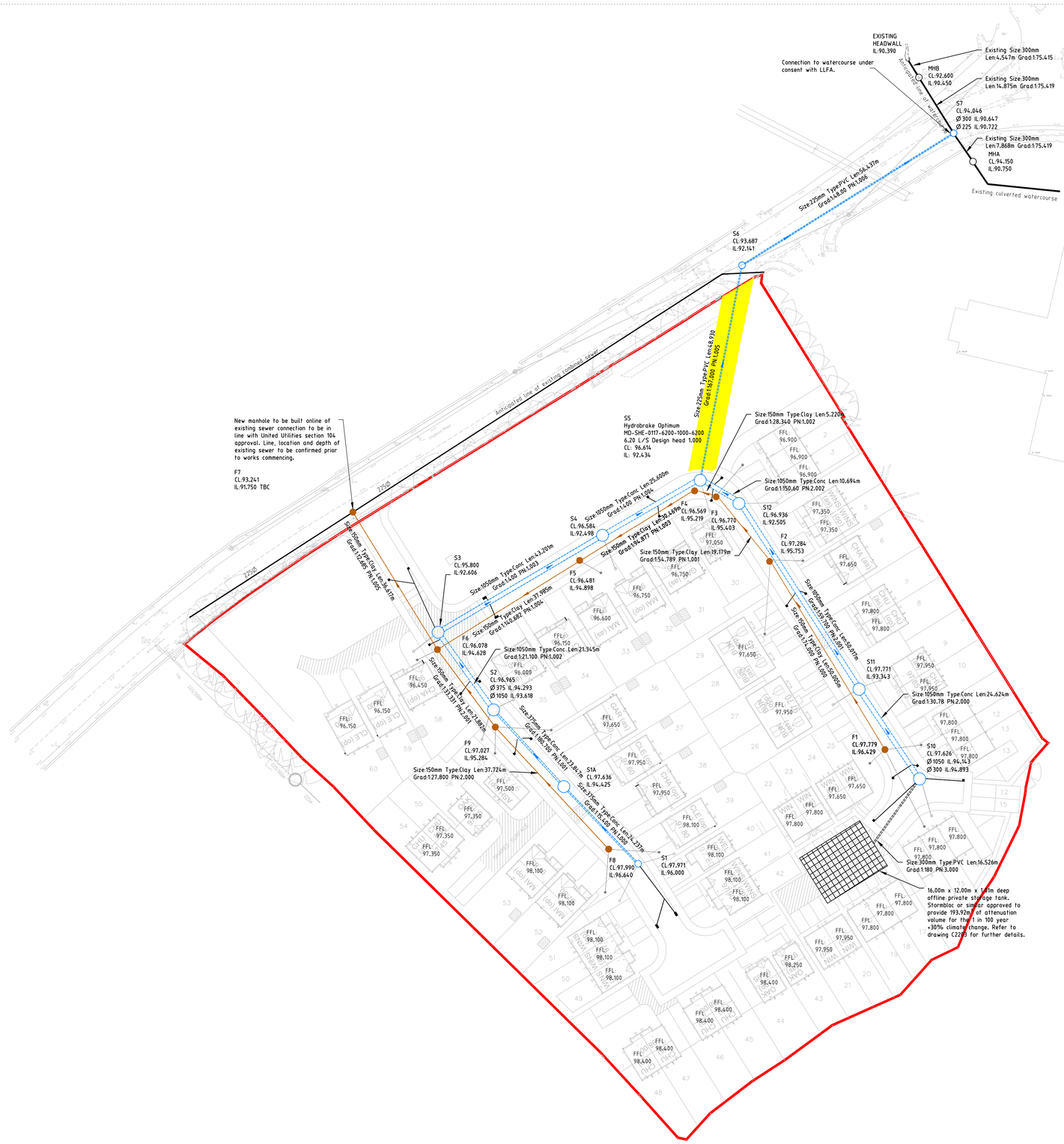

N

W E

S

NOTES:

1. ALL SEWERS ARE DESIGNED IN ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION AND UNITED UTILITIES GUIDELINES AND STANDARD DETAILS.
2. ALL CO-ORDINATES AND LEVELS SHOWN ARE RELATIVE TO THE TOPOGRAPHIC SURVEY.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ANY EXISTING GROUND AND INVERT LEVELS SHOWN ON THE DRAWING ARE CORRECT PRIOR TO THE COMMENCEMENT OF ANY WORKS. ANY DISCREPANCIES MUST BE MUST BE REPORTED IMMEDIATELY.
4. PRIOR TO THE COMMENCEMENT OF ANY ON SITE WORKS THE CONTRACTOR MUST CONTACT THE STATUTORY UNDERTAKER AND BE IN POSSESSION OF THE LATEST DRAWINGS SHOWING THEIR APPARATUS.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ALLOW FOR THE SUPERVISION OF THE CONSTRUCTION WORKS BY UNITED UTILITIES AND/ OR LANCASHIRE COUNTY COUNCIL. THE CONTRACTOR WILL NOTIFY THE SUPERVISING OFFICER GIVING NOTICE WHICH WILL BE IN ACCORDANCE WITH THE AUTHORITIES REQUIREMENTS.
6. THE PROPOSED SEWERS WILL BE CLAY PIPE WORK AND SHALL BE EXTRA STRENGTH TO BS EN 295 1991 PART 1.
7. ANY PCC PIPE WORK WILL BE IN ACCORDANCE WITH BS EN 1916 2002.
8. ALL MANHOLES AND CHAMBERS SHALL BE IN ACCORDANCE WITH BS EN 1917 2002
9. SEWERS WITH COVER TO SOFFIT GREATER THAN 1.2m IN ROADS AND 0.9m IN FIELDS SHALL HAVE BED AND SURROUND AS FOLLOWS RIGID PIPE EMBEDMENT SHALL BE CLASS A, B, D, F OR S. SEMI RIGID PIPE EMBEDMENT SHALL BE CLASS S1, S2, S3, S4, S5 OR CLASS B1 AND B2 ALL IN ACCORDANCE WITH UNITED UTILITIES STANDARD DETAIL STND/05/001.
10. PRIVATE DRAINAGE CONNECTIONS TO THE SEWER WILL BE 150MM DIAMETER AND LAID TO THE SPECIFIED INVERT.
11. THE INVERT LEVELS SPECIFIED AT THE DRAG OUT CHAMBER ARE INCOMING LEVELS.
12. WHEREVER POSSIBLE PRIVATE DRAINAGE RUNS WILL REMAIN WITHIN THE CURTILAGE OF THE DWELLING FOR WHICH THEY SERVE.
13. THE CONNECTION TO THE ADOPTABLE SEWER SHALL BE MANUFACTURED JUNCTION PIPES A SADDLE CONNECTION IS NOT PERMITTED UNLESS IT IS CLEARLY SPECIFIED.
14. ANY SEWER FOR ADOPTION WITH A COVER OF LESS THAN 1.2M TO PIPE SOFFIT IN ROADS OR 0.9m TO PIPE SOFFIT IN FIELDS WILL HAVE A MINIMUM 150mm GEN 3 CONCRETE BED AND SURROUND WITH FLEXIBILITY MAINTAINED WITH FLEXCELL EXPANSION JOINT FILLER OR SIMILAR APPROVED AT EACH PIPE JOINT.
15. ALL MATERIALS SHALL COMPLY WITH THE NBS SPECIFICATION.
16. ALL BENCHING TO BE AS CLAUSE R12, MINIMUM THICKNESS TO BE 20mm. MIN SLOPE 1 IN 30.
17. BRICK TO BE ENGINEERING CLASS 'B' AS CLAUSE R12.
18. CEMENT MORTAR TO BE GROUP 1 AS CLAUSE R12.
19. CONCRETE MIX FOR DRAINAGE BEDS TO BE GEN1.
20. CONCRETE MIX FOR MANHOLE SURROUNDS TO BE GEN3.
21. INSTALL GULLIES, MANHOLES, GRATES, COVERS AND ALL ANCILLARY ITEMS TO MANUFACTURERS SPECIFICATION.
22. ALL MANHOLES INCLUDING 1350MM DIAMETER TO BE KITEMARKED AND COMPLY TO BS EN 1917:2002.
23. ALL MANHOLES TO BE INSTALLED IN ACCORDANCE WITH SEWERS FOR ADOPTION MANHOLE DETAILS AND HYDRO INTERNATIONAL SPECIFICATION.
24. CONNECTIONS TO THE EXISTING SEWER WILL BE IN ACCORDANCE WITH SECTION 104 APPROVAL GRANTED BY UNITED UTILITIES.

KEY

- Proposed storm water sewer
- Proposed foul water sewer
- Existing combined sewer
- Proposed highway drain
- Existing watercourse
- Private storm water sewer
- Storm water dragout
- Foul water dragout
- Proposed gully

0 mm 10 20 30 40 50

Rev	Date	Description	By	Chk
P04	30.11.17	Updated to new storage tank position	MA	RA
P03	22.11.17	Updated in line with UU comments	MA	RA
P02	16.11.17	Updated in line with LCC comments	MA	RA
P01	02.11.17	Issued for Approval	MA	RA

DO NOT SCALE DRAWINGS. IF IN DOUBT, ASK!

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Project Name: CHATBURN ROAD CLITHEROE

Client: McDERMOTT HOMES

Designed	Drawn	Checked	Scale @ A1
MA	MA	RA	1:500

Drawing Title: DRAINAGE LAYOUT

Discipline	Status
CIVIL	APPROVAL

Project No.	Drawing No.	Revision
17067	C2001	P04

PLOT DATE: 11/30/2017 2:09 PM - FILENAME: J:\17067 - CHATBURN ROAD CLITHEROE\DRAWINGS\EDGE\CIVIL\DWGS\17067_C2001_DRAINAGE LAYOUT.DWG