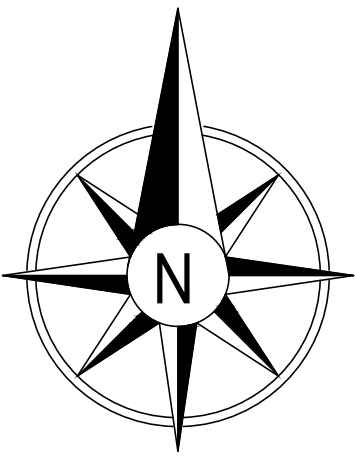
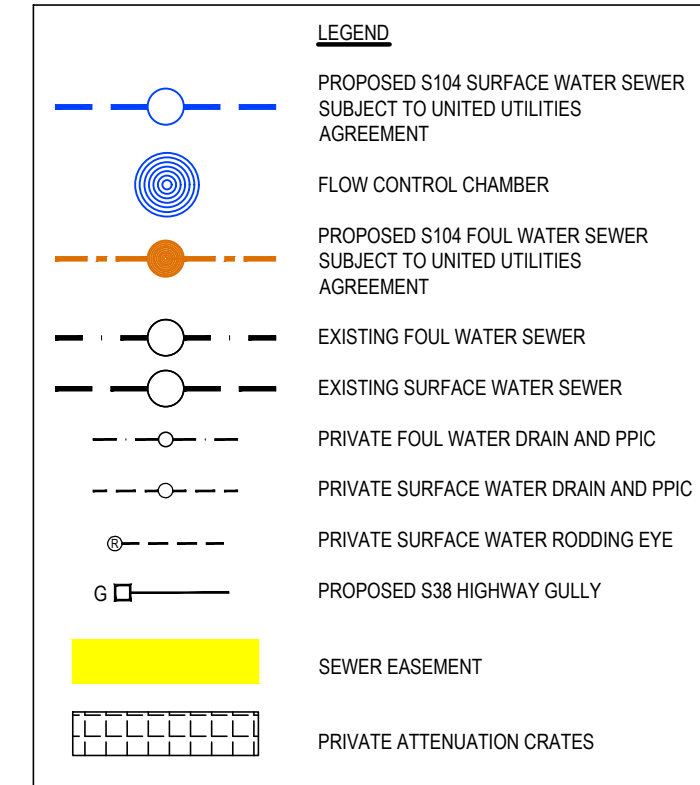




- ### GENERAL NOTES
- SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
 - ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CODE FOR ADOPTION DESIGN AND CONSTRUCTION GUIDANCE.
 - THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE 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 NOTES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE COM REGULATIONS AT ALL TIMES.
 - 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.
 - 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., H.M.B. OR THE NETWORK OPERATOR AS APPLICABLE.
 - WHERE PVCU PIPES 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 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.
 - SUB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE.
 - DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED GUIDANCE H. 110mm PVCU PIPES LAD TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN.
 - CLASS 'S' BEDDING AND SURROUND TO BE USED WHERE MINIMUM COVER IS ACHIEVED.
 - WHERE MINIMUM COVER IS NOT ACHIEVED CLASS 'Z' BEDDING AND SURROUND (CONCRETE ENCASEMENT) IS TO BE USED.
 - ALL GULLY CONNECTIONS TO BE 100mm VITRIFIED PVCU UNLESS NOTED OTHERWISE.
 - MINIMUM COVER TO DRAINAGE SOFFIT LEVEL.

LANDSCAPING	TRAFFICED AREAS	HIGHWAYS
0.60m	0.90m	1.20m



ALL SVP/SS/RWP POSITIONS TO BE CONFIRMED BY THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORKS ON SITE AND ANY DISCREPANCIES REPORTED BACK TO THE ENGINEER

PRELIMINARY SUBJECT TO CONFIRMATION OF ALL FOUL WATER POP UP AND RAINWATER DOWNPIPE LOCATIONS

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

C4	26.05.2021	COVER LEVELS TO INSPECTION CHAMBERS AROUND PLOT 51 AND ITS DRAINWAY RAN TO REDUCE FLOODING RISK IN EXTREME DRAIN EVENTS	LS	NMA	KOB
C3	12.05.2021	DRAINAGE UPDATED TO SUIT LIAISON COMMENTS AND LATEST PRINCE LEVELS. OFFLINE STORAGE VOLUME REDUCED. S10 OUTFALL LOCATION AMENDED TO SUIT SURVEY	LS	NMA	KOB
C2	20.04.2021	GULLIES UPDATED WITHIN ROAD 2	LS	NMA	KOB
C1	23.02.2021	CONSTRUCTION ISSUE	KB	NMA	KOB
PT	16.02.2021	MANHOLE PTS TO OUTFALL AND S10 TO OUTFALL AMENDED TO SUIT UNITED UTILITIES COMMENTS. DRAINAGE ONLY AMENDED TO SUIT FULL SITE BOUNDARY IS VISIBLE. ROAD NUMBER AND PLOT NUMBERS MADE CLEARER	ANA	NMA	KOB
PA	08.02.2021	GULLY ADDED TO PRIMROSE DRIVE. BELLMOUTH MADE VISIBLE	KB	NMA	KOB
PS	30.01.2021	GULLY ADDED TO PRIMROSE DRIVE. BELLMOUTH MADE VISIBLE	KB	NMA	KOB
PA	19.01.2021	NOTES AND KEY AMENDED. PROPOSED SEWER POSITIONS / DESIGN UPDATED	ANA	NMA	KOB
PS	30.08.2020	TENDER ISSUE	KB	NMA	KOB
PS	10.08.2020	MANHOLE POSITIONS UPDATED AND FLOODING REMOVED	ANA	NMA	KOB
PT	01.05.2020	PRELIMINARY ISSUE	ANA	NMA	KOB
REV	DATE	DESCRIPTION	BY	CHK	APP

DRAWING STATUS:		CONSTRUCTION							
CLIENT:	TORUS & HMS								
ARCHITECT:	BOWKER SADLER ARCHITECTURE								
PROJECT:	KNOWSLEY & ASTLEY								
TITLE:	S104 AGREEMENT PLAN PRIMROSE DRIVE								
STATUS:	PROJECT No	PROJECT	ORIGINATOR	VOLU/REV	LEVEL	TYPE	SCALE	DRAWING No	REV.
S2	219-196	KNL	AJP	XX	00	DR	C	1000	C4
SCALE	1:250	DRAWN	N. McCarty	CHECKED	A. McCarty	APPROVED	K. O'Brien	DATE	May 2020
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