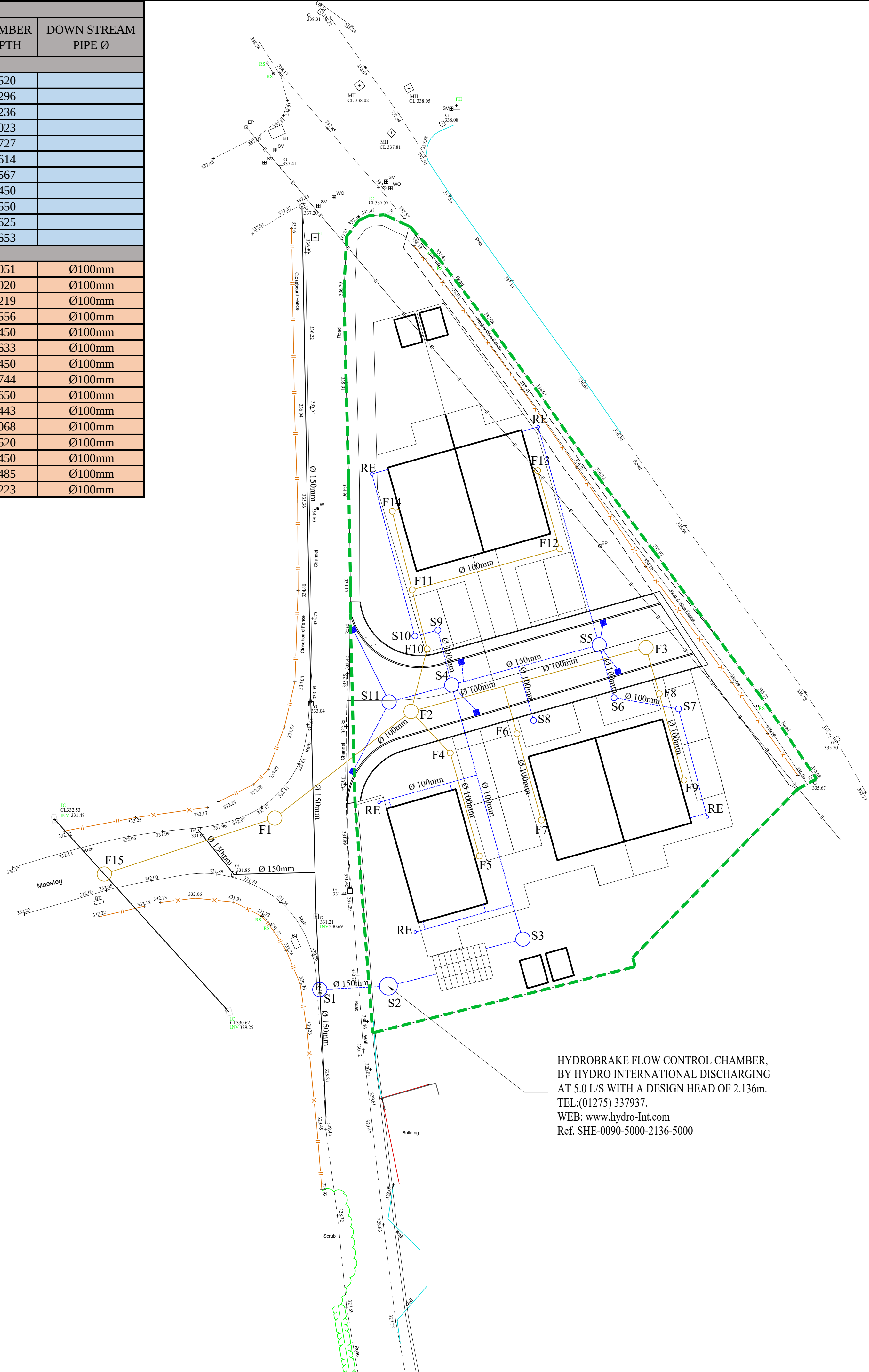


CHAMBER SCHEDULE								
CHAMBER REF	COVER LEVEL	INVERT LEVEL	DROP LEVEL	CHAMBER TYPE	CHAMBER SIZE	COVER TYPE	CHAMBER DEPTH	DOWN STREAM PIPE Ø
SURFACE WATER								
S1	330.580	330.060		TYPE 2	Ø1200mm	D400	0.520	
S2	332.500	330.204		TYPE 2	Ø1500mm	D400	2.296	
S3	332.500	331.264		TYPE 2	Ø1200mm	B125	1.236	
S4	333.563	331.540	332.213	TYPE 2	Ø1200mm	D400	2.023	
S5	334.584	332.857		TYPE 2	Ø1200mm	D400	1.727	
S6	334.529	332.915		TYPE 4	Ø460mm	B125	1.614	
S7	333.550	332.983		TYPE 4	Ø460mm	B125	0.567	
S8	333.550	333.100		TYPE 4	Ø460mm	B125	0.450	
S9	334.450	333.800		TYPE 4	Ø460mm	B125	0.650	
S10	334.450	333.825		TYPE 4	Ø460mm	B125	0.625	
S11	333.261	331.608		TYPE 2	Ø1200mm	D400	1.653	
FOUL								
F1	332.180	331.129		TYPE 2	Ø1200mm	D400	1.051	Ø100mm
F2	333.330	331.310		TYPE 2	Ø1200mm	D400	2.020	Ø100mm
F3	334.975	332.756		TYPE 2	Ø1200mm	D400	2.219	Ø100mm
F4	332.750	332.194		TYPE 4	Ø460mm	B125	0.556	Ø100mm
F5	332.750	332.300		TYPE 4	Ø460mm	B125	0.450	Ø100mm
F6	333.550	331.917	333.006	TYPE 4	Ø460mm	B125	1.633	Ø100mm
F7	333.550	333.100		TYPE 4	Ø460mm	B125	0.450	Ø100mm
F8	333.550	332.806		TYPE 4	Ø460mm	B125	0.744	Ø100mm
F9	333.550	332.900		TYPE 4	Ø460mm	B125	0.650	Ø100mm
F10	333.693	332.250	333.243	TYPE 4	Ø460mm	B125	1.443	Ø100mm
F11	334.450	333.382		TYPE 4	Ø460mm	B125	1.068	Ø100mm
F12	334.450	333.830		TYPE 4	Ø460mm	B125	0.620	Ø100mm
F13	334.450	334.000		TYPE 4	Ø460mm	B125	0.450	Ø100mm
F14	334.450	333.965		TYPE 4	Ø460mm	B125	0.485	Ø100mm
F15	332.070	330.847		TYPE 2	Ø1200mm	D400	1.223	Ø100mm



HYDROBRAKE FLOW CONTROL CHAMBER,
BY HYDRO INTERNATIONAL DISCHARGING
AT 5.0 L/S WITH A DESIGN HEAD OF 2.136m.
TEL:(01275) 337937.
WEB: www.hydro-Int.com
Ref. SHE-0090-5000-2136-5000

- NOTES
- ALL LEVELS IN METERS UNLESS NOTED OTHERWISE ON DRAWING.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS' AND ARCHITECTS' DRAWINGS AND RELEVANT SPECIFICATION CLAUSES.
 - PLEASE REFER TO ARCHITECTS DRAWINGS FOR FINAL BUILDING LOCATION.
 - ALL DRAINAGE COMPONENTS ARE TO COMPLY WITH CURRENT BRITISH STANDARDS AND BUILDING REGULATIONS REQUIREMENTS.
 - ALL WORKS TO IN ACCORDANCE WITH ROADS FOR ADOPTION IN GWYNEDD.
 - ALL WORKS AND MATERIALS TO BE IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS (SHW SERIES 500).
 - DRAIN PIPE THROUGH WALLS OR BENEATH FOUNDATIONS (SPREAD ONLY) TO HAVE R.C BRIDGE LINTELS OVER AND PIPE SURROUNDED IN FLEXIBLE MATERIAL (50mm).
 - FINAL LOCATIONS AND DETAILS OF SOIL VENT PIPES, STUB STACKS, RAINWATER DOWN PIPES, GULLIES ETC. TO BE CONFIRMED BY REFERENCE TO ARCHITECT DRAWINGS.
 - ALL THRESHOLD DRAIN DETAILS TO BE TO ARCHITECT DETAILS.
 - ALL PIPES INTO CHAMBERS TO SOFFIT TO SOFFIT U.N.O.
 - AT ALL OUTFALL POINTS TO AN EXISTING NETWORK, THE POSITION AND INVERT LEVEL OF EXISTING DRAINS MUST BE CONFIRMED WELL IN ADVANCE OF THE PROGRAMMED DATE FOR INSTALLING ANY OF THE UPSTREAM DRAINAGE, OR ORDERING OF ANY MATERIALS IN ORDER TO ALLOW TIME FOR ANY NECESSARY REVISIONS TO THE HYDRAULIC DESIGN.
 - ALL GRAVITY UPVC PIPEWORK TO BE TO BS 4660 OR BS 5481 WHERE RELEVANT UNLESS NOTED OTHERWISE.
 - ALL NON ADOPTABLE DOMESTIC FOUL AND SURFACE WATER PIPE RUNS SHALL CONSIST OF 100mm DIA. PIPES LAID AT NO FLATTER THAN 1 IN 80 FALLS U.N.O.
 - ALL CONNECTIONS FROM HIGHWAY GULLIES TO BE 150mm DIA. LAID AT FALLS OF BETWEEN 1 IN 20 AND 1 IN 100 WITH TYPE S BED AND SURROUND TO ALL CONNECTIONS WITH MIN. 1.20m COVER, TYPE Z BED AND SURROUND TO ALL OTHER CONNECTIONS.
 - ALL PLOT DRAINAGE TO BE Ø 100mm LAID AT A MAXIMUM OF 1 IN 80 FALLS UNLESS NOTED OTHERWISE.
 - THERMOPLASTIC PIPES & FITTINGS:**

THERMOPLASTIC PIPES, JOINTS & FITTINGS FOR GRAVITY SEWERS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 1401-1, BS EN 1352 & BS EN 12666-1.

THERMOPLASTIC STRUCTURED WALL PIPE:

THERMOPLASTIC STRUCTURED WALL SEWER PIPE SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 13476-1 & WIS 4-35-01 AND BS EN 13476-2 OR BS EN 13476-3. PIPES SHALL BE BSI KITEMARKED OR HAVE EQUIVALENT THIRD PART CERTIFICATION. PIPES LESS THAN OR EQUAL TO 500mm IN DIAMETER SHALL HAVE NOMINAL SHORT-TERM RING STIFFNESS NOT LESS THAN 8kN/m² (SN8) OR BE SUBJECT TO A QUALITY SYSTEM FOR STORAGE & EMBEDMENT.

Nom. SHORT TERM RING STIFFNESS OF 2kN/m² (SN2) IS ACCEPTABLE FOR PIPES GREATER THAN Ø500mm, SUBJECT TO SUPPORTING STRUCTURAL DESIGN LOAD CALCULATIONS BEING PROVIDED.

TRANSPORTATION, HANDLING, STORAGE AND LAYING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

WHERE A FITTING IS INSTALLED ON A SEWER LENGTH, IT SHALL HAVE THE SAME INTERNAL BORE AS THE SEWER. Max. LENGTH OF PIPE FOR LAYING IS 3.0m OR Ø x 10, WHICHEVER IS THE GREATER, UNLESS WELDED JOINTS ARE USED.
 - CONNECTION TO THE PUBLIC SEWER**

A SECTION 106 APPLICATION TO CONNECT MUST BE MADE TO DCWW. THE DEVELOPER SHALL GIVE 21 DAYS NOTICE PRIOR TO CONNECTION. THE WORKS MAY ONLY BE UNDERTAKEN BY A DCWW HEALTH AND SAFETY APPROVED CONTRACTOR.
 - OPTIMUM TRENCH WIDTH**

OPTIMUM TRENCH WIDTH = PIPE + 300mm. CONTRACTOR TO ENSURE TRENCH WALLS ARE SUITABLY PROPPED.

- KEY
- DENOTES PROPOSED NON-ADOPTABLE SURFACE WATER CHAMBER & PIPE RUN.
 - DENOTES PROPOSED NON-ADOPTABLE FOUL CHAMBER & PIPE RUN.
 - DENOTES EXISTING COMBINED CHAMBER & PIPE RUN.

NOT FOR CONSTRUCTION

Revisions.				
Revision	Made by	Date	Checked	
A	K.B.	14.10.16	D.P.	ADD HYDROBRAKE NOTE & FOUL CHAMBER

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Bingham
Rawlings
Partnership
Limited

Project		MAESTEG, WREXHAM.										
Drawing Title		PROPOSED DRAINAGE LAYOUT										
Architect		D2 ARCHITECTS										
Client		D.W.STANTS										
Scale		1:200		3597 532				Revision				
Drawn		ER						A				
Date		24/09/2016										
Checked		DP										