KEY:

- SW SEWER
- FW SEWER
- COMBINED SEWER
- HIGHWAY DRAIN
- SW DRAGOUT
- FW DRAGOUT
- EXISTING COMBINED SEWER

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 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 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 REINFORCED PVC-U PIPES COMPLYING WITH WIS 4-35-01 UP TO AND INCLUDING 300MM. PVC-U PIPES TO BE IN ACCORDANCE WITH B.S 4660:200 & B.S EN 1401-1.
7. PIPES GREATER THAN 900MMØ SHALL BE RIDGISTORM-XL.
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 CLASS S BED AND SURROUND.
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. CONNECTIONS TO THE EXISTING SEWER WILL BE IN ACCORDANCE WITH SECTION 104 APPROVAL GRANTED BY UNITED UTILITIES.

| Rev | Date | Description | By | Chk |
|---|---|---|---|---|
| P09 | 24.03.23 | Increased FFL for plots 6 and 7 | H.S | R.A |
| P08 | 20.03.23 | Updated to latest comments | J.W | R.A |
| P07 | 08.03.23 | Updated to latest site layout | J.W | R.A |
| P06 | 15.02.23 | Updated client information | H.S | R.A |
| P05 | 24.01.22 | Drainage updated in line with FFL and Road changes | J.C | R.A |
| P04 | 13.10.21 | Eastern gullies and hydrobrake updated | D.A | R.A |
| P03 | 19.05.21 | Re-designed to latest flow rate | D.A | R.A |
| P02 | 02.03.21 | Re-designed to latest revision of the site layout | J.C | R.A |


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DO NOT SCALE DRAWINGS. IF IN DOUBT, ASK!

Project Name
**VICTORIA AVENUE BLACKLEY**

Client
**JOHN SOUTHWORTH**

| Designed | Drawn | Checked | Scale @ A1 |
|---|---|---|---|
| R.A | J.C | R.A | 1:250 |

Drawing Title
**DRAINAGE LAYOUT**

Project No.
**19238**

**PRELIMINARY**
**NOT FOR CONSTRUCTION**

Drawing No.
**C2002**

Revision
**P09**

FILENAME:

PLOT DATE:

0 mm 10 20 30 40 50