

New culvert. Size TBC

Drain

New culvert. Size TBC Proposed road with minimum cross fall of 1:40 to ensure all water from runoff discharges into the filter drains

Image: Construction of the construc

porosity of permeable granular material.

Filter drains to clean pollutants from road runoff.

to have gradient equal to the road.

into the proposed pond.

Glacial Till superficial deposits.

Proposed filter drains to attenuate the runoff of the new tarmac road for the 1 in 100 year + 40% climate change allowance storm

Maximum filter drain attenuation volume of 136m³ based on 30%

Filter drain size: 1m deep, 0.5m wide with 225mm diameter pipe

Due to the uncertainty of the soakage capacity of the existing ground, filter drain will be designed with an overflow to discharge

event. Filter drain based on the infiltration rate of the existing

Issues

	Note 1. 2.	Do not s	scale from		-	llimetres unl	ass other	wise	
	3.	stated.				njunction wit			
	4.	docume	nts and d	rawings		rage or copy		an	
	5.	All spati	al coordin	ates rel		the Ordnanc	-	, British	
	6.	All levels		,	nd rela	te to AOD (0	Ordnance	Survey	,
	7.	0	watercou			LIDAR data 022 ordnand		•	crown
	8.		(drainage			uding attenu ed in accord			
	9.	the SUD It is antic	OS Manua cipated th	l 2015. at there	will be	e no significa /stem has be	nt increa	se in rur	
	10.	drainage	e strategy	for deta	ails (10	es via flow co 8939-MMD- th a camber/	BRGR-X	X-TN-C-	0045).
	11.		arge into osed drair			drain. the Highway	s Constru	uction D	etails
		(HDC) M Propose	/ICHW Vo ed access	lume 3 road an	Section d filter	n 1, Series F drains to fo	[:] Drainag llow the ⊦	e. lighway:	S
	13.	Edge of	Pavemen	nt Details	S.	HW Volume when minim			
	1		ccess roa Drawing F		er Type	e Z HCD Tre	nch and I	Bedding	
	14.	All filter Bedding	drains to Details d	be Type rawing l	F2 and	D Filter Dra for details o pe 1A(flexib	of section	of the d	
	15	drawing	B1 series	6.	2	emporary dra		,	onte
	10.	(includin	ng tempor	ary exca	avation	s required for	or drainag	ge, temp	orary
\backslash			on of exist			drainage sy and utilities)			
Draiii	Key	to symbols	 i	SURFACE	WATF	R FILTER DR/	AIN WITH 2	225Ø	
\mathbf{X}			PERFO	DRATED	PIPE				
\sim				SURFACE					
						R/FOUL WATI	ER MANHC	DLE	
	NEW FOUL WATER PIPE								
$\langle \rangle$				MEABLE					
			- EXIST	ING WAT	ER CO	JRSES			
	-	0	MANH	OLE WIT	H FLOV	V DEVICE			
	_	• ' ' -	- EXISTI	ING FOU	L WATE	R PRIVATE D	RAIN		
	Refe	rence draw	vings						
	10893	9-MMD-BRG	R-XX-DR-C-0	014 Genera	l PV Layo	ut			
	P02	15/11/202	2 OJ	Second I	ssue			ARD	РМ
	P01	07/11/202	2 OJ	First Issu	le			ARD	SA
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