

A1

- ## RESIDUAL HAZARDS

1. Buried services. Contractor to refer to record drawings and use CAT to locate existing services and undertake necessary excavations and investigation prior to excavating.
2. Working in live fabric. Contractor to ensure traffic management is designed, erected and maintained to protect the workforce and the public. Contractor to undertake necessary procedures and ensure suitable traffic management is in place prior to commencement.
3. Working in live sewers. Contractor to ensure operatives are familiar and competent with the dangers of working in live sewers.
4. Excavations close to existing structures. Contractor to prepare method statement to ensure stability of existing structure.
5. Working in vicinity of Waterbodies with variable surface water flows & debris. Contractor to provide method statement and ensure operatives have appropriate safeguarding equipment.

due	13/03/2020
due	03/03/2020
Amendments	Date



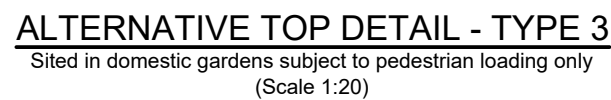
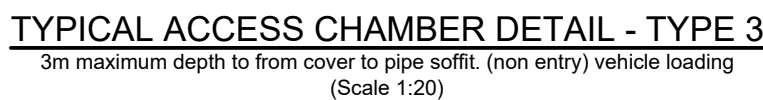
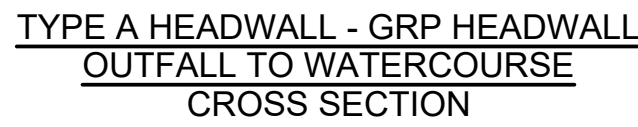
Drawing Status **FOR APPROVAL**

Client	Driftstone Developments Ltd
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Project	Sunny Corner, Walberton West Sussex BN18 0QS
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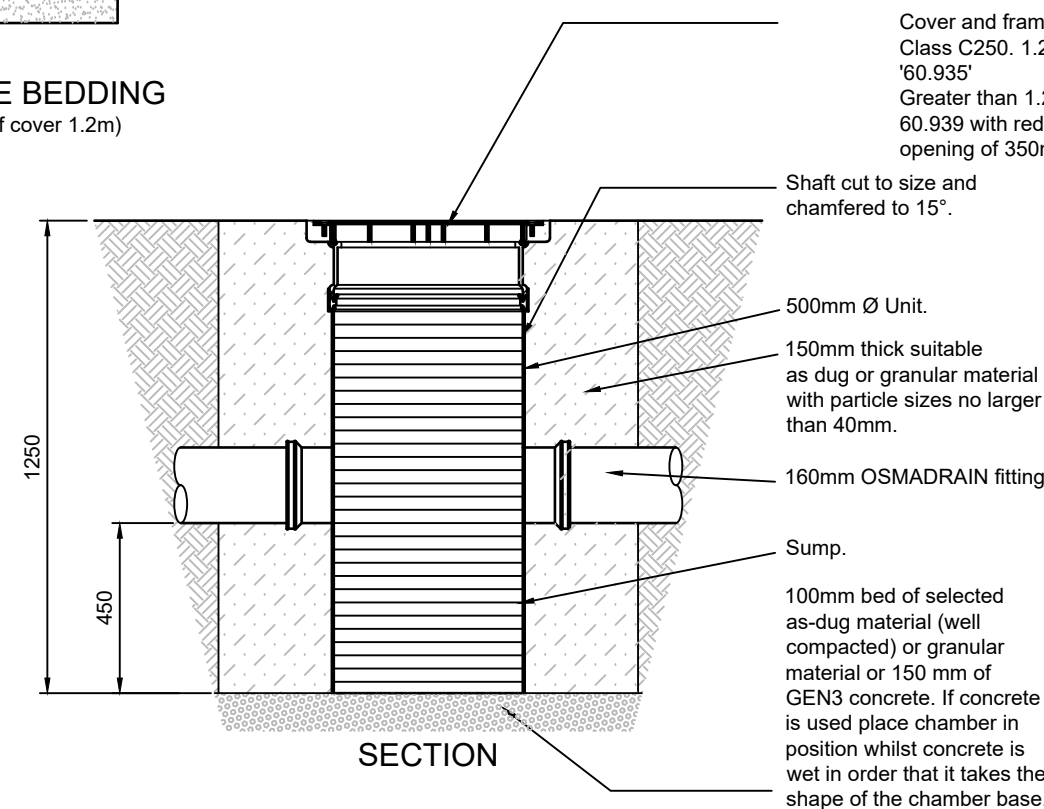
Drawing Title	Construction Details Sheet 3
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Scale As Shown	Date Mar '20	Drawn By DJL	Checked By MJA
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PIPE BEDDING DETAILS (UNDER HIGHWAYS)

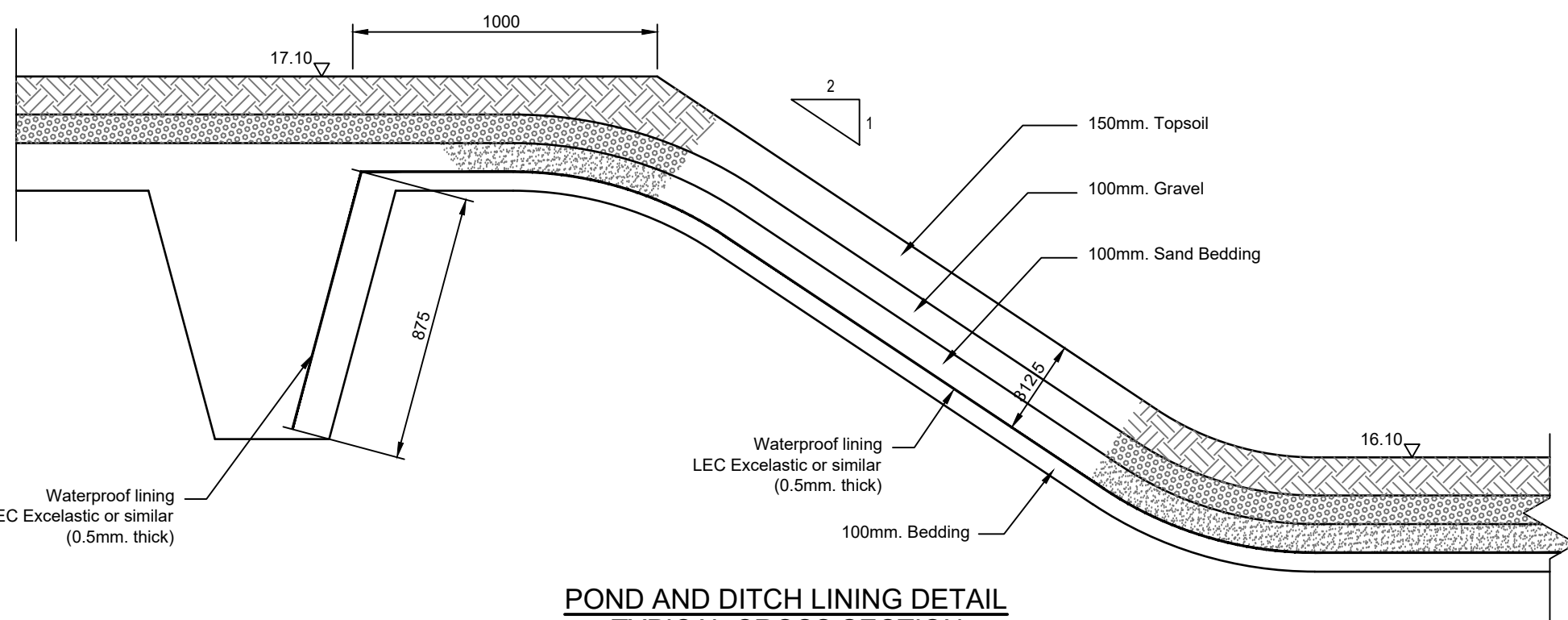
(Scale 1:20)



POLYPROPYLENE SHALLOW SILT TRAP
DETAIL (500Ø)
(Scale 1:20)

Sale 1.20)

Depth to invert 1.25m (standard unit)
Silt Traps installed greater than single unit depth to be extended
using Wavin inspection chamber shaft units.



POND AND DITCH LINING DETAIL TYPICAL CROSS SECTION

(Scale 1:20)



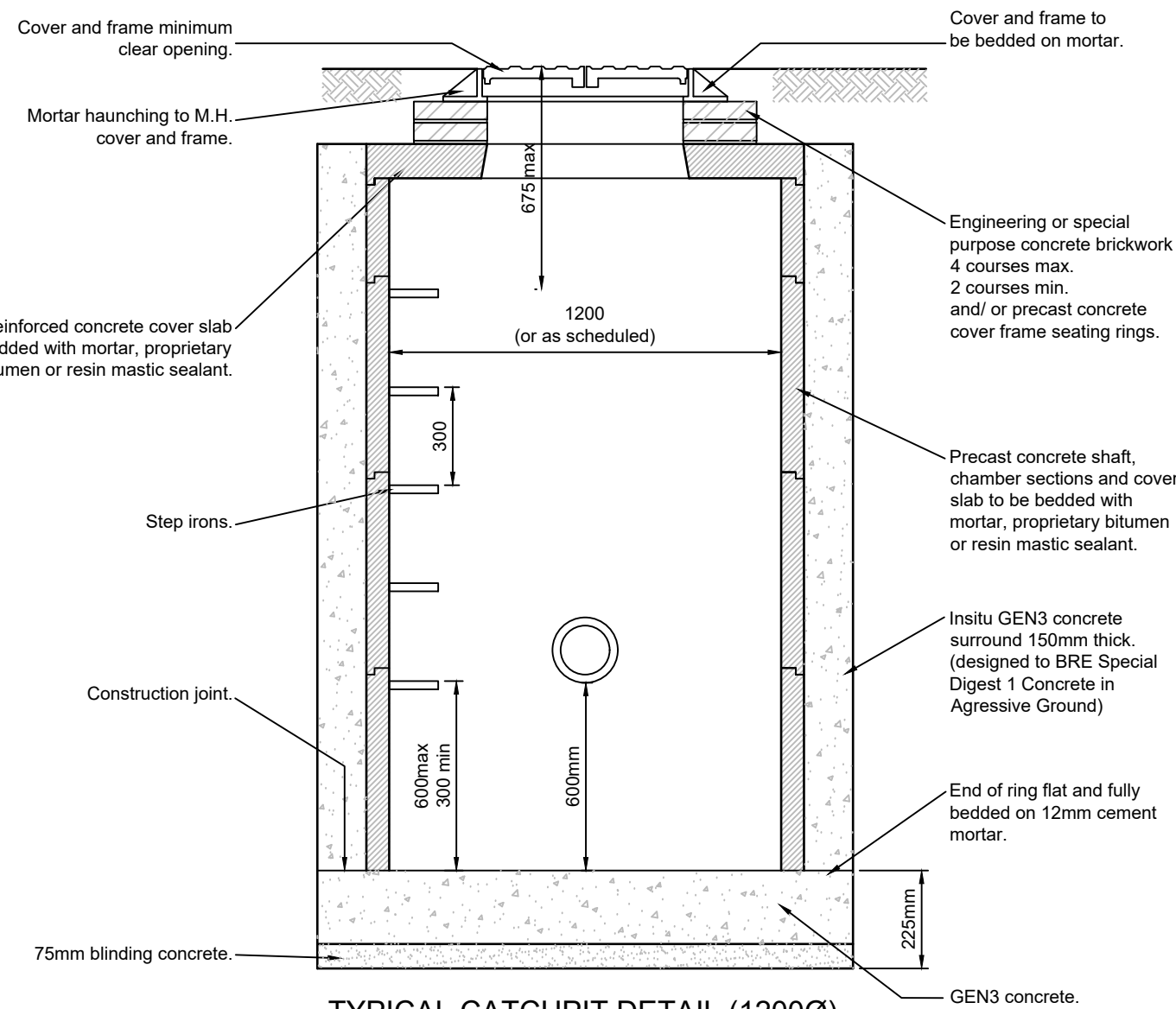
Refer to flow control
manufacturers details for Sump
dimension.



FLOW CONTROL CHAMBER

(Scale 1:20)

The details shown above are indicative only
and should not be used as a scaled drawing.
Please refer to manufacturers installation.



TYPICAL CATCHPIT DETAIL (1200Ø)

(Scale 1:20)

DRAINAGE NOTES:

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| <p>1. ALL DRAINAGE WORKS TO BE CONSTRUCTED IN STRICT ACCORDANCE WITH SPECIFICATION OF THE LOCAL AUTHORITY, BUILDING REGULATIONS, SEWERS FOR ADOPTION, BS8301 & BS EN 752-1.</p> <p>2. FOR LOCATION AND SETTING OUT OF BUILDING DRAINAGE POINTS REFER TO ARCHITECTS DRAWINGS.</p> <p>3. ALL PIPE RUNS NEAR BUILDINGS TO COMPLY WITH THE BUILDING REGULATIONS CLASS PART H1, WHERE A PIPE IS WITHIN 1m OF A FOUNDATION THE TRENCH SHALL BE FILLED WITH C/25 CLASS 3 CONCRETE UP TO THE LOWEST LEVEL OF THE FOUNDATION, WHERE THE TRENCH IS FURTHER THAN 1m FROM THE FOUNDATION, THE TRENCH SHALL BE FILLED WITH CLASS G/3 CONCRETE TO A LEVEL BELOW THE LOWEST LEVEL FOR THE FOUNDATION EQUAL TO THE DISTANCE FROM THE FOUNDATION LESS 150mm. IN BOTH CASES THE PIPE SHALL BE BEDDED AND SURROUNDED IN 150mm THICK CLASS G/3 CONCRETE.</p> <p>4. WHERE PIPES, EXTERNAL TO THE STRUCTURES, HAVE A DEPTH TO SOFFIT FROM GROUND LEVEL OF LESS THAN 450mm THEY SHALL HAVE A CLASS G/3 CONCRETE ENCASEMENT (150mm THICK).</p> <p>5. WHERE A PIPE, UNDER A CARRIAGEWAY, HAS A DEPTH OF COVER OF LESS THAN 1.2m THE PIPE SHALL BE LAID IN A CONCRETE BED AND SURROUND.</p> <p>6. IN ANY CIRCUMSTANCES WHERE PIPES ARE BEDDED AND SURROUNDED IN CONCRETE FLEXIBLE JOINTS SHOULD BE PROVIDED, COMPRESSIBLE BOARDS (FIBREBOARD OR POLYSTYRENE) SHALL BE PROVIDED AT A MAXIMUM OF 8m CENTRES (COINCIDING WITH PIPE JOINTS). THE BOARDS SHALL BE PRE-CUT TO PIPE DIAMETER AND TO A HEIGHT AND WIDTH EQUAL TO THE CONCRETE CROSS SECTION. A BOARD THICKNESS OF 18mm FOR PIPES UP TO 450mm NOMINAL DIAMETER AND 35mm FOR PIPES OVER 450mm NOMINAL DIAMETER.</p> <p>7. ALL PRIVATE BUILDING DRAINAGE SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH BS EN 752-1, UNLESS OTHERWISE SPECIFIED BUILDING DRAINAGE SHALL BE 100mm DIAMETER AND SHALL BE LAID AT A MINIMUM GRADIENT OF $(1/15 \pm 1 \text{ IN } 40) \pm 1 \text{ IN } 80$ FOR FLOOR DRAINS AND 1 IN 80 FOR SURFACE WATER DRAINS. ALL BUILDING DRAINS SHALL BE LAID IN CONJUNCTION WITH NON ADOPTIVE BEDDING DETAILS (CLASS D, OR R) UNLESS OTHERWISE SPECIFIED.</p> | <p>8. ALL PIPES, BENDS AND JUNCTION FOR PRIVATE BUILDING DRAINAGE SHALL BE UPVC CONFORMING TO BS4660 AND BS5481 AS APPROPRIATE AND SHALL BE LAID IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION. ALL PIPES, BENDS AND JUNCTION MATERIALS FOR ADOPTABLE DRAINAGE SHALL BE VITRIFIED CLAY, EXTRA STRENGTH OR SUPER STRENGTH TO BS EN 295, WITH FLEXIBLE JOINTS AND KITEMARK CERTIFIED</p> <p>9. ALL BACK INLET GULLIES TO BE RODDABLE OR CONNECTED TO INSPECTION CHAMBERS.</p> <p>10. ALL GULLY CONNECTIONS OTHER THAN AT MANHOLES TO BE "Y" JUNCTIONS.</p> <p>11. ALL ROAD GULLY CONNECTIONS TO BE 150mm DIAMETER.</p> <p>12. ALL STUB STACKS TO BE FITTED WITH AIR ADMITTANCE VALVES WHERE BRANCH DRAIN EXCEEDS 12m EXCEPT AT THE HEAD OF THE RUN. SOIL VENT PIPES LOCATED AT THE HEAD OF A RUN TO TERMINATE TO FRESH AIR.</p> <p>13. ALL CONNECTIONS TO BE SOFFIT TO SOFFIT UNLESS OTHERWISE NOTED.</p> <p>14. ALL CONCRETE AND CONCRETE PRODUCTS TO BE IN ACCORDANCE WITH BRE 363 FOR SULPHATES.</p> <p>15. THE LOCATIONS OF ALL SVPS AND RWPS SHALL BE CROSS REFERENCED AGAINST THE ARCHITECTS DRAWINGS DURING SETTING OUT.</p> <p>16. BEFORE CONNECTIONS ARE MADE TO EXISTING PUBLIC SEWERS AN APPLICATION UNDER 106 MUST BE MADE TO SOUTHERN WATER.</p> <p>17. THE PRECISE DEPTH AND LOCATION AND SIZE OF EXISTING PIPES OR MANHOLES WHERE CONNECTIONS OR DIVERSION ARE PROPOSED MUST BE CONFIRMED AND REPORTED TO THE ENGINEER AT THE EARLIEST OPPORTUNITY.</p> <p>18. WHERE INSPECTION COVERS ARE LOCATED IN AREAS OF BLOCK PAVING OR PAVING SLABS THEY SHALL BE FITTED WITH RECESSED COVERS AND INFILLED WITH THE ADJACENT MATERIAL.</p> |
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