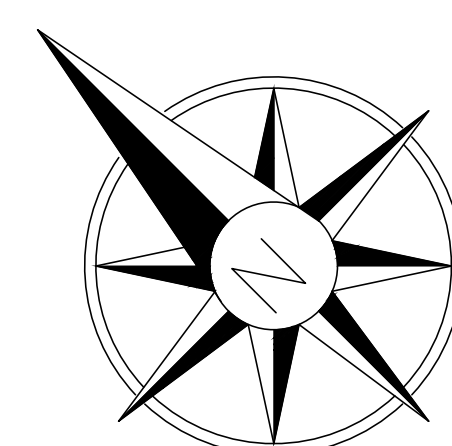
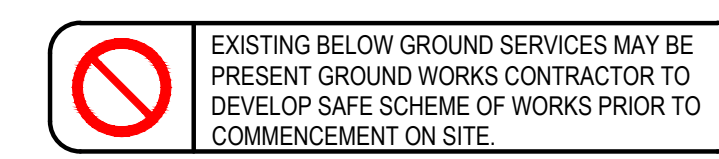




- IMPORTANT NOTES**
- SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
 - ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION.
 - THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADAPTABLE HIGHWAYS SHALL BE 150mm.
 - 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 COM REGULATIONS AT ALL TIMES.
 - EXISTING FLOWS SEWERS 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 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 & GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS).
 - ALL OPENING NOTICES ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS.
 - WHERE 'ULTRA RIP' PVC PIPES (OR SIMILAR APPROVED) ARE USED IN THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
 - A CLASS B 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.
 - SUB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE.
 - DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOCUMENT H. 10mm U.P.V.C. PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN.

FOUL	S.W.
HEAD RUN	1 IN 40
ELSEWHERE	1 IN 80
 - 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 RISE RENDS TO BE USED IN ALL LOCATIONS MADE UP FROM 2% 45 DEG BENDS (80mm 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 ROOFER 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.
 - FOR A NETWORK TO BE CONFIRMED FOLLOWING COORDINATION 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**
- EXISTING FOUL DRAIN TO REMAIN
 - EXISTING SURFACE WATER DRAIN TO DIVERSION
 - PROPOSED FOUL WATER DIVERSION
 - PROPOSED SURFACE WATER DIVERSION
 - PROPOSED FOUL WATER SEWER
 - PROPOSED SURFACE WATER SEWER
 - EXISTING DRAINAGE TO BE ABANDONED

REV	DATE	DESCRIPTION	BY	CHK	APP
C06	03-03-2023	UPDATED TO SUIT CLASHES AND LATEST ON SITE INFORMATION	JAR	JRS	PS
C05	25-10-2022	UPDATED TO SUIT LATEST ON SITE INFORMATION	JAR	JRS	PS
C04	16-08-2022	UPDATED TO SUIT CLASH DETECTION	JAR	JRS	PS
C03	03-08-2022	UPDATED TO SUIT LATEST FOUNDATION INFORMATION	JAR	JRS	PS
C02	17-08-2022	UPDATED TO SUIT LATEST SURVEY INFORMATION	JAR	JRS	PS
C01	18-11-2021	STAGE 5 ISSUE	MR	PS	PS
PS06	07-04-2021	PHASE 3 DRAINAGE URGENTLY INCREASED IN PW OUTFALL MANHOLE	MR	PS	PS
PS05	16-02-2021	UPDATED FOLLOWING RECEIPT OF OUTSTANDING MANHOLE RECORDS, PHASING REVISED	MR	PS	PS
PS04	26-01-2021	UPDATED FOLLOWING REVIEW OF DECEMBER 2020 CCTV REPORT, STAGE 4 COORDINATION	MR	PS	PS
PS03	18-12-2020	STAGE 4 ISSUE	MR	PS	PS
PS02	16-12-2020	UPDATED TO REFLECT LATEST STRATEGY	MR	PS	PS
PS01	11-11-2020	ISSUED FOR INCLUSION IN PLANNING SUBMISSION	MR	PS	PS

CONSTRUCTION

CLIENT: MANCHESTER ROYAL INFIRMARY

ARCHITECT: DAY Architectural Ltd

PROJECT: RED

TITLE: DRAINAGE STRATEGY

STATUS	PROJECT No	PROJECT	ORIGINATOR	VOL/ISSUE	TYPE	ROLE	DRAWING No	REV
S2	220-096	RED - AJP - 00 - 00 - DR - C - 000901	C06					

SCALE: 1:100
DESIGNED: RG
DRAWN: RG
CHECKED: PS
APPROVED: PS
DATE: SEPT 2019

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