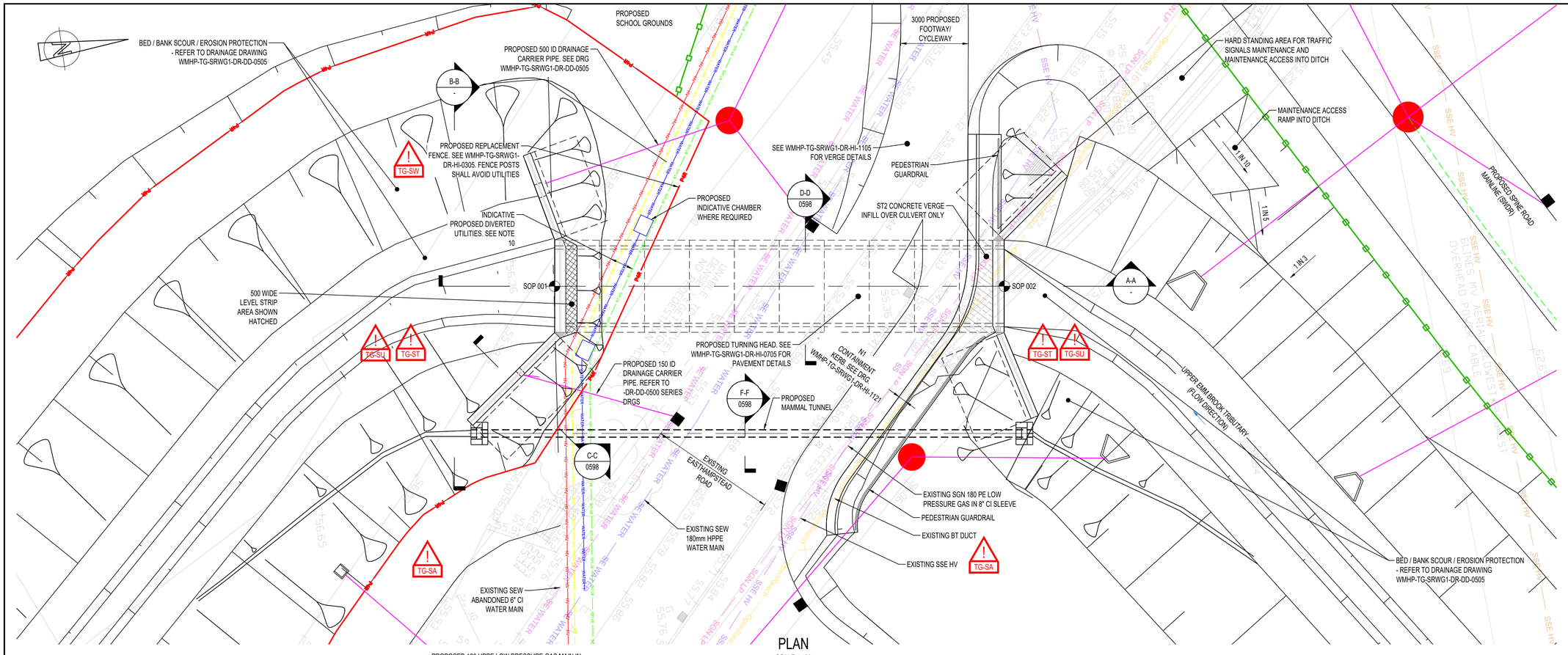
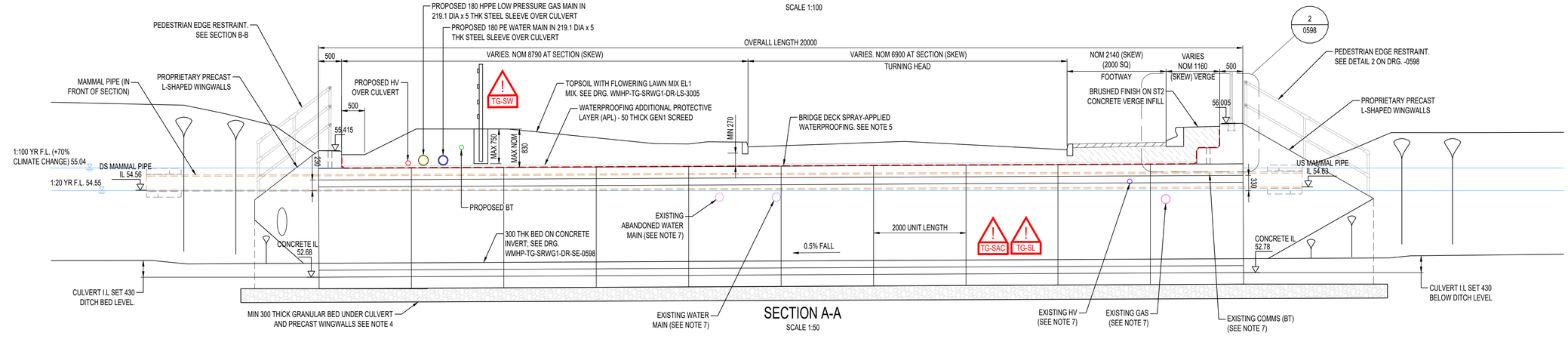
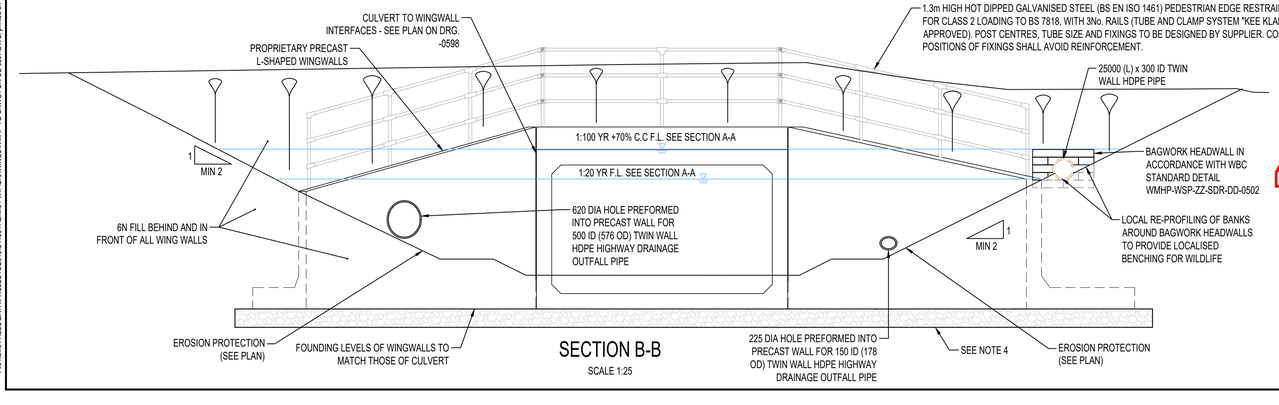


PLAN
SCALE 1:100



SECTION A-A
SCALE 1:50



SECTION B-B
SCALE 1:25

RESIDUAL HAZARD	STAGE	SUGGESTED CONTROL MEASURE
PLACING FILL INSIDE CULVERT-CONFINED SPACE TG-SAC	C	CONTRACTOR TO PLACE FILL SEGMENTALLY AS THE CULVERT UNITS ARE PLACED.
STRIKING OF SERVICES WHILST INSTALLING BAGWORK PINS AND FENCE POSTS TG-SW	C	SERVICES TO BE SCANNED AT LOCATIONS OF BAGWORK HEADWALLS AND FENCE POSTS PRIOR TO INSTALLATION OF BAGWORK ANCHOR PINS / FENCE POSTS
ENCOUNTERING GROUNDWATER IN EXCAVATION TG-SU	C/D	CONTRACTOR TO IMPLEMENT SUITABLE WATER MANAGEMENT MEASURES AS NECESSARY

SIGNIFICANT RESIDUAL HAZARDS

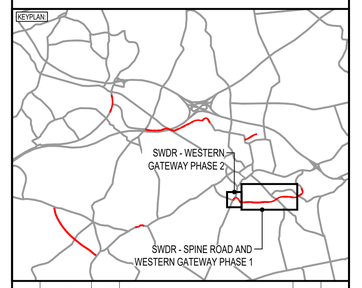
RESIDUAL HAZARD	STAGE	SUGGESTED CONTROL MEASURE
ACCESS INSIDE BOX CULVERTS - WORKING IN / AROUND WATER TG-SL	M	REMOTE METHODS OF INSPECTION TO BE USED AS FIRST METHOD. ENTRY TO ONLY OCCUR WHERE ABSOLUTELY NECESSARY. WATER ISOLATION METHODS (E.G. TEMPORARY DAM) TO BE CONSIDERED IN CONJUNCTION WITH LOW FLOW WARM, DRY WEATHER CONDITIONS, WITH EMERGENCY RESCUE PLAN READY TO BE IMPLEMENTED.
PRESENCE OF BURIED SERVICES TG-SA	C/D	SERVICES SHOWN BASED ON C2 SEARCHES. CONTRACTOR TO CARRY OUT FURTHER SURVEYS AND SCANS TO CONFIRM POSITION OF SERVICES PRIOR TO CONSTRUCTION.
UNEXPLODED ORDNANCE TG-ST	C/D	"LOW RISK" CATEGORY IDENTIFIED BY "1ST LINE DEFENCE" DESK STUDY RA. UXO RISK MANAGEMENT PLAN AND SITE SPECIFIC UXO AWARENESS BRIEFINGS TO BE GIVEN TO ALL PERSONNEL CONDUCTING INTRUSIVE WORKS

NOTE: The above hazards do not include every hazard or assumption, but identify significant residual construction hazards that are not likely to be obvious to a competent contractor and those that could be difficult to manage effectively. Refer also to the designer's risk documentation.

DO NOT SCALE

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES AOD UNLESS NOTED OTHERWISE.
3. CULVERT UNITS TO BE CE-MARKED TO BS EN 14844 WITH SPIGOT AND SOCKET JOINTING BETWEEN UNITS. PRECAST WINGWALL UNITS TO BE CE-MARKED TO BS EN 15258. UNITS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. DESIGN SHALL BE IN ACCORDANCE WITH THIS DRAWING, DRGS. -0598, -0599 AND THE AIP DOCUMENT (WMHP-TG-SRGW1-RP-SE-0596).
4. FORMATION LEVEL TO BE INSPECTED AND ANY SOFT AREAS (WHERE UNDRAINED SHEAR STRENGTH Cu < 30 kPa) TESTED IN ACCORDANCE WITH EARTHWORKS SPECIFICATION WMHP-TG-SRWG1-SP-GE-0601 WITH HAND SHEAR VANE TESTING. SOFT AREAS TO BE DUG AND REPLACED WITH MIN 300 THK CLASS 6A SELF-COMPACTING GRANULAR FILL WHERE WORKING IN GROUND WATER, OTHERWISE CLASS 6N FILL TO EARTHWORKS SPECIFICATION WMHP-TG-SRWG1-SP-GE-0601 GENERALLY. THIS IS TO BE OVERLAIN BY 300 THK CLASS 6N BEDDING UNDERNEATH CULVERT AND WINGWALLS.
5. SPRAY-APPLIED WATERPROOFING TO COMPLY WITH APPENDIX 20/1 (WMHP-TG-SRWG1-SP-SE-2000). WATERPROOFING TERMINATION AND JOINTING DETAILS TO BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. TERMINATION AT TAPED EDGE ASSUMED. 1st APPLICATION OF WATERPROOFING (TO ENABLE UTILITIES TO BE DIVERTED OVER CULVERT UNITS) TO BE LAPPED WITH 2nd APPLICATION BY MIN OF 150mm OR AS REQUIRED BY WATERPROOFING MANUFACTURER AND SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS. FORMED "F3" (OR OTHER) MOULD FINISH TO BE WATER-JETTED BY THE PRECASTER OR OTHER METHOD IN ACCORDANCE WITH SHW 1708.4 TO ACHIEVE U4 FINISH PRIOR TO WATERPROOFING APPLICATION.
6. 1 IN 100 YEAR FLOOD LEVEL BASED ON FLOOD MODELLING BY WSP SHOWN ON DRG. 66439-CUL-001 REV A, DATED 30/09/20.
7. EXISTING UTILITIES INFORMATION TAKEN FROM WSP DRAWING WMHP-WSP-SR-DR-UT-0001 BASED ON C2 SEARCH INFORMATION. DEPTHS SHOWN IN SECTION ARE INDICATIVE ONLY BASED ON NJUG VOL 1 ISSUE 9 "STREET WORKS UK GUIDANCE ON THE POSITIONING AND COLOUR CODING OF UNDERGROUND UTILITIES' APPARATUS". THE CONTRACTOR SHALL UNDERTAKE FURTHER SURVEYS, SCANS AND TRIAL HOLES TO CONFIRM AND LOCATE UTILITIES PRIOR TO CONSTRUCTION.
8. EXISTING BACKGROUND INFORMATION TAKEN FROM SURVEY FILE "XTOPOSURVEY" BY MURPHY SURVEYS, COMMISSIONED BY WSP, SUPPLIED BY WBC, AND FILE "XTOPO_ALL" SUPPLIED BY WSP. CONTRACTOR TO VERIFY ITS ACCURACY PRIOR TO CONSTRUCTION.
9. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWINGS WMHP-TG-SRWG1-DR-SE-0596,-0598,-0599 AND WMHP-TG-SRWG1-DR-DD-0534. REFER TO DRG. -SE-0599 FOR STANDARD DETAILS AND -DD-0534 FOR LOCATION PLAN.
10. FINAL UTILITIES DIVERSION ALIGNMENTS TO BE CONFIRMED BY CONTRACTOR IN CONJUNCTION WITH STATUTORY UNDERTAKERS FOLLOWING C3, C4 STAGES.

KEYPLAN



REV	DATE	BY	DESCRIPTION	CHK	APP
0	0	0	0	0	0
0	0	0	0	0	0
P07	13/06/2025	NL	UPDATED TO ADDRESS PLANNING COMMENTS	WA	KL

DRAWING STATUS: SUITABLE FOR APPROVAL — S5

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PROJECT:
WOKINGHAM MAJOR HIGHWAYS PROGRAMME
SPINE ROAD AND WESTERN GATEWAY PHASE 1

TITLE:
CULVERT C
STRUCTURE REFERENCE: 3105
GENERAL ARRANGEMENT
SHEET 1

SCALE @ A1:	CHECKED:		APPROVED:
AS SHOWN	JC		CMF
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
C118047	WA	TCH	August 21

DRAWING No: WMHP-TG-SRWG1-DR-SE-0597 — REV: P07

File name P:\BLO\DATA\PROJECTS\2018\C118047\BIM\01-WIP\DRAWINGS\WMHP-TG-SRWG1-DR-SE-0597.DWG, printed on 18 June 2025 18:55:34, by KI1