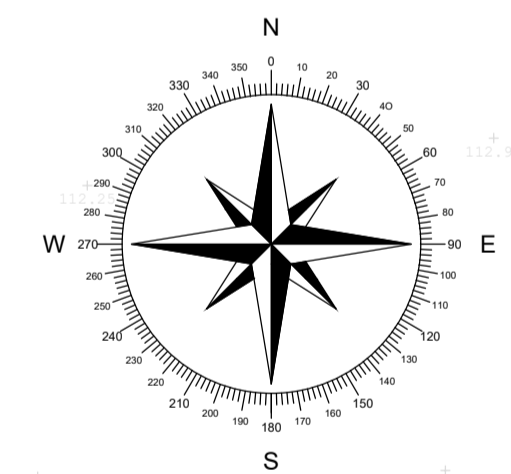


2.7M HIGH ACOUSTIC FENCE

2.7M HIGH ACOUSTIC FENCE



**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, RSK DRAWING NUMBER 2929491-1-01 DATED 25.03.2014.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE LINE AND LOCATION OF ANY EXISTING SEWERS, AS WELL AS ANY EXISTING GROUND AND INVERT LEVELS SHOWN ON THE DRAWING ARE CORRECT PRIOR TO THE COMMENCEMENT OF ANY WORKS. ANY DISCREPANCIES 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 THE HIGHWAYS AUTHORITY. 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 2951991 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. ANY SEWER FOR ADOPTION WITH COVER TO SOFFIT GREATER THAN 1.2m IN ROADS AND 0.9m IN FIELDS SHALL HAVE GRANULAR CLASS 5 BED AND SURROUND.
10. 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.
11. PRIVATE DRAINAGE CONNECTIONS TO THE SEWER WILL BE 150MM DIAMETER AND LAID TO THE SPECIFIED INVERT.
12. THE INVERT LEVELS SPECIFIED AT THE DRAG OUT CHAMBER ARE INCOMING LEVELS.
13. WHEREVER POSSIBLE PRIVATE DRAINAGE RUNS WILL REMAIN WITHIN THE CURTLAGES OF THE DWELLING FOR WHICH THEY SERVE.
14. THE CONNECTION TO THE ADOPTABLE SEWER SHALL BE MANUFACTURED JUNCTION PIPES A SADDLE CONNECTION IS NOT PERMITTED UNLESS IT IS CLEARLY SPECIFIED.
15. CONNECTIONS TO THE EXISTING SEWER WILL BE IN ACCORDANCE WITH SECTION 104 APPROVAL GRANTED BY UNITED UTILITIES.

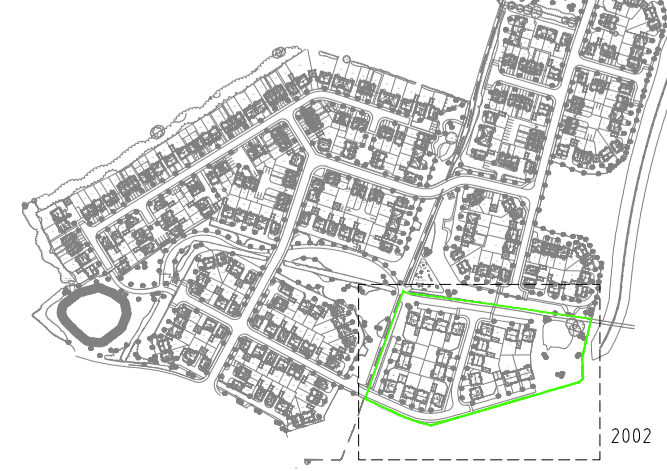
**KEY:**

- PROPOSED SW SEWER
- PROPOSED FW SEWER
- EXISTING SW SEWER
- EXISTING FW SEWER
- PROPOSED SW DRAGOUT
- PROPOSED FW DRAGOUT
- PROPOSED GULLY

**SURFACE WATER CATCHMENT ANALYSIS**

CONTRIBUTING AREA	PIPE NUMBER	AREA
	9.000	1157.1m <sup>2</sup>
	9.001	1766.2m <sup>2</sup>
	9.002	1181.4m <sup>2</sup>
	9.003	0.0m <sup>2</sup>
	9.004	174.9m <sup>2</sup>

**LAYOUT LOCATION**  
NOT TO SCALE



P01 06.11.23 PRELIMINARY - Issued for Information		H.S. R.A.
Rev	Date	Description
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Project Name: <b>LEE HALL WESTHOUGHTON</b>		
Client: <b>PERSIMMON HOMES</b>		
Designed	Drawn	Checked
H.S.	H.S.	R.A.
Drawing Title:		Scale @ A1
<b>CATCHMENT ANALYSIS</b>		<b>1:250</b>
Project No: <b>19358</b>		
Drawing No: <b>19358-EDGE-CC-XX-DR-C-2002 P01</b>		Revision: <b>2002</b>

**PRELIMINARY NOT FOR CONSTRUCTION**

FILENAME: PLOT DATE: 0mm 10 20 30 40 50