

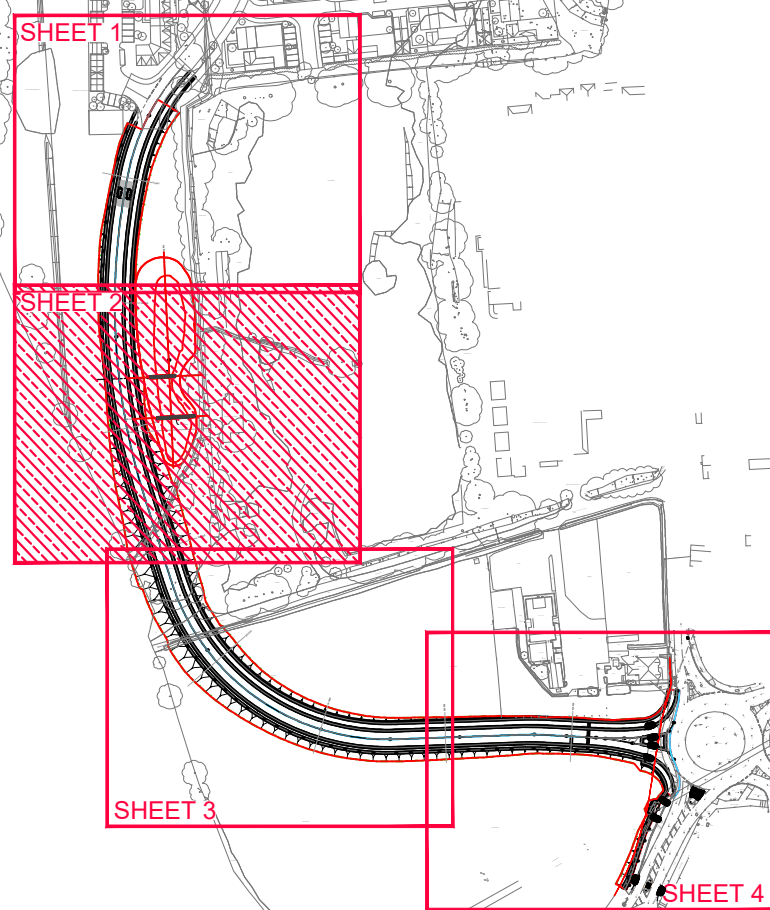
PROPOSED FEATURES

Ø100 SWD 6.48m 1:100	PIPE DETAIL: Ø, LENGTH, GRADIENT
SW MH 1.0	MANHOLE REFERENCE:
CL 00.00	COVER LEVEL
IL 00.00	INVERT LEVEL
SIL 00.00	SUMP INVERT LEVEL
TYPE C MH	MH TYPE
CATCHPIT	CATCHPIT MANHOLE (IF REQUIRED)
D400	COVER GRADE
	MAJOR CONTOUR
	MINOR CONTOUR

FOR CONTINUATION SEE DRAWING FHL013-FHL-00-XX-DR-C-0500

1. ALL PIPES TO BE A THERMOPLASTIC STRUCTURED WALL SEWER PIPES TO WIS 4-35-01 (CLASS BKN/SOM) AND BE CAPABLE OF WITHSTANDING 4000 PSI JETTING
2. FOR CONSTRUCTION DETAILS REFER TO THE RELEVANT ARCH ASSOCIATES DRAWING NUMBERS LISTED ON THE DRAWING ISSUE SHEET.
3. ADAPTABLE HIGHWAY WORKS ARE TO BE IN ACCORDANCE WITH LOCAL AUTHORITY DESIGN GUIDANCE.
4. ANY WORKS ASSOCIATED WITH THE HIGHWAY/EXTERNAL WORKS INCLUDING HIGHWAY DRAINAGE, SHALL BE IN ACCORDANCE WITH THE HIGHWAYS AGENCY 'MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS, VOL 1' (MCHW), UNLESS OTHERWISE SPECIFIED.
5. ALL ADAPTABLE SEWERS WITH LESS THAN 1.20m OF COVER WHEN LAID BENEATH THE ROADS, OR 0.90m OF COVER IN OTHER AREAS, SHALL HAVE CONCRETE PROTECTION IN ACCORDANCE WITH EITHER OF THE DETAILS SHOWN ON THE STANDARD DRAWING PROVIDED.
6. ALL DRAINAGE WORKS SHOULD COMMENCE AT THE PROPOSED DOWNSTREAM CONNECTION POINT, THE WORKS CONTINUING UPSTREAM FOLLOWING CONFIRMATION OF THE MAIN INVERT LEVELS TO THE ENGINEER. CONNECTIONS TO MANHOLES OR LARGER SIZED PIPES ETC. SHOULD BE SOFFIT TO SOFFIT UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER, IF THIS IS NOT POSSIBLE INFORM THE ENGINEER IMMEDIATELY
7. COVER LEVELS SHOWN ARE APPROXIMATE. COVERS AND FRAMES SHALL BE SET TO FINISHED GROUND LEVELS AND FALLS.
8. ROAD GULLY PIPES ARE TO BE 150mm DIA. WITH CONCRETE SURROUND AND FLEXIBLE JOINTS ALL GULLIES SHALL BE FITTED WITH GRADE IRON GRATINGS AND FRAMES TO BS EN124, UNLESS OTHERWISE STATED
9. IN ORDER TO MAINTAIN THE SATISFACTORY FUNCTIONING OF SURFACE WATER SEWERS, ALL ROAD AND YARD GULLIES ARE TO BE "TRAPPED".
10. ALL NON ADAPTABLE LATERALS BENEATH THE HIGHWAY SHALL BE BACK FILLED WITH A TYPE 1 GRANULAR MATERIAL AS CL.803 (MCHW) APPROVED BY THE ENGINEER.
11. THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE, INCLUDING THE RELOCATION OF SEWERS OR DRAINS, SO THAT AN AS CONSTRUCTED DRAWING CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
12. THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE, NO DIMENSIONS ARE TO BE SCALED FROM THESE DRAWINGS
13. IT IS THE CONTRACTORS/SUBCONTRACTORS RESPONSIBILITY TO ENSURE COMPLIANCE WITH THE CURRENT BUILDING REGULATIONS AND CODES OF PRACTICE.
14. STUB CONNECTIONS TO ADAPTABLE MANHOLES SHALL BE MADE FROM VITRIFIED CLAY AND CONSIST OF TWO ROCKER PIPES LAID AT THE SAME GRADIENT AS THE UP OR DOWNSTREAM PIPE.
15. GULLY AND CHANNEL DRAIN POSITIONS ARE LIABLE TO AMENDMENT WHEN THE DESIGN LEVELS HAVE BEEN DETERMINED.
16. INFILTRATION BASIN/SPILLING POND/POND SYSTEM TO CONFORM TO CIRIA C635 THE SUDS MANUAL, C698 SITE HANDBOOK FOR THE CONSTRUCTION OF SUDS.
17. ALL REDUNDANT DRAINAGE TO BE ABANDONED ONCE THE CONTRACTOR HAS DETERMINED HIMSELF THAT NO CONNECTIONS REMAIN LIVE. REDUNDANT DRAINAGE TO BE GRUBBED OUT.
18. ALL BELOW GROUND CONCRETE TO ACCORD WITH BS5328-1997/SULPHATE CLASS TBA
19. IF ANY SUB SOIL DRAINAGE SYSTEMS ARE UNCOVERED DURING THE WORKS CONTACT THE ENGINEER FOR INSTRUCTIONS. GENERALLY SUB SOIL DRAINS AFFECTED ARE TO BE DIVERTED AROUND NEW WORKS AND CONNECTED INTO THE SURFICIAL SPILL/DRAINAGE SYSTEM. PIPE DIAMETERS AND GRADIENTS ARE TO BE MAINTAINED.
20. BEFORE COMMENCING CONSTRUCTION THE CONTRACTOR MUST CHECK THE INVERT LEVELS OF EXISTING SEWERS TO WHICH CONNECTIONS ARE MADE. IN ADDITION THE CONTRACTOR MUST LOCATE AND DETERMINE INVERT LEVELS OF THE EXISTING SPURS TO WHICH CONNECTIONS ARE MADE. ADDITIONAL SPUR/MANHOLE CONNECTIONS ARE TO BE AGREED WITH THE RELEVANT AUTHORITY. ANY DISCREPANCIES ARE TO BE NOTIFIED TO THE ENGINEER IMMEDIATELY, PRIOR TO CONSTRUCTION.
21. ROAD REINSTATEMENTS ARE TO BE TO THE HIGHWAY AUTHORITY APPROVAL.
22. NO PRIVATE AREAS ARE TO DRAIN INTO ADAPTABLE AREAS AND VICE VERSA.

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FOR SECTIONS SEE DRAWING
FHL013-AAL-00-XX-DR-C-0521

CONSTRUCTION
WARNING

IMPORTANT NOTE: CAUTION

ALL INFORMATION SHOWN ON THIS DRAWING FOR UNDERGROUND SERVICES/STATUTORY UNDERTAKERS' PLANT IS APPROXIMATE AND IS *PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY*. IT SHOULD NOT BE RELIED ON FOR EXCAVATION OR ANY OTHER WORKS PURPOSES AND CONTRACTORS MUST SATISFY THEMSELVES OF THEIR LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS.

KEY TO HEALTH AND SAFETY SYMBOLS

THESE NOTES ARE BASED ON THE USE OF
EXPERIENCED AND COMPETENT CONTRACTORS
CARRYING OUT THE WORK USING AN
APPROVED SAFE METHOD OF WORKING

 INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION

 INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION

 INDICATES A RESIDUAL RISK AS A WARNING

 INDICATES A RESIDUAL RISK FOR INFORMATION

P02	07/02/23	UPDATED TO CLIENT COMMENTS	JLM
P01	21/12/22	PRELIMINARY ISSUE FOR COMMENT	SPB
Rev.	Date	Description	By



Client
FOREMAN HOMES

Architect
N/A

Project title
**PHASE 3,
ST JOHN'S ROAD,
HEDGE END.**

Drawing title
PROPOSED LEVELS & DRAINAGE
SHEET 2 OF 4

Scale	Paper size	Date	Drawn by	Checked by	Status
1:200	A1	DEC 2022	SPB	SPB	S4

Name
Project code / No. | Originator | Zone | Level | Type | Role | Number | Revision
FHLO13 - AAL - 00 - XX - DR - C - 0501 - P02