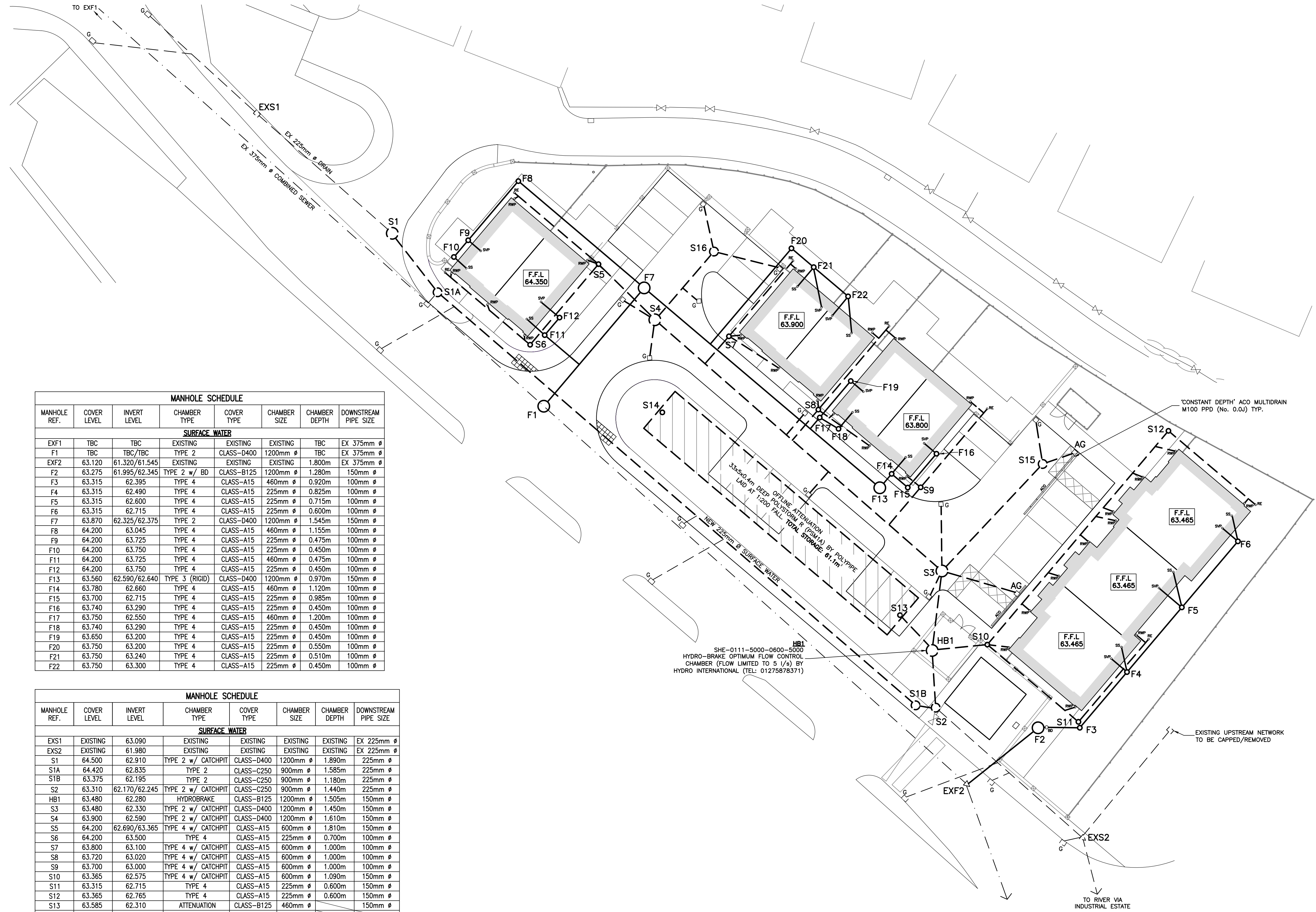




MANHOLE SCHEDULE							
MANHOLE REF.	COVER LEVEL	INVERT LEVEL	CHAMBER TYPE	COVER TYPE	CHAMBER SIZE	CHAMBER DEPTH	DOWNSTEAM PIPE SIZE
SURFACE WATER							
EXF1	TBC	TBC	EXISTING	EXISTING	EXISTING	TBC	EX 375mm Ø
F1	TBC	TBC/TBC	TYPE 2	CLASS-D400	1200mm Ø	TBC	EX 375mm Ø
EXF2	63.120	61.320/61.545	EXISTING	EXISTING	EXISTING	1.800m	EX 375mm Ø
F2	63.275	61.995/62.345	TYPE 2 w/ BD	CLASS-B125	1200mm Ø	1.280m	150mm Ø
F3	63.315	62.395	TYPE 4	CLASS-A15	460mm Ø	0.920m	100mm Ø
F4	63.315	62.490	TYPE 4	CLASS-A15	225mm Ø	0.825m	100mm Ø
F5	63.315	62.600	TYPE 4	CLASS-A15	225mm Ø	0.715m	100mm Ø
F6	63.315	62.715	TYPE 4	CLASS-A15	225mm Ø	0.600m	100mm Ø
F7	63.870	62.325/62.375	TYPE 2	CLASS-D400	1200mm Ø	1.545m	150mm Ø
F8	64.200	63.045	TYPE 4	CLASS-A15	460mm Ø	1.155m	100mm Ø
F9	64.200	63.725	TYPE 4	CLASS-A15	225mm Ø	0.475m	100mm Ø
F10	64.200	63.750	TYPE 4	CLASS-A15	225mm Ø	0.450m	100mm Ø
F11	64.200	63.725	TYPE 4	CLASS-A15	460mm Ø	0.475m	100mm Ø
F12	64.200	63.750	TYPE 4	CLASS-A15	225mm Ø	0.450m	100mm Ø
F13	63.560	62.590/62.640	TYPE 3 (RIGID)	CLASS-D400	1200mm Ø	0.970m	150mm Ø
F14	63.780	62.660	TYPE 4	CLASS-A15	460mm Ø	1.120m	100mm Ø
F15	63.700	62.715	TYPE 4	CLASS-A15	225mm Ø	0.985m	100mm Ø
F16	63.740	63.290	TYPE 4	CLASS-A15	225mm Ø	0.450m	100mm Ø
F17	63.750	62.550	TYPE 4	CLASS-A15	460mm Ø	1.200m	100mm Ø
F18	63.740	63.290	TYPE 4	CLASS-A15	225mm Ø	0.450m	100mm Ø
F19	63.650	63.200	TYPE 4	CLASS-A15	225mm Ø	0.450m	100mm Ø
F20	63.750	63.200	TYPE 4	CLASS-A15	225mm Ø	0.550m	100mm Ø
F21	63.750	63.240	TYPE 4	CLASS-A15	225mm Ø	0.510m	100mm Ø
F22	63.750	63.300	TYPE 4	CLASS-A15	225mm Ø	0.450m	100mm Ø

MANHOLE SCHEDULE							
MANHOLE REF.	COVER LEVEL	INVERT LEVEL	CHAMBER TYPE	COVER TYPE	CHAMBER SIZE	CHAMBER DEPTH	DOWNSTEAM PIPE SIZE
SURFACE WATER							
EXS1	EXISTING	63.090	EXISTING	EXISTING	EXISTING	EXISTING	EX 225mm Ø
EXS2	EXISTING	61.980	EXISTING	EXISTING	EXISTING	EXISTING	EX 225mm Ø
S1	64.500	62.910	TYPE 2 w/ CATCHPIT	CLASS-D400	1200mm Ø	1.890m	225mm Ø
S1A	64.420	62.835	TYPE 2	CLASS-C250	900mm Ø	1.585m	225mm Ø
S1B	63.375	62.195	TYPE 2	CLASS-C250	900mm Ø	1.180m	225mm Ø
S2	63.310	62.170/62.245	TYPE 2 w/ CATCHPIT	CLASS-C250	900mm Ø	1.440m	225mm Ø
HB1	63.480	62.280	HYDROBRAKE	CLASS-B125	1200mm Ø	1.505m	150mm Ø
S3	63.480	62.330	TYPE 2 w/ CATCHPIT	CLASS-D400	1200mm Ø	1.450m	150mm Ø
S4	63.900	62.590	TYPE 2 w/ CATCHPIT	CLASS-D400	1200mm Ø	1.610m	150mm Ø
S5	64.200	62.690/63.365	TYPE 4 w/ CATCHPIT	CLASS-A15	600mm Ø	1.810m	150mm Ø
S6	64.200	63.500	TYPE 4	CLASS-A15	225mm Ø	0.700m	100mm Ø
S7	63.800	63.100	TYPE 4 w/ CATCHPIT	CLASS-A15	600mm Ø	1.000m	100mm Ø
S8	63.720	63.020	TYPE 4 w/ CATCHPIT	CLASS-A15	600mm Ø	1.000m	100mm Ø
S9	63.700	63.000	TYPE 4 w/ CATCHPIT	CLASS-A15	600mm Ø	1.000m	100mm Ø
S10	63.365	62.575	TYPE 4 w/ CATCHPIT	CLASS-A15	600mm Ø	1.090m	150mm Ø
S11	63.315	62.715	TYPE 4	CLASS-A15	225mm Ø	0.600m	150mm Ø
S12	63.365	62.765	TYPE 4	CLASS-A15	225mm Ø	0.600m	150mm Ø
S13	63.585	62.310	ATTENUATION	CLASS-B125	460mm Ø		150mm Ø
S14	64.005	62.475	ATTENUATION	CLASS-A15	460mm Ø		
S15	63.340	62.425	TYPE 2 w/ CATCHPIT	CLASS-D400	900mm Ø	1.215m	150mm Ø
S16	63.755	62.650	TYPE 2 w/ CATCHPIT	CLASS-D400	900mm Ø	1.405m	150mm Ø

- NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, ENGINEER'S AND OTHER SPECIALISTS' DRAWINGS.
 - PLEASE REFER TO ARCHITECTS DRAWINGS FOR FINAL BUILDING LOCATIONS.
 - REFER TO DATRYS DRAWING 15064/502-503 FOR DRAINAGE DETAILS.
 - ALL DRAINAGE COMPONENTS ARE TO COMPLY WITH CURRENT BRITISH STANDARDS & BUILDING REGULATIONS REQUIREMENTS
 - FINAL LOCATIONS AND DETAILS OF SOIL VENT PIPE, STUB STACKS, RAINWATER DOWN PIPES, GULLYS etc. TO BE CONFIRMED BY REFERENCE TO ARCHITECTS' DRAWINGS
 - ALL THRESHOLD DRAIN DETAILS TO BE TO ARCH DETAILS
 - ALL PIPES INTO MH's TO BE SOFFIT TO SOFFIT LVL 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 ANY MATERIALS IN ORDER TO ALLOW TIME FOR ANY NECESSARY REVISIONS TO THE HYDRAULIC DESIGN.
 - ALL GRAVITY PVC-U PIPEWORK TO BE TO BS EN 13598-1:2010 OR BS EN 1401-1:2009 WHERE RELEVANT UNLESS NOTED OTHERWISE
 - ALL FOUL AND SURFACE WATER PIPE RUNS SHALL CONSIST OF 150mm Ø PIPES U.N.O
 - TYPE S BED & SURROUND TO ALL CONNECTIONS WHERE MIN 1.2m COVER IS ACHIEVED. TYPE Z BED & SURROUND TO ALL OTHER CONNECTIONS

- NOTES FOR CONNECTION WITH PUBLIC SEWER
- THE DEVELOPER MUST SELF-VET AND CERTIFY THAT THE DESIGN CRITERIA, MATERIAL STANDARDS AND WORKMANSHIP SPECIFICATION FOR THE PROPOSED ADOPTABLE SEWERS ARE IN ACCORDANCE WITH THOSE SET OUT IN 'SEWERS FOR ADOPTION 7th EDITION. THE WELSH MINISTERS BUILD STANDARDS AND THE REQUIREMENTS OF DCWW AS THE STATUTORY SEWERAGE UNDERTAKER
 - IF IT IS INTENDED TO UTILISE UPVC PIPE WORK THE INSTALLER MUST BE ACCREDITED WITH THE BRITISH PLASTICS FEDERATION (BPF), PLASTIC PIPES GROUP FOR SUCH AN INSTALLATION. A COPY OF THE INDIVIDUALS ACCREDITATION CERTIFICATE SHALL BE PROVIDED TO DCWW BEFORE ANY ADOPTABLE WORK IS COMMENCED
 - THE FOLLOWING PLASTIC PIPES ARE APPROVED BY DWR CYMRU WELSH WATER FOR DIAMETERS OF 150mm-300mm:
 - MARLEY TWINWALL SYSTEM
 - UPONOR ULTRARIB SYSTEM
 - OSMA ULTRARIB SYSTEM
 - POLYSEWER TWINWALL SYSTEM
 - POLYPIPES - RIGISEWER (400mm-600mm & 750mm-900mm)
 - PIPES TO BE LAID IN MAX 3m LENGTHS BETWEEN JOINTS OR 10 X NOMINAL DIAMETER
 - CONNECTION TO THE PUBLIC SEWER - "A SECTION 106 APPLICATION TO CONNECT TO THE PUBLIC SEWER MUST BE MADE TO DCWW, THE DEVELOPER SHALL GIVE 21 DAYS NOTICE PRIOR TO CONNECTION, THE WORKS MAY ONLY BE UNDERTAKEN BY AN SSIP HEALTH & SAFETY APPROVED CONTRACTOR"

- KEY:
- ASSUMED LINE OF EXISTING COMBINED SEWER
 - PROPOSED FOUL CHAMBER AND DRAIN RUN
 - PROPOSED BACKDROP CHAMBER
 - PROPOSED SURFACE WATER CHAMBER AND PIPE RUN
 - EXISTING SURFACE WATER HIGHWAY MANHOLE AND PIPE RUN
 - PROPOSED ACO UNIVERSAL GULLY
 - PROPOSED GULLY WITH 150mm Ø CONNECTIONS
 - EXISTING HIGHWAY GULLY
 - PROPOSED RAIN WATER PIPE
 - PROPOSED RODDING EYE
 - PROPOSED SOIL AND VENT PIPE
 - PROPOSED SOIL STACK

REV	DATE	DESCRIPTION	BY	CHK	APP
REVISIONS					

CLIENT
K & C Construction Ltd.

PROJECT
Whitegate Road Wrexham

TITLE
Drainage Layout

DATRYS
Peirianwyr Ymgynghoriol
Consulting Engineers

Yr Aelwyd
3-5 Church Street
Carnarvon
01286 674638
info@datrys.coop
www.datrys.coop

Telephone
Fax
E-mail
Internet

DRAWN OB	CHECKED AC	PASSED AC
DATE 05.05.15	CLIENT'S REF.	
SCALE AT A1 1:200	AUTOCAD REF. 15064/501	
DRAWING No. 15064/501		REVISION