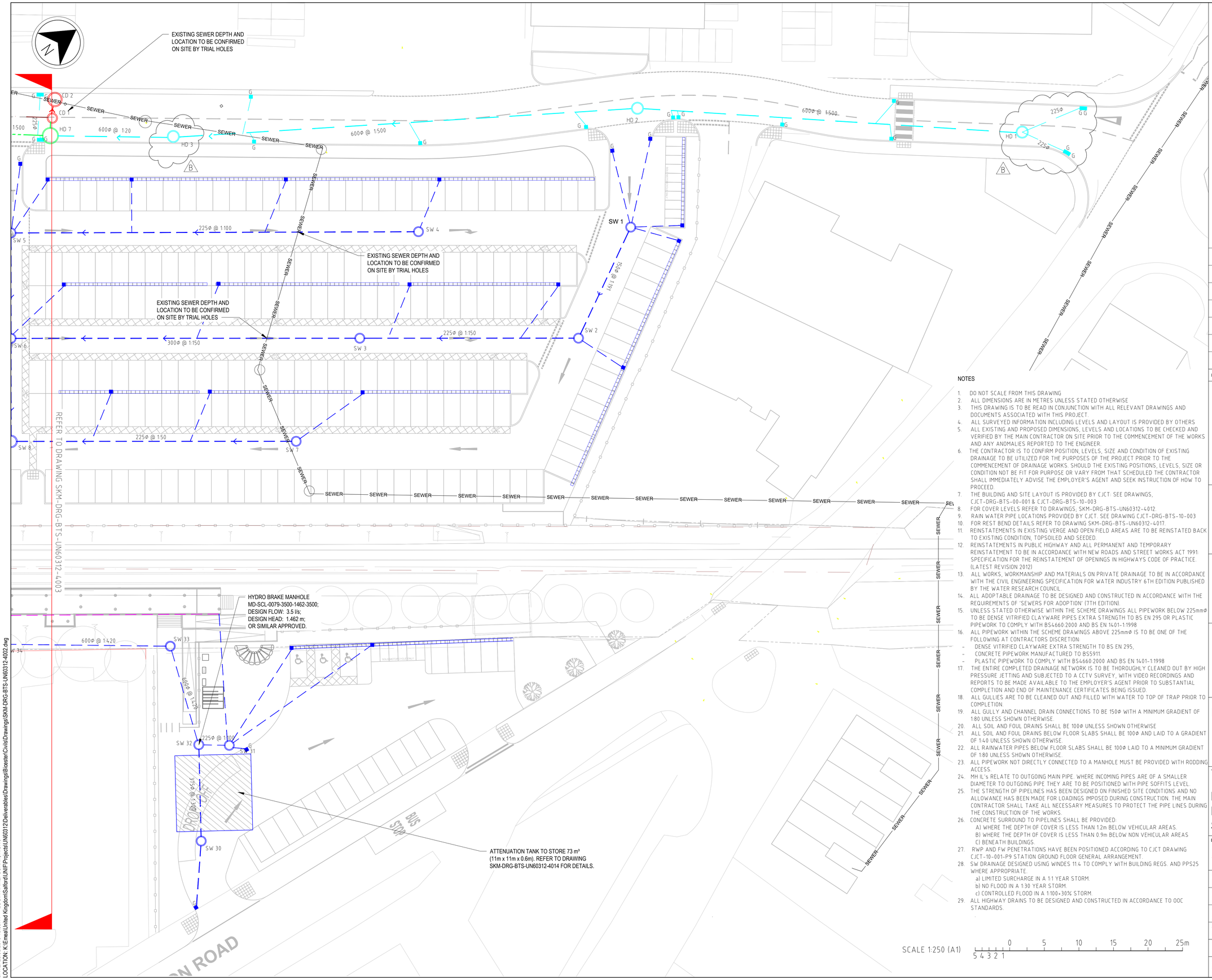

KEY

- PROPOSED SURFACE WATER SEWER FOR ADOPTION BY OCC
- PROPOSED SURFACE WATER DRAIN
- PROPOSED FOUL WATER DRAIN
- PROPOSED SURFACE WATER FOR ADOPTION BY THAMES WATER
- PROPOSED COMBINED SEWER FOR ADOPTION BY THAMES WATER
- PROPOSED LINEAR DRAINAGE
- PROPOSED LOCATION OF ATTENUATION TANK
- PROPOSED CATCHPIT MANHOLE
- PROPOSED LOCATION OF BYPASS SEPARATOR
- SEWER — EXISTING PUBLIC SEWER
- G — GULLY TO BE ADOPTED BY OCC
- G — PRIVATE GULLY
- UNDER-SLUNG PLATFORM DRAINAGE

⚠ FOR RISKS AND HAZARDS SEE DESIGNER'S HAZARD CHECKLIST AND HAZARD ELIMINATION SCHEDULE

REV	DATE	DRAWN	REV'D	APP'D	REVISION
B	28.08.15	NC	GC	EG	REVISIONS, WHERE INDICATED, AS PER OCC COMMENTS
A	12.08.15	NC	GC	EG	APPROVED FOR CONSTRUCTION

NOTES

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND DOCUMENTS ASSOCIATED WITH THIS PROJECT.
4. ALL SURVEYED INFORMATION INCLUDING LEVELS AND LAYOUT IS PROVIDED BY OTHERS.
5. ALL EXISTING AND PROPOSED DIMENSIONS, LEVELS AND LOCATIONS TO BE CHECKED AND VERIFIED BY THE MAIN CONTRACTOR ON SITE PRIOR TO THE COMMENCEMENT OF THE WORKS AND ANY ANOMALIES REPORTED TO THE ENGINEER.
6. THE CONTRACTOR IS TO CONFIRM POSITION, LEVELS, SIZE AND CONDITION OF EXISTING DRAINAGE TO BE UTILIZED FOR THE PURPOSES OF THE PROJECT PRIOR TO THE COMMENCEMENT OF DRAINAGE WORKS. SHOULD THE EXISTING POSITIONS, LEVELS, SIZE OR CONDITION NOT BE FIT FOR PURPOSE OR VARY FROM THAT SCHEDULED THE CONTRACTOR SHALL IMMEDIATELY ADVISE THE EMPLOYER'S AGENT AND SEEK INSTRUCTION OF HOW TO PROCEED.
7. THE BUILDING AND SITE LAYOUT IS PROVIDED BY CJCT. SEE DRAWINGS, CJCT-DRG-BTS-00-001 & CJCT-DRG-BTS-10-003
8. FOR COVER LEVELS REFER TO DRAWINGS; SKM-DRG-BTS-UN60312-4012.
9. RAIN WATER PIPE LOCATIONS PROVIDED BY CJCT. SEE DRAWING CJCT-DRG-BTS-10-003
10. FOR REST BEND DETAILS REFER TO DRAWING SKM-DRG-BTS-UN60312-4017.
11. REINSTATEMENTS IN EXISTING VERGE AND OPEN FIELD AREAS ARE TO BE REINSTATED BACK TO EXISTING CONDITION, TOPSOILED AND SEEDED.
12. REINSTATEMENTS IN PUBLIC HIGHWAY AND ALL PERMANENT AND TEMPORARY REINSTATEMENT TO BE IN ACCORDANCE WITH NEW ROADS AND STREET WORKS ACT 1991: SPECIFICATION FOR THE REINSTATEMENT OF OPENINGS IN HIGHWAYS CODE OF PRACTICE. (LATEST REVISION 2012)
13. ALL WORKS, WORKMANSHIP AND MATERIALS ON PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE CIVIL ENGINEERING SPECIFICATION FOR WATER INDUSTRY 6TH EDITION PUBLISHED BY THE WATER RESEARCH COUNCIL.
14. ALL ADOPTABLE DRAINAGE TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF 'SEWERS FOR ADOPTION' (7TH EDITION).
15. UNLESS STATED OTHERWISE WITHIN THE SCHEME DRAWINGS ALL PIPEWORK BELOW 225mmΦ TO BE DENSE VITRIFIED CLAYWARE PIPES EXTRA STRENGTH TO BS EN 295 OR PLASTIC PIPEWORK TO COMPLY WITH BS4660:2000 AND BS EN 1401-1:1998.
16. ALL PIPEWORK WITHIN THE SCHEME DRAWINGS ABOVE 225mmΦ IS TO BE ONE OF THE FOLLOWING AT CONTRACTORS DISCRETION:
    - DENSE VITRIFIED CLAYWARE EXTRA STRENGTH TO BS EN 295,
    - CONCRETE PIPEWORK MANUFACTURED TO BS5911.
    - PLASTIC PIPEWORK TO COMPLY WITH BS4660:2000 AND BS EN 1401-1:1998.
17. THE ENTIRE COMPLETED DRAINAGE NETWORK IS TO BE THOROUGHLY CLEANED OUT BY HIGH PRESSURE JETTING AND SUBJECTED TO A CCTV SURVEY, WITH VIDEO RECORDINGS AND REPORTS TO BE MADE AVAILABLE TO THE EMPLOYER'S AGENT PRIOR TO SUBSTANTIAL COMPLETION AND END OF MAINTENANCE CERTIFICATES BEING ISSUED.
18. ALL GULLIES ARE TO BE CLEANED OUT AND FILLED WITH WATER TO TOP OF TRAP PRIOR TO COMPLETION.
19. ALL GULLY AND CHANNEL DRAIN CONNECTIONS TO BE 150Φ WITH A MINIMUM GRADIENT OF 1:80 UNLESS SHOWN OTHERWISE.
20. ALL SOIL AND FOUL DRAINS SHALL BE 100Φ UNLESS SHOWN OTHERWISE.
21. ALL SOIL AND FOUL DRAINS BELOW FLOOR SLABS SHALL BE 100Φ AND LAID TO A GRADIENT OF 1:40 UNLESS SHOWN OTHERWISE.
22. ALL RAINWATER PIPES BELOW FLOOR SLABS SHALL BE 100Φ LAID TO A MINIMUM GRADIENT OF 1:80 UNLESS SHOWN OTHERWISE.
23. ALL PIPEWORK NOT DIRECTLY CONNECTED TO A MANHOLE MUST BE PROVIDED WITH RODDING ACCESS.
24. MH IL's RELATE TO OUTGOING MAIN PIPE. WHERE INCOMING PIPES ARE OF A SMALLER DIAMETER TO OUTGOING PIPE THEY ARE TO BE POSITIONED WITH PIPE SOFFITS LEVEL.
25. THE STRENGTH OF PIPELINES HAS BEEN DESIGNED ON FINISHED SITE CONDITIONS AND NO ALLOWANCE HAS BEEN MADE FOR LOADINGS IMPOSED DURING CONSTRUCTION. THE MAIN CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT THE PIPE LINES DURING THE CONSTRUCTION OF THE WORKS.
26. CONCRETE SURROUND TO PIPELINES SHALL BE PROVIDED:
    A) WHERE THE DEPTH OF COVER IS LESS THAN 1.2m BELOW VEHICULAR AREAS.
    B) WHERE THE DEPTH OF COVER IS LESS THAN 0.9m BELOW NON VEHICULAR AREAS
    C) BENEATH BUILDINGS.
27. RWP AND FW PENETRATIONS HAVE BEEN POSITIONED ACCORDING TO CJCT DRAWING CJCT-10-001-P9 STATION GROUND FLOOR GENERAL ARRANGEMENT.
28. SW DRAINAGE DESIGNED USING WINDES 11.4 TO COMPLY WITH BUILDING REGS. AND PPS25 WHERE APPROPRIATE.
    a) LIMITED SURCHARGE IN A 1:1 YEAR STORM.
    b) NO FLOOD IN A 1:30 YEAR STORM.
    c) CONTROLLED FLOOD IN A 1:100+30% STORM.
29. ALL HIGHWAY DRAINS TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE TO OOC STANDARDS.

KEY PLAN

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CLIENT

carillion | BUCKINGHAM Group Contracting

PROJECT

EAST WEST RAIL

TITLE

BICESTER TOWN STATION
DRAINAGE LAYOUT
SHEET 1 OF 2

DRAWING STATUS

APPROVED FOR CONSTRUCTION

DRAWN: PV	DRAWING CHECK: CL
DESIGNED: PV	DESIGN REVIEW: AS
REVIEWED: A. SWIFT	DATE: 06.08.14
APPROVED: E. GLEAVES	DATE: 05.08.14
SCALE (A1): 1:250	
DRAWING No: SKM-DRG-BTS-UN60312-4002	REV: B

A1

DATE: 28/08/2015 15:39:44 LOGIN NAME: CURRY, NICK J
LOCATION: K:\Emea\United Kingdom\Salford\UNIP\Projects\UN60312\Deliverables\Drawings\Bicester\Civils\Drawings\SKM-DRG-BTS-UN60312-4002.dwg