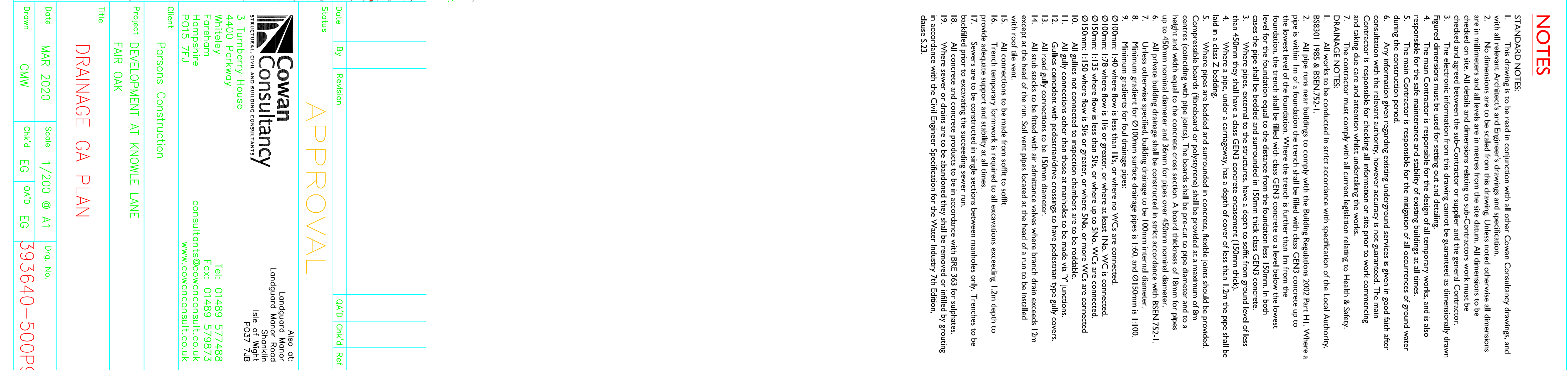




	(45,000)	EXISTING ADAPTED SOUTHERN WATER POOL SEWER
	(45,000)	ADAPTABLE RIGID RISING MANHOLE WITH INVERT LEVEL ON ADAPTABLE POOL SEWER
	(45,000)	TYPE 1, 1200R RIGID MANHOLE WITH INVERT LEVEL ON ADAPTABLE POOL SEWER
	(45,000)	TYPE 2, 1200R RIGID MANHOLE WITH INVERT LEVEL ON ADAPTABLE POOL SEWER
	(45,000)	TYPE 3, 450 X 450 RIGID I.C. WITH INVERT LEVEL ON ADAPTABLE POOL SEWER
	(45,000)	TYPE 3, 1000X450 F.FLEXIBLE I.C. WITH INVERT LEVEL ON ADAPTABLE POOL SEWER
	(45,000)	TYPE 2, 1200R RIGID MANHOLE WITH INVERT LEVEL ON PRIVATE STORM DRAIN.
	(45,000)	TYPE 3, 450X450 F.FLEXIBLE I.C. WITH INVERT LEVEL ON PRIVATE STORM DRAIN.
	(45,000)	TYPE 4, 450X315 F.FLEXIBLE I.C. WITH INVERT LEVEL ON PRIVATE STORM DRAIN.
	(45,000)	TYPE 2, 1200R RIGID MANHOLE WITH INVERT LEVEL ON PRIVATE STORM DRAIN.
	(45,000)	TYPE 3, 1000X450 F.FLEXIBLE I.C. WITH INVERT LEVEL ON PRIVATE STORM DRAIN.
	(45,000)	TYPE 4, 450X315 F.FLEXIBLE I.C. WITH INVERT LEVEL ON PRIVATE STORM DRAIN.
	(45,000)	CATCHPIT MANHOLE WITH INVERT LEVEL ON PRIVATE STORM DRAIN.
	(45,000)	CATCHPIT CHAMBER WITH INVERT LEVEL ON PRIVATE STORM DRAIN.
	(45,000)	RIDDING EYE WITH INVERT LEVEL ON PRIVATE STORM DRAIN.
	(45,000)	ROAD GULLY WITH LATERAL STORM DRAIN.
	(45,000)	PROPOSED ACO DRAIN.
		WAIN AGAGCEL MODULAR ATTENUATION TANK.
		PERFORATED PIPE.
		FEMURABLE PAVING.

STANDARD NOTES:

1. This drawing is to be read in conjunction with all other Cowan Consultancy drawings, and with the relevant Specification and relevant standards.
2. It is the Architect's and Engineer's drawings and specifications that govern. All dimensions are as indicated and all work is to be in accordance with the site datum. All dimensions to be checked on site. All details and dimensions relating to site Contractors work must be checked and agreed between the sub-Contractor or supplier and the general Contractor.
3. The electronic information from this drawing cannot be guaranteed as dimensionally drawn. Figure dimensions must be used for setting out and detailing.
4. The main Contractor is responsible for the design of all temporary works, and is also responsible for the safe maintenance and stability of existing buildings at all times.
5. The main Contractor is responsible for the mitigation of all occurrences of ground water during the construction period.
6. All dimensions given regarding existing underground services is given in good faith after consultation with the relevant utility companies. No responsibility is to be taken for any damage to existing services or for any loss or damage to property.

Contractor is responsible for checking all information on site prior to work commencing and taking due care and attention while undertaking the works.

7. The contractor must comply with all current legislation relating to Health & Safety.

ADDITIONAL NOTES:

1. All work to be conducted in strict accordance with Specification of the Local Authority.
2. BS8901 Part 1 & BSEN752-1.
3. All pipe runs near buildings to comply with the Building Regulations 2002 Part H1. Where a pipe is within 1m of a foundation, the trench shall be filled with class GEN3 concrete up to the level of the ground surface.
4. The trench shall be filled with class GEN3 concrete to a least below the lowest foundation, the finished surface to the distance from the foundation less 150mm. In both cases the pipe shall be bedded and surrounded in 150mm thick class GEN3 concrete.
5. Where pipes, external to the structures, have a depth to suit from ground level of less than 450mm they shall have a class GEN3 concrete encasement (150mm thick).
6. Where a pipe, under a category, has a depth of cover of less than 12m, the pipe shall be protected by bedding, bedded and surrounded in concrete, flexible jointing provided.
7. Compressible boards (bitboard or polypropylene) shall be placed 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 cover section. A board thickness of 18mm for pipes up to 450mm nominal diameter and 30mm for pipes over 450mm nominal diameter.
8. All private building drainage shall be constructed in strict accordance with BSEN752-1.
9. Unless otherwise specified, building drainage to be 100mm internal diameter.
10. Minimum gradient for 1000mm surface drainage pipes 1:60, and 1500mm is 1:100.
11. All connections to be made from top to bottom.
12. All connections to be made from left to right.
13. All connections to be made from front to rear.
14. All cast irons to be fitted with air admittance valves where drain exceed 12m depth at the vent of the run. Soil vent piped located at the head of a run to be installed with roof level vent.
15. All connections to be made from top to soffit.
16. Trench temporary framework is required for all excavations exceeding 12m depth to provide adequate support and stability at all times.
17. All covers are to be constructed in single sections between manholes only. Trenches to be excavated in one go.
18. All concrete and concrete products to be in accordance with BRE 335 for supporting.
19. All sewer or drains are to be abandoned if they shall removed or unfilled by grouting in accordance with the Civil Engineer Specification for the Water Industry 7th Edition, as shown in S.233.