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Notes

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE MILLIMETRES U.N.O.
3. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
5. THIS DRAWING IS TO READ IN RELATION TO THE SUBJECT OF THE TITLE. OTHER INFORMATION IS CONSIDERED INDICATIVE ONLY.
6. ROOF DOWN POINTS SUBJECT TO CHANGE PENDING RECEIPT OF DETAILS FROM SPECIALIST ROOFING CONTRACTOR

KEY:

- PLANNING BOUNDARY
- SW — SURFACE WATER DRAIN
- ACO MULTIDRAIN BRICKSLOT CHANNEL
- 150mm PERFORATED PIPE
- SURFACE WATER MANHOLE
- SURFACE WATER PPIC
- HEADWALL
- SW — SURFACE WATER MANHOLE WITH HYDROBRAKE
- PROPOSED ATTENUATION TANK
- PROPOSED BLUE ROOF
- PROPOSED SWALE
- PROPOSED ATTENUATION POND
- PROPOSED PERMEABLE PAVING
- PROPOSED RAIN GARDENS
- DRAINAGE DOWN POINT
- OIL SEPARATOR
- CHANNEL DRAIN SUMP UNIT

Rev	Description	Date	By Chk	App
P06	STAGE 4 ISSUE	13.05.2024	PC PC	DS
P05	TENDER ISSUE	29.01.2024	PC PC	DS
P04	ISSUED FOR PLANNING	10.11.2023	PC AL	DS
P03	STAGE 3	27.10.2023	RR AL	DS
P02	ISSUED FOR PLANNING	13.10.2023	PC AL	DS
P01	STAGE 3 - FOR REVIEW AND COMMENT	29.09.2023	PC AL	DS

STATUS - S3

NHM_UNLOCKED

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SURFACE WATER DRAINAGE SHEET 2

Project No:	Scale (@A1):	Drawn:	Date:
1620012379	1:250	PC	MAY 24

Drawing No:	Suitability:	Rev:
RD001-RAM-XX-00-DR-C-0102	S3	P06

METRES @ 1:250 — 0 2 5 10 25

P06 UPDATED DRAINAGE SCHEME TO SUIT STAGE 4 DESIGN

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

KEY TO HEALTH AND SAFETY SYMBOLS

- INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
- INDICATES A RESIDUAL RISK FOR INFORMATION
- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- INDICATES A RESIDUAL RISK AS A WARNING

- ALL EXTERNAL UTILITIES AND DRAINAGE TAKEN FROM THIRD PARTY SURVEY INFORMATION AND IS TO BE CHECKED AND VERIFIED ON SITE PRIOR TO UNDERTAKING OF ANY WORKS.
- THE ROUTE AND POSITIONS OF ALL NEW DRAINS AND MANHOLES IS TO BE COORDINATED WITH EXISTING UTILITIES, TREES AND STREET FURNITURE ETC.

REFER TO DRAWING 1620012379-RAM-XX-00-DR-C-00101 FOR CONTINUATION

HEADWALL 06 IL 41.300
SW 150mm @ 1:17
IL: 42.000
EAST SWALE
AVERAGE DEPTH: 250mm
TRENCH DEPTH: 450mm
SIDE SLOPES: 1/3
LONG.SLOPE: 1/200
VOLUME: 200m³
MAX DISCHARGE RATE: 13 L/s
HEADWALL 07 IL 41.000
PPIC 25 CL 41.100 IL 40.648
BLUE ROOF
AREA: 900m²
DEPTH: MINIMUM 150mm
VOLUME: 135m³
DISCHARGE RATE: 2L/s TOTAL: 1 L/s to ATTENUATION TANK AND 1 L/s TO EAST SWALE.
INDICATIVE BLUE ROOF LOCATION. INSTALLATION TO BE MADE UP OF PAVERS ON PEDESTALS TO CREATE VOIDS FOR WATER. FINAL ARRANGEMENT SUBJECT TO BAUDER COORDINATION WITH MEP PLANT.
BLUE ROOF OVERFLOW OUTLET INVERT LEVELS TO BE CONFIRMED BY BAUDER / MEP.
ALL RAIN WATER PIPE CONNECTIONS TO BE 100mm DIAMETER AND ALL EXTERNAL SURFACE WATER PIPES TO BE 150mm DIAMETER UNLESS OTHERWISE NOTED.
SOUTH SWALE INLETS SERVING THE UPSTREAM CHANNEL DRAINS TO BE INSTALLED AS HIGH AS POSSIBLE, FINAL LEVEL SUBJECT TO FINAL PRODUCT SPECIFICATION.
HEADWALL 08 IL 41.000
SW 150mm @ 1:150
BASE LEVEL 40.640
NO DRAINAGE PROVISIONS PROPOSED FOR EXISTING LAND. AREA TO BE MONITORED DURING DEVELOPMENT PARTICULARLY DURING WINTER. POTENTIAL TO INCLUDE A FURTHER DEVELOPED DRAINAGE SOLUTION IN STAGE 5
EXTERNAL SPILL ZONE GULLY. GULLY TO UTILIZE SPILL KIT AND COVERED DURING DELIVERY AND MOVEMENT OF CHEMICALS WITHIN EXTERNAL AREA TO PREVENT SPILLS FROM ENTERING SURFACE WATER NETWORK.
HEADWALL 09 IL 41.000
INLET IL 40.442
PPIC 26 CL 41.300 IL 40.650
SOUTH SWALE
AVERAGE DEPTH: 600mm
SIDE SLOPES: 1/3
LONG.SLOPE: 1/300
VOLUME: 105m³
MAX DISCHARGE RATE: 5.5 L/s
PPIC 28 CL 41.200 IL 40.490
HEADWALL 10 IL 40.500
ATTENUATION TANK
CL: 41.300
IL: 40.400
AREA: 760m²
DEPTH: 400mm
VOLUME: 290m³
MAX DISCHARGE RATE: 6.5 L/s
IL: 42.000
SW 100mm @ 1:10
PPIC 27 CL 41.300 IL 40.650
IL: 42.000
IL: 41.940
SW 100mm @ 1:10
PPIC 31 CL 41.300 IL 40.650
INLET IL: 40.650
TANK OUTLET IL: 40.400
SOUTH SWALE INLETS SERVING THE UPSTREAM CHANNEL DRAINS TO BE INSTALLED AS HIGH AS POSSIBLE, FINAL LEVEL SUBJECT TO FINAL PRODUCT SPECIFICATION.
HEADWALL 11 IL 41.000
BASE LEVEL 40.620
100mm VENT PIPE FROM OIL SEPARATOR. TERMINATION POINT TO ATMOSPHERE SUBJECT TO FINAL CONFIRMATION
IL: 42.000
RAIN GARDEN 15 MAX PLANTING DEPTH: 1150mm
PPIC 22 CL 42.500 IL 41.132
RAIN GARDEN 16 MAX PLANTING DEPTH: 290mm
PPIC 23 CL 42.400 IL 40.871
SW 150mm @ 1:21
PPIC 24 CL 42.220 IL 40.386
SW 150mm @ 1:1245
SWMH04 CL 41.800 IL 40.315
SW 150mm @ 1:186
SW 150mm @ 1:219
SW 150mm @ 1:34
HYDROBRAKE 02 DESIGN FLOW: 8.2L/s UNIT REF: SHE-0140-8200-0485-8200
PPIC 19 CL 42.475 IL 41.025
PPIC 14 CL 42.500 IL 40.673
RAIN GARDEN 04 MAX PLANTING DEPTH: 1225mm
PPIC 20 CL 42.659 IL 40.761
SW 150mm @ 1:199
SWOUTFALL02 CL 41.300 IL 40.223
IL: 41.07m