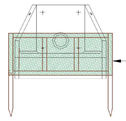
DO NOT SCALE FROM THIS DRAWING

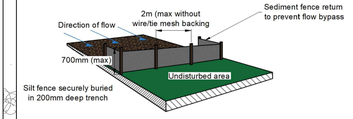
N

Silt Fence Check Dam

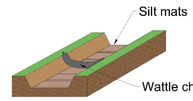


4x2" tanalised timber wooden frame to be double wrapped in silt fence material and staked to fit across the headwall apron

Silt Fencing



Silt Wattle Check Dam



Rock Filter Check Dam



Silt matting packed behind basket and weighted down with sand bags

Gabion basket tightly fitting between headwalls lined with silt fence and filled with gabion stone

CATCHMENT 23
TOTAL AREA: 0.33ha
IMPERMEABLE AREA: 0.16ha
STORAGE ON PLOT

Discharge Point No.15
Discharge Rate: 6.3 L/s
INCREASED TO 18.2 L/s
WHEN COMMERCIAL AREA
COMES ONLINE

PHASE 3c

M3

Discharge Point No.16a
Discharge Rate: 5.12 L/s

CATCHMENT 21
TOTAL AREA: 1.03ha
IMPERMEABLE AREA: 0.65ha
POND P

BASIN P
IL: 57.20m
VOLUME: 532m3

M4

Discharge Point No.14
Discharge Rate: 7.7 L/s

BASIN T
IL: 64.30m
VOLUME: 728m3

M5

BASIN S
IL: 64.50m
VOLUME: 682m3

M6

2a

CATCHMENT 24
TOTAL AREA: 1.26ha
IMPERMEABLE AREA: 0.83ha
POND S

Discharge Point No.13a
Discharge Rate: 9.5 L/s

CATCHMENT 25
TOTAL AREA: 0.17ha
IMPERMEABLE AREA: 0.10ha
POND T

PHASE 2b

CATCHMENT 13
PONDS M AND K

3b

MIXED USE BLOCK
Parking

2b

M2

Discharge Point No.13
Discharge Rate: 47.30 L/s

CHMENT 14
D M

STEPPED SWALE WITH BAFFLES TO PROVIDE 700m³ OF ADDITIONAL STORAGE

PHASE 3d

BASIN T
7.50m
OLUME: 5,750m3

M9

M7

BASIN Q
IL: 70.00m
VOLUME: 1130m3

CATCHMENT 20
TOTAL AREA: 1.92ha
IMPERMEABLE AREA: 1.31ha
POND Q

CATCHMENT 22
TOTAL AREA: 1.39ha
IMPERMEABLE AREA: 0.79ha
POND T

PHASE 2c

PHASE 2a

INFRA

STORAGE TO BE SPLIT WITHIN RETAIL PARCEL LAYOUT BUT RESTRICTED TO Q-BAR THROUGH ONSITE CONTROLS. HYDROBRAKE ON OUTFALL OF DESIGNATED POND TO BE REPLACED WITH NEW CONTROL DEVICE TO ALLOW FOR THE ADDITIONAL FLOWS.

CATCHMENT 17
TOTAL AREA: 1.77ha
IMPERMEABLE AREA: 0.83ha
POND N

BASIN M
IL: 47.50m
VOLUME: 2070m3

PHASE 2c

RETAIL PARCEL
TOTAL AREA: 1.75ha
IMPERMEABLE AREA: 1.4ha
Assmd 80% (TBC)
PARCEL DISCHARGE 11.3 L/s
ONPLOT STORAGE
REQUIRED=1050m³
(CELLULAR OR BASIN
SUBJECT TO DEVELOPMENT
LAYOUT)

M8

CATCHMENT 15
TOTAL AREA: 5.70ha
IMPERMEABLE AREA: 3.59ha
POND L

PHASE 1a

M1

BASIN N
IL: 47.70m
VOLUME: 682m3

Existing St Mellons Road

Discharge Point No.11
Discharge Rate: 35.9 L/s

Discharge Point No.12
Discharge Rate: 8.75 L/s

STEPPED SWALE WITH BAFFLES TO PROVIDE ADDITIONAL STORAGE

PIPED SECTION OF DRAINAGE TO DRAIN INTO PROPOSED SWALE

PROPOSED LEVELS IN DEVELOPMENT TO BE RAISED TO ALLOW DRAINAGE INTO CONVEYANCE SWALE

CATCHMENT 16
TOTAL AREA: 3.85ha
IMPERMEABLE AREA: 2.02ha
SWALE AND POND L

Cycle Way Link

Foul Connection - Phases 1, 3, FD (East)

PROPOSED PIPED SECTION OF DRAINAGE TO CONNECT SWALE WITHIN ACTIVE TRAVEL ROUTE TO WHOLESITE DRAINAGE INFRASTRUCTURE

PROPOSED SECTION 278 TO UTILISE RAIN GARDENS TO PROVIDE INTERCEPTION

Ty Draw Access Point

PROPOSED SWALE WITH UNDERDRAIN TO SERVE BOTH ACTIVE TRAVEL ROUTE AND

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	09.04.26	First Issue	MW	JR	JR

LEGEND

- Site boundary
- Silt capture channel
- Recommended line of silt fencing
- Buffer zones
- French drain (filter drain)
- Silt wattle check dam
- Recommended line of soil bund
- Silt fence check dam
- Rock filter check dam
- M1 Primary monitoring location
- M2 Secondary monitoring location
- Anticipated direction of surface water run-off based on topography
- Surface watercourse (constructed as part of development) (Arrow shows flow direction)
- Surface watercourse (pre-existing) (Arrow shows flow direction)
- Wheel wash
- Potential treatment location

Notes:
The schematic drawing is not meant to be an accurate engineering drawing but is used to present the general relative locations of features on, and surrounding, the site. Features annotated on this schematic are not drawn to scale but are centered over the approximate location. Such features should not be used for setting out, nor should it be considered a schedule and should be considered indicative only.
Details (such as height, width or depth) of mitigation features such as bunds, grips or ditches shall be designed by the temporary works designer, accepted by the principal designer and recorded on the temporary works register in accordance with BS5975.

RSK shall not be liable for the use of this drawing, or the information contained within, for any purpose other than that which it was provided.

Base plan provided by Client
Drawing Ref.: 211109-DS-SK001_DRAINAGE STRATEGY CATCHMENTS PLAN.pdf

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Dimensions	Scale	Size
m	NTS	A1

Client: Taylor Wimpey South Wales

Project Name: North East Cardiff - Phase 2

Description: Construction Surface Water Management Plan

File Name: 315844-BL-276-XX-D-G-27604-C01

Project ID	Drawing no.	Revision
316117	27604	C01