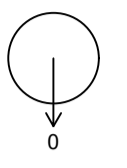
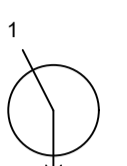
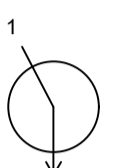
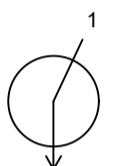
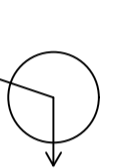
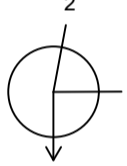
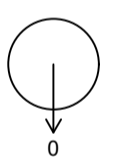
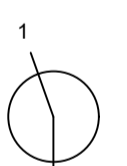
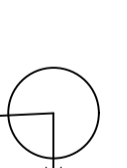
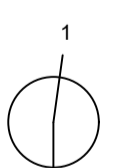
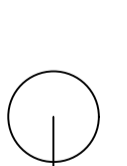
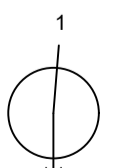
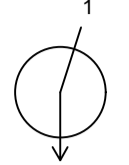
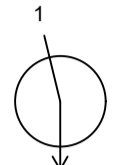
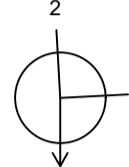
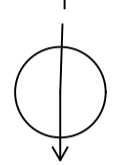
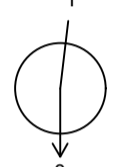
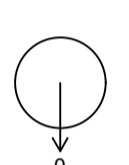
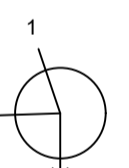
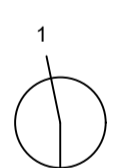
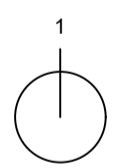

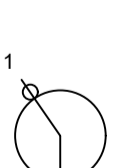


Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S1	39.357		0	1.000	37.932	225	C	D400
	E. 446754.604 N. 404035.989							
S2	36.604		1	1.000	35.179	225	C	D400
	E. 446810.774 N. 404024.265							
S3	36.118		1	1.001	34.591	300	C	D400
	E. 446825.484 N. 404012.480							
S4	35.658		1	1.002	34.146	300	C	D400
	E. 446836.014 N. 403988.609							
S5	35.331		1	1.003	33.833	300	C	D400
	E. 446846.436 N. 403979.555							
S6	33.539		1	1.004	32.046	300	C	D400
	E. 446833.749 N. 403948.652		2	2.000	32.121	225		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S19	37.433		0	3.000	35.997	225	C	D400
	E. 446875.215 N. 403997.055							
S20	38.350		1	3.000	35.891	225	B	D400
	E. 446893.158 N. 403995.795							
S21	37.635		1	3.001	35.645	300	B	D400
	E. 446930.734 N. 403979.459							
S22	36.484		1	3.002	34.622	300	B	D400
	E. 446918.088 N. 403953.863							
S23	36.296		0	4.000	34.871	225	C	D400
	E. 446963.647 N. 403961.981							
S24	34.684		1	4.001	33.259	225	C	D400
	E. 447005.644 N. 403937.906							

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S7	34.000		1	1.005	31.709	525	B	D400
	E. 446858.612 N. 403938.335							
S8	34.600		1	1.006	31.630	525	B	D400
	E. 446877.413 N. 403936.809							
S9	34.871		1	3.003	31.717	300	B	D400
	E. 446908.952 N. 403926.420		2	1.007	31.492	525		
S10	33.850		1	1.008	31.282	525	B	D400
	E. 446947.063 N. 403911.492							
S12	32.350		1	1.009	30.626	525	C	D400
	E. 446982.330 N. 403899.110							
S16	33.800		0	2.000	32.375	225	C	D400
	E. 446809.322 N. 403964.562							

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S25	32.851		1	4.001	30.014	225	B	D400
	E. 447060.121 N. 403912.113							
S27 - Flow control	32.170		1	1.013	28.250	600		
	E. 447064.591 N. 403901.244							
S28 - Inlet chamber	31.971		1	1.014	28.165	150		
	E. 447064.591 N. 403897.767							
S29	31.768		1	1.010	30.044	525	C	D400
	E. 447037.403 N. 403886.820							
S30 - Tank	32.692		1	1.012	29.675	525		
	E. 447062.906 N. 403909.444							

Notes:

- All pipes shall be either:
A - Vitrified clay to BS EN 295 with a minimum crushing strength as follow :-
150 dia. - 40 kN/m
225 dia. - 45 kN/m
300 dia. - 72 kN/m
B - PVC (certified to WIS 4-35-01 & BS/EN 13476)
C - Class 120 concrete to BS 5911-1:2002/EN 1916.
- All pipes should always connect soffit to soffit unless noted otherwise.
- All sewers to have BSI kitemark status (certified to WIS 4-35-01 & BS EN 13476). Maximum pipe length to be 3m. Plastic channel sections in manholes are not acceptable. Clay channel sections shall be used.
- Sewers to be laid in Class "S" Bedding (150mm granular bed and surround). Where depth of cover to top of the sewer is less than 1.2m in highways and verges (or less than 900mm in none vehicular access areas) then a concrete slab should be provide above granular bed and surround.
- Manhole covers shall/must have a clear opening of 600 and shall be class D400 to BS EN 124 with 150 deep frames in highways.
- Pipes entering manholes and road gullies shall have a flexible joint within 600 of the inside the manhole or gully joining with a short Rocker pipe.
- The adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
- Sewers must have 5m clearance from trees and hedges
- All trenches in roads and paved areas shall be backfilled with Type 1 DOT granular sub-base material, or other granular material approved by the highway authority.
- Fill ground must be filled and consolidated under the supervision and to the satisfaction of IWNL before any sewer works are carried out.
- All insitu concrete to be designated mix FND2 to BS 8500-1 unless agreed otherwise.
- The invert levels at the proposed points of connection to existing public sewers shall be checked before any new drains are constructed. Any variation to the levels shown on the drawing shall be notified to Eastwood & Partners.
- The chamber size of manholes with more than one connection in them may need to be increased an increment to accommodate the connections and bends.
- Cover levels are indicative only. Covers to be set to suit camber/gradient of existing and proposed roads.
- Cover slabs must carry the BSI Kitemark or will be rejected by IWNL Inspector. Where the clear opening of the Kitemarked product is different to that of the cover and frame, a loading bearing slab should be fitted above the cover slab to bring the size down to 600mm x 600mm for the IWNL specified cover size. Please refer to Concrete Pipe Systems Association (CPSA), "Technical Bulletin" issued Autumn 2004 for Kitemarked cover slab opening sizes.
- All foul lateral sewers and drains to be 1500 unless noted otherwise.
- IWNL policy is that Type "C" brick manholes and 1050mm dia manhole rings are not preferred. Instead it is preferred that you use a type "B" manhole with 1200mm dia or 1500mm dia rings, with the opening sited over the channel where depth of cover to pipe soffit is 1 - 1.5m.
- Manhole covers shall/must have a clear opening of 600mm and shall be Class D400 to BS EN 124 with 150mm deep frames in highways.
- 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. Screw down covers are not acceptable.
- All adoptable sewer works and material to be in accordance with "Code for Adoption". The Relevant British/European and IWNL's Standards/Requirements/Addendum to the Mechanical and Electrical Specification and Kitemarked.
- IWNL is not obliged to accept filter drain/land drainage run-off into the public sewer network or adoptable drainage system (directly or in-directly). An alternative method of disposal of the land drainage run-off will therefore be required and you will have to liaise with the Local Authority, Land Drainage Section with regard to the disposal of the filter drain/land drainage run-off.
- Sulphate resistant cement (C20-DC2) and precast concrete products must be used or a laboratory report provided proving that such precautions are not necessary.
- Bedding and backfill material to conform to the requirement of Water Industry Specification 4-08-02 (Table A2).
- Adoptable plastic sewer pipes to be BSI Kitemarked (certified to WIS 4-35-01 and BS/EN13476). Adoptable plastic sewer pipes to be laid in maximum 3 metre lengths unless there is a specific operational need to lay longer lengths. Plastic channel sections in manholes are not acceptable and IWNL would prefer dryware channel in manholes. We have found that plastic channels are difficult to set in concrete because they float and a satisfactory finish cannot be obtained on the bedding.
- The clearance of the crossover points (min 300mm) between the surface water, foul sewers, rising main and other services should be sufficient clearance to provide 150mm surround of a certain mm that exceeds this (200mm).
- All adoptable laterals to be 1500 and VC unless stated otherwise

P02	Revised to suit latest site layout.	CTB	GH	01.09.2023
P01	First issue.	CD	GH	24.07.2023
REV	DESCRIPTION	SIG	CHK	DATE

HOMES BY HONEY

BARNBURGH LANE, GOLDTHORPE

MANHOLE SCHEDULES SHEET 1



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ECE PROJECT No	SCALE AT A1	STATUS	SUITABLE FOR
47619	NTS	S0	Initial
DRAWING NUMBER		REV	
47619 - ECE - XX - XX - DR - C - 0017	P02	Project	Originator
Zone	Level	Type	Role
			Number