OS NORTH

ADDITIONAL LENGTH OF LAND DRAIN TRENCH IN FRONT OF WRAPPED MATERIAL 350 WIDE x 500 DEEP. GEOTEXTILE WRAPPED ALL ROUND

LAND DRAIN

MHS1 (1050Ø)
D400 COVER
CL=197.63
IL=196.48

RG
CL=197.53
IL=196.78

WALL FDN
TOF=191.37
BOF=190.87
(+0.5m S KEY)

RE(LD)
IL=191.44

100Ø RET WALL DRAIN

150Ø

LDC

RWP

RE IL=191.27

SVP

YG

SIC1
CL=191.82
IL=191.37

SIC2
CL=191.82
IL=191.22

SIC3
CL=191.82
IL=191.05

SIC4
CL=192.00
IL=190.50
TANK

SIC5
CL=191.90
IL=191.17

SFC1

F5.000
150mm 1:40

GL=189.95
IL=189.05

FIC1 FIC2

100Ø

ATT'N TANK, CL=192.00
SL=191.50 IL=190.50
CELLULAR ATT'N TANK
(6x6) 36m³ @ 1.0m DEEP
SDS GEOLIGHT 400

BACKDROP
CL=191.82
BDIL=190.679
BD=1.32m

F6

F5.001
150mm 1:13

BACKDROP
CL=189.84
BDIL=188.790
BD=1.25m

F6 TO BE BUILT ON EXISTING LABOUR EXCHANGE FOUL SEWER CONNECTION

EXISTING LABOUR EXCHANGE BUILDING FOUL SEWER CONNECTION

ROUTE OF OFF-SITE SURFACE WATER DRAINAGE. DYE TRACED THROUGH TO THE NANT MORLAIS

REINSTATE AND CLEAN OUT EXISTING GULLIES

FULLY CLEAN OUT EXISTING GULLY

2250 EX

475Ø EXISTING PUBLIC COMBINED SEWER

450Ø EXISTING PUBLIC COMBINED SEWER

EXISTING DCWW CWS
EX MH 0601 REF. SO05060601
CL=187.77
IL(600Ø)=185.48, IL(150Ø in)=185.93
EXISTING LABOUR EXCHANGE BUILDING CONNECTION TO BE RETAINED FOLLOWING SURVEY AND REMEDIAL WORKS IF REQUIRED

MH2 (1050Ø) CATCHPIT
CL=195.00
IL=193.85
SUMP=300mm
B125 COVER

150Ø VERTICAL DROP PIPE AT BACK OF WALL
IL(IN)=193.80
IL(OUT)=191.47
RODDING EYE AT GROUND LEVEL

SIC6 (1050Ø)
CL=192.00
IL=190.85
FLOW CONTROL CHAMBER
1200Ø
CL=192.00
IL=190.45
HYDROBRAKE 2.7l/s (OUT)
B125 COVER

MH (1200Ø)
CL=191.80
IL=189.80
B125 COVER

MANHOLE POSITION TO SUIT FUTURE POSITION OF SLOPE DRAINAGE MANHOLE, 150Ø CAPPED SPUR SHOWN

CONNECT TO EXISTING SW MH, CL=190.30 IL=188.55(TBC) IL(225 IN)=189.86

FINAL SURFACE WATER DISCHARGE RATE IS LIMITED TO 2.5l/s DURING THE WORST CASE DURATION (120min) Q100+30%CC STORM EVENT, WHICH IS LESS THAN THE QBAR URBAN GREENFIELD RUNOFF RATE OF 2.8l/s OF THE PREDEVELOPMENT SITE.

EX FW MH 0601
SO05061606

EX FW MH 0601
SO05061602

7500

OFF-SITE EXISTING SURFACE WATER ROUTE

Rev	Date	Description	By	Ckd
J	27/04/2018	Attenuation tank size updated	RCB	RCB
H	06/03/2018	Contractor's Comments Incorporated	JSL	RCB
G	14/02/2018	Design amended to suit standalone apartment site plan	JSL	RCB
F	09/02/2017	Existing land drain on slope treatment confirmed. 1:1.5 slope stabilisation confirmed. Manholes F5 moved. Drainage membrane to existing stone wall shown. Drainage layer behind retaining wall 1 added. F4 moved slightly, tank 1-8 clarified levels. Alternative chamber sizes shown for F1 - F4 and S1 to S4. Type 'S' granular bedding required for F1 to F6 and S1 to S4. LD3, SFC1 Inlet level lowered. Att'n Tank depth and Inlet level lowered	SJ	RCB
E	26/07/2016	Land drainage pipe size updated, yard gully positions updated, issued to MTCBC	RS	RCB
D	07/07/2016	Issued for construction	RS	RCB
C	21/06/2016	Land drainage diversion proposals updated , highway attenuation layout updated, all SVP/RWP/Aco positions updated. All rear of house surface water and retaining wall drainage clarified and coordinated with foundations. Yard gully positions updated to suit layout	RCB	RCB
B	21/03/2016	Minor drainage items added to land drains	SJ	RCB
A	08/03/2016	First Issue	SJ	RCB

KEY:

- S104 Adoptable Foul Sewer / Lateral.
- External Backdrop (BD)
- S104 Adoptable Foul Drainage Inspection Chamber
- Surface Water Manhole
- YG Yard Gully
- RG Road Gully
- LDC Linear Drainage Channel (LDC)
- RWP Rain Water Pipe (RWP)
- Land Drain
- Existing Surface Water Manhole
- (RWD)Retaining Wall / (LD) Earthworks Land Drain
- RE10 Rodding Eye
- Existing DCWW Combined Sewer
- Cellular Attenuation Tank. SL=Soffit Level.
- SVP Soil and Vent Pipe (internal foul pop-up)
- RE Rodding Eye
- SIC - Surface Water Inspection Chamber 450mm diameter, 450mm cover, Grade B125 cover

All Setion 104 Adoptable Foul Water Drainage must be in accordance with Sewers for Adoption 7th Edition. (Material and Installation Requirements).

A final CCTV survey of all drainage must be carried out for approval purposes

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Notes:
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Project:
FORMER LABOUR EXCHANGE, PENYDARREN ROAD, MERTHYR TYDFIL

Client:
HALE CONSTRUCTION FOR WALES AND WEST HOUSING ASSOCIATION

Drawing Title:
PROPOSED DRAINAGE (APARTMENTS)

Project Number: C161041

Drawn:	Checked:	Scale @ A1:	Drawn Date:	First Issue:
SJ	RCB	1:200	08/03/2016	08/03/2016

Drawing Status. APPROVAL

Drawing No. C002-02 Revision J