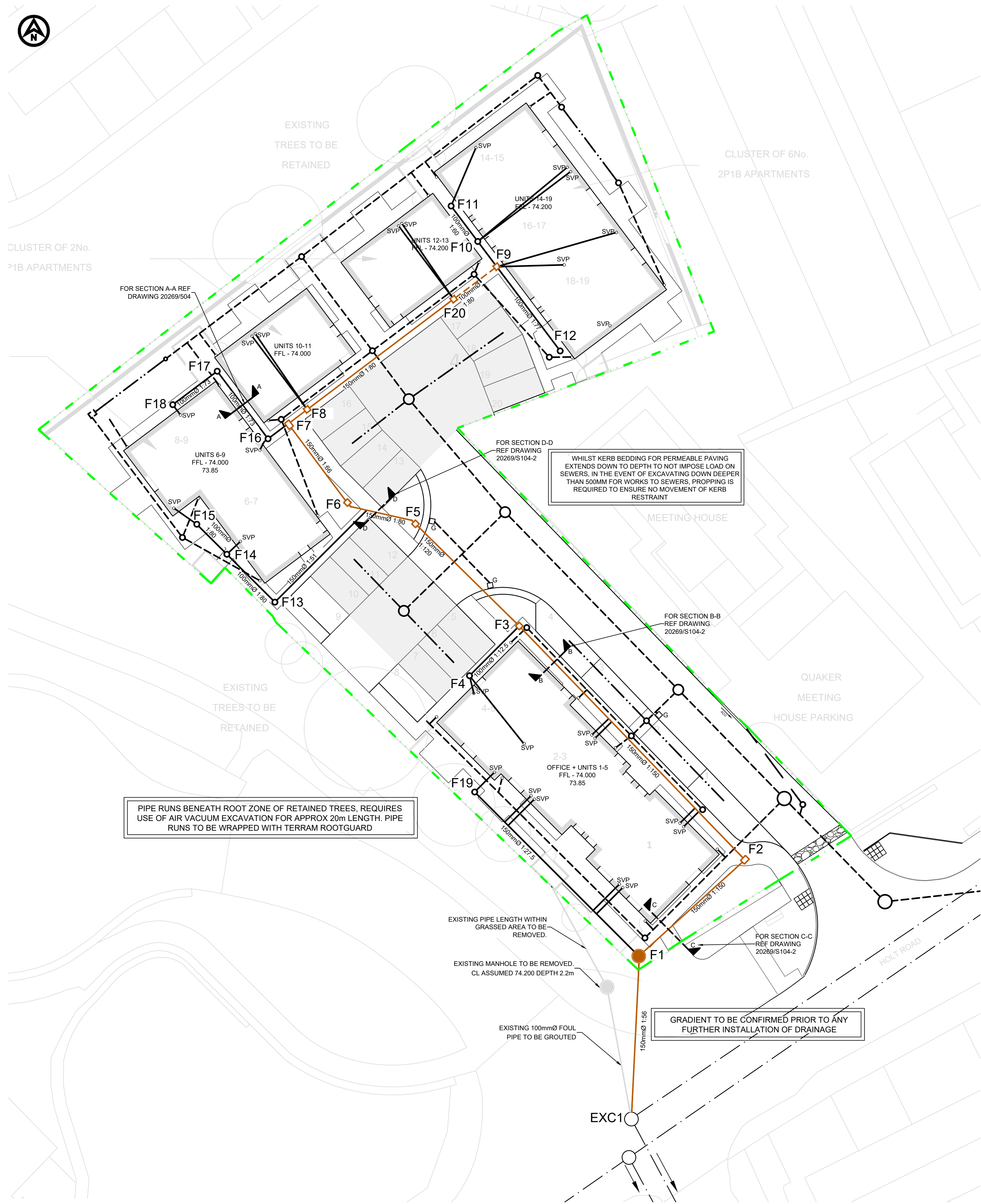




- KEY
- SITE BOUNDARY
 - LINE OF EXISTING COMBINED DOWW SEWER
 - PROPOSED ADOPTABLE FOUL TYPE 2 MANHOLE AND SEWER
 - PROPOSED ADOPTABLE FOUL TYPE 3 MANHOLE AND SEWER
 - PROPOSED ADOPTABLE LATERAL RUN
 - PROPOSED NON-ADOPTABLE FOUL DRAIN RUN AND INSPECTION CHAMBERS
 - NON-ADOPTABLE SURFACE WATER INSPECTION CHAMBER AND DRAIN
 - PROPOSED PERFORATED PIPE
 - DENOTES PROPOSED HIGHWAY GULLY WITH 150mm Ø CONNECTIONS
 - DENOTES PROPOSED RESERVOIR LAYER

MANHOLE SCHEDULE									
MANHOLE REFERENCE	COVER LEVEL	INVERT LEVEL	CHAMBER TYPE	COVER TYPE	CHAMBER SIZE	CHAMBER DEPTH	DOWNSTREAM PIPE SIZE	EASTING	NORTHING
ADOPTABLE FOUL WATER									
EXC1	73.500	71.575	EXISTING	EXISTING	EXISTING	1.925m	375mm	TBC	TBC
F1	74.100	72.020	TYPE 2	C250	1200mm Ø	2.080m	150mm	334127.883	350740.524
F2	73.670	OUT 72.110	TYPE 3 RIGID	B125	600 X 450mm	1.560m	150mm	334137.5178	350748.9918
F3	73.650	F4 IN 72.350 OUT 72.300	TYPE 3	B125	460mm Ø	1.350m	150mm	334117.454	350769.3175
F5	73.450	72.400	TYPE 3	B125	460mm Ø	1.050m	150mm	334108.406	350778.231
F6	73.700	72.480	TYPE 3	B125	460mm Ø	1.220m	150mm	334102.470	350780.088
F7	73.730	F16 IN 72.660 OUT 72.610	TYPE 3 RIGID	B125	600 X 450mm	1.120m	150mm	334097.295	350786.968
F8	73.800	72.650	TYPE 3	B125	460mm Ø	1.150m	150mm	334098.952	350788.2146
F20	74.050	F9,F19 IN 72.760 F10,F12 IN 73.080 OUT 73.010	TYPE 3	B125	900mm Ø	0.970m	150mm	334111.7373	350797.8342
F9	74.050								

xx INVERT LEVEL SUBJECT TO GRADIENT OF DOWNSTREAM PIPERUN TO EXC1. CONTRACTOR TO CONFIRM AND ADVISE ACCORDINGLY.

- 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 20269/502 & 503 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
 - ALL CONCRETE SHALL BE GEN3 WITH SULPHATE RESISTING IN ACCORDANCE WITH BS8500 U.N.O.
 - FINAL LOCATIONS AND DETAILS OF SOIL & VENT PIPE, STUB STACKS, RAINWATER DOWN PIPES, GULLIES 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 Ø PIPES LAID AT A MINIMUM FALL OF 1 IN 80 U.N.O
 - ALL CONNECTIONS FROM HIGHWAY GULLIES TO BE 150mmØ 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 TBMS 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 Ø500mm, SUBJECT TO SUPPORTING STRUCTURAL DESIGN LOAD CALCULATIONS BEING PROVIDED.
 - UNTIL COMPLETION OF THE LEGAL STAGE WITH THE RELEVANT AUTHORITY, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ISSUED ARE PRELIMINARY AND NOT FOR CONSTRUCTION
 - SUBJECT TO A SECTION 104 ADOPTION AGREEMENT BEING COMPLETE - "A SECTION 106 APPLICATION TO CONNECT TO THE PUBLIC SEWER MUST BE MADE TO DOWN. THE DEVELOPER SHALL GIVE 21 DAYS NOTICE PRIOR TO CONNECTION. THE WORKS MAY ONLY BE UNDERTAKEN BY AN SSIP HEALTH & SAFETY APPROVED CONTRACTOR"

D	20.12.21	F8 CHAMBER AMENDED	LI		
C	15.12.21	CONNECTION OF UNITS 10-11 AND 12-13 TO FRONT	LI	AC	AC
B	15.11.21	AMENDED PER DCWW COMMENTS 03.11.21	JP	LI	
A	24.09.21	LAYOUT AND MANHOLE SCHEDULE AMENDED	LI	AC	AC
REV	DATE	DESCRIPTION	BY	CHK	APR

FOR APPROVAL

CLIENT

ClwydAlyn

PROJECT

Ty Nos, Holt Road Wrexham

TITLE

Section104 Adoptable Foul Drainage Layout

DATRYS

Caernarfon: Unit 6 Block A, Doc Victoria Caernarfon, LL55 1TH Tel: 01286 671027

Mold: Unit 4a, Broncoed House, Ffordd Brynwr Gwlad, Mold, CH7 1HP. Tel: 01352 706205 info@datrys.coop | www.datrys.net

DRAWN JP	CHECKED LI	PASSED AC
DATE 20.07.21	CLIENT'S REF.	
SCALE AT A1 1:200	AUTOCAD REF. 20269/S104-1	
DRAWING No. 20269/S104-1	REVISION D	