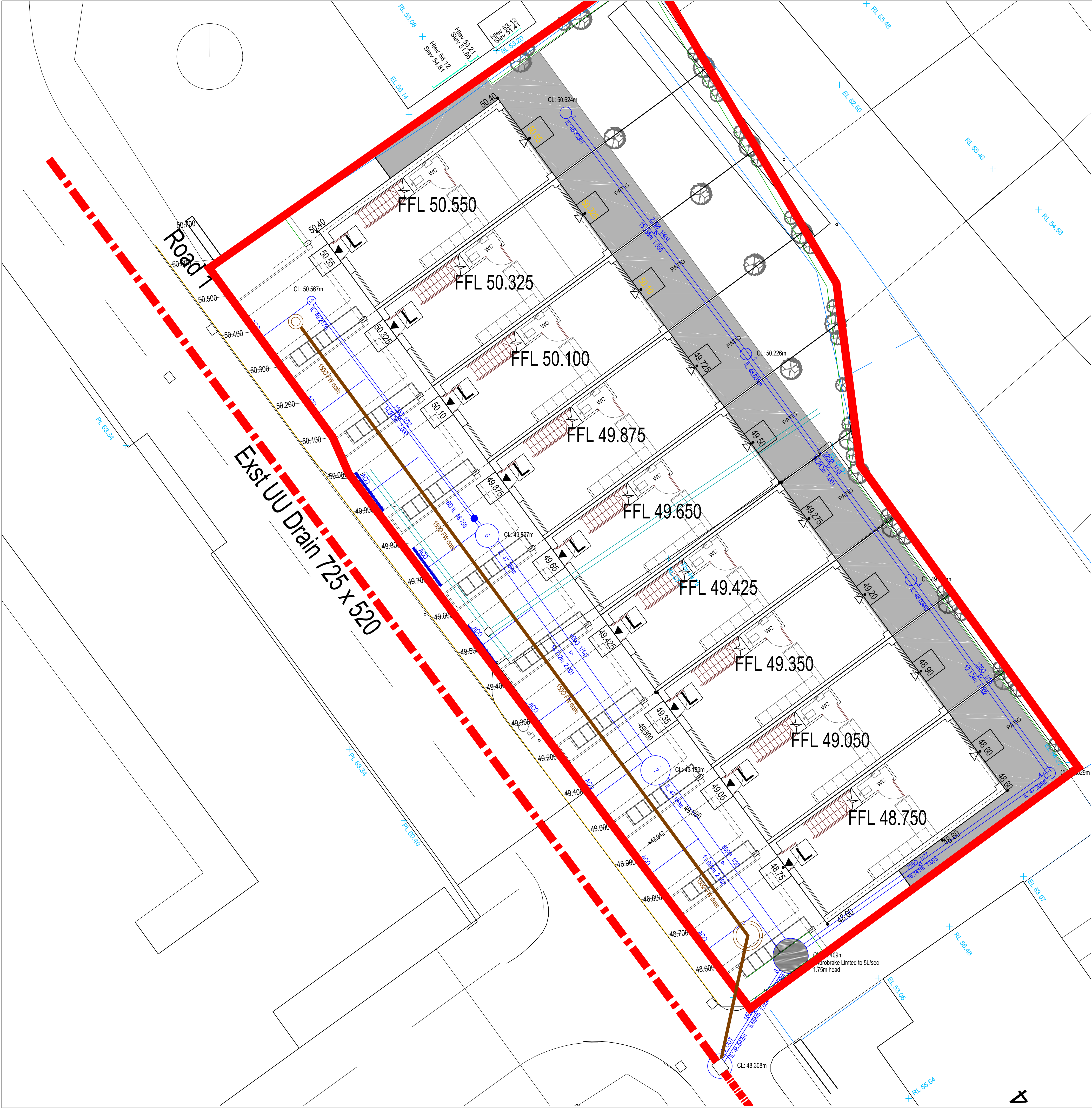




1	COVER	I	A	48.839m
	50.624m	N	B	
	DIAMETER	C		
	600mm	D		
2	Unknown	E		
	COVER	I	A	48.801m
	50.226m	N	B	48.801m
	DIAMETER	C		
3	600mm	D		
	Unknown	E		
4	COVER	I	A	48.039m
	49.464m	N	B	48.039m
	DIAMETER	C		
	600mm	D		
5	Unknown	E		
	COVER	I	A	47.204m
	48.626m	N	B	47.204m
	DIAMETER	C		
6	600mm	D		
	Unknown	E		
7	COVER	I	A	49.217m
	50.567m	N	B	
	DIAMETER	C		
	450mm	D		
8	450 Inspection	E		
	COVER	I	A	48.75m
	49.887m	N	B	47.299m
	DIAMETER	C		
9	1200mm	D		
	Unknown	E		
10	COVER	I	A	47.189m
	49.180m	N	B	47.189m
	DIAMETER	C		
	1500mm	D		
11	Type B	E		
	COVER	I	A	46.609m
	48.409m	N	B	46.609m
	DIAMETER	C		
12	1800mm	D		
	Type B	E		
13	COVER	I	A	46.542m
	48.308m	N	B	
	DIAMETER	C		
	1250mm	D		
14	Type B	E		

DRAINAGE STRATEGY

SURFACE WATER

TOTAL SITE AREA: 0.1 ha

PROPOSED RUN-OFF RATES:

- 1 Year - 5 L/sec
- 30 Year - 5 L/sec
- 100 Year - 5 L/sec

PROPOSED SITE IMPERMEABLE AREA: 0.085 ha (approx.)

CURRENTLY THE SITE IS 100% HARDSTANDING AND POSITIVELY DRAINED VIA DISHED CHANNELS AND GULLYS.

THE PROPOSED DEVELOPMENTS WILL GIVE A 150M² REDUCTION IN CATCHEMENT DUE TO GARDEN SPACE.

INFILTRATION TESTING ON SITE HAS SHOWN TEH SITE IS UNDERLAIN BY STIFF CLAYS MAKING INFILTRATION NOT VIABLE.

THE NEAREST AVAILABLE WATERCOURSE IS THE RIVER MEDLOCK. THIS IS LOCATED 300M TO THE EAST AND DUE TO THE DENSE NATURE OF MANCHESTER CITY CENTRE ,WOULD REQUIRE A RUN OF PIPE OVER 400M LONG THROUGH EXISTING ROADS WITH EXISTING UU COMBINED ASSETS AND THIRD PARTY LAND

DUE TO EXTREMELY LIMITED SPACE ON SITE STORM EVENTS UP TO AND INCLUDING THE 1:100+40% YEAR EVENT IS PROVIDED IN THE OVERSIZED PIPE NETWORK.

ADDITIONAL ATTENUATION IS PROVIDED IN OFFLINE CELLULAR STORAGE TANK FOR STORMS IN EXCESS OF THE 1:30 YEAR EVENT, UP TO AND INCLUDING THE 1:100 YEAR + 40% CLIMATE CHANGE EVENT.

THE PROPOSED GRADIENTS WILL ALLOW A GRAVITY NETWORK TO EXISTING PUBLIC MANHOLE ON THE 725 uu DRIAN

FOUL WATER

FOUL WATER WILL DISCHARGE UNRESTRICTED BY GRAVITY INTO EXISTING MANHOLE LOCATED ON SNELL STREET THE PROPOSED FOUL WATER NETWORKS WILL FOLLOW THE PROPOSED SITE GRADIENTS TO ENSURE DEPTHS ARE KEPT TO A MINIMUM AND THE CLOSEST POINT OF CONNECTION TO THE EXISTING SEWER NETWORK CAN BE MADE.

EXISTING SEWERS

THERE ARE NO PUBLIC SEWERS ON SITE . THE ONLY UU ASSET IS LOCATED IN SNELL STREET - ALL NEW PROPERTIES OUR OUTSIDE THE OBSERVABLE EASEMENT REQUIREMENTS.

REV	DATE	DESCRIPTION	BY	CHK	APP			
DRAWING STATUS: Preliminary								
CLIENT: Brookfinch								
ARCHITECT: Calder Peel								
PROJECT: Snell Street								
TITLE: Proposed Drainage Strategy								
STATUS:	PROJECT No:	PROJECT	ORIGINATOR	VOL/SYS/LEVEL	TYPE	ROLE	DRAWING No	REV:
S2	221-062	SNL	- AJP	- ZZ	- 00	- DR	- C - 0001	P01
SCALE @ A1:	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:			
1:100	KOB	AMG	KOB	KOB	April 21			
 consulting engineers 0151 227 1462 info@ajpltd.co.uk 01 Dale Street, Liverpool, L2 2ET								