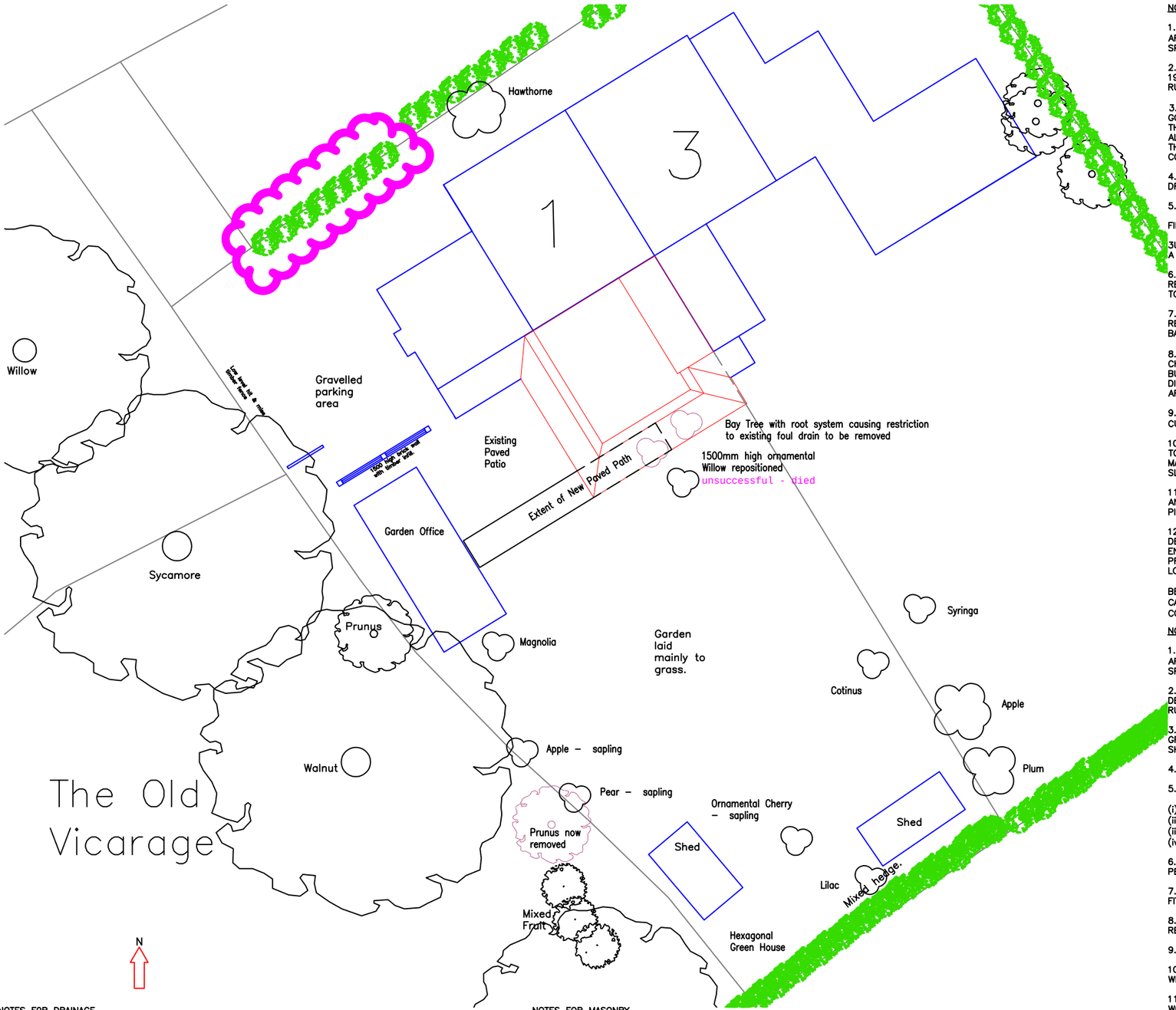


NOTES FOR CONCRETE

1. THESE NOTES ARE TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECT'S AND SERVICES ENGINEER'S DRAWINGS AND SPECIFICATIONS.

2. ALL CONCRETE SHALL COMPLY WITH BS 8500 AND BS EN 1992–1–1:2004 DESIGN OF CONCRETE STRUCTURES. GENERAL RULES AND RULES FOR BUILDINGS.

3. THE STRUCTURAL CONCRETE IS TO BE GRADE C32/40 WITH 50% GGBS AND THE MINIMUM CEMENT CONTENT REQUIRED TO ACHIEVE THE SPECIFIED STRENGTH. MASS CONCRETE SHALL BE GRADE C30P, ALSO WITH 50% GGBS. THE MIX DESIGN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL AT LEAST 7 DAYS PRIOR TO CONCRETING

4. COVER TO REINFORCEMENT IS TO BE AS SHOWN ON THE DRAWINGS.

5. THE CONCRETE FINISHES ARE TO BE:

FINISH	LOCATION
3U	SURFACES OF ALL SLABS
A	ALL FORMED SURFACES

6. 50mm THICK BLINDING CONCRETE IS TO BE PLACED UNDER ALL REINFORCED CONCRETE IN CONTACT WITH THE GROUND. CONCRETE TO BE GRADE C30P.

7. REINFORCEMENT SHALL COMPLY WITH BS 4449 OR BS 4483 AS RELEVANT. THE CONTRACTOR SHALL PREPARE BENDING SCHEDULES BASED ON THE R.C. DETAILS SHOWN ON THE DRAWINGS.

8. OPENINGS SHOWN ON THE ENGINEER'S DRAWINGS ARE TO BE CHECKED BY THE CONTRACTOR WITH THE RELEVANT SERVICES BUILDERSWORK DRAWINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE DRAWN TO THE ATTENTION OF THE ARCHITECT.

9. NO HOLES IN REINFORCED CONCRETE ARE TO BE FORMED OR CUT WITHOUT THE ENGINEER'S PRIOR AGREEMENT.

10. THE POSITIONS AND DETAILS OF ALL CONSTRUCTION JOINTS ARE TO BE AGREED WITH THE ENGINEER BEFORE WORK COMMENCES. MAXIMUM LENGTH OF WALL SHALL BE 10m. MAXIMUM AREA OF SLAB SHALL BE 200m².

11. WATER BARS SHALL BE USED AT ALL CONSTRUCTION JOINTS AND PENETRATIONS. PUDDLE FLANGES SHALL BE USED ON PIPEWORK PASSING THROUGH RC WALLS OR SLABS.

12. SERVICEABILITY CRITERIA SHOWN BELOW HAVE BEEN ADOPTED IN DESIGN IN ACCORDANCE WITH BS EN 1992. CONTRACTOR TO ENSURE ALL SUPPORTED FINISHES ALLOW FOR THESE DEFLECTIONS. PRE–DEFLECTION MAY BE REQUIRED FOR SIGNIFICANT PERMANENT LOADS.

BEAMS – SPAN/250
CANTILEVERS – LENGTH/125
COLUMNS – HEIGHT/300

NOTES FOR TIMBER

1. THESE NOTES ARE TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECT'S AND SERVICES ENGINEER'S DRAWINGS AND SPECIFICATION.

2. ALL TIMBER–WORK SHALL COMPLY WITH BS EN 1995–1–1:2004 DESIGN OF TIMBER STRUCTURES. GENERAL. COMMON RULES AND RULES FOR BUILDINGS

3. ALL SOLID TIMBER SHALL COMPLY WITH BS EN 14081–1 AND BE GRADE C24 UNLESS NOTED OTHERWISE. EVIDENCE OF GRADING SHALL BE PROVIDED BEFORE WORK COMMENCES.

4. THE SIZES SHOWN ON THE DRAWINGS ARE FINISHED SIZES.

5. PLYWOOD SHALL COMPLY WITH BS EN 636 AND BE AS FOLLOWS:

(i) TYPE – SWEDISH GRAGE P30 SPRUCE PINE
(ii) GRADE – SELECT UNSANDED
(iii) NOMINAL THICKNESS – 18.0mm
(iv) NUMBER OF PLIES – 5

6. IN JOINT ZONES, WANES, SHAKES AND KNOTS ARE NOT PERMITTED.

7. TIMBER TO BE CAREFULLY CUT AND PLANED TO ENSURE TIGHT FIT AND CONTINUOUS BEARING AGAINST METALWORK.

8. ALL GAPS BETWEEN TIMBER AND METALWORK TO BE RESIN–GROUTED, TO THE APPROVAL OF THE ENGINEER.

9. ALL CONNECTORS, BOLTS, NAILS ETC. SHALL BE GALVANISED.

10. ADHESIVE SHALL BE TO BS EN 301 OR BS EN 15425 TYPE WBP

11. ALL TIMBER TO BE TREATED IN ACCORDANCE WITH THE BRITISH WOOD PRESERVATIVE AND DAMP–PROOFING ASSOCIATION COMMODITY SPECIFICATION C8 FOR 40 YEARS DESIRED SERVICE LIFE.

12. ALL TIMBER FLAT ROOFS TO BE TIED DOWN WITH EXPAMET STSS STAINLESS STEEL VERTICAL RESTRAINT STRAPS @ 1200mm c/c. ALL WALLS TO BE LATERALLY RESTRAINED WITH EXPAMET HS HORIZONTAL RESTRAINT STRAPS @ 1200mm c/c.

13. SERVICEABILITY CRITERIA SHOWN BELOW HAVE BEEN ADOPTED IN DESIGN IN ACCORDANCE WITH BS EN 1995–1–1. CONTRACTOR TO ENSURE ALL SUPPORTED FINISHES ALLOW FOR THESE DEFLECTIONS. PREDEFLECTION MAY BE REQUIRED FOR SIGNIFICANT PERMANENT LOADS. ALSO NOTE THAT TIMBER EXHIBITS LONG TERM CREEP AND WILL THEREFORE CONTINUE TO DEFLECT AFTER LOAD HAS BEEN APPLIED.

BEAMS – SPAN/250
CANTILEVERS – LENGTH/125
COLUMNS – HEIGHT/300

NOTES FOR STRUCTURAL STEELWORK

1. THESE NOTES ARE TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECT'S AND SERVICES ENGINEER'S DRAWINGS AND SPECIFICATIONS.

2. THE DESIGN, FABRICATION & ERECTION OF THE STRUCTURAL STEELWORK IS TO BE IN ACCORDANCE WITH THE FOLLOWING DOCUMENTS:

BS EN 1993–1–1:2005 DESIGN OF STEEL STRUCTURES. GENERAL RULES AND RULES FOR BUILDINGS
NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION –THE LATEST EDITION.

ALL CLAUSES OF THE ABOVE, INCLUDING APPENDICES ARE DEEMED TO BE PART OF THIS SPECIFICATION.

3. FABRICATION DRAWINGS SHALL BE SUBMITTED FOR APPROVAL 14 DAYS PRIOR TO COMMENCEMENT OF FABRICATION, UNLESS AGREED OTHERWISE. IF FABRICATION DRAWINGS ARE NOT TO BE SUBMITTED THE FABRICATOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE ARCHITECT'S AND ENGINEER'S DRAWINGS. ANY DISCREPANCY SHALL BE NOTIFIED IMMEDIATELY TO THE CONTRACT ADMINISTRATOR, AND PRIOR TO COMMENCEMENT OF FABRICATION.

4. ALL STEELWORK SHALL COMPLY WITH BS EN 10025–1 to 6, BS EN 10210–1.

5. ALL ROLLED STEEL SHALL BE GRADE S355 UNLESS NOTED OTHERWISE. STEEL GRADE SHALL CONFORM WITH TABLE 3.1 OF BS EN 1993–1–1. ALL HOLLOW SECTION STEELWORK TO BE CELSIUS 355 TO BS EN 10210–1.

6. UNLESS NOTED OTHERWISE ALL BUTT WELDS SHALL BE FULL PENETRATION.

7. UNLESS NOTED OTHERWISE ALL FILLET WELDS SHALL BE FULL PROFILE WITH A MINIMUM LEG LENGTH OF 6mm.

8. UNLESS NOTED OTHERWISE ALL ORDINARY BOLT ASSEMBLIES SHALL BE M16 GRADE 8.8.

9. UNLESS NOTED OTHERWISE ALL HOLDING DOWN BOLTS SHALL BE M16 GRADE 8.8 ANCHORED A MINIMUM OF 200mm DEPTH INTO THE SUPPORTING CONCRETE WITH A 100x100x8 THICK WASHER PLATE AT THE EMBEDDED HEAD OF THE BOLT.

10. THE CLEARANCE OF BASE PLATES FROM SUPPORTING CONCRETE SHALL BE A MINIMUM OF 20mm AND ON COMPLETION OF ERECTION THIS SHALL BE GROUTED SOLID UNDER THE FULL AREA OF THE BASE PLATE WITH 1:2 SAND: CEMENT GROUT.

11. CORROSION PROTECTION FOR INTERNAL STEELWORK:

a) SURFACE PROTECTION – BLAST CLEAN TO SA 2.5 QUALITY BS EN ISO 8501–1.
b) PREFABRICATOR PRIMER – EPOXY ZINC PHOSPHATE HB: 50 MICRONS (DFT).
c) FINISHING COAT – SEE ARCH'S SPEC.
d) SEE ARCH'S SPECIFICATION FOR DETAILS ON COLOUR AND TEXTURE.

12. CORROSION PROTECTION FOR EXTERNAL STEELWORK TO BE HOT DIP GALVANIZED.

13. FIRE PROTECTION TO BE SPECIFIED BY THE ARCHITECT AND TO BE ACHIEVED AS FOLLOWS

½ HOUR ONE LAYER OF PLASTERBOARD AND SKIM COAT OR INTUMESCENT PAINT TO MANUFACTURER'S SPECIFICATION.

1 HOUR TWO LAYERS OF PLASTERBOARD WITH JOINTS STAGGERED AND SKIM COAT
OR INTUMESCENT PAINT TO MANUFACTURER'S SPECIFICATION.

14. SERVICEABILITY CRITERIA SHOWN BELOW HAVE BEEN ADOPTED IN DESIGN IN ACCORDANCE WITH NA TO BS EN 1993–1–1. CONTRACTOR TO ENSURE ALL SUPPORTED FINISHES ALLOW FOR THESE DEFLECTIONS. PREDEFLECTION MAY BE REQUIRED FOR SIGNIFICANT PERMANENT LOADS.

BEAMS – SPAN/360
CANTILEVERS – LENGTH/180
COLUMNS – HEIGHT/300

15. THE FABRICATED STEELWORK FOR THE PROJECT MUST BE CE MARKED IN ACCORDANCE WITH THE CONSTRUCTION PRODUCTS REGULATION. THE PROJECT IS EXECUTION CLASS 2 AND THE STEELWORK FABRICATOR MUST THEREFORE BE CERTIFIED FOR EXECUTION CLASS 2 OR 3 WORK. THEY MUST PROVIDE THE FOLLOWING THREE DOCUMENTS TO PROVE COMPLIANCE
i) FACTORY PRODUCTION CONTROL CERTIFICATE
ii) WELDING CERTIFICATE
iii) DECLARATION OF PERFORMANCE

NOTES FOR DRAINAGE

1. THESE NOTES ARE TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECT'S AND SERVICES ENGINEER'S DRAWINGS AND SPECIFICATIONS.
2. ALL UNDERGROUND DRAINAGE PIPEWORK TO BE 110mm PVC–U WAVIN OSMA DRAIN INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS, UNLESS OTHERWISE STATED
3. MANHOLE COVERS TO BE WAVIN OSMA SQUARE COVERS AND FRAMES WITH 350mm RESTRICTED ACCESS UNLESS OTHERWISE STATED
4. CHAMBERS TO BE CONSTRUCTED USING WAVIN OSMA SYSTEM FOR ADOPTABLE APPLICATIONS UNLESS OTHERWISE STATED
5. ALL CHAMBERS TO BE CONSTRUCTED WITH ROCKER PIPES WITHIN 600mm OF THE SURROUND
6. WHERE DRAINS PASS THROUGH STRUCTURAL CONCRETE, THE REINFORCING BARS SHALL BE DISPLACED AND NOT CUT OUT.

0 5 10 20 METRES

NOTES FOR MASONRY

1. THESE NOTES ARE TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECT'S SERVICES ENGINEER'S DRAWINGS AND SPECIFICATIONS.
2. ALL BRICKWORK SHALL COMPLY WITH BS EN 1996–1–1:2005 DESIGN OF MASONRY STRUCTURES. GENERAL RULES FOR REINFORCED AND UNREINFORCED MASONRY STRUCTURES.
3. ALL BRICKS SHALL HAVE A MINIMUM CRUSHING STRENGTH OF 20N/mm².
4. BLOCKWORK SHALL HAVE A MINIMUM CRUSHING STRENGTH OF 7N/mm².
5. MORTAR SHALL BE CLASS (iii) / M4 CEMENT: LIME: SAND MIX (1:1:6), UNLESS INDICATED OTHERWISE.
6. ALL VERTICAL JOINTS SHALL BE COMPLETELY FILLED. BRICKS SHALL BE LAID FROG UP. THE VOIDS IN PERFORATED BRICKS SHALL BE FILLED.
7. FISSURED BRICKS OR BRICKS WITH VOIDS SHALL NOT BE USED.
8. HORIZONTAL CHASES ARE PROHIBITED. VERTICAL CHASES AND BUILDERSWORK HOLES SHALL BE AGREED WITH THE ARCHITECT.
9. WALL TIES TO BE ANCON ST1 TYPE 1 TIE AT 450mm VERTICALLY AND 900mm HORIZONTALLY UNLESS OTHERWISE STATED

Rev	Date	By	Rev
B	21.05.22	MR	CONSTRUCTION ISSUE
A	01.08.21	MR	REVISED PLANNING
–	25.04.21	MR	PLANNING

CDM STATEMENT
ANY INFORMATION GIVEN ON THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE CONSTRUCTION HEALTH AND SAFETY PLAN PREPARED BY THE PRINCIPAL CONTRACTOR.
ANY CHANGES IN DESIGN, OR CONDITIONS ARISING OR INFORMATION BECOMING KNOWN AT A LATER DATE, WHICH MAY IMPACT UPON THE DESIGN, CONSTRUCTION OR USE OF THE BUILDING, MUST BE NOTIFIED TO THE PRINCIPAL CONTRACTOR AND PRINCIPAL DESIGNER IMMEDIATELY.

DRAWING STATUS: CONSTRUCTION

CLIENT: MR & MRS WHIDBORNE
1 SPALDWICK ROAD, STOW LONGA
CAMBRIDGESHIRE PE28 0TL

DRAWING TITLE: BLOCK PLAN & MATERIALS SPECIFICATIONS

JOB TITLE: 1 SPALDWICK ROAD
STOW LONGA
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DATE	SCALE	DRAWN / CHECKED
30.08.2020	A1 – 1:100 A3 – 1:200	MR –
JOB No.	DRG No.	REVISION
1847	02	B