



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 6TH 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 5 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. 4.34.
12. SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE
13. DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOCUMENT H. 110mm UP V.C. PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN:

	FOUL	S.W.
HEAD RUN	1 IN 40	1 IN 60
ELSEWHERE	1 IN 80	1 IN 100
14. ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE
15. MINIMUM COVER TO DRAINAGE SOFFIT LEVEL:

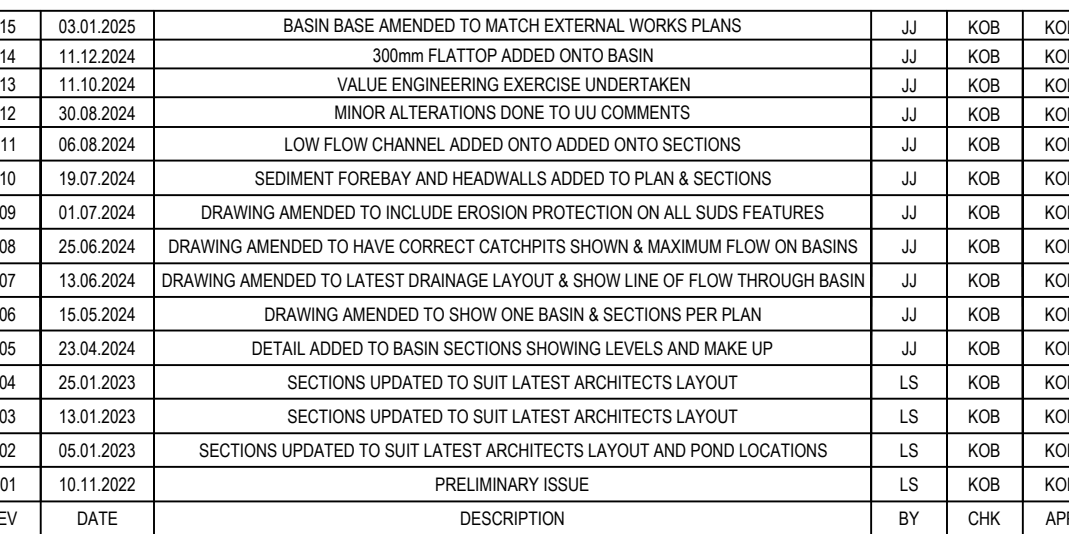
TRAFFICKED AREAS	HIGHWAYS	LANDSCAPING
0.900m	1.200m	0.600m
16. a. CLASS 5 BEDDING AND SURROUND TO BE USED WHERE MINIMUM COVER IS ACHIEVED
17. WHERE MINIMUM COVER IS NOT ACHIEVED CLASS 7 BEDDING AND SURROUND (CONCRETE ENCASEMENT) IS TO BE USED.
18. FOR SEDIMENT FOREBAY DRAWING PLEASE CHECK DRAWING HGVA-UP-XX-00-DR-C-1753 SECTION 104 SEDIMENT FOREBAY DETAIL 18.006

		FOUL	S.W.
	HEAD RUN	1 IN 40	1 IN 60
	ELSEWHERE	1 IN 80	1 IN 100
14.	ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE		
15.	MINIMUM COVER TO DRAINAGE SOFFIT LEVEL; TRAFFICKED AREAS	HIGHWAYS	LANDSCAPING 0.600m

16. FOR SEDIMENT FOREBAY DRAWING PLEASE CHECK DRAWING
HGV-AJP-XX-00-DR-C-1753 SECTION 104 SEDIMENT FOREBAY DETAIL 18.006

REFER TO UNITED UTILITIES STANDARD DRAWINGS FOR
CONSTRUCTION DETAILS

- STND/19/001 - TYPE 1 MANHOLE
- STND/19/002 - TYPE 2 MANHOLE & INVERT ACCESS DETAIL
- STND/19/003 - SHALLOW MANHOLE DETAIL FOR SMALL DIAMETER PIPES
- STND/19/004 - SHALLOW SW MANHOLE DETAIL
- STND/19/007 - EXTERNAL AND INTERNAL BACKDROPS
- STND/19/008 - PIPE EMBEDMENT DETAILS
- STND/19/010 - VARIABLE MANHOLE GUIDANCE NOTES



PLANNING STATUS: PRELIMINARY									
ENT: YOUR HOUSING GROUP									
OBJECT: BARTON WILLMORE									
OBJECT: HALSNECK GARDEN VILLAGE LICKERS LANE WHISTON									
LE: S104 ATTENUATION BASIN SECTIONS									
 SHEET 1									

STATUS	PROJECT NO.	PROJECT	ORIGINATOR	VOLU'S	LEVEL	TYPE	ROLE	DRAWING NO.	REV
S2	220-275	HGV -	AJP	-XX	-00	-DR	-C	1030	P15
SALE @ 40	100 & 1250	DESIGNED	LS	DRAWN	LS	CHECKED	KOB	APPROVED	KOB
								DATE	NOV 2022