



- Notes
- All levels in metres Above Ordnance Datum Newlyn.
 - Any anomalies on this drawing should be brought to the attention of Egniol Consulting Ltd.
 - This drawing is to be read in conjunction with all other relevant engineer's and architect's drawings and relevant specification clauses.
 - All drainage components are to comply with current British standards & building regulations requirements.
 - All works and materials to be in accordance with the specification for highway works (tsw series 500).
 - Drainpipes through walls or beneath foundations (spread only) to have a bridge inlet over & pipe surrounded in flexible material (50mm).
 - All pipes into m/s's to be soffit to soffit unless noted otherwise.
 - At all outfall points to an existing network, the position and invert level of existing drains must be confirmed by Contractor well in advance of the programmed date for installing any of the upstream drainage, or ordering any materials in order to allow time for any necessary revisions to the hydraulic design.
 - All access chambers can be cut to intermediate sizes, the chambers are not designed to withstand heavy traffic loads and in particular, care should be exercised during site construction, a concrete collar fitted in-situ may be the most effective means of providing such protection.
 - All gravity pvcu pipework to be to be 4560 or be 5481 where relevant unless noted otherwise.
 - The contractor must self-test and certify that the design criteria, material standards and workmanship specification for the proposed adjustable sewers are in accordance with those set out in Section for adoption 7th edition and the requirements of statutory sewerage undertaker.
 - If it is intended to utilise upvc pipe work the installer must be accredited with the British plastic Federation (BPF), plastic pipes group for such an installation, please supply a copy of the accreditation certificate before any order is placed or work on site commences.
 - The following plastic pipes are approved by Statutory Undertaker for diameters of 150mm-300mm.
 - Manley twinwall system
 - Upocast ultrafib system
 - Clerna ultrafib system
 - Polysewer twinwall system
 - Polypipes - rigidwre (400mm-600mm & 700mm-900mm)

- Key
- Proposed surface water chamber and drain
 - Proposed Aco drain
 - Proposed foul chamber and pipe run
 - Existing DWW foul water sewer
 - P.V.P
 - Proposed rain water pipe and back inlet hopper with pipe run

Rev	Modification	By	Chk	App	Date



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T & CA Banks

Housing Development
Site Adjacent to Maes Llwyd
Llanystumdwy

Proposed Drainage Layout

Date	By	Checked by	PNN	Approved by	PNN
14.04.2021	JB	PNN	PNN	PNN	PNN
09.06.2021					

Scale: 1:200

Final

Drawing Number: ECL.8272.D05.001

MANHOLE SCHEDULE								
MANHOLE REF.	COVER LEVEL	INVERT LEVEL	CHAMBER TYPE	COVER TYPE	CHAMBER SIZE	CHAMBER DEPTH	DOWNSTREAM PIPE SIZE	DOWNSTREAM PIPE BEDDING DETAIL
SURFACE WATER								
S1	17.336	16.886	TYPE 4	CLASS-B125	460mm Ø	0.450	100mm Ø	Class 2 Bed & Surround
S2	17.933	16.763	TYPE 4	CLASS-B125	460mm Ø	1.170	100mm Ø	Class 2 Bed & Surround
S3	17.805	16.815	TYPE 4 CP	CLASS-A15	460mm Ø	1.29	100mm Ø	Class 2 Bed & Surround
S4	17.905	16.560	TYPE 4	CLASS-A15	460mm Ø	1.345	100mm Ø	Class 2 Bed & Surround
S5	17.905	16.987	TYPE 4	CLASS-A15	460mm Ø	0.450	100mm Ø	Class 2 Bed & Surround
S6	17.905	17.405	TYPE 4 CP	CLASS-A15	460mm Ø	0.500	100mm Ø	Class 2 Bed & Surround
S7	16.870	16.420	TYPE 4	CLASS-A15	460mm Ø	0.450	100mm Ø	Class 2 Bed & Surround
S8	16.870	16.375	TYPE 4 CP	CLASS-A15	460mm Ø	0.495	100mm Ø	Class 2 Bed & Surround
S9	16.870	16.420	TYPE 4	CLASS-B125	460mm Ø	0.450	100mm Ø	Class 2 Bed & Surround
S10	16.988	16.317	TYPE 4	CLASS-B125	460mm Ø	0.670	100mm Ø	Class 2 Bed & Surround
S11	16.870	16.175	TYPE 4 CP	CLASS-A15	460mm Ø	0.695	100mm Ø	Class 2 Bed & Surround
S12	16.870	16.150	TYPE 4	CLASS-A15	460mm Ø	0.720	100mm Ø	Class 2 Bed & Surround
S13	16.870	16.220	TYPE 4	CLASS-A15	460mm Ø	0.450	100mm Ø	Class 2 Bed & Surround
S14	16.670	16.118	TYPE 4	CLASS-A15	460mm Ø	0.532	100mm Ø	Class 2 Bed & Surround
S15	16.870	15.820	TYPE 4	CLASS-A15	460mm Ø	0.744	100mm Ø	Class 2 Bed & Surround
S16	16.670	15.888	TYPE 4 CP	CLASS-A15	460mm Ø	0.802	100mm Ø	Class 2 Bed & Surround
S17	16.670	16.220	TYPE 4	CLASS-A15	460mm Ø	0.450	100mm Ø	Class 2 Bed & Surround
S18	16.670	16.145	TYPE 4 CP	CLASS-A15	460mm Ø	0.525	100mm Ø	Class 2 Bed & Surround
S19			TYPE 2	CLASS-A15	900mm Ø		100mm Ø	Class 2 Bed & Surround

*CP - Denotes catchpit chamber with 300mm sump

MANHOLE SCHEDULE								
MANHOLE REF.	COVER LEVEL	INVERT LEVEL	CHAMBER TYPE	COVER TYPE	CHAMBER SIZE	CHAMBER DEPTH	DOWNSTREAM PIPE SIZE	DOWNSTREAM PIPE BEDDING DETAIL
FOUL WATER								
F1	16.595	14.100	TYPE 2	CLASS-D400	1200mm Ø	2.495	100mm Ø	Class 2 Bed & Surround
F2	16.833	15.200	TYPE 2	CLASS-D400	1200mm Ø	1.433	100mm Ø	Class 2 Bed & Surround
F3	16.831	16.221	TYPE 4	CLASS-B125	460mm Ø	0.450	100mm Ø	Class 2 Bed & Surround
F4	16.831	15.295	TYPE 4	CLASS-B125	460mm Ø	1.415	100mm Ø	Class 2 Bed & Surround
F5	16.831	15.261	TYPE 4	CLASS-B125	460mm Ø	1.390	100mm Ø	Class 2 Bed & Surround
F6	16.895	15.295	TYPE 2	CLASS-D400	1200mm Ø	1.430	100mm Ø	Class 2 Bed & Surround
F7	16.868	16.419	TYPE 4	CLASS-B125	460mm Ø	0.450	100mm Ø	Class 2 Bed & Surround
F8	16.869	16.419	TYPE 4	CLASS-B125	460mm Ø	0.450	100mm Ø	Class 2 Bed & Surround
F9	17.905	17.455	TYPE 4	CLASS-B125	460mm Ø	0.450	100mm Ø	Class 2 Bed & Surround
F10	17.490	15.723	TYPE 2	CLASS-D400	1200mm Ø	1.787	100mm Ø	Class 2 Bed & Surround
F11	17.905	17.456	TYPE 4	CLASS-B125	460mm Ø	0.450	100mm Ø	Class 2 Bed & Surround

*Contractor to confirm invert level prior to construction









