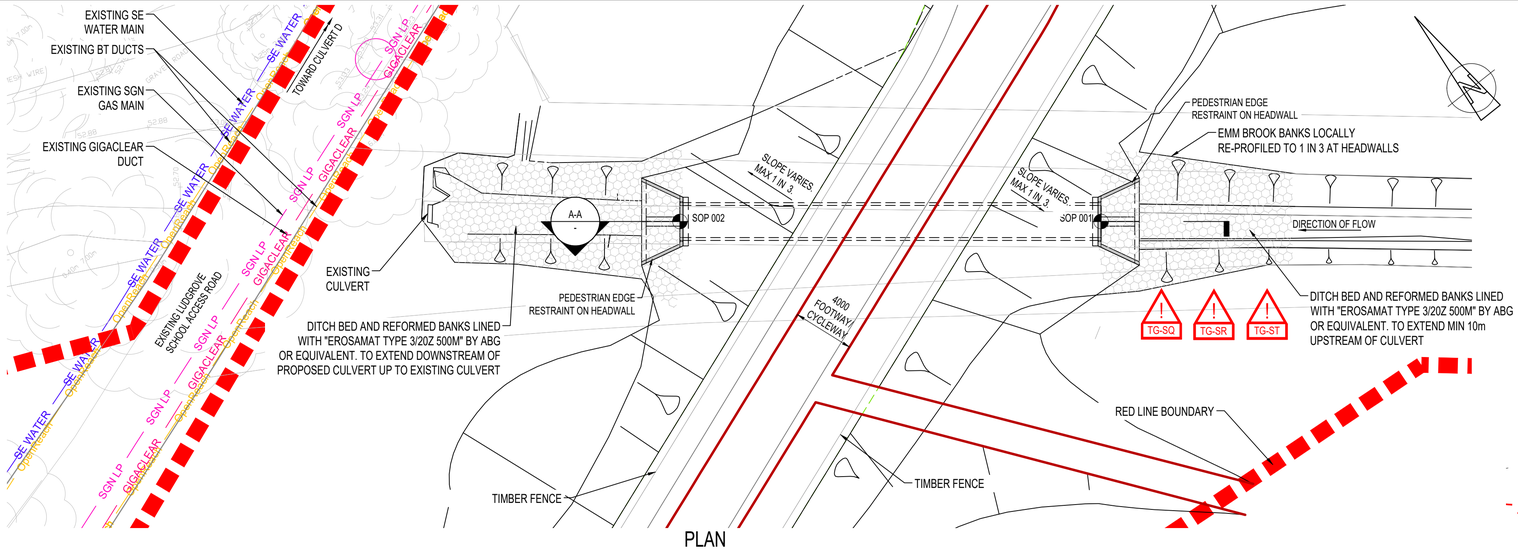
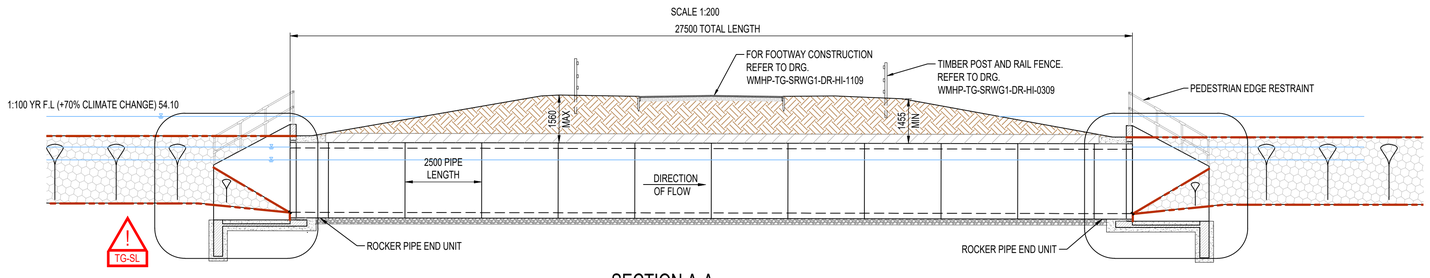


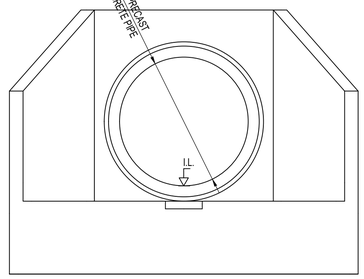

## PLAN

SCALE 1:200




## SECTION A-A

SCALE 1:100



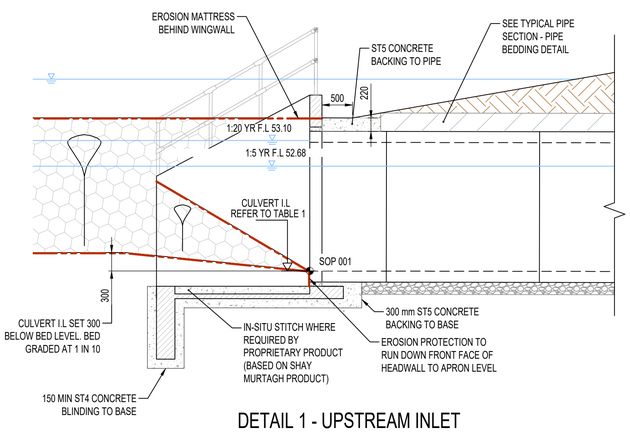

## HEADWALL ELEVATION

(PEDESTRIAN EDGE RESTRAINT NOT SHOWN)

SCALE 1:50

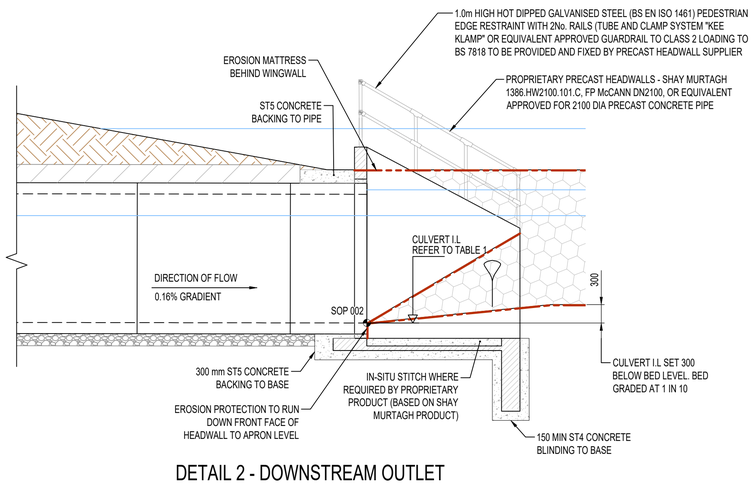
| SETTING OUT COORDINATES | | | |
|---|---|---|---|
| SOP No. | EASTING | NORTHING | LEVEL |
| SOP 001 | 482121.131 | 167499.976 | 50.970 |
| SOP 002 | 482099.556 | 167517.030 | 50.927 |

TABLE 1



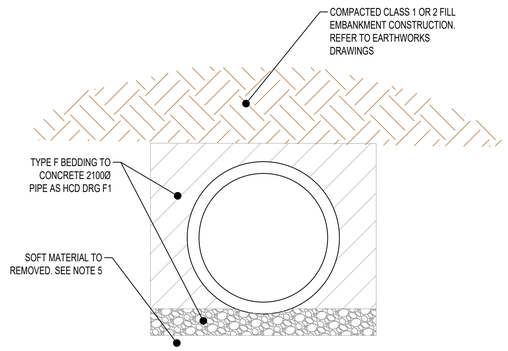

## DETAIL 1 - UPSTREAM INLET

SCALE 1:50



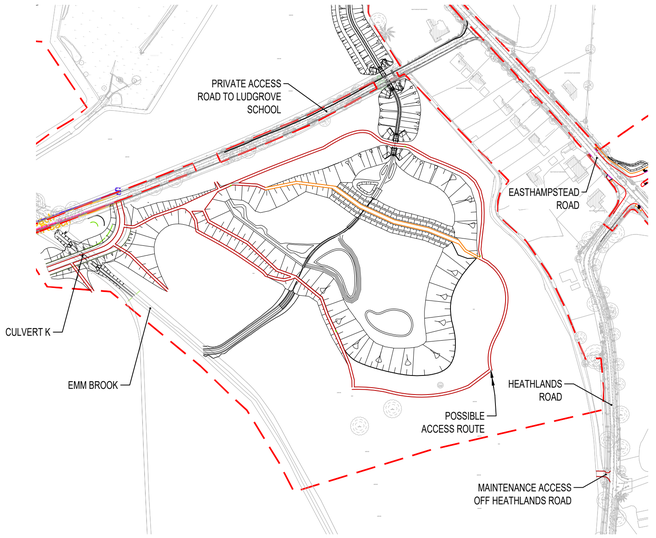

## DETAIL 2 - DOWNSTREAM OUTLET

SCALE 1:50




## TYPICAL PIPE SECTION - PIPE BEDDING DETAIL

SCALE 1:50



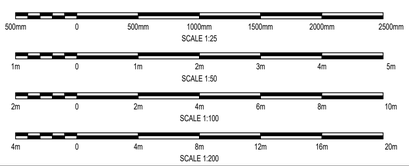

## KEY PLAN

SCALE 1:2500

## SIGNIFICANT RESIDUAL HAZARDS

| RESIDUAL HAZARD | STAGE | SUGGESTED CONTROL MEASURE |
|---|---|---|
| ACCESS INSIDE CULVERT - 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. |
| POSSIBLE PRESENCE OF BURIED SERVICES (TG-SQ) | C/D | SEARCH RESULTS HAVE INDICATED NO SERVICES IN CULVERT LOCATION (SEE NOTE 7). HOWEVER, CONTRACTOR TO CONFIRM VIA LATEST STATUTORY UNDERTAKERS' SEARCHES AND SCAN AREA PRIOR TO CONSTRUCTION |
| WORKING ADJACENT TO STREAM AND POTENTIALLY IN GROUNDWATER / FLOOD RISK (TG-SR) | C/M/D | SUGGEST TEMPORARY DIVERSION OF EXISTING STREAM WITH TEMPORARY PUMP OR OTHER GROUNDWATER MANAGEMENT METHODS. CONTRACTOR TO MONITOR FORECASTS AND REGISTER FOR EA FLOOD ALERTS TO MANAGE RISK OF FLOODING |
| 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.

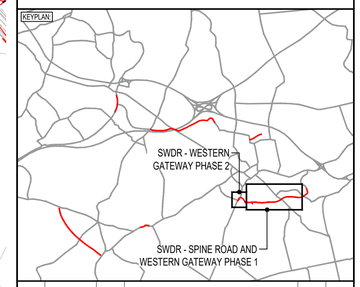



## DO NOT SCALE

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES AOD UNLESS NOTED OTHERWISE.
3. CONCRETE PIPES TO BE CE-MARKED TO BS EN 1916. PIPES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. PRECAST HEADWALL TO BE DESIGNED BY PRECASTER BASED ON BS EN1992-1-1 AND SHALL BE IN ACCORDANCE WITH BS EN13369.
5. 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 WATER, OTHERWISE CLASS 1 GRANULAR FILL TO EARTHWORKS SPECIFICATION WMHP-TG-SRWG1-SP-GE-0601.
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. THE CONTRACTOR SHALL UNDERTAKE FURTHER SURVEYS, SCANS AND TRIAL HOLES TO CONFIRM AND LOCATE UTILITIES PRIOR TO CONSTRUCTION. SEE RESIDUAL HAZARD TG-SQ.
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. EMM BROOK INFORMATION IN LOCATION OF CULVERT TAKEN FROM SURVEY FILE "SD20583-01_Emm Brook_Topo 3D_FINAL" BY TECHNICS. CONTRACTOR TO VERIFY SURVEY ACCURACY PRIOR TO CONSTRUCTION.
9. REFER TO DRG. WMHP-TG-SRWG1-DR-DD-0534 FOR LOCATION PLAN.

KEYPLAN




| REV | DATE | BY | DESCRIPTION | CHK | APP |
|---|---|---|---|---|---|
| P03 | 01/11/2021 | WA | TAA COMMENTS ADDRESSED | KL | CMF |
| P02 | 09/08/2021 | WA | DETAILED DESIGN | KL | JC |
| P01 | 17/05/2021 | BPH | FIRST ISSUE | WA | CMF |

DRAWING STATUS: SUITABLE FOR REVIEW & COMMENT S3


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

TITLE:
SANG PIPE CULVERT K
STRUCTURE REFERENCE: 3108

| SCALE @ A1: | CHECKED: | APPROVED: | |
|---|---|---|---|
| AS SHOWN | KL | CMF | |
| PROJECT NO: | DESIGNED: | DRAWN: | DATE: |
| C118047 | WA | TCH | June 21 |

DRAWING No: WMHP-TG-SRWG1-DR-SE-0576 REV: P03

File name PABLO/DATA/PROJECTS/C118047/BIM01-WIP/DRAWINGS/WMHP-TG-SRWG1-DR-SE-0576.DWG, printed on 02 November 2021 13:39:10, by KI1