

CONSTRUCTION SURFACE WATER MANAGEMENT PLAN

McDonald's, Horton Road, Devizes (ST2029)



Prepared for: McDonald's Restaurants Ltd
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Document History

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Table 1: Summary of Intrusive Geo-Environmental Investigation

Figure

Figure 1: Site Location Plan

Figure 2: Existing Site Layout & Overland Flow Route

Figure 3: Construction Management Plan Including CSWMP Measures

1.0 Introduction

- 1.1 McDonald's Restaurants Ltd have appointed Glanville Consultants to prepare a Construction Surface Water Management Plan (CSWMP) for the proposed McDonald's Restaurant to be located at an existing area which is currently used as a petrol filling station, used car sales and car servicing garage in Devizes. The CSWMP will be submitted to the Local Authority as part of the planning application and construction works will be carried out in accordance with this plan.
- 1.2 Devizes is a historic market town and civil parish located in the county of Wiltshire. It lies roughly centrally within Wiltshire, about 16 miles east of Bath, 11 miles northeast of Trowbridge, and 6 miles south of Calne. The proposed site is located in the northeastern part of the town and to the east of the roundabout junction between Horton Road, London Road, and the A361. The development site area itself is currently a petrol filling station, used car sales and car servicing facility with an existing access from Horton Road to the south. It is proposed that access from Horton Road will be utilised for the new restaurant.

2.0 Existing Site Conditions

- 2.1 The site has levels ranging from approximately 90.0m along the southern boundary to around 85.05m in the north-east corner. There is a natural ridge to the site towards the western end and levels then fall away again to around 87.8m to the north-western corner. The ground gently falls away in both direction from the high point. Figure 2 shows the existing topography falls and over land flow routes.
- 2.2 A Geo-Environmental Desk Study (Phase 1) was completed for the site. This provided the following information from published records. From the published records, the geology information on the area indicates that the site is directly underlain by bedrock geology of the Upper Greensands Formation. There were no available records to indicate the superficial deposits within 250 metres of the site. Due to the nature of the site, it is anticipated there will be made ground under the hard standing areas. At this stage due to the current use as a petrol filling station, car wash and car repair and servicing garage, it should be assumed that there is the potential for a high risk of contamination from fuel spillages and leaks from buried fuel tanks.

3.0 General Construction Conditions

- 3.1 The site is currently unused brownfield land.
- 3.2 The proposed McDonald's restaurant is a modular building, manufactured off-site and assembled on site. The design finished levels are set to accommodate the surrounding levels and to minimise the extent of filling and excavation requirements. Excavated suitable material will be re-used as fill, to reduce the volume of spoil and fill to be removed and imported to the site.
- 3.3 Given the nature of the construction works, the volume of HGV vehicles using the site during construction will be kept to a minimum.
- 3.4 The duration of construction is likely to be approximately 14 weeks from the commencement of groundworks to final completion. Local residents will be informed by letter of the construction periods and delivery times as well as contact details for site staff, should they have any queries or concerns.
- 3.5 Working Hours shall be
- | | |
|------------------|-----------------------|
| Monday to Friday | 07:30 to 18:00 |
| Saturday | 07:30 to 12:00 (Noon) |

4.0 On Site Responsibilities & General Checks

- 4.1 The main contractor will appoint a Site Manager who will be responsible for surface water management and the implementation of this plan. Details of the Construction Surface Water Management Plan Measures are shown in Figure 3 and should be read in connection with this section of the report. The site manager will delegate duties and ensure a log is kept of regular checks and maintenance of the CSWMP measures.
- 4.2 The following checks and maintenance will be required.

Initially

- Safeguard existing sensitive features such as existing ponds or watercourses. There are no ordinary water courses or main rivers located within 300m of the proposed development site. The Kennet & Avon Canal passes some 500m to the south. There are no watercourses or ponds close enough to be affected by any water runoff from the site.
- Identify any sensitive habitats on or near the site.
- Put in place construction site drainage controls including: a berm along the southern boundary with a filter trench alongside it to collect run-off, leading to a settlement / attenuation basin located in the SE corner of the site, discharging via a silt buster to a soakaway, see Figure 3.
- Ensure all plant and equipment is appropriately certificated to ensure it is fit for use without leaking oil or fuel.
- Set up a safe impermeable bunded area for storage of chemicals and potentially contaminated materials.
- Set up a material storage area, in a location away from any watercourses. Consider covering materials or bunding the area to prevent rainwater washing fine particles of materials and onto the ground / groundwater / watercourse.
- Where possible use buffer strips of vegetation around working areas to act as sediment filters.

Daily

- Ensure any potentially contaminative materials are actually stored within the bunded impermeable area.
- Keep carriageway and footpaths free of silt / mud.
- Ensure that wastes removed are treated as controlled wastes and disposed of according to waste disposal strategy.
- Check settlement basins & silt buster and empty sediment.
- Check weather forecast and take any necessary precautionary action, such as additional attenuation areas using temporary bunds &/or skips.
- Ensure any temporary earthwork stockpiles are located away from watercourses and drainage systems. Ensure protection downstream of stockpiles, such as silt fences, to prevent silt loaded run-off entering a watercourse or drainage system.
- Ensure that trucks are not overloaded or have debris protruding over the sides.
- Ensure subsoil is not left exposed for a long period by programming work carefully.

Weekly

- Visually check all plant & Equipment for leaks.
- Ensure surface water provisions are suitable for programmed upcoming work.
- Use wheel washing facility where necessary.
- Seek approval from local utility (Water Service) for any planned discharge to sewer.
- Seek approval from local Regulator (EHS, SEPA, EA, EPA, Sewerage Undertaker) before positively discharging any storm **water to the ground or surface water sewer.**

5.0 Required Consents

- 5.1 Sewerage Undertakers do not permit the discharge of groundwater to the surface water drainage system. If during construction, any water collected by temporary drainage measures requires discharge to the foul drainage system then permission must be sought in advance.
- 5.2 Prior to discharging run-off to the temporary soakaway, contact the Environment Agency for approval, including details of the works and silt removal processes.

6.0 Flood Alert and Weather Warnings

- 6.1 At the start of each week, check the Met Office 7-day weather forecast and each morning check the daily forecast, using the web address below.

<https://www.metoffice.gov.uk/public/weather/forecast>

7.0 Flood Risk Controls

7.1 Use flood and weather forecasts to plan work appropriately. Including:

- Avoid working on live sewers or watercourses during heavy rainfall or flooding and ensure works are safe for flood flow conditions.
- Ensure temporary site drainage and pollution protection measures such as silt fences, bunds and grips are adequate for the weather forecast.
- Ensure plant and materials are not stored in areas at risk from flooding.

8.0 Pollution Water Quality and Emergency Control Measures

8.1 In the event of any pollution on the site take immediate action to mitigate the impact as follows:

- Limit further pollution, e.g., seal leaking tank or remove to a contained area.
- Limit spread of pollution, e.g., spread sand or create bund to contain surface pollution.
- Remove pollution to a safe area, e.g., pump pollution from bunded area into a suitable container.

8.2 If a pollution incident has occurred on site, following the immediate actions to mitigate the impact of the pollution, the following measures should be taken:

- Notify the Site Manager if not already done so.
- Record a detailed account of the type of pollution, date, time, weather conditions, volume of polluting material, location of pollution and mitigation measures taken.
- Notify the Environment Agency if pollution has entered a watercourse or groundwater.
- Arrange for geo-environmental advice if contamination has entered the ground.
- Remove pollution from the site, e.g., determine nature of pollution and dispose to an appropriate location such as a licensed waste site.
- Investigate how the pollution incident happened and put in place measures to ensure a repeat of the same incident cannot happen again.

9.0 Legislation & Guidance

9.1 For further information seek professional advice and/or read the following:

- Water Framework Directive (2000/60/EC)
- EC Freshwater Fish Directive (78/659/EEC)
- Habitats Directive (92/43/EEC)
- Integrated Pollution Prevention & Control Directive (2008/1/EC)
- Flood and Water Management Act 2010
- UK Water Quality (Water Supply) Regulations 2000
- Pollution Control and Local Government Order 1978
- The Groundwater Regulations 1998
- Fisheries Act 1966
- Land Drainage Act 1994
- Code of Practice for Protecting Board Maintained Watercourses and Culverts
- The Environment Act 1995
- EC Dangerous Substances Act
- The Control of Pollution (Oil Storage) (England) Regulations 2001
- PPG01 General Guide to the Prevention of Water Pollution
- PPG02 Above Ground Oil Storage Tanks
- PPG03 Use and Design of Oil Separators in Surface Water Drainage Systems
- PPG04 Disposal of Sewage where no Mains Drainage is available
- PPG05 Works in near or liable to affect Watercourses
- PPG06 Working at Construction and Demolition Sites
- PPG07 Refuelling Facilities
- PPG18 Managing Fire Water and Major Spillages
- PPG20 Dewatering Underground Ducts and Chambers
- PPG21 Pollution Incident Response Planning
- PPG26 Pollution Prevention Storage and Handling of Drums & Intermediate Bulk Containers
- BRE365 Guide to Soakaway Design
- BS6031:1981 Code of Practice for Earth Works (UK Guidance)
- CIRIA Report C502 Environmental Good Practice on Site
- CIRIA Report C532 Control of Water Pollution from Construction Sites
- CIRIA Report C648 Control of Pollution from Linear Construction Project –Technical Guidance
- CIRIA Handbook C650 Environmental Good Practice on Site
- CIRIA Handbook C651 Environmental Good Practice on Site Checklist
- CIRIA Report C609 SUDS – Hydraulic, Structural & Water Quality Advice
- CIRIA Report C689 Culvert Design and Operation Guide
- CIRIA Report C692 Environmental Good Practice on site 3rd Edition
- CIRIA Report C753 The SuDS Manual

Figures



- NOTES
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- KEY:
- APPLICATION BOUNDARY

FIGURE 1

PI	FIRST ISSUE	02.12.25	SWF/HBG
Rev.	Description	Date	By / Chkd



Survey > Plan > Engineer

 Civil Engineering

 Structural Engineering

 Transport Planning

 Highways Engineering

 Building Surveying

 Geomatics

Herefordshire

Oxfordshire

Cambridgeshire

Bristol

Client:	
Project:	MCDONALD'S RESTAURANT DEVIZES HORTON ROAD (ST2029)
Title:	SITE LOCATION PLAN
Engineer: SWF	Date: DEC 2025
Director: HBG	Scale: NTS
Status:	PRELIMINARY
Drawing No.	4240491-SK03
Rev	PI



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- KEY:
- APPLICATION BOUNDARY
 - TOPOGRAPHICAL SURVEY
 - OS MAP
 - EXISTING OVERLAND FLOW ROUTE
 - EXISTING 0.10m CONTOURS BASED ON TOPOGRAPHICAL SURVEY

FIGURE 2

P2	SITE LAYOUT UPDATED.	22.05.26	SWF	HBG
P1	FIRST ISSUE	02.12.25	SWF	HBG
Rev.	Description	Date	By	Chkd



Survey > Plan > Engineer

 Civil Engineering

 Structural Engineering

 Transport Planning

 Highways Engineering

 Building Surveying

 Geomatics

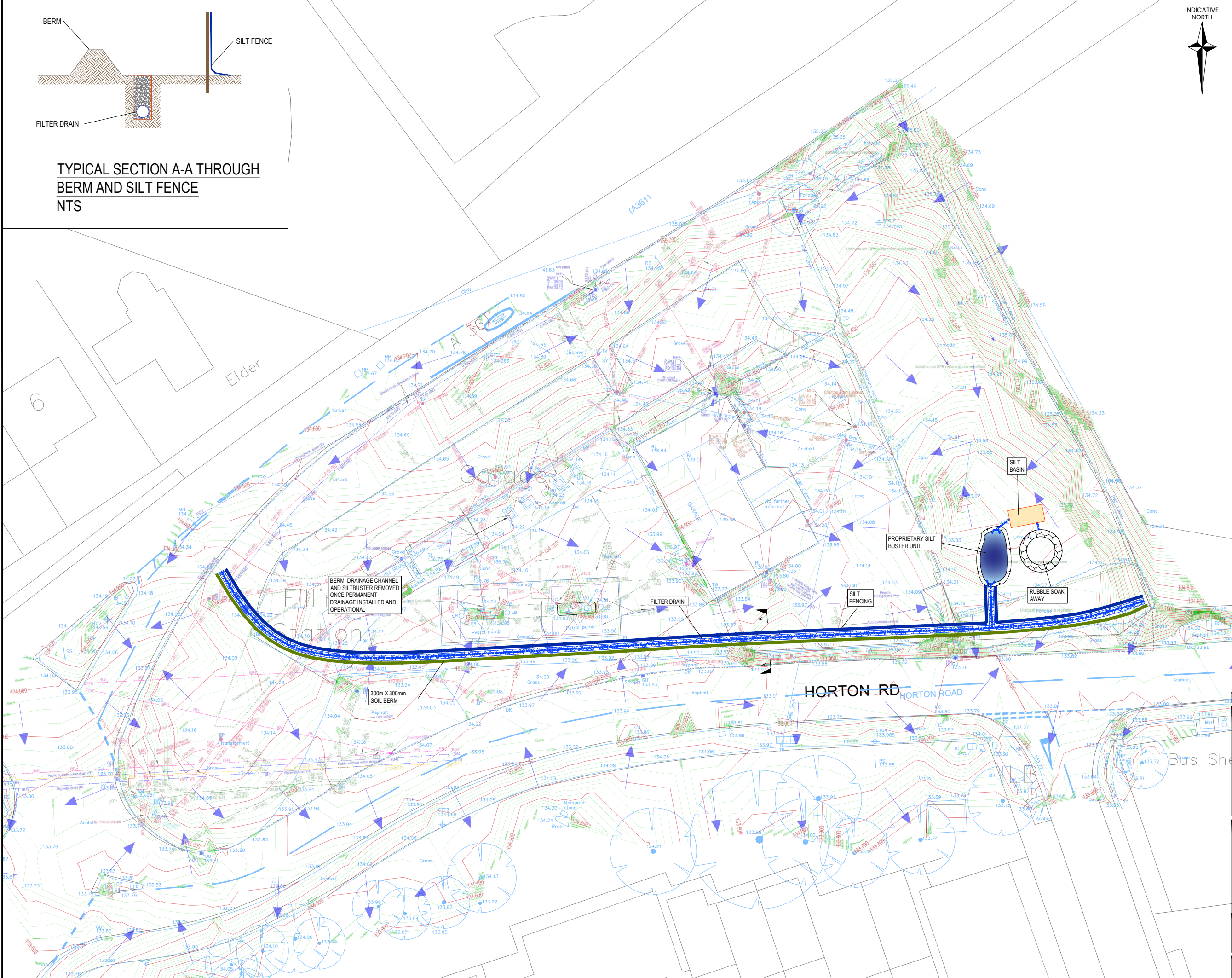
Herefordshire

Oxfordshire

Cambridgeshire

Bristol

Client:			
Project:	McDONALD'S RESTAURANT DEVIZES HORTON ROAD (ST2029)		
Title:	EXISTING SITE SURVEY AND OVERLAND FLOW ROUTES		
Engineer:	SWF	Date:	DEC 2025
Director:	HBG	Scale:	1:200 @ A1
Status:	PRELIMINARY		
Drawing No.	4240491X-SK05	Rev	P2



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- KEY:**
- APPLICATION BOUNDARY
 - TOPOGRAPHICAL SURVEY

FIGURE 3

P02	UPDATED TO AVOID SOME EXISTING SERVICES.	20.01.26	SWF	HGB
P01	FIRST ISSUE	02.12.25	SWF	HGB

Rev	Description	Date	By	Chkd

Civil Engineering Highways Engineering
Structural Engineering Building Surveying
Transport Planning Geomatics

Hertfordshire | Oxfordshire | Cambridgeshire | Bristol

Client:			
Project:	MCDONALD'S RESTAURANT DEVIZES, HORTON ROAD SN10 2FZ (ST2029)		
Title:	PROPOSED CONSTRUCTION SURFACE WATER MANAGEMENT PLAN		
Engineer:	SWF	Date:	DEC 2025
Director:	HGB	Scale:	1:200 @ A1
Status:	PRELIMINARY		
Drawing No.	4240491-SK11	Rev	P02

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