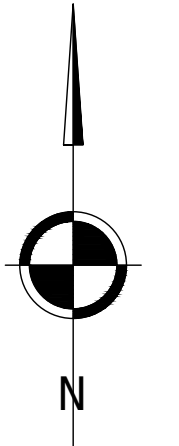


PRELIMINARY SUBJECT TO CONFIRMATION OF
UNITED UTILITIES AND BURY COUNCIL
ACCEPTANCE OF DISCHARGE CONNECTION
LOCATIONS AND FLOW RATES

- RESIDUAL DESIGN HAZARDS**
1. LIVE TRAFFIC ADJACENT TO SITE.
 2. ALL SERVICES MUST BE VERIFIED BY THE CONTRACTOR THROUGH LIAISON WITH THE VARIOUS UNDERTAKERS AND BY USING DETECTION EQUIPMENT PRIOR TO ANY EXCAVATIONS TAKING PLACE. PERMIT TO WORK REQUIRED.
 3. SILICA DUST TO BE COMPRESSED WHEN USING CUTTING EQUIPMENT.
 4. DEEP EXCAVATION REQUIRED FOR DRAINAGE WORKS. CONTRACTOR TO UTILISE BANKSMEN AND EMPLOY APPROPRIATE CONSTRUCTION TECHNIQUES TO PROTECT ALL WORKERS WITHIN DEEP EXCAVATIONS.
 5. INSTALLATION OF ATTENUATION TANK IN CLOSE PROXIMITY TO EXISTING BUILDING FOUNDATIONS.



- 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 SEWERS FOR ADOPTION 7TH EDITION 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 NOTES SHALL INCLUDE 'FOR HAND' DISAROUND 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.
 8. ALL MATERIALS TO BEAR THE RELEVANT B.S. ITEM MARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST BE SULPHATE RESISTANT UNLESS THE SITE INVESTIGATION REPORT PROVIDES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS.
 9. ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE RESPECTED BY C.L. MARK OR THE NETWORK OPERATOR AS APPLICABLE.
 10. WHERE 'A' TRA RIG UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAD IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
 11. A CLASS 3 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.
 13. ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE.
 14. ALL MANHOLE COVERS TO BE RECESSED TO ACCEPT FINISH AS DETAIL BY LANDSCAPE ARCHITECT.
 15. SLOW REST BENDS TO BE USED IN ALL LOCATIONS MADE UP FROM 2m. 45 DEG BENDS (600mm) TO INVERT FROM FFL.
 16. MANHOLE POSITIONS AND ACCESS COVERS TO BE ACCURATELY SET OUT BY LANDSCAPE ARCHITECT TO SUIT EXTERNAL FINISHES.
 17. ALL DRAINS CAST THROUGH FOUNDATIONS TO HAVE ROCKER PIPES ON BOTH SIDES OF FOUNDATION.
 18. ALL POP UP POSITIONS TO BE CONFIRMED SET OUT DIMENSIONS TO BE AGREED & PROVIDED BY OTHERS.
 19. ALL DISCHARGE RATES TO BE CONFIRMED BY MAE DESIGNER.
 20. ALL SURFACE WATER COLLECTION FEATURES TO BE CONFIRMED BY THE LANDSCAPE ARCHITECT.
 21. STORAGE HAS BEEN PROVIDED IN A CELLULAR STORAGE TANK AND UP-SIZED MANHOLES AND PIPES.
 22. EXISTING SEWER DEPTHS HAVE BEEN APPROXIMATED FROM LIMITED INFORMATION. NEW CONNECTIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION OF ANY DRAINAGE WORKS.
 23. LANDSCAPE ARCHITECT TO CONFIRM GULLY AND DRAINAGE CHANNEL LOCATIONS TO LANDSCAPED AREAS.
 24. FOUL NETWORK TO BE CONFIRMED FOLLOWING CONFIRMATION OF BRANCH CONNECTION POINTS FROM BUILDING MAE DESIGNER.
 25. 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 PPIC
 - PROPOSED FOUL WATER PPIC
 - PROPOSED SURFACE WATER DRAINAGE
 - PROPOSED FOUL WATER DRAINAGE
 - PROPOSED BELOW GROUND CELLULAR ATTENUATION TANK WITH VENT PIPE. VENT PIPE LOCATION TO BE CONFIRMED BY LANDSCAPE ARCHITECT.
 - ACC DRAINAGE CHANNEL WITH ACCESS UNIT
 - ROAD GULLY
 - FLOOR GULLY
 - YARD GULLY
 - PROPOSED RAINWATER DOWNPIPE
 - PROPOSED SIPHONIC RAINWATER DOWNPIPE BY FULLFLOW
 - PROPOSED RAIN GARDEN
 - EXISTING PRIVATE DRAINAGE
 - EXISTING UNITED UTILITIES COMBINED WATER SEWER
 - EXISTING UNITED UTILITIES COMBINED WATER SEWER TO BE ABANDONED SUBJECT TO S16 AGREEMENT
 - EXISTING PRIVATE DRAINAGE TO BE ABANDONED
 - SITE BOUNDARY

- DRAINAGE NOTES**
- ALL SURFACE / FOUL WATER CONNECTIONS ARE TO HAVE ROADABLE ACCESS FROM ABOVE GROUND.
 - ALL POP-UP AND RWP SETTING OUT IS TO BE PROVIDED BY THE ARCHITECT.
 - LANDSCAPE ARCHITECT TO CONFIRM IF RECESSED MANHOLE COVERS ARE REQUIRED.
 - MANHOLES WITH INCOMING SIPHONIC RAINWATER PIPES ARE TO HAVE A VENTED MANHOLE COVER IN ACCORDANCE WITH BS EN 124.
 - SIPHONIC RAINWATER PIPE FLOW RATES IS BASED ON INFORMATION PROVIDED BY FULLFLOW.
 - INTERNAL FOUL MANHOLES WILL REQUIRE DOUBLE SEALED & LOCKABLE MANHOLE COVERS.

PH	24.04.2023	RIBA STAGE 3 UPDATE	JJR	JRS	PT
PD	22.02.2023	RIBA STAGE 3 UPDATE	JJR	JRS	PT
PD	10.09.2022	RIBA STAGE 3 DEVELOPED DESIGN	JJR	JRS	JRS
PD	09.09.2022	RIBA STAGE 3 DEVELOPED DESIGN	JJR	JRS	JRS
REV	DATE	DESCRIPTION	BY	CHK	APP

DRAWING STATUS					
STAGE 3					
CLIENT					
BURY COUNCIL					
ARCHITECT					
JUST H ARCHITECTS					
PROJECT					
BURY MARKET MASTERPLAN					
TITLE					
BELOW GROUND DRAINAGE OUTLINE DRAINAGE STRATEGY					
STATUS	PROJECT No.	PROJECT	ORIGINATOR	LOCALITY/LEVEL	TYPE
S2	221-144	BURMAR-AJP-V2-ZZ-DR-C-0001	P04		
SCALE @ 1:200	DESIGNED	JJR	DRAWN	JJR	CHECKED
				JRS	APPROVED
				JRS	DATE
					AUG 2022