

GENERAL NOTES

1. THE CONTRACTOR SHALL CHECK ALL THE INS FOR LINE AND LEVEL WITH EXISTING BEFORE COMMENCING ANY WORKS SHOULD ANY ERRORS BE FOUND, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY IN WRITING. IT IS ESSENTIAL THAT ALL PIPE CONNECTIONS ARE CHECKED FOR LINE, LEVEL AND DIAMETER PRIOR TO COMMENCING WORKS, AS DATA ON THESE PIPELINES HAS BEEN OBTAINED FROM A VARIETY OF SOURCES WHICH MAY NOT BE NECESSARILY ACCURATE OR COMPLETE.
2. THE DEPICTION OF ANY SERVICE APPARATUS ON THIS DRAWING HAS BEEN OBTAINED FROM THIRD PARTY SOURCES, AND IS NOT NECESSARILY ACCURATE OR COMPLETE. AT NO TIME DOES THE INFERRED POSITION ON THE DRAWING ABSOLVE THE CONTRACTOR FROM TAKING ALL NECESSARY STEPS TO LOCATE SERVICE PLANT IN ACCORDANCE WITH THE METHODS SUGGESTED BY THE RELEVANT AUTHORITY. STEPHEN DAYKIN CONSULTING LTD WILL ACCEPT NO CLAIMS WHATSOEVER IN RESPECT OF ANY LOSSES OR DAMAGE CAUSED IN RESPECT OF SUCH APPARATUS, HOWEVER CAUSED.
3. SEWERS TO BE CONSTRUCTED IN ACCORDANCE WITH THE W.S.A PUBLICATION DESIGN AND CONSTRUCTION GUIDANCE 2007 (DCG) AND RELEVANT WATER COMPANY AGREEMENTS.
4. ALL LATERAL DRAINAGE CONNECTIONS TO THE PUBLIC SEWER SHALL BE 150MM DIAMETER UNLESS OTHERWISE SPECIFIED.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXECUTE THE WORKS AT ALL TIMES IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE 1974 HEALTH AND SAFETY AT WORK ACT, AND THE 2015 CDM REGULATIONS. THE CONTRACTOR WILL BE DEEMED TO HAVE ALLOWED FOR FULL COMPLIANCE WITH THE SAME WITHIN HIS BATES, INCLUDING FULL LIAISON WITH THE PRINCIPAL DESIGNER.
6. FOR DETAILS OF CARRIAGEWAY CONSTRUCTION REFER TO THE 30 SERIES PROJECT DRAWINGS.
7. FOR DETAILS OF SEWER CONSTRUCTION REFER TO THE 40 SERIES PROJECT DRAWINGS.

DRAINAGE NOTES

1. ALL DRAINAGE OFFERED FOR ADOPTION HAS BEEN DESIGNED NOT TO ATTENUATE FLOWS IN EXCESS OF THE 120 YEAR RETURN STORM FLOOD.
2. A SECTION 106 CONNECTION APPLICATION WILL BE SOUGHT AND APPROVED PRIOR TO ANY CONNECTIONS TO THE PUBLIC NETWORK BEING MADE.
3. NO USE OF INFILL COVERS AND FRAMES IN ADOPTED BLOCK PAVED AREAS.
4. CATCHPITS SHALL NOT BE ADOPED.
5. EASEMENTS SIZE DEPENDENT ON ADOPTING AUTHORITY, PIPE SIZE AND DEPTH. SEE S104/S38 PLANS FOR DETAILS.
6. PROTECTIVE CONCRETE COVER SLABS TO BE USED ON PIPES IN NON TRAFFIC AREAS WHICH DO NOT EXCEED THE 120 YEAR RETURN STORM FLOOD COVER IN TRAFFIC AREA.
7. WHERE PIPES ARE CROSSING, PLASTIC MEMBRANE TO BE USED FOR PROTECTION TO ELIMINATE ANY CHANCES OF CROSS CONTAMINATION.
8. ALL MANHOLE COVERS TO BE 675X750MM COVER AND FRAME TO MAINTAIN A 150X150MM CLEAR OPENING TO THE SEWER. ALL MANHOLE COVERS TO BE BS EN 124 CLASS D400 AND EMBOSSED FW OR SW AS APPROPRIATE, WHERE APPLICABLE.
9. PRECAST CONCRETE MANHOLE RINGS WILL NOT BE CUT UNDER ANY CIRCUMSTANCES, OTHER OPTIONS ARE TO BUILD UP THE MANHOLE WITH CONCRETE OR BRICK WORK TO THE TOP OF THE PIPE.
10. ALL COVERS AND FRAMES TO BE KITEMARKED.
11. PIPES OF DIFFERENT DIAMETERS ENTERING MANHOLES SHOULD BE INSTALLED WITH SOFFITS AT THE SAME LEVEL.
12. THE OUTSIDE OF THE SEWER SHOULD BE IN THE CARRIAGEWAY (NOT THE FOOTWAY) AND BE AT LEAST 1M FROM THE KERB LINE. THE OUTSIDE EDGE OF THE MANHOLE SHOULD BE AT LEAST 0.5M FROM THE KERB LINE.
13. NON-DEGRADABLE MANHOLE COVERS TO BE Laid 300mm ABOVE TOP OF THE PIPE. RISING MAIN SHOULD BE LAID IN STRAIGHT LINES, WHERE BENDS ARE USED, THEY SHOULD BE PRE-FORMED AND SECURELY ANCHORED WITH THRUST BLOCKS, IF REQUIRED.

KEY:

- F1 — ADAPTABLE SECTION 104 FOUL SEWER AND MANHOLE
- S1 — ADAPTABLE SECTION 104 STORM SEWER AND MANHOLE
- S1 — ADAPTABLE SECTION 38 HIGH DRAIN AND MANHOLE
- STORM — FIRST OFF MANHOLE DEPTH LESS THAN 2M 450MM DIAMETER PPIC NON-MAN ENTRY SYSTEM
- FOUL — FIRST OFF MANHOLE DEPTH GREATER THAN 2M CONCRETE MANHOLE DIMENSIONED AS 2015 BUILDING REGULATIONS PART 1 TABLE 12 MIN 1200 DIAMETER AS SUBSCRIPT NOTE 7
- STORM — PEDESTRIAN DROPPED CROSSING COMPRISING 2ND DROPPER KERBS AND 2ND DROPPED KERBS WITH TACTILE PAVING

PIPE MATERIAL NOTES

1. ALL ADAPTABLE SEWERS 300MM DIAMETER AND LESS SHALL BE HDPE PIPE SYSTEMS TO BS EN14746 AND BEDDED IN ACCORDANCE WITH BS EN 1295.
2. ALL ADAPTABLE SEWERS OVER 300MM DIAMETER SHALL BE CONCRETE PIPES CLASS 150, TO EN 15193/BS 5911-1:2002. ALL CONCRETE MANHOLES SHALL BE TO BS EN 1917 AND BS5911-3.
3. ALL PIPE BEDDING SHALL BE CLASS 5 COMPLETE GRANULAR SURROUND UNLESS OTHERWISE SPECIFIED. REFER TO SEWER STANDARD CONSTRUCTION DETAILS FOR CONFIRMATION OF ACCEPTABLE AGGREGATE SIZES.
4. ADAPTABLE PLASTIC SEWER PIPES SHOULD BE TO BSI KITEMARKED CERTIFIED TO W8 4-B401.
5. SHOULD THE CONTRACTOR WISH TO CHANGE ANY MATERIAL, THIS WILL REQUIRE THE APPROVAL FROM THE ADOPTING AUTHORITY IN WRITING AND ANY PROPOSED CHANGE SHOULD SEEK APPROVAL PRIOR TO THE ORDERING OF ANY MATERIALS.

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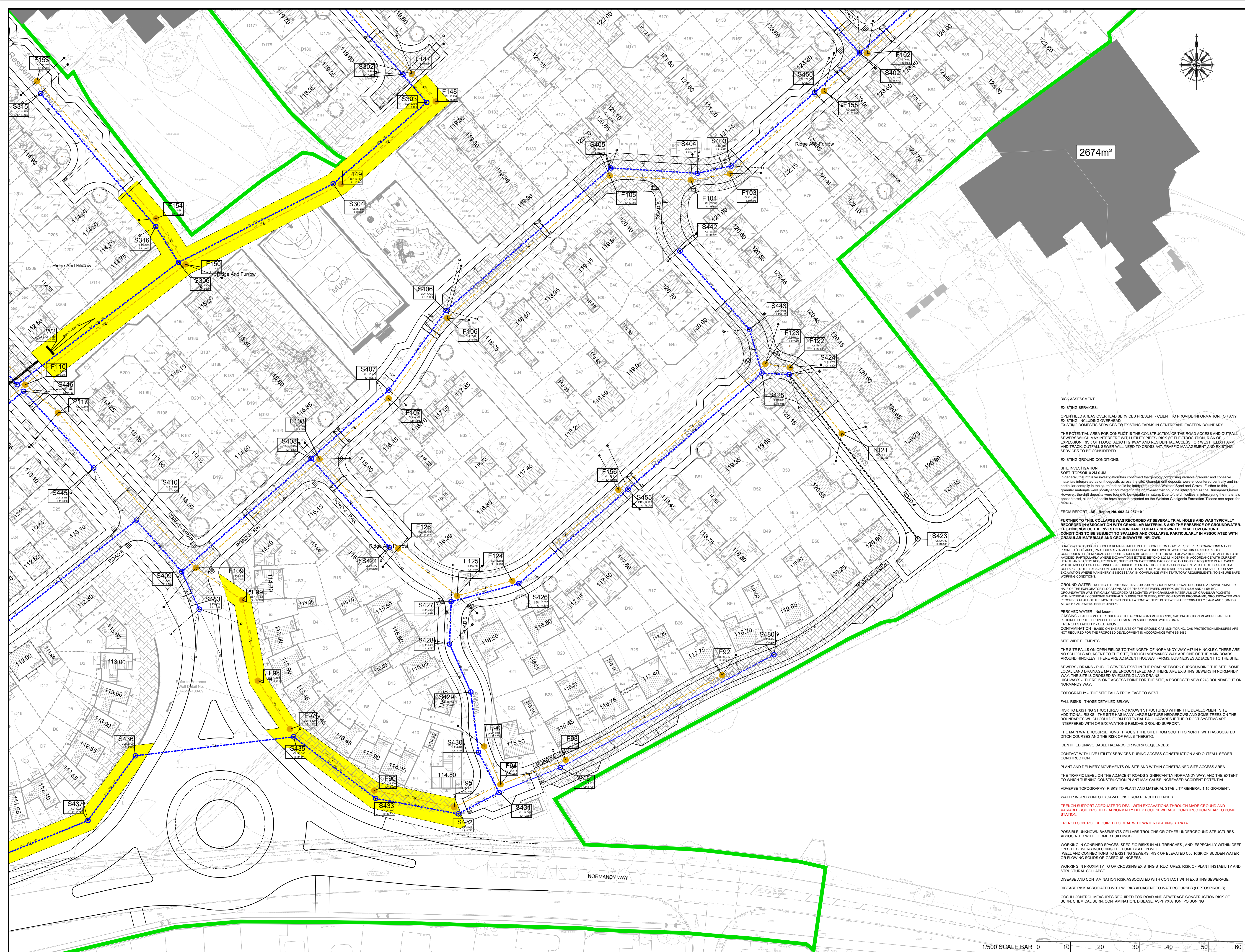
S104 LAYOUT

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