



TO
S30444003

PIPE TO BE EXPOSED BY
CONTRACTOR TO CONFIRM
INVERT LEVEL AND
LOCATION
CCTV SURVEY ON 21.12.18

SPURS ASSUMED TO SERVE PREVIOUS
DEVELOPMENT AND TO BE REMOVED
AND GROUTED. CONTRACTOR TO
CONFIRM THAT THE PIPES DON'T
SERVE ADJACENT SITES.

EXISTING CHAMBER
TO BE REMOVED
AND REPLACED

EXTENT OF
SOAKAWAY

FFL: 116.75

FFL: 116.75

SOAKAWAY

SOAKAWAY

ASSUMED DEPTH OF
EXISTING #225
COMBINED SEWER

113.00

	F1	F2	F3	F4	F5	F6	F7
EX 100mm ASSUMED (1:14)		100mm (1:5)	100mm (1:40)		100mm (1:80)		
CHAINAGE (m)	00.000	11.454	18.149	21.580	28.277	35.994	36.644
COVER LVL	113.33	116.15	116.25	116.59	116.59	116.59	116.59
INVERT LVL	113.43	114.25	115.70	115.79	115.90	115.99	116.01

PROPOSED FOUL F1-F7
LONGSECTION
H - 1:250 V - 1:50

SJ30434901

MANHOLE SCHEDULE							
MANHOLE REF.	COVER LEVEL	INVERT LEVEL	CHAMBER TYPE	COVER TYPE	CHAMBER SIZE	CHAMBER DEPTH	DOWNSIDE PIPE SIZE
FOUL WATER							
F1	116.15	114.25	TYPE 3	B125	460mm#	1.900	EX. 100mm#
F2	116.25	115.70	TYPE 3	B125	460mm#	0.550	100mm#
F3	116.59	115.79	TYPE 3	B125	460mm#	0.800	100mm#
F4	116.59	115.88	TYPE 3	B125	460mm#	0.710	100mm#
F5	116.59	115.90	TYPE 4	B125	460mm#	0.690	100mm#
F6	116.59	115.99	TYPE 4	B125	460mm#	0.600	100mm#
F7	116.59	116.01	TYPE 4	B125	460mm#	0.580	100mm#

** INVERT LEVEL TO BE CONFIRMED ON SITE BY CONTRACTOR. DEPTH
ASSUMED FROM CAT SCAN **

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 LOCATION
- REFER TO DATRYS DRAWING 18304/502 FOR DRAINAGE DETAILS.
- ALL DRAINAGE COMPONENTS ARE TO COMPLY WITH CURRENT BRITISH STANDARDS & BUILDING REGULATIONS REQUIREMENTS
- 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 4660:2000 OR BS EN 1401-1:2009 WHERE RELEVANT UNLESS NOTED OTHERWISE
- FINAL LOCATIONS AND DETAILS OF SOIL VENT PIPE, STUB STACKS, RAINWATER DOWN PIPES, GULLYS etc. TO BE CONFIRMED BY REFERENCE TO ARCHITECTS' DRAWINGS
- ALL PIPES INTO MH's TO BE SOFFIT TO SOFFIT LVL U.N.O.
- ALL NON ADOPTABLE DOMESTIC FOUL AND SURFACE WATER PIPE RUNS SHALL CONSIST OF 100mm # PIPES LAID AT A MINIMUM FALL OF 1 IN 80 U.N.O
- ALL CONNECTIONS FROM HIGHWAY GULLIES TO BE 150mm# LAID AT FALLS OF BETWEEN 1:20 & 1:100 WITH TYPE S BED & SURROUND TO ALL CONNECTIONS WHERE MIN 1.2m COVER IS ACHIEVED. TYPE Z BED & SURROUND TO ALL OTHER CONNECTIONS.
- COVER LEVELS ARE APPROXIMATE AND SHOULD MATCH PROPOSED SURROUNDING LEVELS. CONTRACTOR TO USE OFFICIAL TBM'S FOR SETTING OUT.

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
- MATERIALS AND WORKMANSHIP TO CONFORM WITH SFA 7th EDITION "PART E"
- PIPES TO BE LAID IN MAX 3m LENGTHS BETWEEN JOINTS OR 10 X NOMINAL DIAMETER, WHICHEVER IS THE GREATER
- PIPES LESS THAN OR EQUAL TO 500mm IN DIAMETER SHALL HAVE NOMINAL SHORT-TERM RING STIFFNESS NOT LESS THAN 8kN PER m² (SN8) OR BE SUBJECT TO A QUANTITY SYSTEM FOR STORAGE AND EMBEDMENT. NOM. SHORT TERM RING STIFFNESS OF 2kN/m² (SN2) IS ACCEPTABLE FOR PIPES GREATER THAN 500mm, SUBJECT TO SUPPORTING STRUCTURAL DESIGN LOAD CALCULATIONS BEING PROVIDED.
- SUBJECT TO A SECTION 104 ADOPTION AGREEMENT BEING COMPLETE - "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

- SITE BOUNDARY
- ASSUMED LINE OF EXISTING COMBINED SEWER
- LINE OF EXISTING FOUL SEWER
- PROPOSED ADOPTABLE TYPE 3 FOUL CHAMBER AND SEWER
- PROPOSED ADOPTABLE FOUL TYPE 4 INSPECTION CHAMBER AND SEWER
- PROPOSED FOUL LATERAL RUN
- PROPOSED NON-ADOPTABLE FOUL DRAIN RUN AND TYPE 4 INSPECTION CHAMBERS
- PROPOSED NON-ADOPTABLE SURFACE WATER DRAIN RUN AND TYPE 4 INSPECTION CHAMBERS

A	22.01.19	MANHOLE COVER TYPE AMENDED SURFACE WATER SHOWN	LI	AC	AC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

CLIENT

BRENIG CONSTRUCTION

Tai Wales & West Housing

PROJECT

Former Victoria Garage
Ruabon

TITLE

Section 104
Drainage Layout & Longsection

DATRYS

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DRAWN	LI	CHECKED	JA	PASSED	JA
DATE	09.01.19	CLIENT'S REF.			
SCALE	AT A1 1:100	AUTOCAD REF.	18304/S104		
DRAWING No.	18304/S104				REVISION
					A

FOR APPROVAL