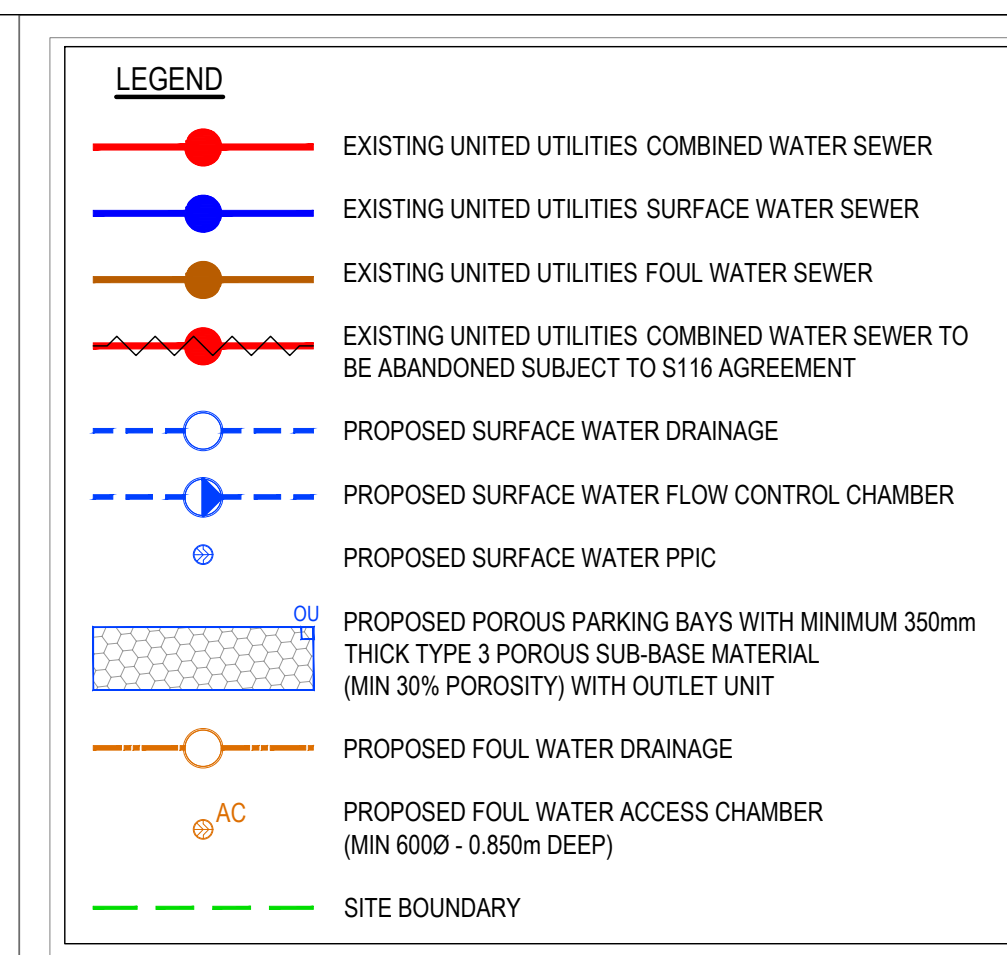
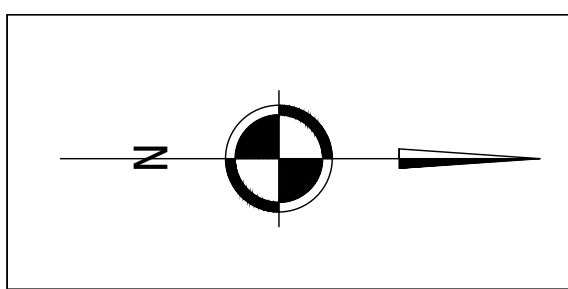




- ## GENERAL NOTES
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS, ARCHITECTS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
 - ALL RELEVANT DIMENSIONS TO BE OBTAINED/CHECKED AGAINST ARCHITECT'S DRAWINGS AND BY SITE MEASUREMENT PRIOR TO THE COMMENCEMENT OF WORKS OR ORDERING OF MATERIALS. DISCREPANCIES BETWEEN THE DRAWINGS AND SITE CONDITIONS TO BE NOTIFIED TO THE ENGINEER.
 - DO NOT SCALE FROM THIS DRAWING.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND SERVICES THAT MAY EXIST AND TO DIVERT THEM IF NECESSARY PRIOR TO THE COMMENCEMENT OF THE WORKS
 - MATERIALS OR WORKSMANSHIP NOT COMPLYING WITH THE ENGINEERS DRAWINGS AND SPECIFICATION SHALL BE DEEMED UNACCEPTABLE AND REMOVED FROM SITE AND REPLACED WITH WORK CORRECTLY MANUFACTURED, DELIVERED AND CLASSIFIED
 - ALL EXISTING INVERT LEVELS TO BE CHECKED BY THE CONTRACTOR AT THE START OF WORKS AND ANY OTHER DISCREPANCIES NOTIFIED TO THE ENGINEER. ALL LEVELS ARE BASED ON TOPOGRAPHICAL SURVEY INFORMATION PROVIDED BY OTHERS.
 - 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 A L.A., N.H.C. OR UNITED UTILITIES AS APPLICABLE.
 - ALL MATERIALS TO BE READ 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 PROVIDES THAT SULPHATE ATTACK FROM G.W.S. AND GROUNDWATER WATER CAN OCCUR TO WITHSTAND A CLASS 3 CONDITION)
 - WHERE "ULTRA HIGH" UHPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADAPTABLE DRAINAGE THEY SHALL STILL BE HANDED AND LAIN IN ACCORDANCE WITH THE SPECIFICATION AND DRAINAGE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION. A CLASS 3 BED AND SURROUND MUST BE USED.
 - TRENCH BACKFILL IN HIGHWAYS / CAR PARKS TO WITHIN 1m of HIGHWAY SHALL BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL. 3.3.4. BACKFILL MATERIAL IN OTHER AREAS SHALL BE SELECTED EXCAVATED MATERIAL FREE FROM STONES, CLUMPS, LUMPS, LARGER THAN 60mm. LUMPS, FROZEN MATERIAL OR VEGETABLE MATTER
 - UHPVC PIPES AND FITTINGS SHALL COMPLY WITH BS 436-01. CLAY PIPES AND FITTINGS SHALL BE TO BS 457-01. CONCRETE PIPES AND FITTINGS SHALL COMPLY WITH BS 5911. PIPES SHALL BE CLASS 3.
 - A CLASS 3 BED MUST BE MANUFACTURED TO UHPVC PIPES. A CLASS 3 BED MAY BE USED FOR V.C. AND CONCRETE PIPES.
 - UHPVC DRAINAGE TRENCHES ABOVE PIPE BEDDING AND SURROUND WITHIN ROAD AND CAR PARK AREAS TO BE GRANULAR FILL COMPLYING WITH CLASS #2 OF DOT TYPE 1 OR COURSE SOLIDUS CRACKED FROM TOP OF BEDDING
 - A CONCRETE SURROUND IS NOT NORMALLY REQUIRED TO MANHOLES UNLESS INSTALLED IN AREAS OF UNSTABLE GROUND, UNDER CONDITIONS OF FLOATION OR WHERE SUBJECTED TO EXCEPTIONAL, OR CENTRIC LOADS, IN WHICH CASE A 150mm SURROUND OF AT LEAST 20mm concrete SHOULD BE PROVIDED. ANY JOINTS SHOULD BE STAGGERED WITH THE PRECAST CONCRETE JOINTS.
 - DOUBLE STEPS SHALL BE PLASTIC ENCAPSULATED CARBON B.S IN BS 1247-MANHOLE STEPS. STEP RUNS AT 300mm, HORIZONTALLY & VERTICALLY MAY BE USED AS AN ALTERNATIVE TO DOUBLE STEPS.
 - ALL WORK TO BE IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE VERSION 2.2 AND UNITED UTILITIES WATER PLCS STANDARD CONSTRUCTION DETAILS.
 - TOP OF FOUNDATIONS ARE TO BE A MIN 750mm FROM FINISHED EXTERNAL LEVELS.
 - FOUNDATIONS WITHIN CLOSE PROXIMITY TO PROPOSED DRAINAGE WILL NEED TO BE AT THE SAME DEPTH AS DRAINAGE TO AVOID THE POTENTIAL FOR UNDERMINING.
 - MINIMUM COVER TO DRAINAGE SOFFIT LEVEL:

LANDSCAPING	TRAFFICKED AREAS	HIGHWAYS
0.60m	0.20m	
 - CLASS 3 BEDDING AND SURROUND TO BE USED WHERE MINIMUM COVER IS ACHIEVED.
 - WHERE MINIMUM COVER IS NOT ACHIEVED CLASS 7 BEDDING AND SURROUND (CONCRETE ENCASEMENT) IS TO BE USED

DRAINAGE NOTES

- FOUL AND SURFACE WATER CONNECTIONS ARE TO BE CONFIRMED
- 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

PST	04.10.2024	PRELIMINARY ISSUE	JLR	JP	KOB				
REV	DATE	DESCRIPTION	BY	CHK	APP				
DRAWING STATUS:									
PRELIMINARY									
CLIENT:									
ONE MANCHESTER									
ARCHITECT:									
BTP ARCHITECTS									
PROJECT:									
P500 MOSTON WINSTON ROAD									
TITLE:									
DRAINAGE STRATEGY									
STATUS	PROJECT NO.	PROJECT	ORIGINATOR	10/25/25	LEVEL	10%	SCALE	DRAWING NO.	REV
S2	222-100	WRM	AJP	ZZ	00	DR	C	0900	P01
SCALE @ A4	1:100	DESIGNED	LD	DRAWN	LD	CHECKED	JP	APPROVED	KOB
DATE									OCT 24