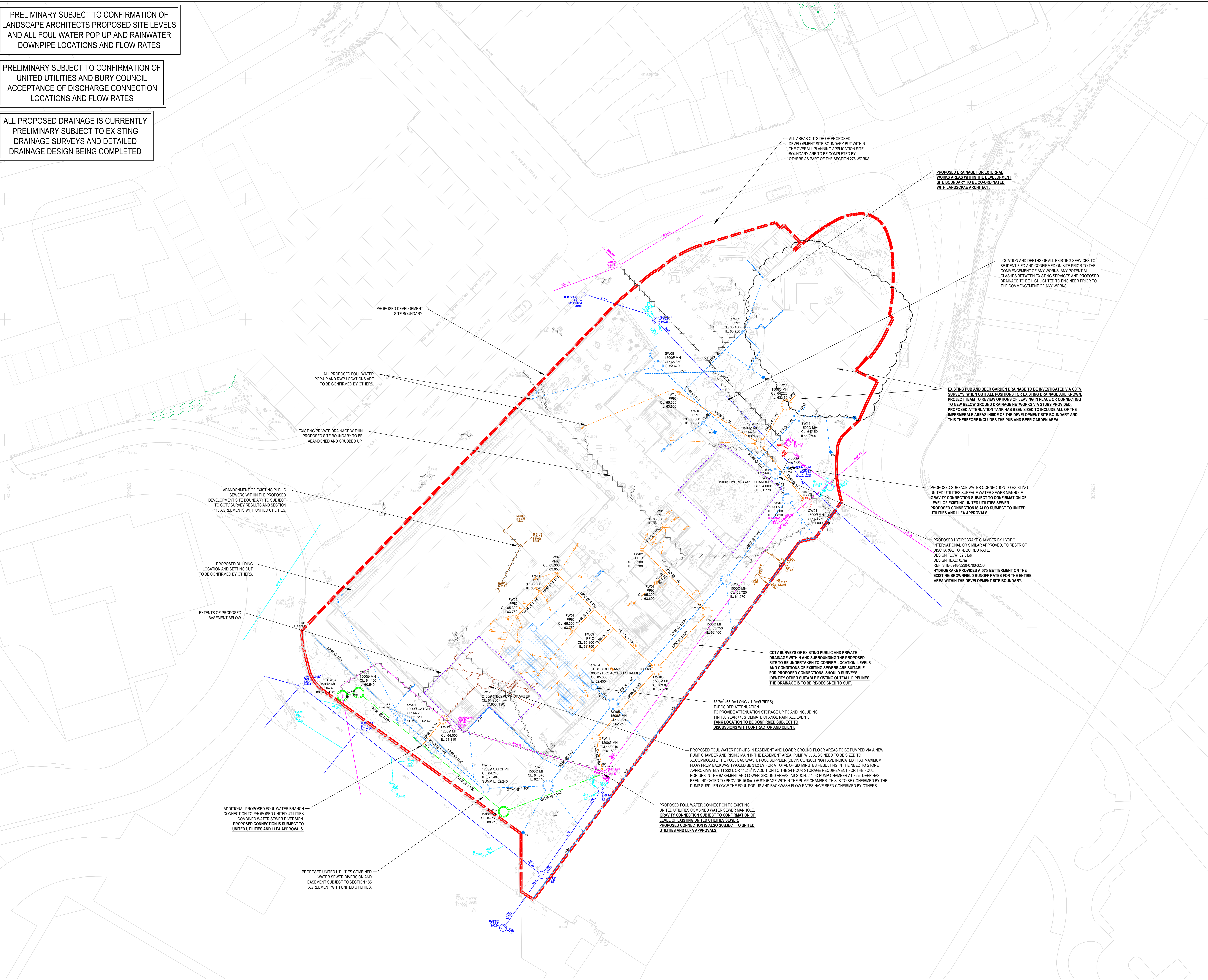


PRELIMINARY SUBJECT TO CONFIRMATION OF
LANDSCAPE ARCHITECTS PROPOSED SITE LEVELS
AND ALL FOUL WATER POP UP AND RAINWATER
DOWNPIPE LOCATIONS AND FLOW RATES

PRELIMINARY SUBJECT TO CONFIRMATION OF
UNITED UTILITIES AND BURY COUNCIL
ACCEPTANCE OF DISCHARGE CONNECTION
LOCATIONS AND FLOW RATES

ALL PROPOSED DRAINAGE IS CURRENTLY
PRELIMINARY SUBJECT TO EXISTING
DRAINAGE SURVEYS AND DETAILED
DRAINAGE DESIGN BEING COMPLETED



IMPORTANT NOTES

- SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
- ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION AND UNITED UTILITIES DETAILS & GUIDELINES.
- THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARD TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HANDING AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES.
- THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.5m FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5m FROM KERB LINES.
- EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES.
- ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES.
- ALL MATERIALS TO BEAR THE RELEVANT B.S. ITEM MARK 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.
- 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. NMSC OR THE NETWORK OPERATOR AS APPLICABLE.
- WHERE ULTRA RIB UPVC 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.
- A CLASS 8 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.
- SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE.
- ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE.
- ALL MANHOLE COVERS TO BE RECESSED TO ACCEPT FINISH AS DETAILED BY LANDSCAPE ARCHITECT.
- SLOW REST BENDS TO BE USED IN ALL LOCATIONS MADE UP FROM 2m x 45 DEG BENDS (800mm TO INVERT FROM FFL).
- MANHOLE POSITIONS AND ACCESS COVERS TO BE ACCURATELY SET-OUT BY LANDSCAPE ARCHITECT TO SUIT EXTERNAL FINISHES.
- ALL DRAINS CAST THROUGH FOUNDATIONS TO HAVE ROCKER PIPES ON BOTH SIDES OF FOUNDATION.
- ALL POP UP POSITIONS TO BE CONFIRMED SET OUT DIMENSIONS TO BE AGREED & PROVIDED BY OTHERS.
- ALL DISCHARGE RATES TO BE CONFIRMED BY M&E DESIGNER.
- ALL SURFACE WATER COLLECTION FEATURES TO BE CONFIRMED BY THE LANDSCAPE ARCHITECT.
- STORAGE HAS BEEN PROVIDED IN A CELLULAR STORAGE TANK AND UP-SIZED MANHOLES AND PIPES.
- EXISTING SEWER DEPTHS HAVE BEEN APPROXIMATED FROM LIMITED INFORMATION. NEW CONNECTIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION OF ANY DRAINAGE WORKS.
- LANDSCAPE ARCHITECT TO CONFIRM GULLY AND DRAINAGE CHANNEL LOCATIONS TO LANDSCAPED AREAS.
- FOUL NETWORK TO BE CONFIRMED FOLLOWING CONFIRMATION OF BRANCH CONNECTION POINTS FROM BUILDING M&E DESIGNER.
- CCTV SURVEY OF EXISTING SITE DRAINAGE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY WORKS STARTING ON SITE.

LEGEND

PROPOSED SURFACE WATER MANHOLE

PROPOSED FOUL WATER MANHOLE

PROPOSED SURFACE WATER PIP

PROPOSED FOUL WATER PIP

PROPOSED SURFACE WATER DRAINAGE

PROPOSED FOUL WATER DRAINAGE

PROPOSED BASEMENT LEVEL FOUL WATER PUMP CHAMBER

PROPOSED BASEMENT LEVEL FOUL WATER DRAINAGE

PROPOSED BASEMENT EXTENTS

PROPOSED BELOW GROUND TUBESIDER ATTENUATION

PROPOSED UNITED UTILITIES COMBINED WATER SEWER DIVERSION WITH SEWER EASEMENT

EXISTING UNITED UTILITIES SURFACE WATER SEWER

EXISTING UNITED UTILITIES FOUL WATER SEWER

EXISTING UNITED UTILITIES COMBINED WATER SEWER

EXISTING PRIVATE SURFACE WATER DRAINAGE TO REMAIN

EXISTING PRIVATE FOUL WATER DRAINAGE TO REMAIN

EXISTING PRIVATE COMBINED WATER DRAINAGE TO REMAIN

EXISTING UNITED UTILITIES SEWERS ALREADY ABANDONED

EXISTING UNITED UTILITIES SEWERS TO BE ABANDONED

EXISTING PRIVATE DRAINAGE TO BE ABANDONED

REV

DATE

DESCRIPTION

BY

CHK

APP

21.10.2022

R&A STAGE 3 (SPATIAL COORDINATION)

JAR

JRS

DJS

13.09.2022

R&A STAGE 3 (DEVELOPED DESIGN)

JAR

JRS

DJS

17.08.2022

STAGE 2 WORK IN PROGRESS FOR DESIGN COORDINATION

JRS

DJS

DJS

04.05.2022

R&A STAGE 2 (CONCEPT DESIGN)

JRS

DJS

DJS

DRAWING STATUS:

PRELIMINARY

CLIENT:

BURY COUNCIL

ARCHITECT:

POZZONI

PROJECT:

RADCLIFFE CIVIC HUB

TITLE:

BELOW GROUND DRAINAGE OUTLINE DRAINAGE STRATEGY

STATUS

PROJECT No

PROJECT

ORIGIN

FUNCTION

SPECIAL

FORM

ISBC

DRAWING No.

REV.

S2

221-145

RADHUB-AJP-V4-ZZ-DR-C-0001

P04

SCALE @ 1:200

DESIGNED

DRAWN

CHECKED

APPROVED

DATE

JRS

JRS

DJS

DJS

MAY 2022

AJP

consulting engineers

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