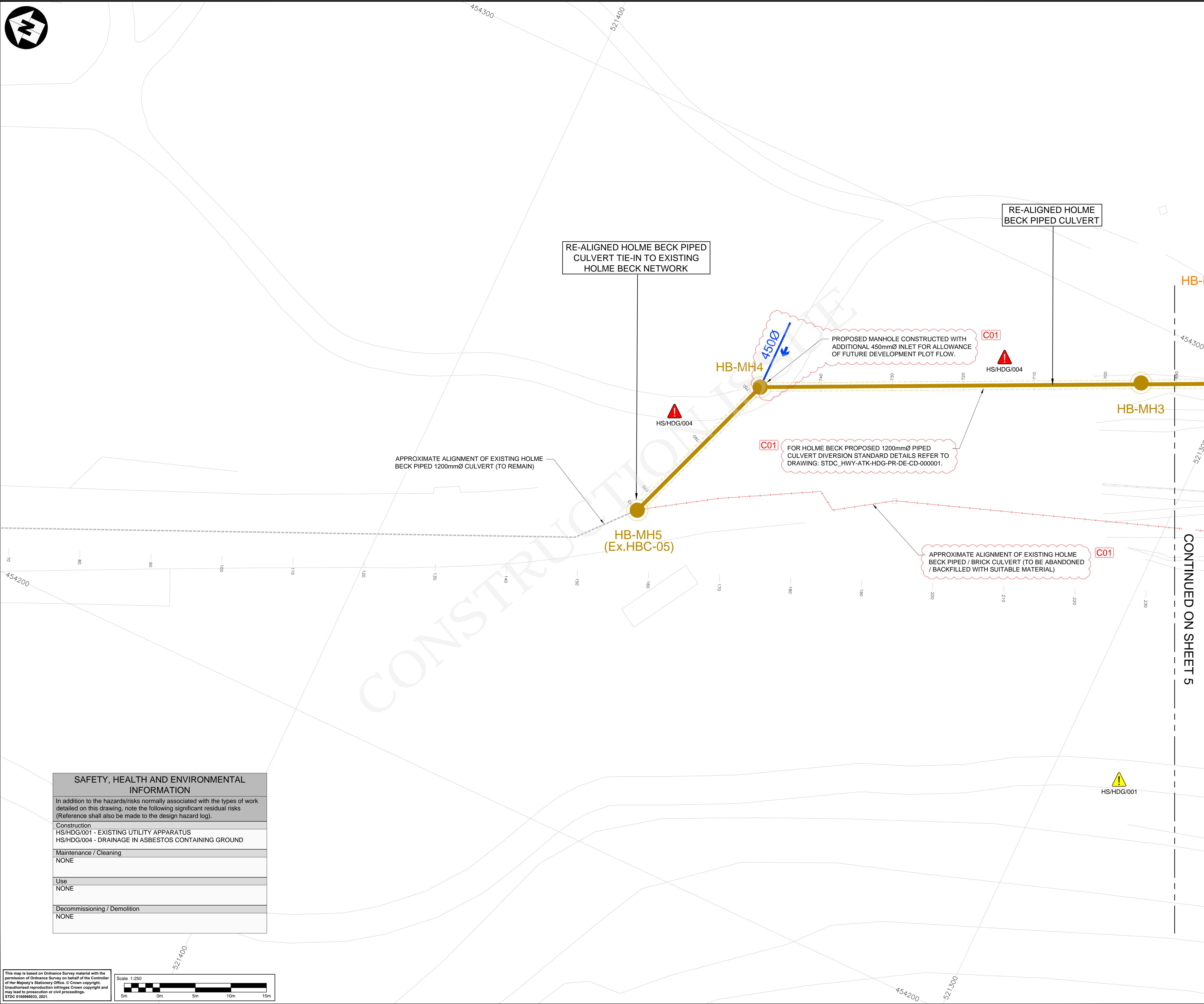
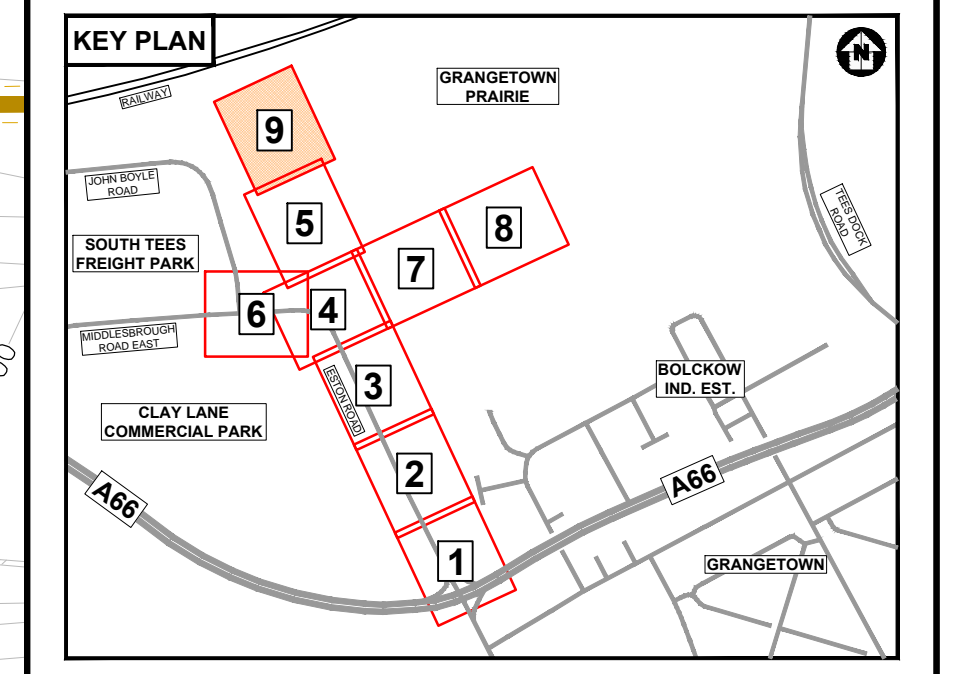


DO NOT SCALE

0 10 100  
Millimetres



- 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 'VUT' 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
ISSUED FOR REVIEW AND COMMENT	S3	P01	CE	JR	MT	---	06/02/21
UPDATED FOR DESIGN CHANGES FOR CONSTRUCTION ISSUE	A3	C01	MT	DS	DMA	DS	21/05/21

APPROVED - CONSTRUCTION A3

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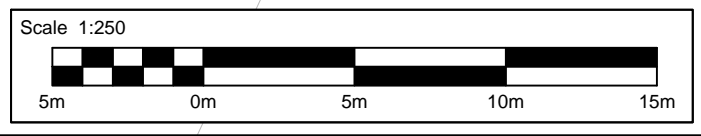
Client: SOUTH TEES DEVELOPMENT CORPORATION  
 Project Title: DETAILED DESIGN of ESTON ROAD HIGHWAYS SCHEME PROPOSED DRAINAGE LAYOUT SHEET 9 OF 9

Drawing Number	STDC_HWY - ATK - HDG - PR - DR - CD - 000010
Project	PR - DR - CD - 000010
Location	
Original Scale	A1
Scale	1:250
Project Ref. No.	5198022
Sheet	9 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	HS/HDG/001 - EXISTING UTILITY APPARATUS HS/HDG/004 - DRAINAGE IN ASBESTOS CONTAINING GROUND
Maintenance / Cleaning	NONE
Use	NONE
Decommissioning / Demolition	NONE



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