



LEGEND

- SITE BOUNDARY
- FINISHED FLOOR LEVEL
- SURFACE WATER CONVEYANCE MAIN DRAINAGE
- S104 FOUL WATER MAIN DRAINAGE
- SURFACE WATER RUN-OFF FROM ROOF AREAS IS CONVEYED THROUGH A TYPICAL PLOT DRAINAGE NETWORK DISCHARGING INTO THE SUB-BASE OF THE PERMEABLE CARRIAGEWAY VIA A PERFORATED OUTLET PIPE.
- SURFACE WATER RUN-OFF FROM ROOF AREAS IS CONVEYED THROUGH A TYPICAL PLOT DRAINAGE NETWORK DISCHARGING INTO DOMESTIC PCC RING SOAKAWAY.
- CATCHPIT MANHOLE AND CONNECTION TO CARRIAGEWAY SUDS FEATURE
- PLOT DRAINAGE CONNECTION MANHOLE & PIPE WORK
- PERMEABLE SURFACE CARRIAGEWAY, SUBSTRUCTURE IMPERMEABLY LINED NOT ALLOWING WATER TO INFILTRATE DIRECTLY TO GROUND. RUN-OFF IS CONVEYED THROUGH THE SUB-BASE ULTIMATELY DISCHARGING TO THE PUMPING STATION.
- IMPERMEABLE PEDESTRIAN FOOTWAYS DISCHARGING ONTO PERMEABLE SURFACE CARRIAGEWAY
- IMPERMEABLE DRIVES, NON INFILTRATING, RUN-OFF IS CONVEYED THROUGH PIPE SYSTEM VIA CATCHPIT TO AN OUTLET PIPE AND INTO THE IMPERMEABLY LINED SUB-BASE OF THE CARRIAGEWAY CONVEYING FLOWS TO THE PUMPING STATION.
- IMPERMEABLE DRIVES, NON INFILTRATING, RUN-OFF IS CONVEYED THROUGH PIPE SYSTEM VIA CATCHPIT TO AN OUTLET PIPE AND INTO THE PERMEABLE SHEARED DRIVE INFILTRATING DIRECT TO GROUND.
- IMPERMEABLE CARRIAGEWAY/FEATURE TABLE - DCWW SERVICE CORRIDOR FOR ADOPTABLE FW DRAINAGE ACCESS
- IMPERMEABLE CARRIAGEWAY - DCWW SERVICE CORRIDOR FOR ADOPTABLE FW DRAINAGE ACCESS

Permeable surface carriageway, substructure impermeably lined NOT allowing water to infiltrate directly to ground. Run-off is conveyed through the sub-base ultimately discharging to the surface water pumping station.

Impermeable Shared Drive Non Infiltrating. Run-off is conveyed through pipe system via catch-pit to an outlet pipe and into the impermeably lined sub-base of carriageway.

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Surface Water Run-off from roof areas is conveyed through a typical plot drainage network discharging into the impermeably lined sub-base of the carriageway via a perforated outlet pipe.

If there was a need to repair or replace the road structure, this can be accomplished whilst maintaining emergency access and egress. As the overall depth of construction is <1.2m excavation & replacement of the road make-up (surface course, laying course, sub-base etc.) can be achieved through single lane closures and appropriate traffic management (temporary traffic lights, Stop/Go signage etc.)

Impermeable Feature Table /Carriageway to allow a service corridor for DCWW to access adoptable FW drainage for maintenance.

Flow Control Manhole

Plots and Shared Drive to drain via a traditional pipe network. Run-off is conveyed through pipe system to the sub-base of the shared drive infiltrating direct to ground.

Attenuation Basin. Impermeably lined, NOT infiltrating. Providing storage during extreme storm events and conveying flows to the Surface Water Pumping Station

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Impermeable Shared Drive Non Infiltrating. Run-off is conveyed through pipe system via catch-pit to an outlet pipe and into the impermeably lined sub-base of carriageway.

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Plots and Shared Drive to drain via a traditional pipe network. Run-off is conveyed through pipe system to the sub-base of the shared drive infiltrating direct to ground.

Revisions

No.	Date	Description	By
E	09.10.23	Updated to reflect comments from SAB	CP
D	13.08.23	SAB design oriented & updated with Layout Rev H	CP
C	13.02.23	Legend reviewed and colouring amended	CP
B	22.08.22	Dwg. revised & to be included in the SUDS Maintenance & Management Document	CP
A	02.08.22	Issue for SAB review and comment	CP

Drawing originator: **BETTS HYDRO**

Client: **Castle Green**

Project title: **Rossett Road, Rossett**

Drawing title: **Southern Land Parcel Main Drainage SUDS Features**

Scale: 1:250 for the original size of A0

Drawn by: CP Checked by: RA Issued by: RA Date: Aug 2022

For Information

Job No: CAS02

Project: XX | BETT | XX | XX | XX | C | 02

Revision: E

Do not scale this drawing

6-7 Old Main Farm Farm Road, Rossett, Flintshire, CH5 3LY

01244 589178 | 01244 589179