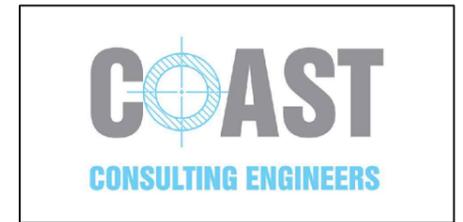


PHASE: 0										
MH No.	DIAGRAM	CONDUIT INVERTS (m)	MANHOLE DIMENSION (mm)	MANHOLE TYPE	COVER TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
F1		A 134.225	1200Ø	Type B	D400	136.284	134.225	1.909	437490.178	401735.302
F2		A 133.939 B 133.939	1200Ø	Type A	D400	137.282	133.939	3.193	437455.203	401715.573
F3		A 135.225	1200Ø	Type A	D400	138.459	135.225	3.084	437418.771	401694.971
F4		A 133.688 B 133.688 C 135.015	1200Ø	Type A	D400	138.301	133.688	4.463	437424.410	401698.204
F5		A 133.30 B 133.30	1200Ø	Type A	D400	138.253	133.300	4.803	437408.595	401726.240
F6		A 133.13 B 133.13	1200Ø	Type A	D400	138.451	133.130	5.171	437396.745	401748.796
F7		A 133.04 B 133.04	1200Ø	Type A	D400	138.564	133.040	5.374	437384.343	401752.184
F8		A 132.71 B 132.71	1200Ø	Type A	D400	138.525	132.710	5.665	437338.684	401733.390
F9		A 132.63 B 132.63	1200Ø	Type A	D400	138.421	132.630	5.641	437326.985	401731.599
F10		A 132.44 B 132.44	1200Ø	Type A	D400	138.220	132.440	5.630	437305.243	401749.354
F11		A 132.25 B 132.25	1200Ø	Type A	D400	137.818	132.250	5.418	437276.822	401749.668
F12		A 132.18 B 132.18	1200Ø	Type A	D400	137.410	132.180	5.080	437269.198	401743.341
F13		A 132.05 B 132.05	1200Ø	Type A	D400	136.657	132.050	4.457	437261.088	401726.089
F14		A 131.955 B 131.955	1200Ø	Type A	D400	136.359	131.955	4.254	437261.954	401711.989
F15		A 131.695 B 131.695	1200Ø	Type A	D400	136.057	131.695	4.212	437288.668	401684.197
F16		A 131.535 B 131.535	1200Ø	Type A	D400	135.840	131.535	4.155	437301.108	401663.994
F17		A 131.33 B 131.33	1200Ø	Type A	D400	135.573	131.330	4.093	437317.231	401637.810
F18		A 131.04 B 131.04	1200Ø	Type A	D400	134.354	131.040	3.164	437284.406	401609.724

INDEPENDENT WATER NETWORKS LIMITED (IWNL) NOTES:

- ALL ADOPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH "DESIGN AND CONSTRUCTION GUIDANCE (DCG)/CODE FOR ADOPTION", THE RELEVANT BRITISH/EUROPEAN AND IWNL'S STANDARDS/REQUIREMENTS/ADDENDUM TO THE MECHANICAL AND ELECTRICAL SPECIFICATION AND KITEMARKED.
- MANHOLE COVERS SHALL/MUST HAVE A CLEAR OPENING OF 600mm AND SHALL BE CLASS D400 TO BE EN 124 WITH 150mm DEEP FRAMES IN HIGHWAYS.
- FILLED GROUND MUST BE FILLED AND CONSOLIDATED UNDER THE SUPERVISION AND TO THE SATISFACTION OF IWNL BEFORE ANY SEWER WORKS ARE CARRIED OUT.
- IWNL IS NOT OBLIGED TO ACCEPT FILTER DRAIN/LAND DRAINAGE RUN-OFF INTO THE PUBLIC SEWER NETWORK OR ADOPTABLE DRAINAGE (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 REGARDING THE DISPOSAL OF FILTER DRAIN/LAND DRAINAGE RUN-OFF.
- THE ADOPTABLE SEWERS SHOULD BE A MINIMUM OF 1m AND 0.5m FROM KERB FACES AND SERVICE MARGINS.
- SEWERS MUST HAVE A 5m CLEARANCE FROM TREES AND HEDGES OR THE WIDTH OF THE CANOPY AT MATURE HEIGHT.
- 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 0.9m IN NON-VEHICULAR AREAS) THEN A CONCRETE SLAB SHOULD BE PROVIDED ABOVE GRANULAR BED AND SURROUND.
- BEDDING AND BACKFILL MATERIAL TO CONFORM TO THE REQUIREMENT OF WATER INDUSTRY SPECIFICATION 4-08-02 (TABLE A2).
- IWNL'S POLICY IS THAT BRICK MANHOLES AND "TYPE C" 1050mm DIA MANHOLE RINGS ARE NOT PREFERRED. INSTEAD, IT IS PREFERRED THAT A "TYPE B" MANHOLE WITH 1200mm DIA OR 1350mm DIA RINGS ARE USED, WITH THE OPENING SITED OVER THE CHANNEL WHERE DEPTH OF COVER TO PIPE SOFFIT IS 1 - 1.5m.
- ADOPTABLE PLASTIC SEWER PIPES TO BE BSI KITEMAKRED (CERTIFIED TO WIS 4-35-01) AND BS/EN13476). ADOPTABLE PLASTIC PIPES SEWER PIPES TO BE LAID IN MAXIMUM 3m LENGTHS UNLESS THERE IS A SPECIFIC OPERATIONAL NEED TO LAY LONGER LENGTHS. PLASTIC CHANNEL SECTIONS IN MANHOLES ARE NOT ACCEPTABLE AND YORKSHIRE WATER WOULD PREFER CLAYWARE CHANNEL IN MANHOLES.
- THE MINIMUM CRUSHING STRENGTH FOR CLAY PIPES SHOULD BE AS FOLLOWS: 100mm DIA. 40kN/m, 150mm DIA. 40kN/m, 225mm DIA. 45kN/m, AND 300mm DIA. 72kN/m. THE MINIMUM CRUSHING STRENGTH FOR CONCRETE PIPES SHOULD BE - (CLASS 120 TO EN 1916/BS5911-1 2002). PLASTIC PIPES SHOULD CONFIRM TO WIS 4-35-01 AND BS EN13476.
- 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.
- THERE MUST BE ENOUGH CLEARANCE AT CROSSOVERS TO ACCOMMODATE BEDDING TO BOTH PIPES, APPROX 300mm. IF CROSSOVER IS NEAR THE ROCKER THEN THE CLEARANCE NEEDED MAY NEED TO BE INCREASED.

P5	21.11.25	F1, F2 & F4 Invert level revised	GW
P4	21.10.25	Notes changed to IWNL notes	PB
P3	15.08.25	F1-F4, F17 & F18 revised	PB
P2	13.08.25	F3 revised	PB
P1	30.06.25	Preliminary Issue	PB
Issue	Date	Description	By



7 Silvertown Court, Northumberland Business Park, NE23 7RY
0191 5977879

Client
BELLWAY HOMES

Job Title
HOYLAND BARNESLEY

Drawing Title
FOUL WATER MANHOLE SCHEDULE

Scale at A3
Drawing Status
PRELIMINARY

Job No	Drawing No	Issue
25035	102	P5