



SEE DRAWING 108.5009.504 FOR CONTINUATION

ROAD CATCHMENT 3
PROPOSED INFILTRATION TRENCH
19.8m² x 1.1m DEEP
(SERVING CATCHMENT AREA = 0.018HA)
I.L. INLET 16.270
I.L. BASE 15.320
G.L. 17.150
FILTER GULLIES AND VORTEX FILTER
CATCHPIT TO BE INSTALLED UPSTREAM OF
INFILTRATION TRENCH

ROAD CATCHMENT 4
PROPOSED INFILTRATION TRENCH
33Sq.m PLAN AREA 1.1m DEEP
(SERVING CATCHMENT AREA = 0.028HA)
I.L. INLET 15.962
I.L. BASE 15.012
G.L. 17.000
FILTER GULLIES AND VORTEX FILTER CATCHPIT TO BE
INSTALLED UPSTREAM OF INFILTRATION TRENCH

PLOTS 18, 19 & 20
PROPOSED INFILTRATION CRATE MEASURED BY
0.8m DEEP x 5m x 4m (SERVING CATCHMENT
AREA
[INCL. 10% URBAN CREEP] = 0.018HA)
I.L. INLET 16.050
I.L. BASE 15.350
G.L. 16.800

PLOTS 16 & 17
PROPOSED INFILTRATION CRATE
PLAN AREA 22 Sq.m 0.8m DEEP
(SERVING CATCHMENT AREA [INCL. 10%
URBAN CREEP] = 0.021HA)
I.L. INLET 15.550
I.L. BASE 14.850
G.L. 16.700

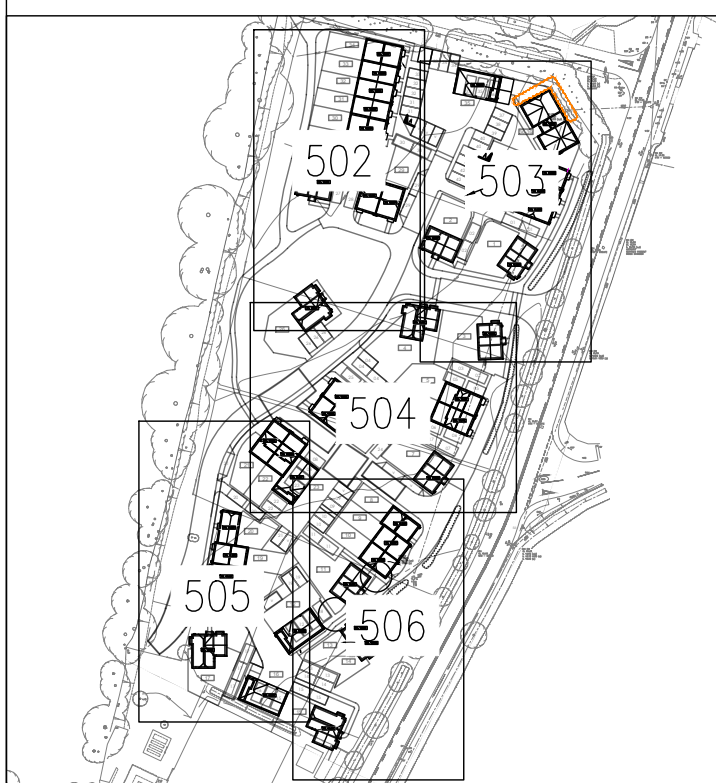
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LEGEND

- EXISTING FOUL SEWER TO BE ABANDONED
- EXISTING FOUL SEWER TO REMAIN
- PRIVATE FOUL WATER SEWER, Ø AS NOTED
- FOUL WATER SEWER, Ø AS NOTED
- PRIVATE STORM WATER SEWER, Ø AS NOTED
- ADOPTABLE FOUL WATER MANHOLE (CL/L AS SHOWN)
- PRIVATE FOUL WATER CHAMBER (IL AS SHOWN)
- PRIVATE SURFACE WATER INSPECTION CHAMBER (IL AS SHOWN)
- PRIVATE SURFACE WATER CATCHPIT (IL AS SHOWN)
- ROAD GULLY WITH 150mm Ø OUTLET PIPE
- VORTEX FILTER CATCHPIT, RIDGISTORM Separate Advanced Silt Trap or Similar. (PRODUCT CODE:PSMST160/15)
- RODDING EYE (IL SHOWN)
- RAINWATER PIPE.
- SOIL AND VENT PIPE
- GROUND SOCKET CONNECTED TO IC OR AC.
- SUB STACK WITH AAV
- FOUL WATER PLOT CONNECTION PIPE 100 Ø U.N.O
- SURFACE WATER PLOT CONNECTION PIPE 100 Ø U.N.O
- INFILTRATION CRATES (SEE 108.5009.501 FOR FULL DETAILS)
- GRAVEL INFILTRATION TRENCH (SEE 108.5009.501 FOR FULL DETAILS)
- PROPOSED 6m SOUTHERN WATER MAINTENANCE EASEMENT
- PERMEABLE BLOCK PAVING
80 THK. AQUAFLOW CONCRETE BLOCKS (OR SIMILAR) ON,
50 THK. 2-6mm CLEAN CRUSHED STONE ON,
80 THK. DENSE BASE COURSE ASPHALT OVER CLEAN CRUSHED STONE ON,
150 THK. SUBBASE TYPE 3 (30% VOIDS) ON,
350 THK. PERMEABLE CAPPING LAYER TO CONSIST OF CRUSHED STONE 10-63mm (NO FINES)



KEY PLAN SCALE 1:2000

**FOR
APPROVAL**

Rev	Description	Date	By	Chkd
E	PERMEABLE PAVING SPECIFICATION AMENDED	28.10.21	RD	RW
D	UPDATED AS PER ADC COMMENTS	15.09.21	RD	RW
C	DRAWING STATUS UPDATED TO FOR CONSTRUCTION	31.08.21	RD	RW
B	REFINEMENTS MADE TO DRAINAGE SYSTEM	19.08.21	CLP	RW
A	REFINEMENTS MADE TO DRAINAGE SYSTEM	09.07.21	RD	RW

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Client



Project Name
**FONTWELL AVENUE
EASTERGATE**

DETAILED DRAINAGE STRATEGY
SHEET 5 OF 6

Project Phase

CONSTRUCTION

Checked By	Checked Date	Drawn By	Drawn Date
RW	07.05.21	RD	07.05.21

Client Drawing No.	Scale	(AT A1 SIZE)
-	1:100	

PBA Drawing No.	Revision
108.5009.505	E