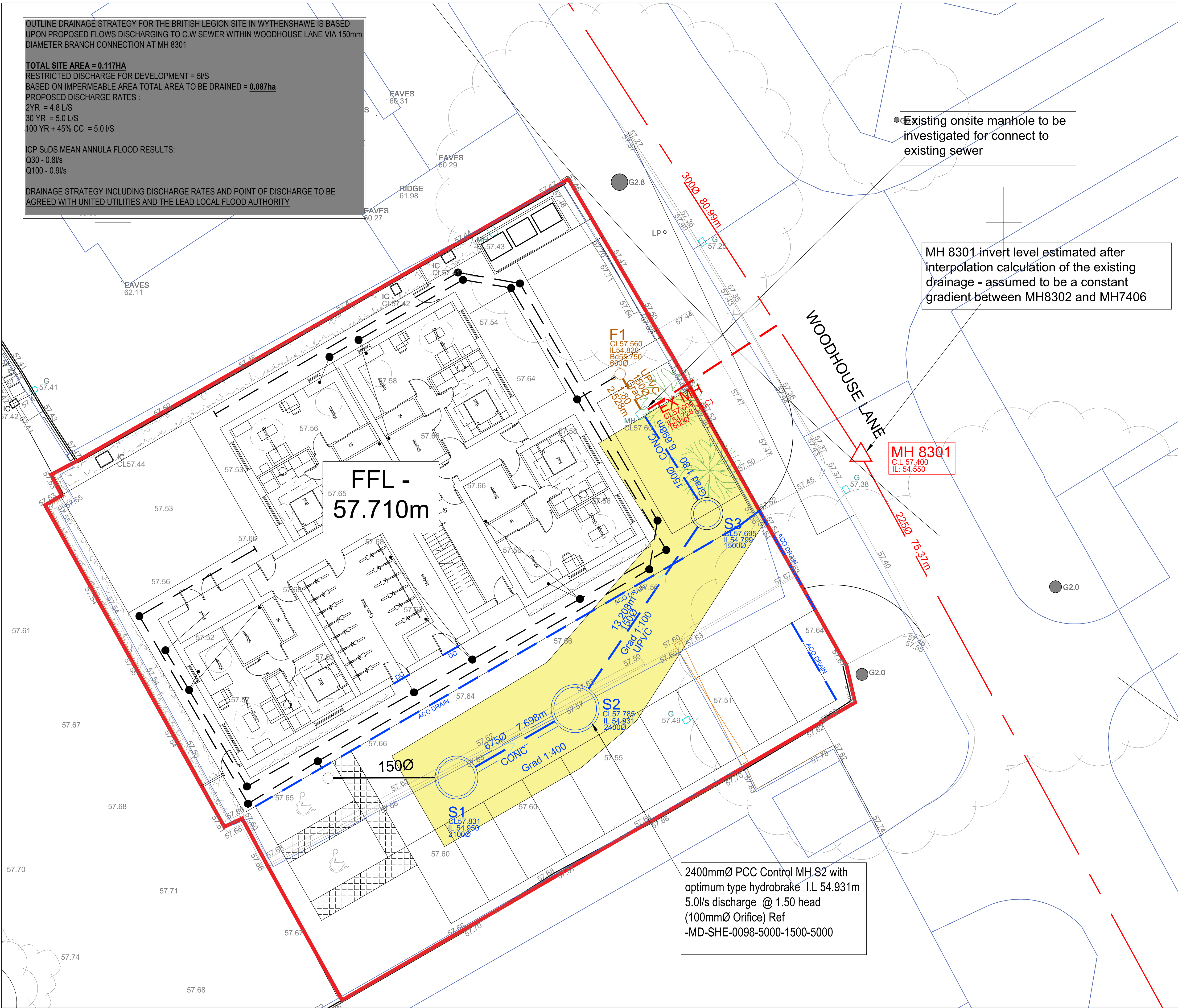


OUTLINE DRAINAGE STRATEGY FOR THE BRITISH LEGION SITE IN WYTHENSHAW IS BASED UPON PROPOSED FLOWS DISCHARGING TO C.W SEWER WITHIN WOODHOUSE LANE VIA 150mm DIAMETER BRANCH CONNECTION AT MH 8301

TOTAL SITE AREA = 0.117HA
RESTRICTED DISCHARGE FOR DEVELOPMENT = 5l/s
BASED ON IMPERMEABLE AREA TOTAL AREA TO BE DRAINED = 0.087ha
PROPOSED DISCHARGE RATES :
2YR = 4.8 L/S
30 YR = 5.0 L/S
100 YR + 45% CC = 5.0 l/s

ICP SuDS MEAN ANNULA FLOOD RESULTS:
Q30 - 0.8l/s
Q100 - 0.9l/s

DRAINAGE STRATEGY INCLUDING DISCHARGE RATES AND POINT OF DISCHARGE TO BE AGREED WITH UNITED UTILITIES AND THE LEAD LOCAL FLOOD AUTHORITY



GENERAL NOTES

1. SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.

2. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DCG (THE CODE) AND UNITED UTILITIES DETAILS & GUIDELINES.

3. THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150MM

4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES

5. THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0M FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5M FROM KERB LINES

6. EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES 7. ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES

7. ALL MATERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS

8. ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A., INBC OR THE NETWORK OPERATOR AS APPLICABLE.

9. WHERE 'ULTRA RIB' UPVIC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.

10. A CLASS S BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1M OF HIGHWAY SHALL, AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL 4.3.4. 12. SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE

11. DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOCUMENT H. 110MM U.P.V.C. PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN.

FOUL	S.W.
HEAD RUN 1 IN 40	1 IN 60
ELSEWHERE 1 IN 80	1 IN 100

12. POLYPROPYLENE INSPECTION CHAMBERS TO BE PROVIDED TO ALL PRIVATE DRAINAGE LESS THAN 1.10m DEEP, WHERE PRIVATE DRAINAGE RUNS ARE DEEPER THAN 1.10m, REDUCED ACCESS CHAMBERS TO BE PROVIDED.

13. WHEREVER PLASTIC PIPES ARE TO BE USED FOR THE CONSTRUCTION OF ADOPTABLE DRAINAGE, STRUCTURED WALL PLASTIC PIPES MUST BE USED WHICH MUST COMPLY WITH BS EN 13476-1 AND WS 4-35-01

14. THE COLOURED DRAINAGE IS PROPOSED TO BE ADOPTED UNDER S104 AGREEMENT SUBJECT TO TECHNICAL APPROVAL

LEGEND

PROPOSED SURFACE WATER SEWER MANHOLE

PROPOSED FOUL WATER SEWER MANHOLE

PROPOSED COMBINED SEWER MANHOLE

EXISTING GROUND LEVELS

EXISTING SURFACE WATER MANHOLE

EXISTING FOUL WATER MANHOLE

EXISTING COMBINED WATER MANHOLE

PROPOSED FOUL 600MM PPIC
DRAG OUT MH (TBC WITH UU FIELD INSPECTOR)

PROPOSED SURFACE WATER 600MM PPIC
DRAG OUT MH WITH HEAVY DUTY COVER (TBC
WITH UU FIELD INSPECTOR)

PROPOSED SURFACE WATER DRAIN WITH
450mmØ INSPECTION CHAMBER

PROPOSED FOUL WATER DRAIN WITH
450mmØ INSPECTION CHAMBER

FINISHED FLOOR LEVEL

DISHED CHANNEL (OR SIMILAR)

3.0m/3.5m EASEMENT EITHER SIDE OF SURFACE WATER SEWER

P03

29.07.2024

DRAWING AMENDED TO DRAINAGE ALTERATIONS

JJ

JCM

JCM

P02

09.05.2024

PRELIMINARY DRAWING ISSUE

JJ

JCM

JCM

REV

DATE

DESCRIPTION

BY

CHK

APP

DRAWING STATUS:

PLANNING

CLIENT:

WCHG

ARCHITECT:

ARCUS CONSULTING

PROJECT:

BRITISH LEGION SITE
WYTHENSHAW

TITLE:

OUTLINE DRAINAGE LAYOUT

STATUS:

S2

PROJECT No.

223-039

PROJECT

BLE - AJP - ZZ - 00 - DR - C - 1000

ORIGINATOR

AJP

VOL/SYS/LEVEL

ZZ - 00 - DR - C - 1000

TYPE

P02

ROLE

JCM

DRAWING No.

JCM

REV.

JCM

SCALE @ A1:

1:100

DESIGNED:

JJ

DRAWN:

JJ

CHECKED:

JCM

APPROVED:

JCM

DATE:

MAY 2024

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