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		Foul Oraina Delow In around rice Raiswater In Arcenting		Impact of future water levels, deptice an dramage system, location of fishings and division of systems. Positistry Mater: Back Rev drama and seeled covers (asked)	Poro locato	f under nvention)	lecated under soft landscaping to enable	All papes lacated under self-landscaping to anable replacement/ improvement (greater space take)	Maste fitting ground Flate, 1:100 level 6 incorparating choins (WC, 1 atacks at 2 research (WC)	allow back flo AV state	Waste Fittings elevated; able ta be related in fature (NIC, AAX atab stacks etc)	Transfer closets?	to nen weber		Conventional plastic charage is praigravo with Recible connections	Concrete enclosed plastic plang with flaxible contextors (ta withstand Muter water loads during flage)	City poe sy withstand N		
				Need for rainwater harvesting and the potential to increase provision in the future					focuted before in the courty for pipes, pur- treatment etc.	and (need	Communal eyiden located at high level (New York style-need for pages, pumps, treatment etc)		dividuel RM systems cated on ternecies or this faits (space take a faits)		Reinwater hervesting infrastructure WCs cell profility ta instell at later date?1	Reinwater hervesting Infrastructure all wider Ordelity ta install at Inter Oaks11 inter Set		haitracture	
	BASIN (avvai 13 <mark>spelises fran</mark>		ing Jika	Read to increase SUD's provision to reduce future run off rates and deal with extreme developura	Pumped drie below groun (option to ex change rate froors above 1.180+20%	d storage pand /	Drawity fed natural systems with top up storage where required (min required) from above	Nide, shallow gravity fed astural systems (more space take)	Ground level (such ac ova on abreat side	HK. DICO	Padant level ranvatar storege	(e.fhoe) run off)	Intensive green roots (sufficient to control at run off)		Flat roofs, parapeta and convertional rais water goots	Pitched roph, perapeta 7 set in memory (far security)	Pitched roof external gut RMPs	Land Seting /	
		Resilience an	3	Need to provide resilience (veter in) above design fload level (1:180+CC)	 Tev path Prev path<	is beneath and ely, IF , buildings 80	Poors above 1:180+20%CC+300m In: Create flow paths for higher flowal levels between buildings by removing 30% of grd fr units.	Raise oil floor levels (spis 600mm) to above 3 1804 20%CC 2300m m flood level and create flaws beneath sleb.	Overge provi units to least uses, such as restaurant or where in faco petito.	rstail	e Remove patiential obstructions to flood flaws such as patio wells between houses	through resistant as commits fo flats of	ood how paths dedicated areas, such until stanwells r entrance I garages is		See construction section	n below			
	SUDS (awa		prov off ra	teed to increase SUD's invision to reduce future run iff rates and deal with extreme lownpours			ed drainage and ground storage h to expand / e rates)	Gravity fed natural systems with top up storage where requi (min required)		fed i	e, shallow gravi natural systems re space take)			54	el measures vales, prob Podium level rai de) storage		nwater		ve green roofs ent to control all
04	Resilience i conveyance		(wat	teed to provide resilience water in) above design flood evel (1:100+CC)			above +20%CC+300m w paths beneatl ilding and ards only. If fs this, buildings it and no ted flows.	h 1:100+20% m. Create flo for higher flo	CC+300m w paths od levels dings by	(ap: 1:1) m fl	e all floor levels 600mm) to ab 00+70%CC+30 ood level and ite flows beneat	ove Om			or retail ood flow	Remove potential obstructions to flood flows such as patio therety of ground floo units, buildings are designed to by designed to bother water inundation (1000 yr level) by raising windows, sold walls, solid doors, flood guards etc.		Create flood flow paths through dedicated resistant areas, such as communal statiwells to fists or entrance halls and garagies in houses. Entrance halls, WC areas are designed to be resistant to 600mm water inundation (1000 yr level) with solid walls, doors, flood guardg etc.	
	Resistance and			l to consider resistar ping water out) in so				will reduce fil storage if a f	e designed nt. This ood lood In 0+20% C	All s buil	All ground floor unit building designed to resistant		Buildings designed resistant option to improve future.		rre not o be ow but etrofit ents in the				
-		Thermal mas	,	Ability to change preportion of expressed thermal change					plasterbased possibility to replace/verso future		teeling traches to stonatioling and say painted concrete respectively	Parshes a increase (care lar f chylining	owled to thermal mass o #30mg		ee relationship with is	wiation			
	Heating ran 12 and service 13 facilities to			Heating and electrical systems throughout deeps Type and tocates with respect to realiserce, coprise etc.	Communal p foel etz) et p foor	lant (CHP, pround	Communal plant above ground floar	Kart wode each ceit (soch as individual bolient)	(Insted pate cooling, woul additional to External to w frame	d need benet.	Underfloor heating (with patiential to add coaling to evident) Within the pavity or foame	penible and future	r cysteri with reat exchange o codino 3 walts pr		FIR, EPS (ve of based	Hiseral/rock wool, recycled allantic	Solaris' prio (colluiste, P	nokals , nosl, stran,	
	н	CONSTRUCT Foundation :		Bod conditions dictate that place are best option but can they be adapted to work with the future					Sec relations	hig with a	on vesterce			l	Friction plies, stub columns, ground beams	Pilet + ground bearet set book and slab cattileeered to edge of building	Sees trend	(potrep	
	st	Resilient ma - SLAD	leriais	Effect of (3.4ure) extended withins and water pressure										100	te-etu conceste siok with insulation abcostibritov sisk	Timber joints and plenks of 1 baseding block Timber hame Steel or to have with	core canove planks or te block Statel or con frame with r	sere and serve and soretie stated staud	
	54	Foollant ma • WALLS Foollant ma	-	vetting and water pressure											Brick and block, canity manorry will construction	initial Break, London, render or metal panel freich States / tie		ness house op(21)	
	11	- PEALSHES Threshold jo	ists	Instance and a reclassion impact of debris, weller logging and water pressure on external debris and wendres					As shown - fr plazed doors andestano	(I height (IIO	nerraw glazed doors and rated withdows	playing a playing a	olid decesi and bove fload	ł	Canad / self frames	Torder / haved frances	Class UPST hone	4	



















