



KEY: PRIVATE SURFACE WATER DRAINAGE:

- ACCESS CHAMBER (AC) WITH D400 COVER, 450#
REFER TO CONSTRUCTION DETAILS PD.C.004 & 005
- RAIN WATER PIPE WITH TRAPPED GULLY OUTLET,
REFER TO CONSTRUCTION DETAIL PD.S.001
- LINEAR DRAIN,
REFER TO CONSTRUCTION DETAIL PD.S.002
- SURFACE WATER DRAIN WITH TYPE 'Z' BEDDING,
REFER TO CONSTRUCTION DETAIL PD.P.001 & 002
- PIPE DIAMETER / GRADIENT / DIRECTION OF FLOW
- 150# / 1:100 / <
- PIPE DIAMETER / GRADIENT / DIRECTION OF FLOW
- PREFABRICATED ORIFICE PLATE CHAMBER WITH D400 COVER,
REFER TO CONSTRUCTION DETAIL PD.C.011

KEY: PRIVATE FOUL WATER DRAINAGE:

- FOUL STUB STACK,
REFER TO CONSTRUCTION DETAIL PD.F.002
- FOUL MINI ACCESS CHAMBER (AC) WITH D400 COVER, 315#
REFER TO CONSTRUCTION DETAILS PD.C.001 & 002
- FOUL WATER DRAIN WITH TYPE 'Z' BEDDING,
REFER TO CONSTRUCTION DETAIL PD.P.001 & 002
- COMBINED INSPECTION CHAMBER (IC) WITH D400 COVER, 450#
REFER TO CONSTRUCTION DETAILS PD.C.004 & 005
- PIPE DIAMETER / GRADIENT / DIRECTION OF FLOW
- 150# / 1:100 / <
- PIPE DIAMETER / GRADIENT / DIRECTION OF FLOW
- EXISTING COMBINED DRAIN,

EXISTING PRIVATE COMBINED DRAIN WITH ASSUMED CONNECTION TO
WESSEX WATER COMBINED SEWER NETWORK. INDIRECT CONNECTION
SUBJECT TO WESSEX WATER APPROVAL. CCTV SURVEY TO BE
COMPLETED TO CONFIRM IF REMEDIATION WORKS IS REQUIRED

ORIFICE FLOW CONTROL CHAMBER, ORIFLO OFCB500B WITH
INTEGRATED BAFFLE TO PROTECT FLOW CONTROL FROM BLOCKAGE
DESIGN HEAD 0.5m
DESIGN FLOW 2.0l/s
ORIFICE DIAM 37mm
1 IN 2 YEAR MODELED FLOW RATE - 0.8l/s
1 IN 30 YEAR MODELED FLOW RATE - 1.3l/s
1 IN 100 YEAR MODELED FLOW RATE WITH AN
ALLOWANCE FOR 45% CLIMATE CHANGE - 2.0l/s

ATTENUATION PROVIDED WITHIN 225Ø OVERSIZED
SEWER AND INSPECTION CHAMBERS

EXISTING DRAINAGE WITHIN FOOTPRINT OF
FORMER TOILET BLOCK REMOVED WITH
DOWNSTREAM PIPE TEMPORARILY CAPPED

NOTES: GENERAL

- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS STATED OTHERWISE.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT
SCHEME DRAWINGS AND SPECIFICATIONS.

NOTES: CDM REGULATIONS

- THE PRINCIPAL CONTRACTOR SHALL ENSURE THAT THEIR METHOD OF
WORKING, INCLUDING THOSE OF ANY SUB-CONTRACTOR EMPLOYED BY
THE PRINCIPAL CONTRACTOR, COMPLIES WITH THEIR DUTIES AS SET OUT
IN THE CONSTRUCTION (DESIGN & MANAGEMENT) REGULATIONS 2015

NOTES: HIGHWAY AUTHORITY

- ALL ADAPTABLE HIGHWAY WORKS SHALL COMPLY WITH THE
REQUIREMENTS AS SET OUT WITHIN THE SPECIFICATION FOR HIGHWAY
WORKS AND AS EXTENDED OR AMENDED BY THE SPECIFIC
REQUIREMENTS OF DORSET COUNTY COUNCIL HIGHWAY AUTHORITY
(REFERRED TO AS THE OVERSEEING ORGANISATION).
- ALL WORKS WITHIN OR ADJACENT TO THE LIVE HIGHWAY SHALL REQUIRE
THE USE OF TRAFFIC MANAGEMENT IN COMPLIANCE WITH THE DfT
PUBLICATION 'TRAFFIC SIGNS MANUAL CHAPTER 8 'TRAFFIC SAFETY
MEASURES AND SIGNS FOR ROAD WORKS AND TEMPORARY SITUATIONS'

NOTES: UTILITIES

- ALL UTILITY LOCATIONS SHOWN ON THE SCHEME DRAWINGS SHALL BE
CONSIDERED INDICATIVE AND EXACT POSITIONS SHALL BE DETERMINED
ON SITE BY SUITABLE MEANS.
- PRIOR TO ANY EXCAVATION, DEMOLITION, OR GENERAL SITE CLEARANCE
THE WORK AREA SHALL BE CHECKED FOR THE PRESENCE OF ANY
UNDERGROUND PIPES, CABLES, DUCTS, DRAINS OR SEWERS. THE
POSITION OF ANY IDENTIFIED SERVICES / DRAINAGE SHALL BE CLEARLY
MARKED TO ENSURE THAT ALL OPERATIVES WORKING WITHIN THE
VICINITY ARE AWARE OF THE HAZARD.
- WHERE WORKS ARE ADJACENT TO OR CROSSING EXISTING / NEW
SERVICES OR DRAINAGE THE CONTRACTOR SHALL ADHERE TO THE
GUIDANCE PROVIDED WITHIN NJUG AND HSE PUBLICATIONS AND THE
SPECIFIC STATUTORY UNDERTAKERS REQUIREMENTS.

NOTES: FOUL AND SURFACE WATER DRAINS

- MINIMUM DEPTH OF COVER TO THE CROWN OF GRAVITY PIPES WITHOUT
PROTECTION SHALL BE 0.35m BENEATH GARDENS / FOOTPATHS, 0.50m
BENEATH DRIVEWAYS / PARKING AREAS, 0.9m WHERE LIKELY TO BE
TRAFFICKED BY VEHICLES IN EXCESS OF 7.5 TONNES.
- UNLESS SPECIFIED OTHERWISE FOUL DRAINS SHALL BE 100mm
DIAMETER, WHERE SERVING TEN PROPERTIES OR LESS, LAID AT 1:40
WHERE NO WC IS CONNECTED AND 1:80 WHERE THERE IS AT LEAST
ONE WC CONNECTED. WHERE 10 OR MORE PROPERTIES ARE SERVED
BY A GRAVITY SEWER THE PIPES SHALL BE 150mm DIAMETER AND LAID
NO FLATTER THAN 1:150. WHERE TOPOGRAPHY PERMITS RUNS SHALL
BE LAID STEEPER.
- UNLESS SPECIFIED OTHERWISE SURFACE WATER LATERAL DRAINS SHALL
BE 100mm DIAMETER AND SURFACE WATER SEWERS SHALL BE 150mm
DIAMETER. TO ACHIEVE A SELF CLEANSING VELOCITY A 150mm SEWER
SHALL BE LAID NO FLATTER THAN 1:150 WHILST A 100mm DRAIN
SHALL BE LAID NO FLATTER THAN 1:100. WHERE TOPOGRAPHY PERMITS
RUNS SHALL BE LAID STEEPER.
- SEWERS SHALL BE LAID IN STRAIGHT LINES (BOTH HORIZONTAL AND
VERTICAL ALIGNMENTS) EXCEPT THAT BENDS UP TO 45° MAY BE LAID
IMMEDIATELY OUTSIDE INSPECTION CHAMBERS.
- SEWERS OR DRAINS MAY PASS THROUGH AN OPENING IN A PROPERTY
BOUNDARY WALL PROVIDED THAT THERE IS A LUNEL OPENING TO GIVE
A MINIMUM 50 MM VOID AROUND THE PIPE.
- EXCAVATIONS SHALL BE UNDERTAKEN IN SUCH A MANNER AS TO
PREVENT DAMAGE OR DETERIORATION TO THE FORMATION. SIDES OF
EXCAVATIONS SHALL BE ADEQUATELY SUPPORTED AT ALL TIMES AND,
EXCEPT WHERE PERMITTED, SHALL NOT BE BATTERED. SOFT SPOTS
SHALL BE REMOVED FROM THE BOTTOM OF TRENCHES AND RESULTANT
VOIDS BACKFILLED WITH MATERIAL TO BE INCORPORATED WITHIN THE
PERMANENT WORKS.
- VITRIFIED CLAY PIPES AND FITTINGS FOR SEWERS SHALL HAVE FLEXIBLE
MECHANICAL JOINTS. PIPES SHALL COMPLY WITH THE RELEVANT
REQUIREMENTS OF BS EN 295-1 AND BS 65 (SURFACE WATER PIPES
ONLY).
- THERMOPLASTIC PIPES, JOINTS AND FITTINGS FOR GRAVITY SEWERS
SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 1401-1,
BS EN 1852 AND BS EN 12666-1.
- THERMOPLASTIC STRUCTURED WALL SEWER PIPE SHALL COMPLY WITH
THE RELEVANT PROVISIONS OF BS EN 13476-1 AND WIS 4-35-01
AND BS EN 13476-2 OR BS EN 13476-3. PIPES SHALL BE BS
KITEMARKED OR HAVE EQUIVALENT THIRD PARTY CERTIFICATION. PIPES
LESS THAN OR EQUAL TO 500mm DIAMETER SHALL HAVE A NOMINAL
SHORT TERM RING STIFFNESS NOT LESS THAN 8 kN PE m² (SN8).
- PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1
AND BS EN 13598-2.

REVISIONS			
Rev	Description	Drm	Chk Date
REVISIONS			
Preliminary Issue	23.10.25	Submitted for S104	
Planning Issue		Issued for Tender	
Submitted for S38		Issued for Construction	
Submitted for S278		As Built	
DRAWING STATUS			

RAVENSLADE



REPLACEMENT TOILET BLOCK,
LORFORTH ROAD

FOUL AND SURFACE WATER
DRAINAGE LAYOUT

DATE	DRWN	CHECKED
OCT '25	GB	JT
DRAWING No.	REV	SCALE
1386.400	A	1:100

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