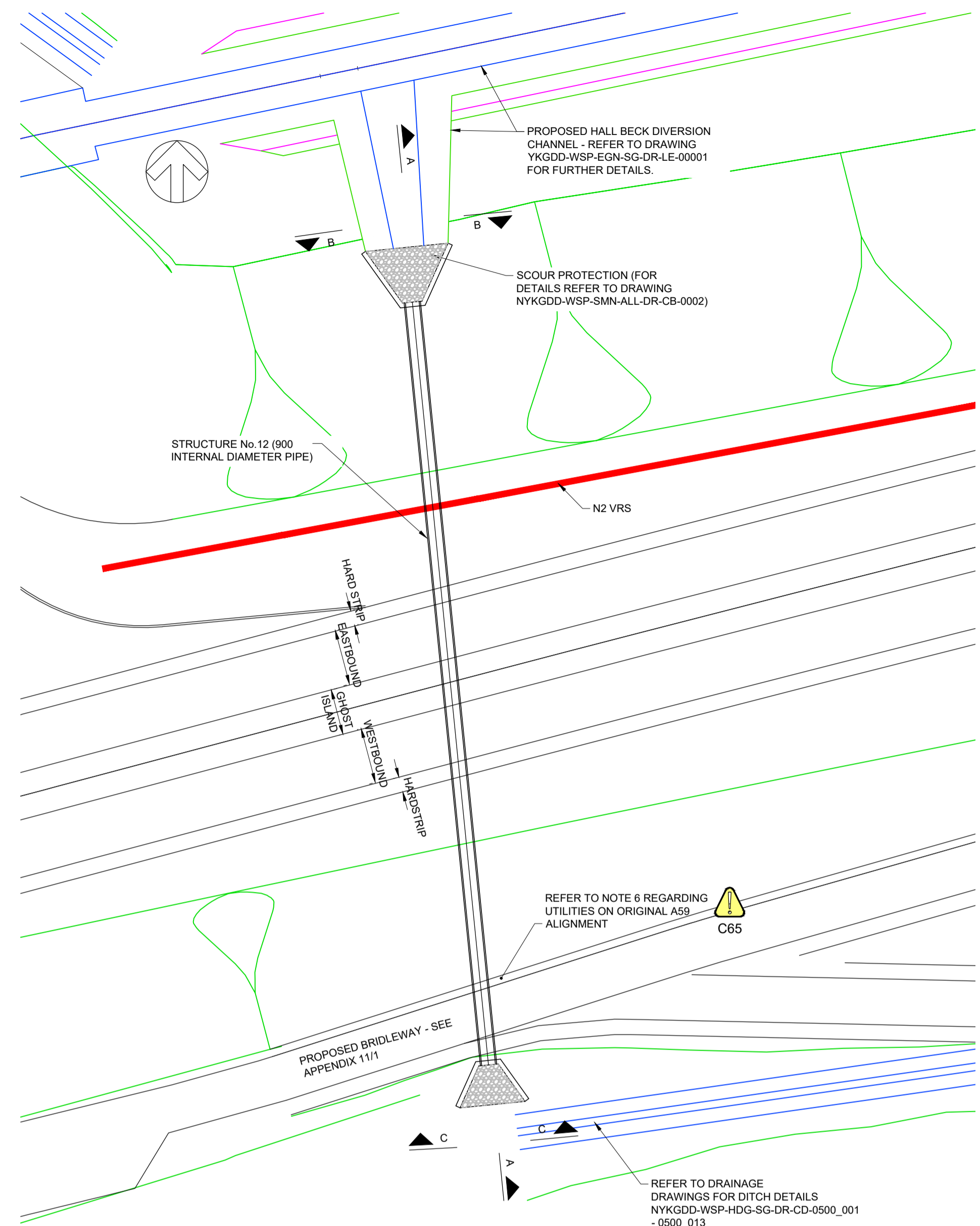
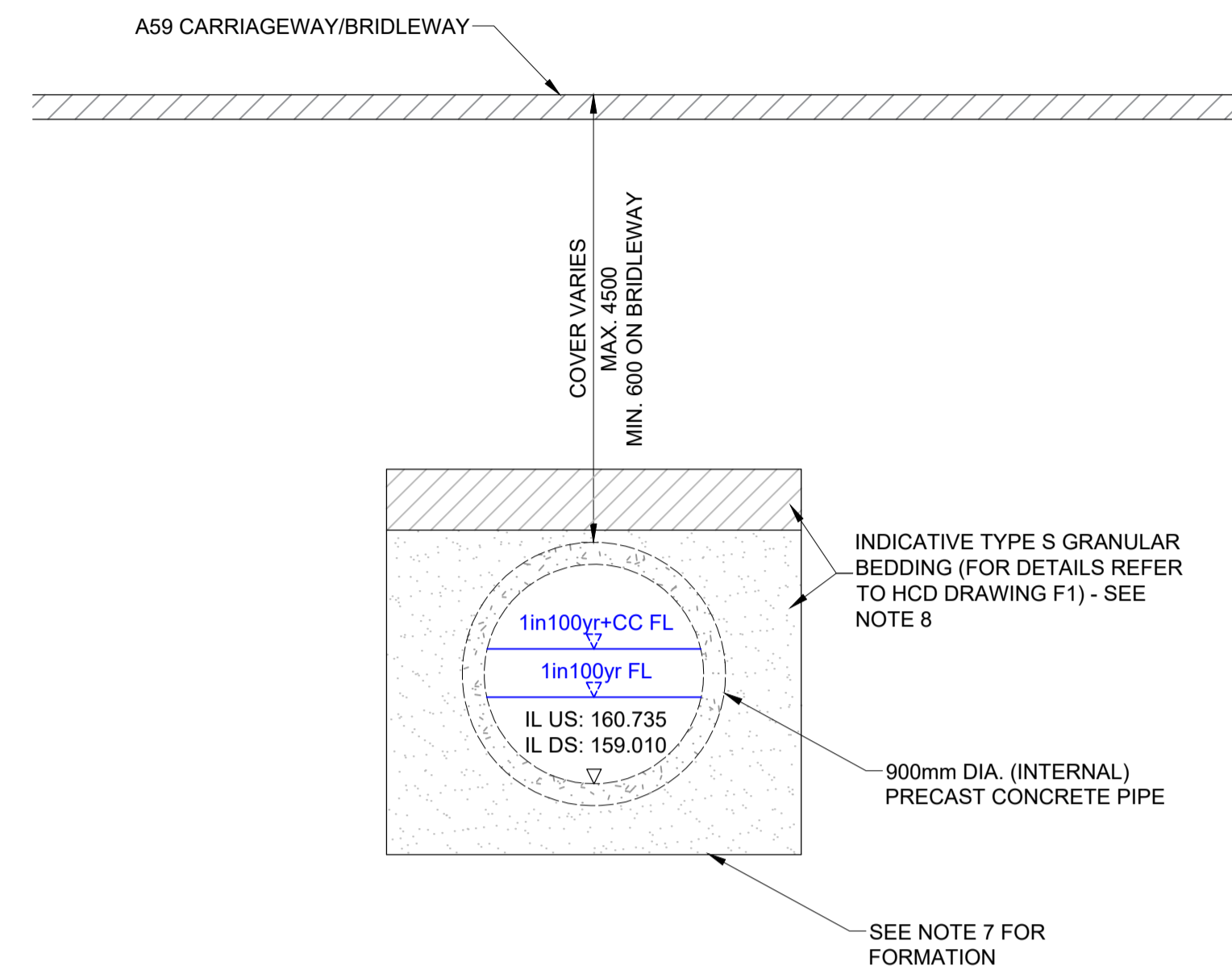


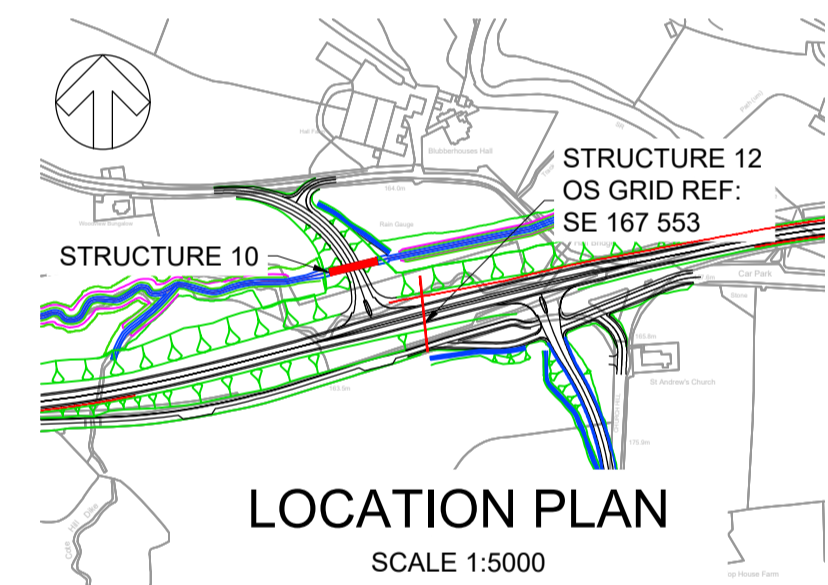
DO NOT SCALE



PLAN
SCALE 1:250



TYPICAL SECTION THROUGH STRUCTURE No. 12
SCALE 1:25



LOCATION PLAN
SCALE 1:5000

DRAWING SCHEDULE	
DRAWING NUMBER	TITLE
NYKGDD-WSP-SMN-ST012-DR-CB-0001	GENERAL ARRANGEMENT SHEET 1 OF 2
NYKGDD-WSP-SMN-ST012-DR-CB-0002	GENERAL ARRANGEMENT SHEET 2 OF 2
NYKGDD-WSP-SMN-ST012-DR-CB-0003	ST012 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:**
- SET UP SITE COMPOUND.
 - INSTALL TEMPORARY WORKS TO SUPPORT EXCAVATION UP TO BOTTOM OF THE EXISTING A59 ROAD EMBANKMENT.
 - EXCAVATE TO FORMATION LEVEL OF PIPE CULVERT AND NORTHERN HEADWALL AND INSPECT GROUND CONDITIONS.
 - INSTALL PRECAST CONCRETE PIPE CULVERT SEGMENTS UP TO EDGE OF EXISTING A59 ROAD EMBANKMENT.
 - INSTALL NORTHERN HEADWALL.
 - INSTALL DRAINAGE DITCH LINKING TO HALL BECK WATERCOURSE CHANNEL.
 - BACKFILL PARTLY INSTALLED STRUCTURE IN A STAGED MANNER.
 - CONSTRUCT NEW EMBANKMENT AND A59 CARRIAGEWAY.
 - INSTALL TIMBER FENCING AND STONE CLADDING TO THE NORTH HEADWALL.
 - INSTALL VRS TO THE NEW A59 VERGES.
 - CLOSE THE EXISTING A59 AND TRANSFER TRAFFIC TO NEWLY CONSTRUCTED A59 HIGHWAY.
 - REMOVE EXISTING A59 CARRIAGEWAY AND EXCAVATE EMBANKMENT TO FORMATION LEVEL OF PIPE CULVERT AND SOUTHERN HEADWALL.
 - INSTALL REMAINDER OF PRECAST CONCRETE PIPE CULVERT SEGMENTS.
 - INSTALL SOUTHERN HEADWALL AND INSTALL RAISED STONE WALL AND STONE CLADDING.
 - INSTALL DRAINAGE DITCHES LINKING INTO UPSTREAM OF CULVERT (SOUTHERN END).
 - BACKFILL REMAINDER OF STRUCTURE IN A STAGED MANNER.
 - RE-INSTATE EXISTING EMBANKMENT TO FORM THE PROPOSED BRIDLEWAY ACCESS TRACK.

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.

- NOTES GENERAL**
- ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE IN METRES ADD UNLESS NOTED OTHERWISE.
 - DO NOT SCALE FROM THIS DRAWING.
 - THE DRAWING TO BE READ IN CONJUNCTION WITH THE SPECIFICATION FOR HIGHWAY WORKS, CONTRACT-SPECIFIC APPENDICES, AND THE DRAWINGS LISTED IN THE SCHEDULE ON THIS DRAWING.
 - 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.
 - 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**
- FORMATION INSPECTIONS SHALL BE UNDERTAKEN BY THE EMPLOYER'S SITE REPRESENTATIVE WHO SHALL BE A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER. THE STRUCTURE IS ASSUMED TO BE 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 NEC PROJECT MANAGER SHALL BE INFORMED IMMEDIATELY IF FORMATION MATERIAL DIFFERS FROM THAT ASSUMED WITHIN THE DESIGN.
- PIPE BEDDING AND SURROUND**
- THE CONTRACTOR SHALL DESIGN THE PIPE BEDDING IN ACCORDANCE WITH THE APPROVAL IN PRINCIPLE FOR THIS STRUCTURE. THE PIPE BEDDING CHOSEN SHOULD TAKE INTO ACCOUNT THE TRENCH WIDTH OF THE PIPE INSTALLATION (THE BEDDING SHOWN ON THIS DRAWING IS INDICATIVE).
- STONE FACING AND STONE WALLS**
- REFER TO DRAWING NYKGDD-WSP-SMN-ALL-DR-CB-0002 AND SPECIFICATION APP 24/1 FOR DETAILS.
- CONTRACTOR DESIGNED ELEMENTS**
- PRECAST ELEMENTS SHOWN ON THIS DRAWING ARE INDICATIVE. CULVERT WALL THICKNESS, WINGWALL DIMENSIONS, HEADWALL DIMENSIONS, AND SPLAY ANGLES ARE TO BE DETERMINED BY THE CONTRACTOR FOR THEIR DESIGN.

SAFETY, HEALTH AND ENVIRONMENTAL SYMBOL LEGEND

INDICATES A RESIDUAL RISK AS A WARNING

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RESIDUAL RISKS

Code	Description	Residual Risk
C15	CONFINED SPACES (TANKS, TUNNELS, PITS, CULVERTS)	High
C60	FLOOD RISK (PLUVIAL)	Medium
C65	UNDERGROUND TELECOM	Low

Rev.	Date	Description	By	Chk'd	App'd
001	21/07/2023	FOR CONSTRUCTION ISSUE	SH	DM	DM

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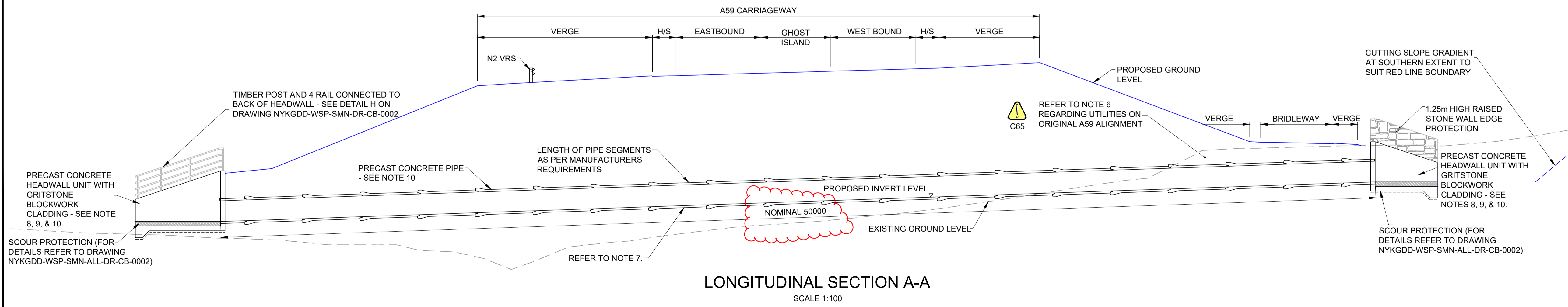
North Yorkshire County Council

Client
North Yorkshire County Council

Project Title
A59 KEX GILL DIVERSION

Drawing Title
A59 KEXGILL CULVERT (ST012) GENERAL ARRANGEMENT SHEET 1 OF 2

Scale	Drawn	Checked	Approved	Authorised
AS SHOWN	LS	IM	HM	HM
Original Size	Date	Date	Date	Date
A1	05/05/20	05/05/20	05/05/20	05/05/20
Drawing Status	FOR REVIEW			Suitability
				S3
Drawing Number	Project	Originator	Volume	Project Ref. No.
NYKGDD	ST012	WSP	SMN	
Location	Type	Role	Number	Revision
ST012	DR	CB	0001	C01



LONGITUDINAL SECTION A-A
SCALE 1:100

C15 C60 C65