



NOTES:

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED.
ALL DIMENSIONS ARE INTERNAL AND IN MILLIMETERS
PIPE ROUTES ARE INDICATIVE ONLY. FOR CLARITY
PLEASE SEE DRAWING MECHANICAL SCHEMATIC
SYSTEM TO BE FLUSHED IN ACCORDANCE WITH BSRIA
GUIDE

WHERE TRENCHES ARE ON AN INCLINE, BACKFILL
MATERIAL MUST BE PREVENTED FROM BEING WASHED
AWAY BY GROUND WATER. THIS CAN BE DONE BY
INSTALLATION OF CONCRETE PLATES CAST INTO
POSITION AT REGULAR INTERVALS ALONG THE SECTION
OF SLOPING TRENCH

WHERE THE BOTTOM OF THE TRENCH MAY BE
UNSTABLE FROM WATERLOGGED, BOGGY GROUND OR
MARSHLAND, IT IS IMPORTANT THAT MEASURES ARE
TAKEN TO PROVIDE A CONSISTENT SUPPORT ALONG
THE ENTIRE LENGTH OF THE PIPE SYSTEM. THIS CAN
INCLUDE THE USE OF GENERAL CONSTRUCTION
METHODS SUCH AS NON-WOVEN FABRIC.

PERFECT BORES ARE REQUIRED FOR INSTALLATION. AS
HAIRLINE CRACKS MAY BE PRESENT IN THE CONCRETE
OR RESULT FROM DRILLING, IT IS ADVISABLE TO SEAL
THE ENTIRE LENGTH OF THE BOREHOLE WITH SUITABLE
SEALANT (SUCH AS AQUALGARD). TIGHTNESS CAN ONLY
BE GUARANTEED IF THIS RECOMMENDATION IS
FOLLOWED.

A COVER PLATE HAS TO BE USED WHEREVER THERE
MIGHT BE PUBLIC TRAFFIC AND FOR LOW-DEPTH
INSTALLATION. THE MAXIMUM LOAD PER UNIT OF AREA
MUST NOT EXCEED $q = 153 \text{ kN/m}^2$ (SLW 60 TO DIN
1055).

CORRECT INSTALLATION OF THE SAND MUST BE
ENSURED SO THAT THE PLATE CAN PERFORM ITS
FUNCTION AS A LOAD SHIELD FOR THE INSPECTION
CHAMBER. A PROCTOR DESTINY OF DPR = 96%
SHOULD BE THE TARGET FOR COMPACTION. FOR
SUBSEQUENT WORK ON THE INSPECTION CHAMBER,
THE COVER PLATE HAS LIFTING EYES. AFTER
COMPLETING THE WORK AND REFILLING THE PIT, MAKE
SURE THAT THE INFILL BETWEEN THE INSPECTION
CHAMBER AND CONCRETE SLABS IS RESTORED
CORRECTLY.

ALTHOUGH NOT ESSENTIAL, TO MINIMISE HEAT LOSS
FROM THE CHAMBER, IT CAN BE FILLED WITH
INSULATION MATERIAL SUCH AS MINERAL WOOL OR
POLYSTYRENE GRANULES. ALTERNATIVELY, BARE PIPE
CAN BE LAGGED CONVENTIONALLY. THE PLATE MUST BE
LOCATION SO THAT IT COMPLETELY COVER THE
CHAMBER BELOW.

FOR EXCAVATIONS PLEASE REFER TO HSE BEST
PRACTICE GUIDANCE

FOR ALL FIXINGS AND DRILLING OPERATIONS PLEASE
REFER TO HSE BEST PRACTICE GUIDANCE

E	ROUTE CHANGED	NDP		01/07/2016	
D	44M X50Ø REVISD TO UNO	AWO	NDP	DSM	01/03/2016
C	TRENCH DETAIL AMENDED	AWO	NDP	DSM	25/02/2016
B	TRENCH DETAIL ADDED	AWO	NDP	DSM	23/02/2016
MK	REVISIONS	DRN	CHK	APP	DATE

**COFTON HOLIDAY PARK
EX6 8RP**

UNDERGROUND SERVICES

PRELIMINARY

ORIGINAL DRAWING SIZE A3 SCALE NTS

DRAWING NUMBER T642 - 200 REV. E

