

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 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
8. 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
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 INSPECTED BY L.A., NHBC OR THE NETWORK OPERATOR AS APPLICABLE.
10. 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.
11. 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
13. ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE
14. ALL MANHOLE COVERS TO BE RECESSED TO ACCEPT FINISH AS DETAILED BY LANDSCAPE ARCHITECT
15. SLOW REST BENDS TO BE USED IN ALL LOCATIONS MADE UP FROM 2No. 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 M&E DESIGNER
20. ALL SURFACE WATER COLLECTION FEATURES TO BE CONFIRMED BY THE LANDSCAPE ARCHITECT
21. STORAGE HAS BEEN PROVIDED IN A TUBOSIDER STORAGE TANK AND UP-SIZED MANHOLES AND PIPES.
22. EXISTING SEWER DEPTHS HAVE BEEN LAYER SURVEYS LTD SURVEYS. 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.

LEGEND

- PROPOSED SURFACE WATER MANHOLE AND DRAINAGE
- PROPOSED FOUL WATER MANHOLE AND DRAINAGE
- PROPOSED COMBINED WATER MANHOLE
- PROPOSED 600Ø SURFACE WATER PPIC
- PROPOSED 600Ø FOUL WATER PPIC
- PROPOSED UNITED UTILITIES COMBINED WATER SEWER DIVERSION (S185 TECHNICAL APPROVAL RECEIVED)
- PROPOSED MANHOLE WITH A NON RETURN VALVE
- PROPOSED SURFACE WATER PERFORATED PIPE
- PROPOSED FOUL GULLY
- PROPOSED ROAD GULLY
- PROPOSED BASEMENT LEVEL FOUL WATER PUMP CHAMBER
- PROPOSED BASEMENT LEVEL FOUL WATER DRAINAGE
- PROPOSED BASEMENT EXTENTS
- PROPOSED BELOW GROUND TUBOSIDER ATTENUATION
- PROPOSED ACO DRAIN WITH ACCESS UNIT
- PROPOSED THRESHOLD DRAIN WITH ACCESS UNIT
- EXISTING UNITED UTILITIES SURFACE WATER SEWER
- EXISTING UNITED UTILITIES COMBINED WATER SEWER
- EXISTING PRIVATE SURFACE WATER DRAINAGE
- EXISTING PRIVATE FOUL WATER DRAINAGE
- EXISTING UNITED UTILITIES SEWERS ALREADY ABANDONED
- EXISTING DRAINAGE TO BE ABANDONED

DRAINAGE NOTES

- ALL POP-UP SETTING OUT IS TO BE PROVIDED BY THE ARCHITECT
- ALL SURFACE / FOUL WATER CONNECTIONS ARE TO HAVE RODDABLE ACCESS FROM ABOVE GROUND
- ANY 600Ø ACCESS CHAMBERS GREATER THAN 1.2m DEEP WILL REQUIRE A REDUCED ACCESS SHAFT

REV	DATE	DESCRIPTION	BY	CHK	APP
C04	28.05.2024	UPDATED TO SUIT SITE COMMENTS	JJR	DJS	DJS
C03	30.04.2024	UPDATED TO SUIT LATEST POP UP INFORMATION	JJR	DJS	DJS
C02	09.04.2024	UPDATED TO SUIT TA COMMENTS	JJR	DJS	DJS
C01	08.03.2024	CONSTRUCTION ISSUE	JJR	DJS	DJS
P07	20.07.2023	UPDATED TO SUIT UTILITY SURVEY INFORMATION	JJR	JRS	DJS
P06	06.06.2023	RIBA STAGE 4 (TECHNICAL DESIGN)	JJR	JRS	DJS
P05	23.02.2023	UPDATED TO SUIT LATEST GENERAL ARRANGEMENTS	JJR	DJS	DJS
P04	21.10.2022	RIBA STAGE 3 (SPATIAL COORDINATION)	JJR	JRS	DJS
P03	13.09.2022	RIBA STAGE 3 (DEVELOPED DESIGN)	JJR	JRS	DJS
P02	27.06.2022	STAGE 3 WORK IN PROGRESS FOR DESIGN COORDINATION	JRS	DJS	DJS
P01	04.05.2022	RIBA STAGE 2 (CONCEPT DESIGN)	JRS	DJS	DJS

DRAWING STATUS: **CONSTRUCTION**

CLIENT: BURY COUNCIL

ARCHITECT: POZZONI

PROJECT: RADCLIFFE CIVIC HUB

TITLE: BELOW GROUND DRAINAGE OUTLINE DRAINAGE STRATEGY

STATUS:	PROJECT No.	PROJECT	ORIGIN	FUNCT	SPACIAL FORM	DISC	DRAWING No.	REV
S2	221-145	RADHUB-AJP-V4 - ZZ -DR -	C - 0001					C04

SCALE @ A0	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:
1:200	JRS	JRS	DJS	DJS	MAY 2022

AJP consulting engineers
0151 227 1462 info@ajpltd.co.uk 01 Dale Street, Liverpool, L2 2ET