north

PARK ROAD

PARK CLOSE

Build Base

Build Base

Cowl Vent to allow surface water captured within compensation basins during exceedance event to rejoin network

CUT EMBANKMENTS TO BE TAKEN DOWN TO NOT LOAD ONTO TANK

ATTENUATION TANK
ITL Aquacell 4 Bay Tank Depth = 1.000m Tank Length = 30.000m Tank Width = 17.000m Invert Level = 71.450 Soil Cover = 0.450 Top Level = 72.450
Tanked with Welded Joints and Welded Inlet & Outlet Pipework
Tanked with Welded Joints and Welded Inlet & Outlet Pipework

NOTES

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL PRIVATE DRAINAGE SHALL BE IN ACCORDANCE WITH BS8301 AND RELEVANT SECTIONS OF APPROVED DOCUMENT H OF THE BUILDING REGULATIONS.
3. ALL SEWERS TO BE CONSTRUCTED IN ACCORDANCE WITH LATEST EDITION OF SEWERAGE SECTOR GUIDANCE - DESIGN & CONSTRUCTION CODE GUIDANCE.
4. THE CONTRACTOR IS TO CHECK THE LEVEL OF EXISTING SEWERS BEING USED AS OUTFALLS OR CROSSING PROPOSED DRAINAGE RUNS PRIOR TO LAYING ANY PIPES. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER.
5. ALL CONNECTIONS FOR DRAINAGE SHALL BE 100mm UNLESS NOTED OTHERWISE. ALL CONNECTIONS WHEN LAID SHALL BE PLUGGED, PROTECTED AS NECESSARY AND MARKED WITH A STAKE FOR FUTURE USE.
6. FOR PRIVATE DRAINS WHERE COVER TO PIPES IS LESS THAN 900mm IN VEHICULAR AREAS OR 600mm IN OTHER AREAS PROTECTION IN THE FORM OF TYPE 2 BEDDING SHALL BE USED.
7. WHERE PIPES PASS THROUGH SCREEN WALLS, FOOTINGS OR RETAINING WALLS UNTILS ARE TO BE PROVIDED OVER, UNDER BUILDINGS PIPES SHALL BE SURROUNDED WITH 150mm THICKNESS OF GRANULAR MATERIAL. WHERE DRAINS PASS WITHIN THE CONFINES OF BUILDINGS THE WALL FOUNDATION SHALL BE TAKEN DOWN BELOW THE INVERT OF THE PIPE.
8. ALL GULLIES AND RAINWATER DOWNPIPES CONNECTED DIRECTLY TO DRAINS ARE TO BE RODDABLE.
9. ALL DRAINAGE SHALL BE LAID UPSTREAM AND EACH RUN BETWEEN MANHOLES SHALL BE LAID COMPLETE PRIOR TO BACKFILLING. WHERE THIS IS NOT PRACTICAL TRIAL HOLES OR OTHER MEANS OF IDENTIFYING THE LINE AND LEVEL OF SERVICES SHALL BE CARRIED OUT PRIOR TO WORKS COMMENCING.
10. INTERNAL DRAINAGE TO BE LAID AT A MINIMUM GRADIENT OF 1 IN 40 IN ACCORDANCE WITH BS8301.
11. ALL GULLIES TO BE TRAPPED.
12. THE FIRST MANHOLE UPSTREAM FROM THE CONNECTION POINT TO THE (EXISTING) PUBLIC SEWER SHOULD, WHEN CONSTRUCTED BE FITTED WITH A TEMPORARY SCREEN IN ORDER TO PREVENT DEBRIS ENTERING THE PUBLIC SEWER. THE SCREEN SHOULD NOT BE REMOVED UNTIL IMMEDIATELY PRIOR TO THE OCCUPATION OF THE PREMISES TO BE SERVED BY THE SEWER.
13. THE FLOW CONTROL WILL BE HYDRO-BRAKE OR SIMILAR APPROVED.
14. ALL HIGHWAY EXCEEDANCE FLOWS ARE TO ENTER THE NEXT DOWNSTREAM GULLIES & RE-ENTER THE SW DRAINAGE NETWORK. THE HYDROBRAKE MANHOLE HAS A HIGH LEVEL OVERFLOW RELIEF TO THE BASIN TO STORE EXCEEDANCE FLOWS.

DRAINAGE LEGEND

- SURFACE WATER SEWER
- FOUL WATER SEWER
- PRIVATE SURFACE WATER SEWER
- PRIVATE FOUL WATER SEWER
- ATTENUATION TANK

TABLE 1 – DISCHARGE RATES

RF EVENT	GREENFIELD l/s	MAX DESIGN RATE l/s	% IMPROVEMENT
1yr	3	2.4	20
Qbar	3.9	-	-
30 yr	7.4	3.9	48
100yr	9.5	-	-
100yr+40% CC	9.5	3.9	59

REV.	DESCRIPTION	BY.	DATE
02	PRIVATE NETWORK UPDATED	TA	23-11-23
01	ATTENUATION TANK INCLUDED, BASIN REMOVED	WW	12-06-23
00	First Issue	CB	15-05-23

STATUS: PLANNING

CLIENT: HANNICK HOMES LTD

SITE: LAND SOUTH OF PARK ROAD, MALMESBURY

TITLE: DRAINAGE LAYOUT

calibro

SCALE AT A0	DATE	DRAWN	CHECKED
1:200	09-05-23	CB	WW
PROJECT NO.	DRAWING NO.	SHEET NO.	REVISION
23-329-100	123	01	02

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0 4m 8m 20m
Metres 1:200