NOTES:

GENERAL NOTES

1. These notes are to be read in conjunction with Drg Nos ***SD/500/17-25***.
2. Manhole frames and covers are to be in accordance with EN124 and must show the EN124 Class, Name of Manufacturer, place of Manufacture and product identification. The frames and covers must show a third party certificate mark. The independent Certificate bodies approved by Leicestershire County Council include the BSI Kitemark or other equivalent recognised certification body.
3. The grade of cover to be in accordance with Drg No ***SD/500/17***.
4. Frames and covers shall be uncoated unless otherwise specified.
5. Covers laid to fall of finished surface.
6. The ogee is to be omitted from the lower and upper edges of the first and last chamber or shaft ring respectively.
7. For brick manholes and catchpits a half brick relieving arch shall be built around all pipes of 225mm diameter and above.
8. Inlet and outlet pipes normally to be laid with level soffits.
9. In shallow catchpits and manholes excluding Type S and SJ it is possible to have depths less than the minimum stated. This would reduce the height from top of base slab/benching to underneath of cover slab to less than the minimum of 900mm making access for maintenance very difficult. Where this is unavoidable it is recommended a brick catchpit be built with a 900mm x 600mm manhole cover as for brick manholes Type S and SJ.
10. A 50mm weep hole is to be constructed adjacent to the inlet pipes of all catchpits to drain the stone surround to pipes. A 50mm D5 pipe is to be utilised and to extend 1m out of the catchpit.
11. Precast concrete chambers shall comply with BS EN 1917.
12. Granolithic concrete shall be provided, laid and finished in accordance with the relevant provisions of BS 8204-2.
13. Cover slabs with ladders fitted must be as shown to maintain clear opening through cover slab.
14. All brickwork to be in class B Engineering bricks to series 2400, mortar and bedding material to Drg No ***SD/500/18***.
15. Toe-holes to be provided in manholes where pipes are greater than 450mm diameter.
16. For all pipelines except those constructed with corrugated pipes the nearest joint to any chamber shall be not more than 500mm from the inner face of the wall and shall not be restricted by any concrete. Between this and the next joint, the length of the rocker pipe shall be in accordance with the table below:-

NOMINAL PIPE DIAMETER (mm)	LENGTH OF ROCKER PIPE (mm)
450 and less	500 to 750
Greater than 450	750 to 1000

17. For deep manholes and catchpits requiring ladders the Contractor should submit a drawing of the ladder for the approval of the Engineer prior to manufacture.
18. Galvanised safety chain to be provided at all manholes with outlet pipes greater than 525mm diameter, see Drg No ***SD/500/22*** for fixing detail. Chain to be 8mm nominal size Grade M(4) non-calibrated chain, Type 1, complying with BS EN 818-1 and galvanised in accordance with BS EN ISO 1461.

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ENVIRONMENT AND TRANSPORT DEPARTMENT

TITLE:

DRAINAGE NOTES

MANHOLES, CATCHPITS AND BACKDROPS

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AUTOCAD REF	SCALE
K:\GENERAL\D9997STDDRG\STD DRGS 2015	NOT TO SCALE

Rev	Date	Notes on Revision
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