

WARNING

1. CONNECTION INTO EXISTING THAMES WATER SEWER TO BE CONFIRMED THROUGH SECTION 106 APPLICATION. THAMES WATER TO CONFIRM IF MANHOLE OR SADDLE CONNECTION IS REQUIRED.
2. EXACT REQUIREMENTS FOR PETROL INTERCEPTOR TO BE PROVIDED BY MANUFACTURER.
3. CELLULAR STORAGE SHOWN PROVIDED BY HYDRO INTERNATIONAL. CONTRACTOR TO CONFIRM WITH JASPER KERR ON CHOSEN CELLULAR STORAGE MANUFACTURER TO CONFIRM EXACT SIZE REQUIRED.

- KEY**
- PROPOSED SURFACE WATER DRAINAGE
 - POROUS PAVING COLLECTOR DRAIN
 - PROPOSED SURFACE WATER ATTENUATION
 - PROPOSED FOUL DRAINAGE

- NOTES:**
1. SITE LAYOUT SHOWN HAS BEEN PRODUCED BY REDBROOKS AND HAS REFERENCE HAT-RDB-XX-00-DR-A-0200
 2. FOUL WATER DRAINAGE TO CONNECT INTO EXISTING 150mmØ COMBINED THAMES WATER SEWER LOCATED IN GOLDSMITH WAY.
 3. SVP POSITIONS SHOWN BASED MEP DESIGN COMPLETED BY EMEC. EXACT POSITIONS TO BE CONFIRMED PRIOR TO COMMENCEMENT TO NEXT STAGE.
 4. SURFACE WATER DRAINAGE TO CONNECT INTO EXISTING SEWER LOCATED IN SOUTH EASTERN CORNER OF SITE. EXISTING SURFACE WATER SEWER EVENTUALLY CONNECTS INTO THAMES WATER SEWER LOCATED NEAR GOLDSMITH WAY.
 5. SURFACE WATER DRAINAGE TO BE RESTRICTED TO 2.8LS THROUGH THE USE OF A HYDROBRAKE.
 6. SURFACE WATER ATTENUATION TO BE PROVIDED THROUGH CELLULAR STORAGE LOCATED IN THE UNDERCROFT IN THE SOUTH EASTERN CORNER OF THE SITE. CELLULAR STORAGE SHOWN IS BASED UPON A STORMBLOC OPTIMUM PROVIDED BY HYDRO INTERNATIONAL. UNIT SIZE IS 0.8m x 0.8m x 0.66m FOR A SINGLE FULL BLOCK. ATTENUATION PROVIDED IS 2.0 BLOCKS HIGH. ATTENUATION CRATES SHOWN CAN BE SWITCHED OUT FOR A SIMILAR PRODUCT PRIOR TO CONFIRMATION WITH ENGINEER.
 7. A TOTAL OF 50.2m² OF ATTENUATION REQUIRED BASED ON DISCHARGE RATE OF 2.8 L/S.
 8. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH JASPER KERR TENDER PACKAGE OF DRAWINGS.
 9. ALL DRAINAGE WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH BUILDING REGULATIONS PART W 2010 EDITION AND SEWERS FOR ADOPTION 7TH EDITION AND TO BE IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAY WORKS.
 10. POSITION, SIZE AND DEPTH OF ALL EXISTING SEWERS AND SERVICES TO BE ESTABLISHED PRIOR TO COMMENCEMENT ON SITE.
 11. THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT & DIVERSION WORKS AS NECESSARY TO EXISTING SERVICES.
 12. IN-SITU AND PRECAST CONCRETE UNITS SHALL HAVE SULPHATE RESISTANT PORTLAND CEMENT TO BS 4027 UNLESS SPECIFIED OTHERWISE.
 13. PRECAST CONCRETE PRODUCTS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS 5111 AND BE KITEMARKED.
 14. ALL PIPES 375mmØ AND ABOVE TO BE PRECAST CONCRETE CLASS 'F' UNLESS STATED OTHERWISE.
 15. MANHOLE COVERS AND FRAMES SHALL COMPLY WITH RELEVANT PROVISIONS OF BS 124. HAVE A MINIMUM OF 675mm x 675mm CLEAR OPENINGS WITH A 150mm DEEP FRAMES UNLESS OTHERWISE SPECIFIED.
 16. MANHOLE COVERS AND FRAMES TO BE OF A NON ROCKING DESIGN WITHOUT CUSHION INSERTS AND BE KITEMARKED.
 17. LOAD CLASS D400 TO BE USED IN ALL VEHICULAR AREAS. LOAD CLASS C250 OR B125 IN PEDESTRIAN AREAS.
 18. THE CONTRACTOR MUST ENSURE THAT THE EXISTING DRAINAGE IS TO BE KEPT LIVE AND CLEAR OF DEBRIS AT ALL TIMES DURING THE WORKS.
 19. ALL LEVELS AND SETTING OUT TO BE CONFIRMED WITH ARCHITECT PRIOR TO CONSTRUCTION. REFER DISCREPANCIES TO ENGINEER.

Cl	Date	By	Description	Chk	App
C13	30.05.2023	SB	UPDATED FOLLOWING MEETING 21.04.23	DH	DH
C12	15.05.2023	SB	UPDATED FOLLOWING MEETING 21.04.23	DH	DH
C11	13.04.2023	SB	UPDATED FOLLOWING MEETING 13.04.23	DH	DH
C10	05.04.2023	SB	FW IC 10 RELOCATED TO THE WEST AND REPLACED WITH A RODDABLE ACCESS GULLY WITHIN THE RAIN GARDEN	DH	AH
C09	30.03.2023	SB	COVER LEVELS UPDATED TO ALIGN WITH LEVELS UPDATE TO PROVIDE MINIMUM COVER TO FLE CAPS AND GROUND BEAMS. ATTENUATION TANK DIMENSIONS UPDATED TO AVOID CLASHES	DH	AH
C08	28.02.2023	DH	LEVELS OF FOUL DRAINAGE FROM TANK ROOM TO FW IC 04 AMENDED TO AVOID HV CABLE. LOCATION OF SW MH01 ADJUSTED TO AVOID SITE CLASH	DH	AH
C07	01.12.2022	DH	SW IC 11, 11.24.15, FW AC 02 AND EX SW MH COVER LEVELS UPDATED FOLLOWING UPDATE TO PROPOSED LEVELS	DH	AH
C06	15.11.2022	AS	DRAINAGE UPDATED TO SUIT NEW OFFOUT INVERT LEVEL OF 74.26m AOD FOR 3000 PIPE	AS	DH
C05	11.11.2022	AS	GULLIES ON GOLDSMITH WAY LOWERED TO PREVENT SLEEVE WITHIN GROUND BEAM	AS	DH
C04	11.11.2022	AS	DRAINAGE AMENDED TO PREVENT CLASHES WITH GROUND BEAM AND FLE CAP FOLLOWING CLASH DETECTION BY REDBROOKS	AS	DH
C03	07.10.2022	AS	ADDITIONAL NOTES AND DRAINAGE CHANNEL ADDED TO NORTHERN FOOTPATH CONNECTION. POROUS ASPHALT CONVEYANCE DRAINAGE SHEPHERD TO ALLOW FOR INSPECTION CHAMBER	AS	DH
C02	26.09.2022	AS	ADDITIONAL GULLIES ADDED, STORAGE UPDATED	AS	AS

CONSTRUCTION

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Redbrooks

**RESIDENTIAL DEVELOPMENT
COMET WAY, HATFIELD**

**PROPOSED SITE WIDE
FOUL AND SURFACE WATER
DRAINAGE DESIGN**

Scale: A1	1:150	Checked	AS & DH	Approved	DH
Project No.	JK-6778	Assigned	AS	Drawn	AS
Drawing No.	HAT-HSD-XX-GN-DR-C-0102	Rev.			C13

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REFERENCE MUST ONLY BE MADE TO INFORMATION VISIBLE IN PAPER SPACE OF THIS DRAWING. OTHER INFORMATION FOUND IN MODEL SPACE OF THE DWG VERSION MAY HAVE BEEN SUPERCEDED BY OTHER DRAWINGS.

THE DWG VERSION HAS BEEN ISSUED FOR CO-ORDINATION AND COSTING PURPOSES ONLY AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION OR SETTING OUT PURPOSES.

LAYERS THAT WERE TURNED OFF UPON ISSUE SHOULD NOT BE TURNED ON. IF IN DOUBT, REFER TO CORRESPONDING PDF VERSION

