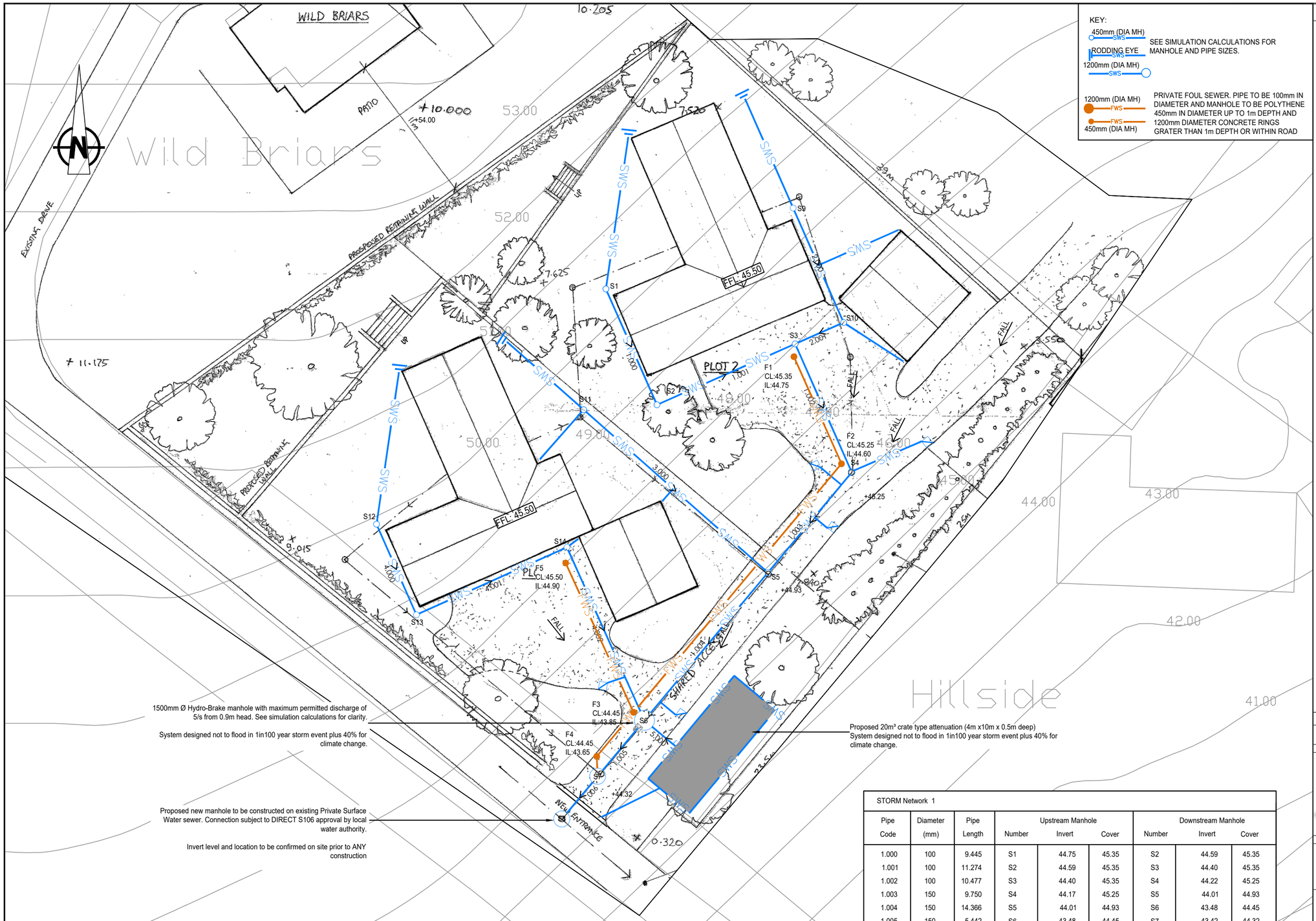

1500mm Ø Hydro-Brake manhole with maximum permitted discharge of 5/s from 0.9m head. See simulation calculations for clarity.

System designed not to flood in 1in100 year storm event plus 40% for climate change.

Proposed new manhole to be constructed on existing Private Surface Water sewer. Connection subject to DIRECT S106 approval by local water authority.

Invert level and location to be confirmed on site prior to ANY construction

Proposed 20m³ crate type attenuation (4m x10m x 0.5m deep) System designed not to flood in 1in100 year storm event plus 40% for climate change.

KEY:

450mm (DIA MH) — SWS — SEE SIMULATION CALCULATIONS FOR MANHOLE AND PIPE SIZES.

RODDING EYE — SWS

1200mm (DIA MH) — SWS

1200mm (DIA MH) — FWS — PRIVATE FOUL SEWER. PIPE TO BE 100mm IN DIAMETER AND MANHOLE TO BE POLYTHENE 450mm IN DIAMETER UP TO 1m DEPTH AND 1200mm DIAMETER CONCRETE RINGS GRATER THAN 1m DEPTH OR WITHIN ROAD

FWS — 450mm (DIA MH)

Notes:

1. THE COPYRIGHT OF THIS DRAWING IS VESTED IN DEMUS DESIGN LTD AND IT MAY NOT BE REPRODUCED IN WHOLE OR PART OR USED FOR THE MANUFACTURE OF ANY ARTICLE WITHOUT THE EXPRESS PERMISSION OF THE COPYRIGHT HOLDERS.

2. WORK TO FIGURED DIMENSIONS ONLY.

3. THIS DRAWING SHOULD ONLY BE USED FOR PLANNING ONLY

4. ALL DIMENSIONS IN METERS UNLESS STATED OTHERWISE.

4. ALL PRIVATE DRAINAGE WORKS ARE TO COMPLY WITH THE REQUIREMENTS OF BS 752 BUILDING DRAINAGE AND BUILDING REGULATIONS 2000 APPROVED DOCUMENT H 2002 EDITION. ALL ADOPTABLE DRAINAGE TO COMPLY WITH THE REQUIREMENTS OF SEVERN TRENT WATER AND SEWERS FOR ADOPTION (6th EDITION), INCLUDING THE RELEVANT PROVISIONS OF THE COMBINED ADDENDUM.

5. ALL MATERIALS, UNLESS SPECIFIED OTHERWISE, SHALL COMPLY WITH THE RELEVANT BRITISH STANDARD. SOURCES OF MATERIALS ARE TO BE AGREED WITH THE EMPLOYER'S REPRESENTATIVE/ENGINEER IN ADVANCE OF THE WORKS.

6. ANY DISCREPANCIES IN THE DETAILS SHOWN TO BE REPORTED TO THE EMPLOYER'S REPRESENTATIVE/ENGINEER PRIOR TO CONSTRUCTION.

7. LOCATION AND LEVELS OF EXISTING DRAINAGE RUNS ARE BASED UPON SEWER RECORD PLANS AND MUST BE CHECKED ON SITE PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS.

8. ALL EXISTING SERVICES TO BE LOCATED PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS WHERE NECESSARY PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORKS.

9. ALL ADOPTABLE DRAINAGE AND FITTINGS TO BE FLEXIBLY JOINTED CLAYWARE TO BS EN295 OR CONCRETE TO BS5911 PART 100. FLEXIBLY JOINTED UPVC PIPES AND FITTINGS TO WIS No 4-13-05 MAY BE USED FOR PRIVATE BUILDING DRAINAGE SYSTEMS ONLY.

10. TYPICAL PIPE BEDDING TO DRAINAGE WHERE DEPTH TO SOFFIT IS GREATER THAN 600mm IN LANDSCAPED AREAS AND GREATER THAN 1200mm IN ADOPTABLE HIGHWAYS AND 900mm IN OTHER TRAFFICKED AREAS IS TO BE CLASS S (I.E. 10-14mm GRADED IMPORTED GRANULAR BED AND SURROUND FOR PIPES UP TO 525 Dia AND 20 - 40mm GRADED IMPORTED GRANULAR BED AND SURROUND FOR PIPES GREATER THAN 525 Dia)

11. BACKFILL TO DRAINAGE TRENCHES UNDER CARRIAGEWAYS TO BE TYPE 1 SUB-BASE MATERIAL, ELSEWHERE BACKFILL TO BE FREE DRAINING READILY COMPATIBLE MATERIAL, FREE FROM RUBBISH AND ORGANIC MATTER, FROZEN SOIL CLAY LUMPS AND LARGE STONES. TO BE COMPACTED IN LAYERS NOT EXCEEDING 150mm THICK.

12. CONCRETE MIXES INDICATED ON THIS DRAWING ARE DESIGNATED MIXES CONFORMING TO BS 8500-1, 2002.

13. A FLEXIBLE JOINT SHALL BE PROVIDED AS CLOSE AS IS FEASIBLE TO OUTSIDE FACE OF ANY STRUCTURE INTO WHICH A PIPE IS BUILT, COMPATIBLE WITH THE SATISFACTORY COMPLETION AND SUBSEQUENT MOVEMENT OF THE JOINT. THE LENGTH OF THE NEXT PIPE (ROCKER PIPE) AWAY FROM THE STRUCTURE SHALL BE AS SHOWN IN THE TABLE BELOW.

NOMINAL DIAMETER - 150mm-600mm = EFFECTIVE LENGTH 600mm

14. RWP & SVP LOCATIONS TO BE CONFIRMED ONSITE PRIOR TO ANY CONSTRUCTION

15. SITE TO BE REVIEWED FOLLOWING RECIEPT OF TOPOGRAPHICAL SURVEY AND/OR EXTERNAL LEVELS DRAWING

STORM Network 1

Pipe Code	Diameter (mm)	Pipe Length	Upstream Manhole Number	Upstream Manhole Invert	Upstream Manhole Cover	Downstream Manhole Number	Downstream Manhole Invert	Downstream Manhole Cover
1.000	100	9.445	S1	44.75	45.35	S2	44.59	45.35
1.001	100	11.274	S2	44.59	45.35	S3	44.40	45.35
1.002	100	10.477	S3	44.40	45.35	S4	44.22	45.25
1.003	150	9.750	S4	44.17	45.25	S5	44.01	44.93
1.004	150	14.366	S5	44.01	44.93	S6	43.48	44.45
1.005	150	5.442	S6	43.48	44.45	S7	43.42	44.32
1.006	150	4.165	S7	43.42	44.32	S8	43.35	44.15
2.000	100	9.334	S9	44.75	45.35	S10	44.59	45.35
2.001	100	3.948	S10	44.59	45.35	S3	44.40	45.35
3.000	100	18.355	S11	44.75	45.35	S5	44.06	44.93
4.000	100	7.384	S12	44.75	45.35	S13	44.38	45.35
4.001	100	12.313	S13	44.38	45.35	S14	43.77	45.35
4.002	100	14.143	S14	43.77	45.35	S6	43.53	44.45
5.000	150	3.972	S15	43.60	44.45	S6	43.48	44.45

REV:	DESCRIPTION:	BY:	DATE:
STATUS:	PLANNING ISSUE		

Onn Point ENGINEERING

Tel:01902 475653
17 Goldthorn Avenue, Penn, Wolverhampton, WV4 5AA
www.onn-point.co.uk

CLIENT:

SITE: WILD BRIARS, BLEASBY ROAD GOVERTON, NOTTINGHAM

TITLE: PROPOSED DRAINAGE STRATEGY

SCALE AT A2:	DATE:	DRAWN:	CHECKED:
1:200	20.06.22	RJS	

PROJECT NO:	DRAWING NO:	REVISION:
22-OP - 1223	A2/001	-