

Existing open topped MH at local low point

Existing lateral discharging to ditch outfall adjacent to Lanes End Barn.

Flow control chamber S1 with allowable discharge of 0.7 l/s to Ex. MH1.

Package pumping stn. PS2 with sump and rising main to Formpave

MH S3 with non return float valve on outlet with overflow to PS2 as independent system to drain bunded patios during external flooding 1m wide patio with flood bund, top level 3.35, draining to S3.

Low edge of Formpave to be built with no kerb upstand. If the system surcharges the green field run off will overflow the Formpave along the low edge of the site to replicate the existing situation.

GENERAL NOTES:

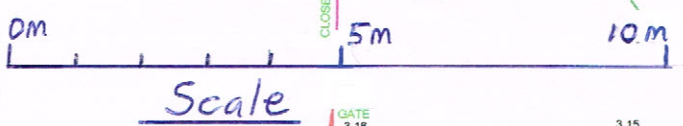
- 1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTS, SPECIALISTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT/ENGINEER IMMEDIATELY.
- 2. LEVELS ARE BASED ON DRAINAGE SURVEY BASEMENT CEILING DATUM 19.80.
- 3. ALL ADOPTED SEWERS AND MANHOLES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION.

PRIVATE DRAINAGE NOTES:

- 1. ALL DRAINAGE WORKS ARE TO BE IN CONSTRUCTED IN ACCORDANCE WITH BUILDING REGULATION DOCUMENT H1, 2002.
- 2. DRAINS ARE TO BE 100mm NOMINAL DIAMETER LAID AT A GRADIENT NOT FLATTER THAN 1/80 FOR FOUL AND SURFACE WATER, UNLESS SHOWN OTHERWISE.
- 3. FOUL DRAINS WITHOUT AT LEAST ONE WC CONNECTED ARE TO BE LAID NOT FLATTER THAN 1/40. FOR 100mm PIPE WHERE 10 OR MORE PROPERTIES ARE SERVED THE FOUL DRAIN SHOULD BE 150mm LAID NOT FLATTER THAN 1/150.
- 4. DRAINS ARE TO BE CONSTRUCTED USING UPVC PIPES TO BS EN 13598-1:2000, ALL WITH FLEXIBLE JOINTS, BEDDED AND BACKFILLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND BS EN 752 PARTS 1-4.
- 5. ACCESS TO DRAINS TO BE PROVIDED BY POLYPROPYLENE INSPECTION CHAMBERS TO BS EN 13598-1:2003 SURROUNDED WITH 150mm OF ST1 CONCRETE. MINIMUM DIMENSIONS TO CONFORM TO TABLE 8 OF BS EN 752 PARTS 1-4.
- 6. COVERS AND FRAMES FOR MANHOLES/INSPECTION CHAMBERS MUST COMPLY WITH BS EN 124, CLASS D400 FOR CARRIAGEWAY AND B125 FOR FOOTPATHS, VERGES AND GARDENS.
- 7. A VENTILATING DRAIN SHOULD BE PROVIDED AT, OR NEAR THE HEAD OF EACH MAIN DRAIN RUN.
- 8. GULLIES, RAINWATER PIPES AND SVP'S SHOULD BE PROVIDED WITH RODDABLE ACCESS.
- 9. ALL PIPES LAID AT COMMON SOFFITS UNLESS NOTED OTHERWISE.
- 10. LONG RADIUS BENDS TO BE USED AT THE BASE OF ALL SOIL STACKS.
- 11. ALL COVER LEVELS ARE APPROXIMATE ONLY.
- 12. MINIMUM DEPTH OF SVP'S AND SS'S TO BE 450mm BELOW THE LOWEST CONNECTION.
- 13. PRIVATE HARDSTANDING AREA GULLIES TO HAVE FRAMES TO BS EN 124 CLASS D400.
- 14. ALL UPVC CHAMBERS, GULLY POTS AND FITTINGS TO BE SURROUNDED IN 150mm MINIMUM ST1 CONCRETE. HEAVY DUTY COVERS AND FRAMES TO BE SUPPORTED ON A CONCRETE NIB WITHIN THE SURROUND.
- 15. THE CONTRACTOR IS TO BREAK OUT ANY EXISTING FOUL OR SURFACE WATER SEWERS ON SITE THAT ARE NOT LIVE. LIVE SEWERS TO BE CONFIRMED AND PROVIDED WITH TEMPORARY CONNECTION TO THE NEW SYSTEM.
- 16. ABOVE FLOOR DRAINAGE TO BE DESIGNED BY OTHERS

LEGEND

- + 3.20 Existing levels
- + 3.20 Proposed levels
- Ex. Foul sewer
- Ex. s.w. sewer
- Proposed Foul sewer
- Proposed s.w. sewer
- Proposed rising main
- Formpave distribution tank
- Overland Flow route
- Formpave or similar permeable paving 360mm deep For typical construction and silt trap MH's see Dwg D100



24m² Formpave or similar construction

Ex. buried brick chamber with possible weir outfall to MH 2 TWL 2.08 IL 1.73

56m² Formpave or similar construction Formpave to be protected with silt trap MH's.

Package Foul pumping stn. PS1 with 65mm PVC rising main to MH FI. 0.046 l/s 6DWF foul design Flow pumped to Ex. sewer spur subject to Southern Water consent.

P.T. PLANNERS LTD
North Barn Flansham
Drainage Strategy Plan
Dwg 11095-01A 20-08-20