SURFACE COURSE :- 45mm thick min Hot Rolled Asphalt (HRA 35/14F SURF 40/60 DES) Surface Course with 20mm pre-coated Red aggregate chippings. (Alternative and less stiffer mixes may be permitted depended on laying conditions/constraints). No Limestone Aggregate. Grade of Binder 100/150.

BINDER COURSE :- 60mm thick AC20 Dense BIN 100/150 (to BS EN 13108-1:2006). Crushed rock aggregate (20mm Nominal). Grade of Binder 100/150

BASE COURSE :- 90mm thick AC32 Dense Base 100/150 (to BS EN 13108-1:2006). Crushed rock aggregate (32mm Nominal). Grade of Binder 100/150.

SUB-BASE :- 255mm thick Type 1 (subject to CBR values), to Clause 803.

CAPPING LAYER :- Capping thickness to be established following completion of CBR's . Capping thickness to be agreed prior to construction

Key

- Groundwater
- 1m above Groundwater
- Impermeable Membrane
- Permeable Membrane
- Geogrid

4.80m
(Feature Table)

Surface Course - 80mm Marshalls Priora pecast concrete block (or similar approved)

Laying Course - 50mm Sand Blinding to be compacted down to **30mm**

Base (roadbase) - 300mm ST4 concrete

REF:- BN2 Detail 'B'
125 x 255 bullnosed kerb to BS7263: Part 1 laid flush upside down with 150mm ST4 concrete bed and haunch

2.00m
Block Paved Rumble Strip

0.450

0.91

Concrete Bed and Hunch to extend 150mm below the Capping layer

1.73m

Site-won fill
(if suitable for re-use)

Existing ground
(un-disturbed)

Proposed Section 104 foul water sewer wrapped with impermeable geomembrane (shown at indicative depth)

0.15m

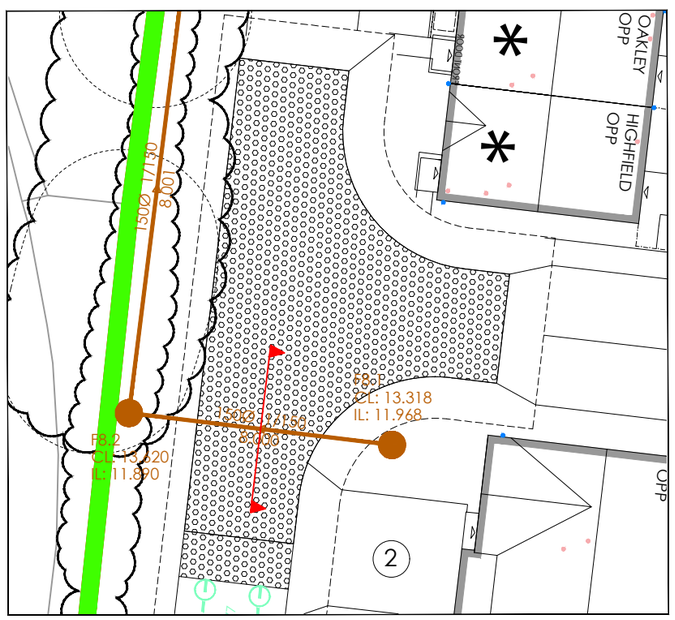
Existing ground
(un-disturbed)

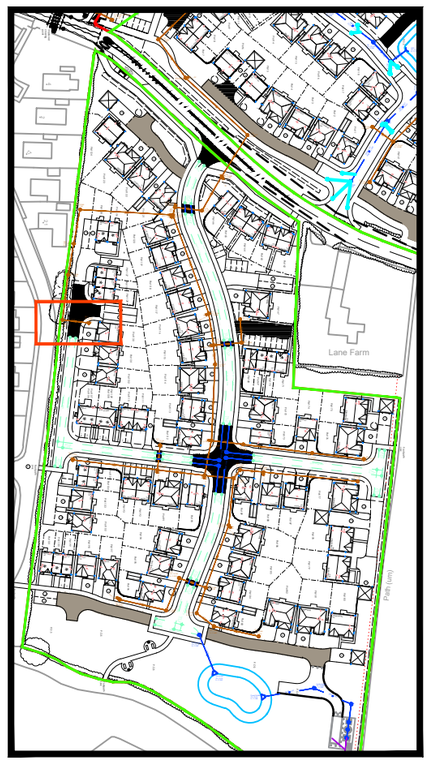
150mm
100mm
50mm
10mm
0

LEGEND

- SURFACE WATER SEWER (PRIVATE - SAB)
- SURFACE WATER MANHOLE (PRIVATE - SAB)
- FOUL WATER SEWER (ADOPTABLE - DCWW)
- FOUL WATER MANHOLE (ADOPTABLE - DCWW)
- PERMEABLE ROAD CONSTRUCTION (PRIVATE)
- IMPERMEABLE/STANDARD ROAD CONSTRUCTION (DCWW SERVICE CORRIDORS)
- IMPERMEABLE/STANDARD ROAD CONSTRUCTION

All private drives to be impermeable, standard construction





Mark	Date	Details	By
E	28.11.23	Underdrain Inspection Chambers Indicated	CP
D	09.10.23	Updated following comments from SAB@Wrexham.	CP
C	21.08.23	Road construction changed to be impermeably lined	CP
B	15.02.23	Updated for SAB submission	CP
A	13.07.22	Preliminary issue for DCWW review and comment	CP

Revision history

Drawing originator:

BETTS ASSOCIATES
CONSULTING ENGINEERS

Client:

Castle Green

Project title:

Rosset Road,
Rossett

Drawing title:

DCWW Service Corridor
Construction Detail
F8.1 - F8.2

Scale: 1:20 for the original size of A3

Drn by: CO | Chkd by: RA | Passed by: RA | Date: July 2022

Drawing status:

For Approval

Job No:	Drawing No: Project	Origin.	Volume	Level	Type	Discip.	Number	Revision:
CAS02	xx	BET	xx	xx	xx	D	235	D

Do not scale this drawing

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