MAIN SEWER NOTES

All sewer works to comply with WRc "Sewers for Adoption – 5th Edition" AND Severn Trent Water Ltd Sewers for Adoption Addendum.

All pipes to have Class "S" Granular bed and surround unless otherwise stated.

All sewer trenches and branch connections to be backfilled with suitable material in layers not exceeding 225mm unconsolidated thickness then fully compacted.

Excavations under proposed or existing highways to be backfilled with MoT Type 1 material.

Excavations, backfilling and reinstatment in public highways shall be carried out in accordance with the requirements of the Street Works (Reinstatement) Regulations 1992 and relevant provisions of the HAUC "Specification for the Reinstatment of Openings in Highways" 1992, both made under Section 71 of the New Road and Street Works Act 1991.

Pipe surround shall be completed by compacting granular material in layers not exceeding 150mm before compaction to a minimum thickness of 300mm above the crown of the pipe.

Any pipe with less than 1.2m cover to have concrete surround with Flexcell or similar at all joints.

When in the highway, the outside of the sewer should be a minimum of 1m from the kerb line and the outside of manholes should be a minimum of 0.5m from the kerb line.

Type "B" manholes max depth to soffit less than 3.0m all as detailed WRc spec page 23.

All adoptable sewers (unless otherwise stated):
150mm dia to be vitrified clay (Fn=40kN/m)to BS EN 295.
225mm dia to be vitrified clay (Fn=36kN/m) to BS EN 295.
300mm dia to be vitrified clay (Fn=48kN/m) to BS EN 295.
375mm dia and greater to be concrete (Class M) to BS 5911.

Connections from main sewers to first IC to be 150mm dia mimimum.

Should the contractor wish to use a plastic drainage system (Ultra–rib,or similar approved) the contractor must obtain the approval of the Local Authority and it is to be installed in accordance with the manufacturer's recommendations.

All gully connections to be 150mm dia vitrified clay (Fn=40kN/m) minimum. All connections to sewers to be junctions not saddles.

Class D400 covers and frames shall be 150mm thick to BS EN 124 and provided in all new highways / pedestrian streets, heavily trafficked areas and all existing highways (Cl 4.2.32).

Class B125 covers and frames to be provided on all other manholes.

First pipe out of manholes to be as short as practicable so as to provide a flexible joint as close as possible to the outside face of the concrete surround and connected to a rocker pipe.

All pipe diameters given are nominal internal pipe diameters including rising mains.

All invert levels of existing Foul and Surface Water systems are to be confirmed prior to the commencement of any on site drainage works. Any discrepancy in levels is to be reported immediately to The Rutter Johnson Partnership.

NOTE
Contractor to expose and check positions, pipe diameter and invert level of existing surface water and foul water sewers. Any discrepancy must be reported to Engineer for clarification before proceeding.

HIGH PEAK BOROUGH COUNCIL
GLOSSOP SITE
RECEIVED
25 SEP 2006
FILE REF. HPK/D2006/0835
REPLY REQUIRED

Revision	Description	Date	Rev. By
Q	Foul sewer F11 – F35 revised inverts	Aug '05	L.R
P	Foul sewer replaced across river	July '05	L.R
N	Off Line Tank extended S41 – S44 Overflow loop pipe added	May '05	L.R
M	S.W Sewers upgraded for 1in100yr Box culvert now 3.0m x 1.8m Off Line Tank added S41 – S44 S41 lengthened, S44 added	May '05	L.R
L	REMODELLED WITH SEVERN TRENT DATA HIGHWAY DRAIN TO SUIT SCHEDULE	JAN '05	RAH
K	FOUL CONNECTION TO EXISTING	DEC '04	RAH
J	REQUIRED SITE ALTERATIONS	NOV '04	RAH
H	DRAG OUT LEVELS ADDED	OCT '04	RAH
G	JUNCTION CONFIRMED. PLOTS UPDATED	SEPT '04	RAH
F	ROAD 5 & 3 GULLYS FOR GLEESON	AUG '04	RAH
E	REVISED Tech Apprvl Submission	JUL '04	L.R
D	FIELD ACCESS AND CAR PARK ADDED	JAN '04	RAH
C	ROAD 8 TO SUIT FHL REVISED LAYOUT	JAN '04	RAH
B	AMENDED TO SUIT COMMENTS	JAN '04	RAH
A	PLOT AND ROAD LEVELS TO SUIT SITE.	JAN '04	RAH

Rutter Johnson
Consulting Civil & Structural Engineers
Link House, 273 Crown Lane, Horwich, Bolton, BL6 5HY.
Tel: 01204 675550 Fax: 01204 695172
Web: www.rutterjohnson.co.uk
E–mail: enquiries@rutterjohnson.co.uk

SECTION 104
HIGHWAY AND DRAINAGE LAYOUT

LEEK ROAD, BUXTON

WOODFORD GROUP

Scale	Date	Drawn By
1:500	Sept '03	R Houghton

Drg No. 02178/D101 Rev. SEC104 - Q

The works detailed on this drawing have been assessed in accordance with Regulation 13 of the CDM Regulations 1994. Copies of these assessments are available on request.

This drawing is copyright of Rutter Johnson. Reproduction is only permitted by prior arrangement.