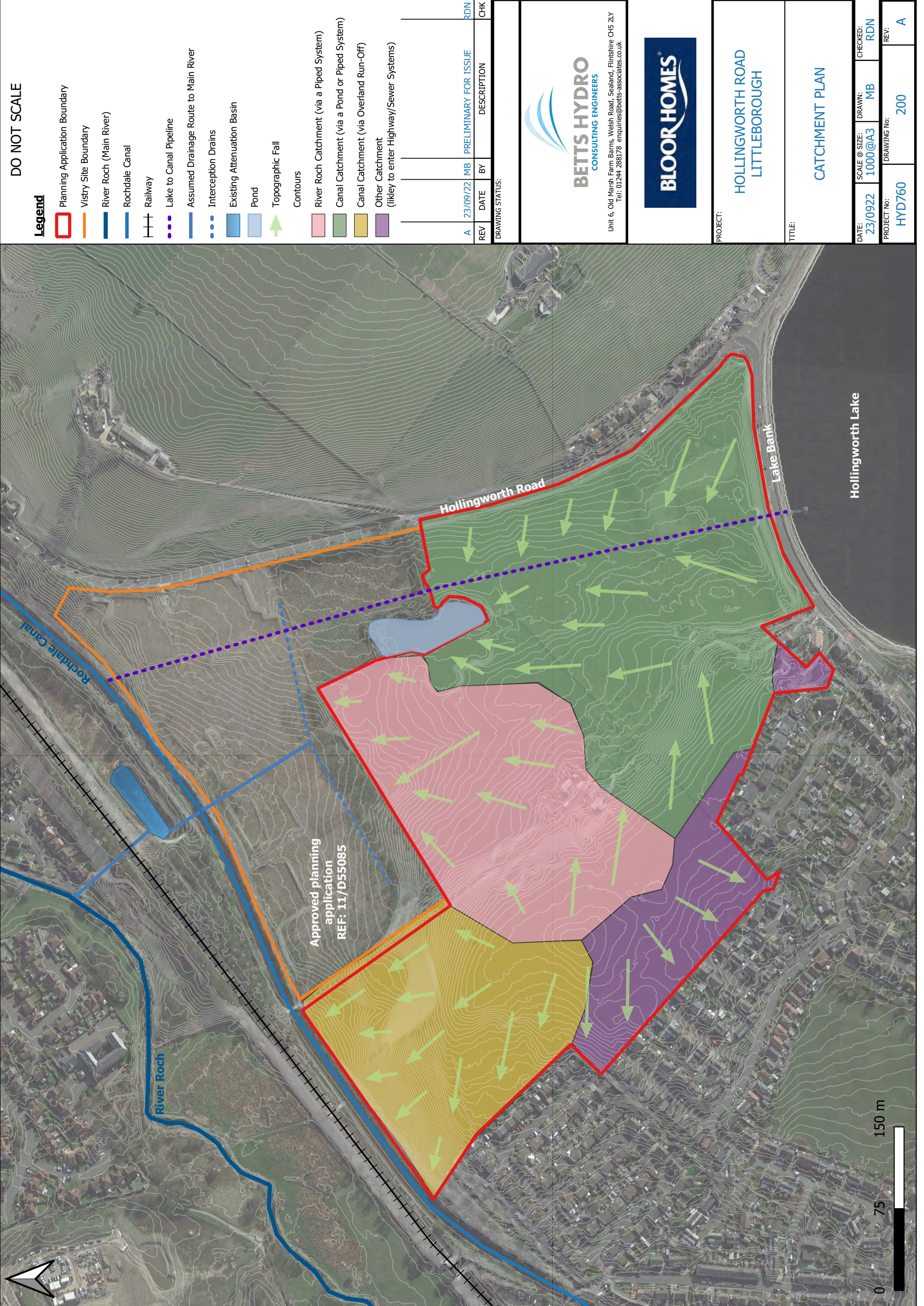




DO NOT SCALE

Legend

- Planning Application Boundary
- Vistry Site Boundary
- River Roch (Main River)
- Rochdale Canal
- Railway
- Lake to Canal Pipeline
- Assumed Drainage Route to Main River
- Interception Drains
- Existing Attenuation Basin
- Pond
- Topographic Fall
- Contours
- River Roch Catchment (via a Piped System)
- Canal Catchment (via a Pond or Piped System)
- Canal Catchment (via Overland Run-Off)
- Other Catchment (likley to enter Highway/Sewer Systems)

REV	DATE	BY	DESCRIPTION	CHK
A	23/09/22	MB	PRELIMINARY FOR ISSUE	RDN
DRAWING STATUS:				

BETTS HYDRO
CONSULTING ENGINEERS

Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
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PROJECT:				
HOLLINGWORTH ROAD LITTLEBOROUGH				
TITLE:				
CATCHMENT PLAN				
DATE:	SCALE @ SIZE:	DRAWN:	CHECKED:	
23/0922	1000@A3	MB	RDN	
PROJECT No:	DRAWING No:		REV:	
HYD760	200		A	

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APPENDIX P: SIMPLE WATER QUALITY MANAGEMENT ASSESSMENT

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Description of area being served		Ref. no.	Category	Treatment, Stage and Component						Total SuDS mitigation index	Assessment criteria (y/n)
			Pollution type	Hazard Index	Primary	Secondary	Tertiary (Stage A)	Tertiary (Stage B)	Tertiary (Stage C)	Tertiary (Stage D)	
Roof area - served by single detention basin	Residential roofs	001	Pollution hazard level	Very Low	Detention basin						
			Total suspended solids (TSS)	0.2	0.50						0.50
			Metals	0.2	0.50						0.20
			Hydrocarbons	0.05	0.60						0.60
Roof area - served by two detention basins	Residential roofs		Pollution hazard level	Very Low	Detention basin	Detention basin					
			Total suspended solids (TSS)	0.2	0.50	0.50	0.25				0.75
			Metals	0.2	0.50	0.50	0.25				0.20
			Hydrocarbons	0.05	0.60	0.60	0.30				0.90
Roof area - served by three detention basins	Residential roofs		Pollution hazard level	Very Low	Detention basin	Detention basin	Detention basin				
			Total suspended solids (TSS)	0.2	0.50	0.50	0.25	0.25			1.00
			Metals	0.2	0.50	0.50	0.25	0.25			0.20
			Hydrocarbons	0.05	0.60	0.60	0.30	0.60			1.20
Roof area - served by four detention basins	Residential roofs		Pollution hazard level	Very Low	Detention basin	Detention basin	Detention basin	Detention basin			
			Total suspended solids (TSS)	0.2	0.50	0.50	0.25	0.50	0.25		1.25
			Metals	0.2	0.50	0.50	0.25	0.25	0.50	0.25	0.20
			Hydrocarbons	0.05	0.60	0.60	0.30	0.60	0.30	1.50	0.05
Roof area - served by five detention basins	Residential roofs		Pollution hazard level	Very Low	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin		
			Total suspended solids (TSS)	0.2	0.50	0.50	0.25	0.50	0.25	0.50	1.50
			Metals	0.2	0.50	0.50	0.25	0.50	0.25	0.25	0.20
			Hydrocarbons	0.05	0.60	0.60	0.30	0.60	0.30	0.30	1.80
Roof area - served by six detention basins	Residential roofs		Pollution hazard level	Very Low	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin	
			Total suspended solids (TSS)	0.2	0.50	0.50	0.25	0.50	0.25	0.50	1.75
			Metals	0.2	0.50	0.50	0.25	0.50	0.25	0.25	0.20
			Hydrocarbons	0.05	0.60	0.60	0.30	0.60	0.30	0.30	2.10
Impervious access roads - served by single detention basin	Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non residential car parking with infrequent charge (eg schools, offices) > 1e <300 traffic movements per day		Pollution hazard level	Low	Detention basin						
			Total suspended solids (TSS)	0.5	0.50						0.50
			Metals	0.4	0.50						0.50
			Hydrocarbons	0.4	0.60						0.60
Impervious access roads - served by two detention basins	Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non residential car parking with infrequent charge (eg schools, offices) > 1e <300 traffic movements per day		Pollution hazard level	Low	Detention basin	Detention basin					
			Total suspended solids (TSS)	0.5	0.50	0.50					0.75
			Metals	0.4	0.50	0.50					0.75
			Hydrocarbons	0.4	0.60	0.60					0.90
Impervious access roads - served by three detention basins	Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non residential car parking with infrequent charge (eg schools, offices) > 1e <300 traffic movements per day		Pollution hazard level	Low	Detention basin	Detention basin	Detention basin				
			Total suspended solids (TSS)	0.5	0.50	0.50	0.50				1.00
			Metals	0.4	0.50	0.50	0.50				1.00
			Hydrocarbons	0.4	0.60	0.60	0.60				1.20
Impervious access roads - served by four detention basins	Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non residential car parking with infrequent charge (eg schools, offices) > 1e <300 traffic movements per day		Pollution hazard level	Low	Detention basin	Detention basin	Detention basin	Detention basin			
			Total suspended solids (TSS)	0.5	0.50	0.50	0.50	0.25			1.25
			Metals	0.4	0.50	0.50	0.50	0.25			0.40
			Hydrocarbons	0.4	0.60	0.60	0.60	0.30			0.40
Impervious access roads - served by five detention basins	Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non residential car parking with infrequent charge (eg schools, offices) > 1e <300 traffic movements per day		Pollution hazard level	Low	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin		
			Total suspended solids (TSS)	0.5	0.50	0.50	0.50	0.25	0.50		1.50
			Metals	0.4	0.50	0.50	0.50	0.25	0.25		0.40
			Hydrocarbons	0.4	0.60	0.60	0.60	0.30	0.60		0.40
Impervious access roads - served by six detention basins	Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non residential car parking with infrequent charge (eg schools, offices) > 1e <300 traffic movements per day		Pollution hazard level	Low	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin	
			Total suspended solids (TSS)	0.5	0.50	0.50	0.50	0.25	0.50	0.25	1.75
			Metals	0.4	0.50	0.50	0.50	0.25	0.25	0.25	0.40
			Hydrocarbons	0.4	0.60	0.60	0.60	0.30	0.60	0.30	0.40
School Roof area - served by six detention basins	Other roads. Typically commercial/industrial roads		Pollution hazard level	Low	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin	
			Total suspended solids (TSS)	0.2	0.50	0.50	0.25	0.50	0.25	0.25	1.75
			Metals	0.2	0.50	0.50	0.25	0.50	0.25	0.25	0.20
			Hydrocarbons	0.05	0.60	0.60	0.30	0.60	0.30	0.30	0.05
School Car Parking/Access area - served by six detention basins	Commercial grid and delivery areas, non-residential car parking with frequent charge (eg hospitals, retail), all roads except low traffic roads and trunk roads/motorways		Pollution hazard level	Medium	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin	
			Total suspended solids (TSS)	0.7	0.50	0.50	0.25	0.50	0.25	0.25	1.75
			Metals	0.6	0.50	0.50	0.25	0.50	0.25	0.25	0.60
			Hydrocarbons	0.7	0.60	0.60	0.30	0.60	0.30	0.30	0.70
Roof area - served by single detention basin	Residential roofs		Pollution hazard level	Very Low	Detention basin						
			Total suspended solids (TSS)	0.2	0.50						0.50
			Metals	0.2	0.50						0.20
			Hydrocarbons	0.05	0.60						0.60
Impervious access roads - served by single detention basin	Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non residential car parking with infrequent charge (eg schools, offices) > 1e <300 traffic movements per day		Pollution hazard level	Low	Detention basin						
			Total suspended solids (TSS)	0.5	0.50						0.50
			Metals	0.4	0.50						0.40
			Hydrocarbons	0.4	0.60						0.60
Roof area - served by six detention basins	Residential roofs		Pollution hazard level	Very Low	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin	
			Total suspended solids (TSS)	0.2	0.50	0.50	0.25	0.50	0.25	0.25	1.75
			Metals	0.2	0.50	0.50	0.25	0.50	0.25	0.25	0.20
			Hydrocarbons	0.05	0.60	0.60	0.30	0.60	0.30	0.30	0.05
Impervious access roads - served by six detention basin	Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non residential car parking with infrequent charge (eg schools, offices) > 1e <300 traffic movements per day		Pollution hazard level	Low	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin	Detention basin	
			Total suspended solids (TSS)	0.5	0.50	0.50	0.25	0.50	0.25	0.25	1.75
			Metals	0.4	0.50	0.50	0.25	0.50	0.25	0.25	0.50
			Hydrocarbons	0.4	0.60	0.60	0.30	0.60	0.30	0.30	0.40

EASTERN DEVELOPMENT PARCEL

N. WESTERN DEVELOPMENT PARCEL

S. WESTERN DEVELOPMENT PARCEL

APPENDIX Q: NOTES OF LIMITATIONS

The data essentially comprised a study of available documented information from various sources together with discussions with relevant authorities and other interested parties. There may also be circumstances at the site that are not documented. The information reviewed is not exhaustive and has been accepted in good faith as providing representative and true data pertaining to site conditions. If additional information becomes available which might impact our conclusions, we request the opportunity to review the information, reassess the potential concerns, and modify our opinion if warranted.

It should be noted that any risks identified in this report are perceived risks based on the available information.

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