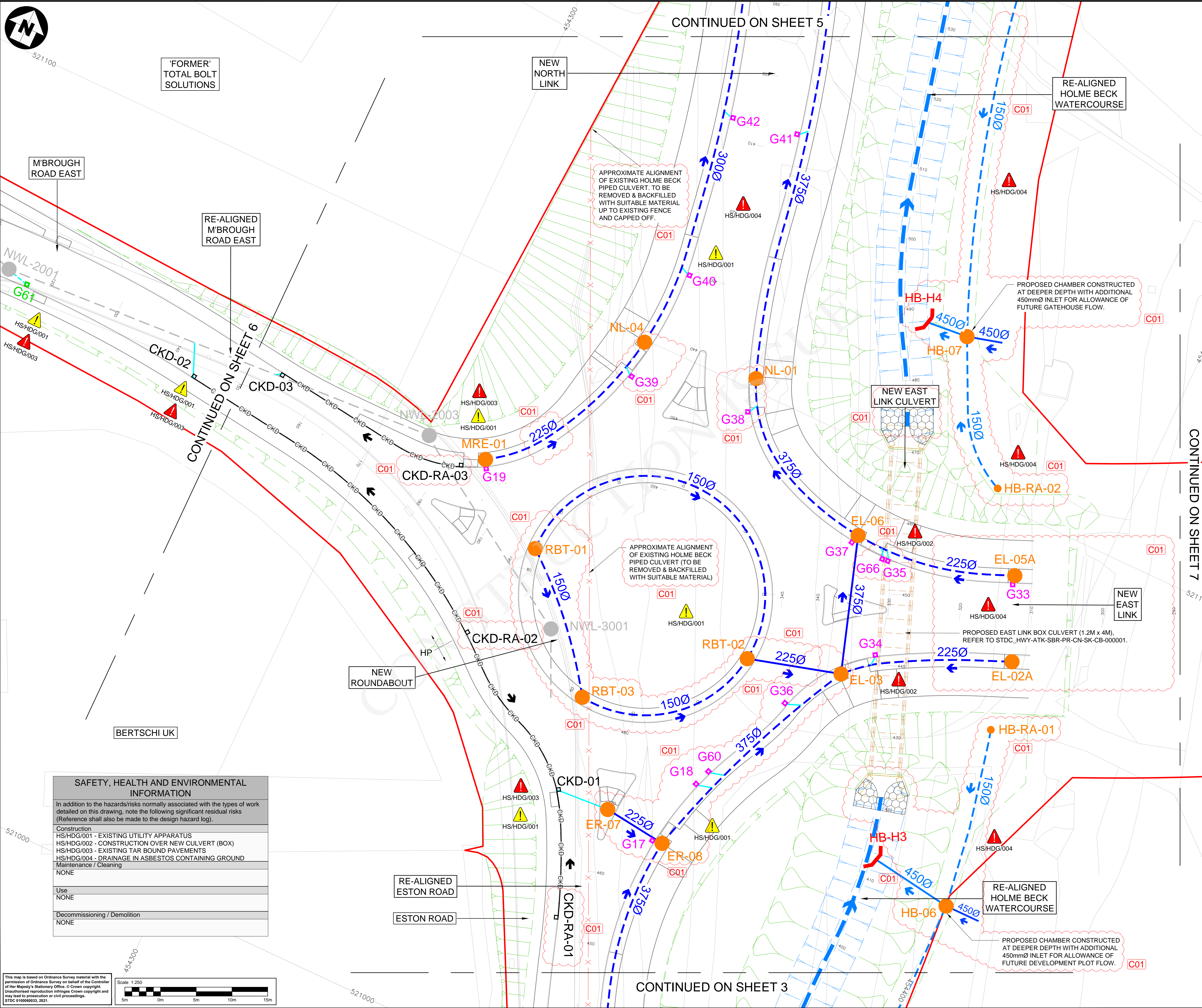


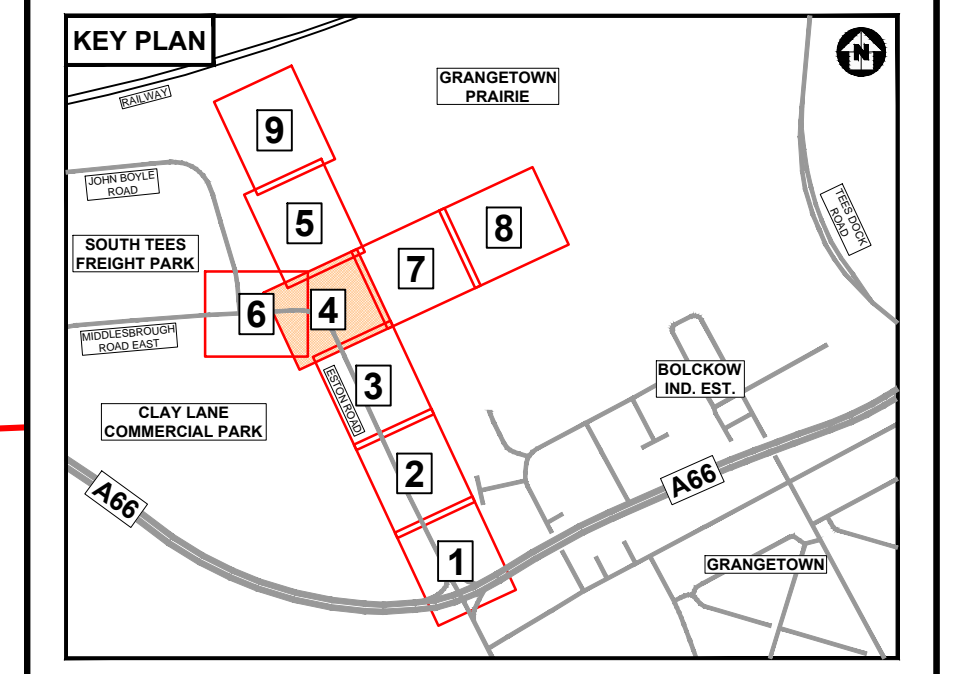
DO NOT SCALE

Millimetres

0 10 100



- NOTES:**
- DO NOT SCALE FROM THIS DRAWING.
 - ALL PIPE DIAMETERS ARE IN MM.
 - FOR KEY & GENERAL SCHEME NOTES, REFER TO STDC_HWY-ATK-HDG-PR-DR-CD-000001
 - ALL CHAMBERS TO BE TYPE 7 CATCHPITS TO HCD F11.
 - ALL GULLIES TO BE TRAPPED TO HCD F13.
 - UTILITY ROUTES SHOWN ARE INDICATIVE - PLEASE REFER TO PUBLIC UTILITIES DRAWING SERIES 'UIT' TO IDENTIFY ANY APPARATUS SHOWN ON THIS DRAWING.
 - DRAINAGE HAS BEEN DESIGNED TO HIGHWAYS ALIGNMENT DESIGN MODEL 'P09'.
 - REFER TO DESIGN RISK REGISTER FOR RESIDUAL HEALTH & SAFETY RISKS.
 - FOR DETAILS OF BOX CULVERTS REFER TO DRAWINGS: STDC_HWY-ATK-SBR-PR_CN-SK-CB-000001 AND STDC_HWY-ATK-SBR-PR_CN-SK-CB-000002.
 - ALL DIMENSIONS ARE INDICATIVE AND ARE TO BE CONFIRMED PRIOR TO CONSTRUCTION ISSUE.
 - BOX CULVERT SECTION IS BASED UPON AGREED LEAD LOCAL FLOOD AUTHORITY (RCBC) AGREED DIMENSIONS.
 - CULVERT HEADWALL (INLET & OUTLET) ARRANGEMENT TO BE DETERMINED AS CONTRACTOR DESIGNED. ALLOWANCE SHOULD BE MADE FOR GRADIENT OF WATERCOURSE EARTHWORKS TIE-INS AS SHOWN.
 - DETAILED DESIGN MAY CHANGE PARAMETERS. CONFIRMATION OF LEVELS TO BE PROVIDED UPON COMPLETION OF EXISTING DRAINAGE SURVEYS AND SUBSEQUENT DESIGN OF THE PROPOSED HOLME BECK WATERCOURSE.
 - ALL STRUCTURE WORKS TO BE IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES AND ADHERE TO TEES VALLEY DESIGN GUIDE.
 - FOR HOLME BECK WATERCOURSE INFORMATION & GROUNDWATER FILTER PIPES, REFER TO DRAWING SERIES: STDC_HWY-ATK-HDG-PR_XS-DR-CD-000001 TO 000003.
 - ALL EXISTING GULLIES SHOWN TO BE REPLACED SHALL REQUIRE EXISTING GULLY CONNECTION PIPES TO BE ASSESSED FOR CONDITION PRIOR TO CONSTRUCTION.



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
FOR AGREEMENT	S3	P01	CE	J R	AF	---	07/12/20
ISSUED FOR REVIEW AND COMMENT	S3	P02	CE	J R	MT	---	06/02/21
UPDATED FOR DESIGN CHANGES FOR CONSTRUCTION ISSUE	A3	C01	MT	DS	DMA	DS	21/05/21

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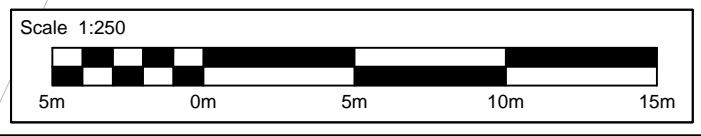
Client: **SOUTH TEES DEVELOPMENT CORPORATION**
 Project Title: **DETAILED DESIGN of ESTON ROAD HIGHWAYS SCHEME PROPOSED DRAINAGE LAYOUT SHEET 4 OF 9**

Drawing Number	Project	Originator	Volume
STDC_HWY - ATK - HDG - PR - DR - CD - 000005			
Original Size: A1	Scale: 1:250	Project Ref. No: 5198022	Sheet: 4 of 9
Rev: C01			

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 (Reference shall also be made to the design hazard log).

Construction	Use	Decommissioning / Demolition
HS/HDG/001 - EXISTING UTILITY APPARATUS	NONE	NONE
HS/HDG/002 - CONSTRUCTION OVER NEW CULVERT (BOX)	NONE	NONE
HS/HDG/003 - EXISTING TAR BOUND PAVEMENTS	NONE	NONE
HS/HDG/004 - DRAINAGE IN ASBESTOS CONTAINING GROUND	NONE	NONE
Maintenance / Cleaning		
NONE		



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