



MANHOLE SCHEDULE						
MANHOLE REFERENCE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH (m)	MANHOLE DIA (mm)	MANHOLE TYPE	COVER DETAILS
IC 1	226.8	226.15	0.65	450	INSPECTION CHAMBER	450DIA A15
IC 2	226.8	226.11	0.69	450	INSPECTION CHAMBER	450DIA A15
IC 3	226.8	226.05	0.75	450	INSPECTION CHAMBER	450DIA A15

**GENERAL NOTES**

- ALL DIMENSIONS ARE IN MILLIMETRES UNO.
- ALL LEVELS ARE IN METRES UNO.
- THE DRAINAGE CONTRACTOR IS RESPONSIBLE FOR MAKING AN APPLICATION TO THE UTILITY COMPANY PRIOR TO CONSTRUCTION OF A CONNECTION TO THE PUBLIC SEWER.
- THE ENGINEER IS TO BE NOTIFIED OF ANY DISCREPANCIES TO THE DETAILS SHOWN ON THE DRAWINGS.
- ALL DIMENSIONS AND LEVELS ARE TO BE CONFIRMED BY THE CONTRACTOR ON SITE.
- ALL DRAINAGE POINTS ARE TO BE STOPPED AND KEPT FREE OF DEBRIS DURING CONSTRUCTION.
- ALL FOUL CONNECTIONS TO BE FULLY TRAPPED AND ANY FOUL CONNECTIONS TO A BRANCH DRAIN TO HAVE FULL RODDING ACCESS.
- MINIMUM DEPTH OF COVER TO THE CROWN OF GRAVITY PIPES WITHOUT PROTECTION SHOULD BE AS FOLLOWS:-
  - 350mm DOMESTIC GARDENS AND PATHS WITHOUT POSSIBLE VEHICLE ACCESS.
  - 500mm DOMESTIC DRIVEWAYS, PARKING AREAS AND YARDS WITH HEIGHT RESTRICTIONS TO PREVENT ENTRY BY VEHICLES WITH A GROSS WEIGHT IN EXCESS OF 7.5 TONNES.
  - 900mm DOMESTIC DRIVEWAYS, PARKING AREAS AND NARROW STREETS WITH LIMITED ACCESS FOR VEHICLES WITH A GROSS WEIGHT IN EXCESS OF 7.5 TONNES.
- BACKFILL TO DRAINAGE TRENCHES UNDER CARRIAGEWAYS TO BE TYPE 1 SUB-BASE MATERIAL. ELSEWHERE BACKFILL TO BE FREE DRAINING, READILY AVAILABLE COMPACTABLE MATERIAL FREE FROM RUBBISH, ORGANIC MATTER, FROZEN SOIL, CLAY LUMPS AND LARGE STONES.
- BACKFILL TO BE COMPACTED IN LAYERS NOT GREATER THAN 250mm.
- A FLEXIBLE JOINT IS TO BE PROVIDED AS CLOSE AS IS FEASIBLE TO THE OUTSIDE OF ANY STRUCTURE INTO WHICH A PIPE IS BUILT. LENGTH OF ANY ROCKER PIPES UTILISED TO BE AS FOLLOWS: -
  - 150-600mmDN - 600mm LONG.
- PIPE CROSSOVERS TO HAVE A MINIMUM OF 300mm BETWEEN THE TOP OF THE LOWER PIPE AND THE BOTTOM OF THE UPPER PIPE. WHERE THIS CAN'T BE ACHIEVED, A CONCRETE SURROUND SHOULD BE FORMED EXTENDING 1000mm EACH SIDE OF THE CROSSING POINT.
- ALL PRIVATE MANHOLES AND INSPECTION CHAMBERS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT BUILDING REGULATIONS APPROVED DOCUMENT H & BS EN 752-2017.
- COVER LEVELS ARE INDICATIVE ONLY - ACTUAL COVER LEVELS AND INCLINATION ARE TO MATCH THE FINISHED GROUND LEVEL.
- EXISTING MANHOLE COVER LEVELS AND INCLINATION ARE TO BE ADJUSTED TO SUIT THE FINISHED GROUND LEVEL.
- THRESHOLD DRAINS TO BE PROVIDED TO ALL EXTERNAL DOORS WITH FLUSH THRESHOLDS.
- ALL SURFACE WATER FROM PATHS, PATIOS, TERRACES ETC. ASSUMED TO DRAIN TO SOFT LANDSCAPED AREAS, EXCEPT WHERE PAVED AREA GULLIES OR CHANNEL DRAINS ARE PROVIDED.
- ALL PRIVATE DRAINAGE IS TO COMPLY WITH THE BUILDING REGULATIONS. WHERE DRAINAGE IS TO BE ADOPTED IS TO COMPLY WITH SEWERS FOR ADOPTION 6th EDITION.
- PIPE BEDDING SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURERS RECOMMENDATIONS TAKING INTO ACCOUNT THE DEPTH AND LOADING IN RELATION TO THE PIPE STRENGTH.
- PIPES ENTERING OR EXITING A MANHOLE/INSPECTION CHAMBER SHALL HAVE LEVEL SOFFITS U.N.O.
- RAINWATER PIPES NOT CONNECTED TO AN INSPECTION CHAMBER SHALL BE CONNECTED DIRECTLY TO DRAIN (NO ACCESS GULLY).
- ADOPTED DRAINAGE PIPEWORK TO BE HEPWORTH SUPERSLEVE VITRIFIED CLAY DRAINAGE SYSTEM TO BS EN 295 OR SIMILAR APPROVED. ALL JOINTS TO BE FLEXIBLE.
- PRIVATE DRAINAGE PIPEWORK TO BE EITHER HEPWORTH SUPERSLEVE VITRIFIED CLAY DRAINAGE SYSTEM TO BS EN 295 OR SIMILAR APPROVED OR HEPWORTH UPVC DRAINAGE SYSTEM TO BS EN 1401 OR SIMILAR APPROVED. ALL JOINTS TO BE FLEXIBLE.
- WHERE THE CROWN OF VC PIPE IS LESS THAN 1200mm BELOW FINISHED ROAD LEVEL OR CROWN OF UPVC PIPE IS LESS THAN 900mm BELOW FINISHED ROAD LEVEL, PIPE SHALL BE PROTECTED WITH A CONCRETE BRIDGING SLAB.
- WHERE PIPE IS LESS THAN 600mm BELOW FINISHED LANDSCAPE LEVEL, PIPE IS TO BE PROTECTED BY CONCRETE BRIDGING SLAB.

Rev	Date	By	Remarks

Project  
**LAND AT THE REAR OF 54  
TONACLIFFE ROAD**

Client  
**MR R. MARLAND**

Drawing  
**SURFACE WATER AND  
FOUL DRAINAGE ARRANGEMENT**

Number	<b>23-23033 - 002</b>	Rev	
Scale	1:50	Drawn	DC
Checked		Date	11.23

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