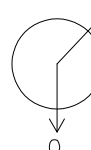
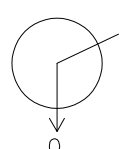
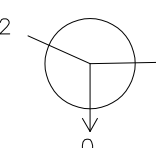
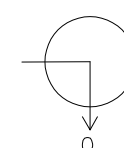


Manhole Number		Cover Level	Pipe				Manhole Size	Types		
Coordinates		Depth To Soffit	Connections	Code	Inverts	Diams		Manhole	Cover	
F1		178.201		0	1.000	176.300	150	1200	B	D400 600 X 600
E.	411940.229	1.751								
N.	418993.894									
F2		176.453		1	1.000	173.800	150	1200	B	D400 600 X 600
E.	411977.566	2.503								
N.	418990.958									
F3		176.503		1 2	2.000 1.001	173.750 173.750	150 150	1200	B	D400 600 X 600
E.	411980.797	2.603								
N.	418996.612									
F4		173.670		1	1.002	171.800	150	1200	B	D400 600 X 600
E.	412026.426	1.720								
N.	418992.163									
F5		172.250		1	1.003	170.100	150	1200	B	D400 600 X 600
E.	412022.730	2.000								
N.	418955.774									
C1		171.150		1 2	1.004	169.420 169.420	150 150	1200	B	D400 600 X 600
E.	412018.468	1.580								
N.	418945.231									
				0		169.420	150			

[illegible]

All adoptable sewer works and material to be in accordance with the Code for Adoption'. The Relevant British/European and Yorkshire Water Standards/requirements in accordance to the Mechanical and Electrical Specification and Kitemarked.

2. Manhole covers must have a clear opening of 600mm and shall be Class D400 to BS EN 124 with 150mm deep frames in highways.

3. Filled ground must be filled and consolidated under the supervision and to the satisfaction of Yorkshire Water before any sewerage works are carried out.

4. Yorkshire Water are not obliged to accept free drainage drainage runoff into the public sewer network or adoptable drainage system (directly or indirectly). An alternative method of disposal of land drainage runoff will therefore be required. Please consult with the Local Authority/Land drainage Section.

5. The adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.

6. Sewers must have 5 metres clearance from trees and hedgerows or the width of canopy at mature height.

7. Sewers to be laid in Class "S" bedding (150mm granular bed & surround.) The depth of cover to the top of the sewer is less than 1.2m to a Highway and verges (or less than 900mm in non vehicular areas) then a concrete slab should be provided above the granular bed and surround.

8. Bedding and backfill material to conform to the requirements of Water Industry Specification 4-08-02 (Table A2)

9. Yorkshire Water policy is that Type "C" brick manholes and 1500mm dia manhole rings are not to be used. Instead it is preferred that you use a Type "B" manhole with 1200mm dia or 1500mm dia pipes with the opening sized over the channel where depth of cover to pipe soffit is 1.0-1.5m

10. Adoptable plastic sewer pipes to be BS1 Kitemarked

11. Adopted 150mm dia 4.5K to 150mm dia 4.5K/EN13476). Adoptable plastic sewer pipes to be 1500mm dia 4.5K to 1500mm dia 4.5K/EN13476). The minimum crushing strength for clay pipes shall be lay longer lengths. Plastic channel sections in manholes are not acceptable, Yorkshire Water require clay channels in manholes.

12. The minimum crushing strength for clay pipes should be as follows:
1000mm dia, 40KNm, 1500mm dia, 40KNm, 225mm dia, 45KNm, 300mm dia, 72KNm.

13. The minimum crushing strength for concrete pipes should be -
1200mm dia to BS EN13476/BS5911-1 2002).

14. Plastic pipes should conform to BS 435-01 and BS EN13476

15. Where a B125 cover and frame has been approved, this must not be coated in plastic and must have lifting eyes suitably sized to accommodate standard lifting keys.

16. Plastic covers are not acceptable.

17. There must be enough clearance at crossovers to accommodate bedding to both pipes (approx 300mm). If crossover is near the roker then the clearance needed may need to be increased.

Preliminary

Newett Homes

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