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DRAINAGE NOTES:

1. Do not scale.

2. Refer to all other Project Drawings and supporting notes.

3. All adoptable drainage works to be constructed as detailed in Design and Construction Guidance or as stipulated in the Water Authorities Addendum.

4. All public sewers are to be the subject of a Section 104 agreement of the Water Industry Act 1991.

5. Invert levels of existing manholes, and sewers are to be checked on site before construction commences and results reported to engineers.

6. The Contractor is responsible for maintaining continuity of flow for all existing sewers within the site boundary and limit of works for the duration of the project.

7. All drainage networks to comply with BS EN 12434, and be stamped with BS Kitemark. Covers to suit loading as below:

- Carriageways and Roads - D400
- Driveways and Verges - C250
- Footways and Pedestrian Areas - B125
- Gardens/Landscaping - A15

8. All sewer pipes, up to, and including 600mm are to be unvented clay or PVC-U to BS EN252 and BS EN404 respectively. All sewer pipes 675mm diameter and above to be concrete pipes to BS EN12434.

9. All drainage shall be installed and tested strictly in accordance with the Manufacturer's printed instructions, BS EN 752, BS EN 1601, Local Water Authority requirements and the Building Regulations.

10. All bedding shall be Class 5 unless noted otherwise.

11. All trenches under existing and proposed public highways are to be backfilled with thoroughly compacted Type 1 granular sub-base material.

12. Drainage laid beneath roads and areas of vehicular access (car parking etc) with less than 1200mm of cover shall be encased in concrete bed and surround with associated movement joints. Drainage laid beneath paths, footways and pedestrian areas, with less than 500mm of cover shall be similarly treated.

13. Chambers with outgoing pipes greater than 600mm diameter shall be fitted with guard bars, safety chains or other approved safety devices.

14. The use of precast concrete products made with sulphate resisting cement is mandatory, unless a laboratory report proves such precautions are not necessary.

15. All gully connections to use a minimum diameter pipe of 150mm and to be surrounded by a minimum of 150mm of grade CA/C20 concrete over its full length (which should not exceed 15m) and its connection to the carrier system.

16. All sewers to be abandoned must be surveyed to identify any lateral connections that are still live with any found to be reported to the Engineer.

17. All foul and storm water drains which are not to be adopted as public sewers shall be in accordance with Document H of the Building Regulations, together with NHBC Standards Chapter 5.2 and BS8822.

18. Where pipes pass through footings, retaining or screen walls, limits to be provided over drains.

19. Where inverts are less than 1.6m deep inspection chambers (min dia. 1200mm) or access fittings (225 x 200mm) to be used, elsewhere proprietary plastic, brick or cast iron to be used and used in accordance with Table 11 of Document H of the Building Regulations (all sewers to invert min DN400, <50mm to invert min DN475).

20. All gullies connected direct to drains to be notifiable.

21. Adequate precautions in accordance with Approved Document H and manufacturer's recommendations to be taken to protect drains (particularly plastic) at shallow depths.

22. Trees and shrubs of a large size or heavy canopy with a moderate or high water demand must not be planted within any sewer easement.

23. Gullies within and adjacent to area of site works to be suction cleaned at commencement and completion of work.

24. 1m deep root barrier of an approved type to be installed vertically along the back edging kerb of all areas of footway/demarcation to protect from both proposed and future plantations.

DRAINAGE KEY (1:500)

FULL

STORM

Proposed adoptable sewer & MH

Highway gully and 150mmØ connection

Brickwork headwall

Proposed Basin/Wales

Proposed Rain Garden Tree Pit and Outfall

Temporary Maintenance Access

P11 10.25 ADDITION OF R10 ACCESS ROUTES

RG

RF

P10 11.25 AMENDED KERBLINE AND DRAINAGE GULLY

RG

RF

P9 12.24 AMENDED WATERLOO ROAD TIE-IN

RG

RF

P8 10.24 UPDATED LAYOUT

PR

SM

P7 09.24 DRAINAGE AMENDED IN LINE WITH LATEST LAYOUT

AS

CS

P6 08.24 JUNCTION STUBS RENSTATED AND R14 BASIN LINK UPDATED

GR

LA

P5 01.24 JUNCTION STUBS RENSTATED AND R14 BASIN LINK UPDATED

KLW

EY

P4 12.21 JUNCTION STUBS REMOVED AND LAYOUT CHANGED TO ADDRESS WRC COMMENTS

AM

EY

P3 06.21 EASTON GATEWAY UPDATED

AS

LA

P2 06.21 AMENDED TO SHOW CONTROL CHAMBERS

GR

KW

P1 06.21 FIRST ISSUE

TR

KW

Drawn

Checked

AL

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P

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Project
**SOUTH WOKINGHAM SDL
R10-R14 LINK ROAD**

Title
DRAINAGE STRATEGY

Status

Scale

Date

Drawn

Checked

1:500 @ A0

JUN 2023

TR

KW

Drawing No

Revision

A389-LR-501

P11