

EXISTING 0.6m x 2.0m DEEP FOUL
SEWER,
SILT-STACK
PIL: 61.20
BSL: 62.00(TBC)
DEPTH: 2.00m

NEW FW CONNECTION INTO
THE EXISTING FW MANHOLE
LEVEL: 63.32
DEPTH: 2.00m

ASSUMED ROUTE OF THE EXISTING FW
RISING MAIN TO BE CONFIRMED ON
SITE BY THE CONTRACTOR PRIOR TO
CONSTRUCTION

THE EXISTING FW RISING MAIN TO
BE MAINTAINED PROTECTED BY THE
CONTRACTOR DURING CONSTRUCTION

RAIN GARDEN
2.7m DEEP RAIN GARDEN
FILLED WITH MAXIMUM 600mm TYPE
3X GRANULAR RESERVOIR MATERIAL
WRAPPED IN GEOTEXTILE MATERIAL
AND COVERED WITH 150mm DEEP
COMPOST/SAND AND NATIVE SOIL

100mm PERFORATED
DISTRIBUTION DRAIN

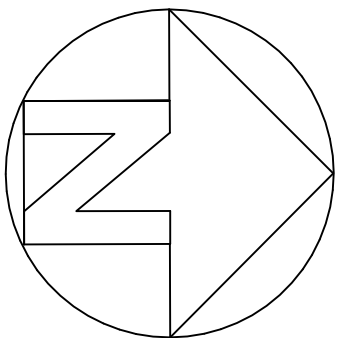
PRIVATE TOWN CONTROLLED
DISCHARGE TO DRAINAGE
DISCHARGE OVER 0.4 L/S

DUMPTY MANHOLE SS NOT TO BE CONSTRUCTED.
THE EXISTING RAIN GARDEN SHALL BE
MAINTAINED AND PROTECTED BY THE
CONTRACTOR DURING CONSTRUCTION.
THE MANHOLE IS FITTED WITH DEPTH/FLOW
CONTROL IN THE DRAINAGE SIMULATION TO ENSURE
NO WATER ESCAPES THE MANHOLE OUTLET WITH
THE EXISTING SS NOT TO BE CONSTRUCTED.
THE VOLUME OF THE RAIN GARDEN.

ATTENUATION STORAGE TANK
Eas Versa Void Cellular Structure Modules
(600x500x200mm units)
CL 64.10 (TBC)
BOT: 63.25 (TBC)
TONK SIZE 16.0x2.0x0.40m dp
Storage = 12.20 cum

Note: Greater strength units may be required
depending on the design and loading during the
construction period – Contractor to liaise with
manufacturer.

EXISTING FW RISING MAIN TO PRIVATE
DRAINAGE SYSTEM OF THE HW SITE
PROPERTY TO BE MAINTAINED



KEY

- Soil Vent Pipe with Rodding Access
- RWP Rain Water Pipe with Rodding Access
- SS Stub Stack with Air Admission valve
- RE Rodding Eye
- CD Channel Drain
- FW -Existing Private Surface Water Sewer
- SW -Proposed Private Surface Water Sewer
- SW -Proposed Private Perforate Drain
- SW -Existing Public Surface Water Sewer
- FW -Existing Private Foul Water Sewer
- FW -Proposed Private Foul Water Sewer
- FW -Existing Public Foul Water Sewer
- FW -Existing Private Foul Water Pumping Main
- F6 Foul Manhole
- S6 Surface Water Manhole
- EX.FLIC Existing Private Foul Water Manhole
- Existing Private Foul Water Pumping Station
- SW Rain Garden

FOUL WATER MANHOLE SCHEDULE					
M/H REF	APPROX. COVER LEVEL	INVERT LEVEL	DEPTH (M)	M/H TYPE	COVER TYPE
F1	65.46	64.86	0.60	3	B125
F2	64.85	64.20	0.65	3	B125
F3	64.43	63.83	0.60	3	B125
SURFACE WATER MANHOLE SCHEDULE					
M/H REF	APPROX. COVER LEVEL	INVERT LEVEL	DEPTH (M)	M/H TYPE	COVER TYPE
RE1	66.00	65.40	0.60	RODDING EYE	-
S1	64.10	63.494	0.606	3	B125
RE2	66.00	65.40	0.60	RODDING EYE	-
S2	65.65	65.00	0.65	3	B125
S3	64.10	63.444	0.656	3A SILT TRAP	B125
S4	64.00	63.25	0.75	3B 600x FLOW CONTROL MH	B125

ALL DIMENSIONS AND LEVELS
TO BE CHECKED AND
CONFIRMED BY THE ARCHITECT
PRIOR TO CONSTRUCTION.

F	ADDED DUMPTY MH IN RAIN GARDEN	20/11/25	JS
E	ATTN. TANK /RAIN GARDEN SIZE AND DRAINAGE LEVELS	10/11/25	JS
D	MENDED RAIN GARDEN DEPTH	29/10/25	JS
C	MENDED SW DRAINAGE LAYOUT	04/09/25	JS
B	MENDED SW DRAINAGE LAYOUT	07/08/25	JS
A	MENDED DRAINAGE LAYOUT	05/06/25	JS
O	ORIGINAL ISSUE	30/04/25	JS
REV	DESCRIPTION	DATE	BY

DIXON HURST

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DRAINAGE LAYOUT

DRAWING NO.	REV	CHECKED
63770 / 10	F	
SCALE 1:125@ A1	DATE JULY 25	DRAWN
AutoCAD Ref: 63770-10.dwg	JS	APPROVED

In addition to these notes, reference shall be made to the specification of works and the relevant Architect's and Specialist's drawings and specifications. The Contractor is responsible for verifying all site dimensions before commencing works.

All dimensions are in millimetres unless noted otherwise.

This drawing has been produced electronically and may have been photo reduced or enlarged when printed or copied. Dimensions on this drawing shall be taken from the electronic file and not the printed drawing. Any errors or omissions are to be reported to the engineer immediately.

Levels are in metres unless noted otherwise to Ordnance Survey datum.

The Contractor is responsible for the stability of the building whilst the works are in progress.

- THIS DRAWING IS BASED ON DRAWING NO. B04.3.24 BY BELMONT DESIGNS ARCHITECTURE PRACTICE LIMITED.
- THE FOLLOWING DRAWING:
63770/11 DRAINAGE DETAILS SHEET 1 OF 2
63770/12 DRAINAGE DETAILS SHEET 2 OF 2

- CONTRACTOR IS TO TAKE NECESSARY PRECAUTIONS TO ENSURE THAT TRENCHES ARE KEPT CLEAR OF GROUND WATER DURING CONSTRUCTION.
- ALL DRAINAGE WORKS TO BE CARRIED OUT IN ACCORDANCE WITH 'SEWERS FOR ADOPTION' 7TH EDITION.
- ALL ADOPTED PIPEWORK TO BE 100% VITRIFIED CLAY UNLESS NOTED OTHERWISE.
- ALL PIPEWORK THROUGH WALLS TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS.
- ALL PIPEWORK UNDER ROADS WITH LESS THAN 900MM COVER TO HAVE 150MM CONCRETE SURROUND.
- MINIMUM GRADIENT TO DRAINS TO BE 1:40 FOR 110Ø OR 110Ø FW AND 1:100 FOR 110Ø SW.
- ALL ADOPTED PIPEWORK, DRAINAGE LATERALS OR PIPE CONNECTION TO THE PUBLIC SHALL BE VITRIFIED CLAY (VC) PIPE MATERIAL TO SOUTHERN WATER APPROVAL.
- POSITIONS OF MANHOLES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY. ACTUAL LOCATIONS TO BE FINALIZED ON SITE.
- PROVIDE CONCRETE LINTELS OVER OPENINGS WHERE PIPES PASS THROUGH WALLS. ALLOW FOR 150MM CLEARANCE ALL ROUND PIPE.