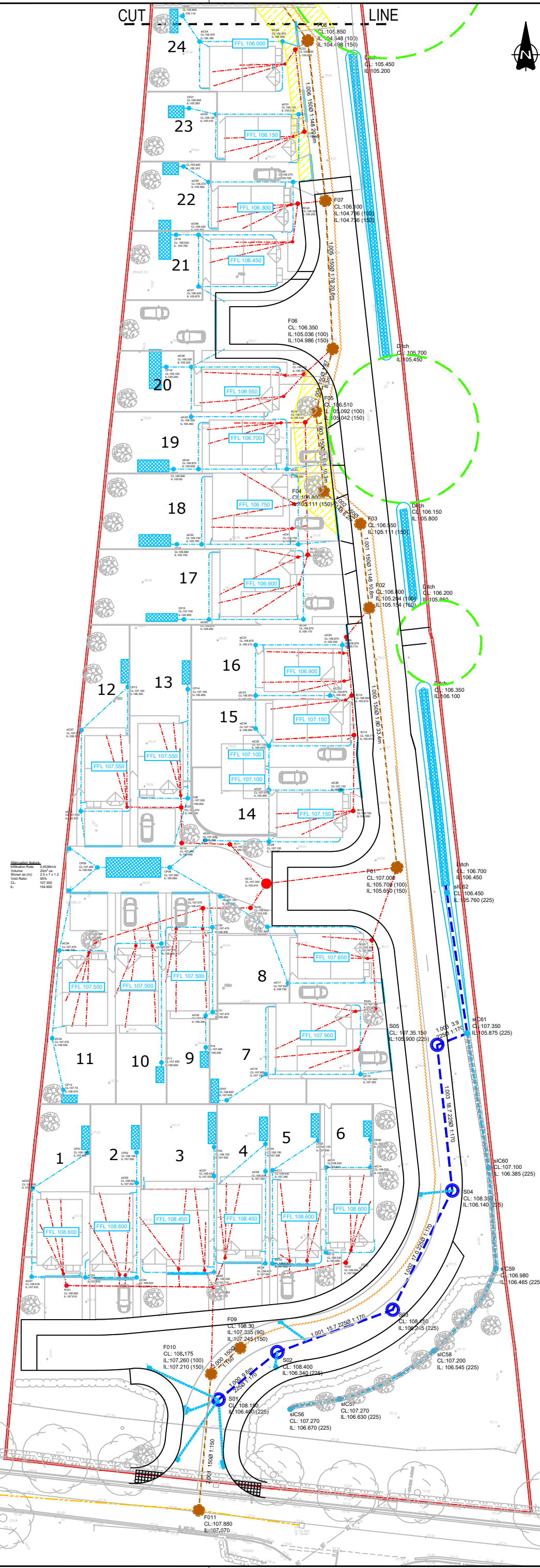
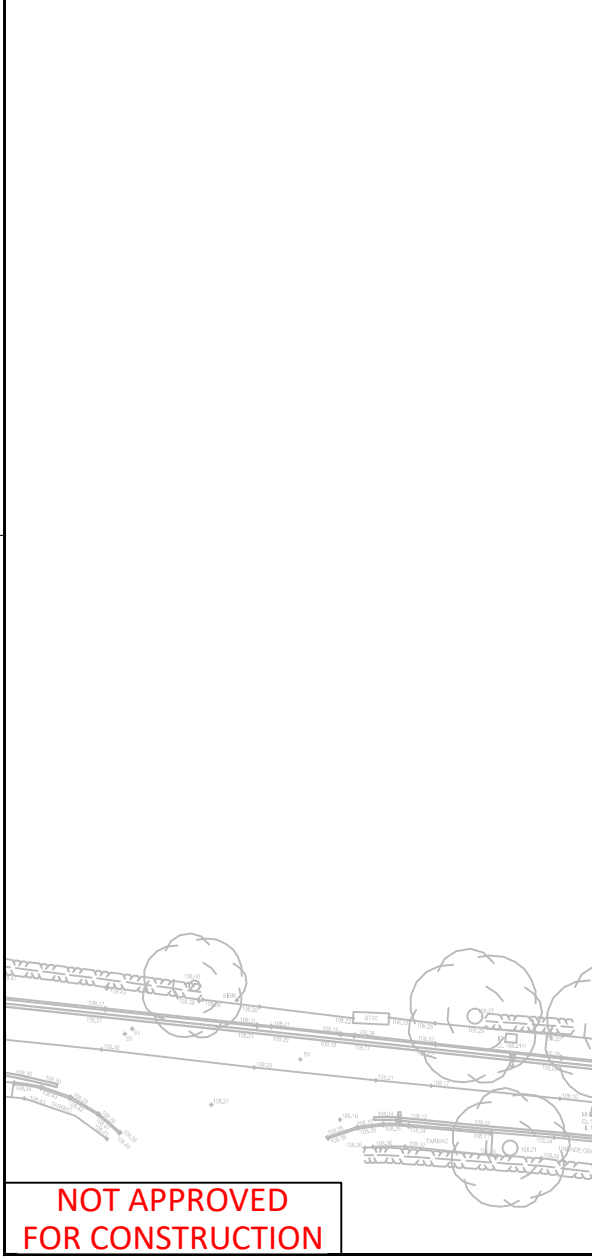
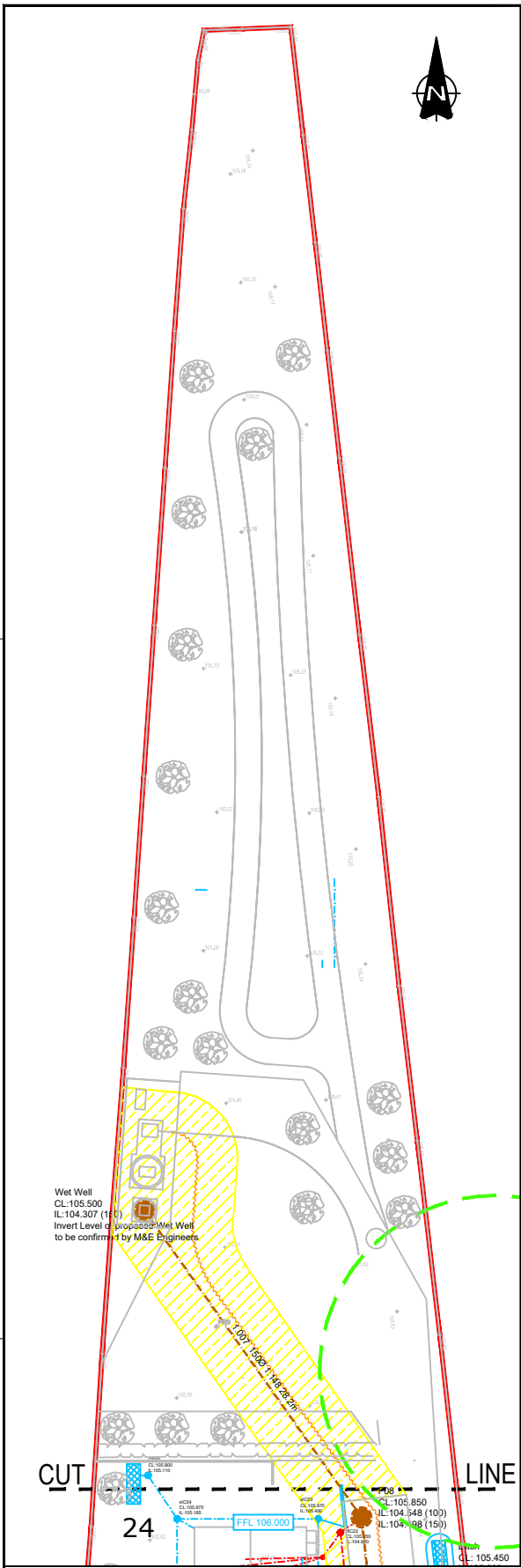




NOTES:

- DO NOT SCALE FROM THIS DRAWING.
- ALL LEVELS IN MAOD UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS IN METRES UNLESS OTHERWISE SPECIFIED.
- SCHEME LAYOUT FROM DS JONES & CO DRAWING 10349.03H.dwg DATED NOVEMBER 2018
- DRAINAGE WORKS ADAPTABLE BY DWY CYMRU SHALL COMPLY WITH THE WELSH MINISTERS STANDARDS FOR NEW GRAVITY FOUL SEWERS AND LATERAL DRAINS OR SEWERS FOR ADOPTION 7TH EDITION (SFA) AS APPROPRIATE.
- PRIVATE DRAINAGE WORKS SHALL COMPLY WITH THE BUILDING STANDARDS PART H.
- HIGHWAY DRAINAGE ADAPTABLE BY WREXHAM COUNTY BOROUGH COUNCIL SHALL COMPLY WITH HCD DETAILS AND SUCH WCBC REQUIREMENTS AS ARE RELEVANT.
- THE PRIVATE DRAINAGE LAYOUT IS SHOWN ON DRAWINGS 108287-100-002 to 005 DRAINAGE CONSTRUCTION DETAILS ARE SHOWN ON DRAWINGS 108287-510 to 512 LONGITUDINAL SECTIONS FOR THE TRUNK SEWERS ARE SHOWN ON DRAWINGS 108287-100-003
- MANHOLE COVER LEVELS ARE LISTED TO MATCH THE WEARING-COURSE FINISHED SURFACE. WHERE NEW ROADS ARE CONSTRUCTED ONLY TO BASE-COURSE, MAN-HOLE COVERS ARE TO BE SET TO MATCH (HOMI LOWER THAN SHOWN) UNLESS INSTRUCTED OTHERWISE.
- ALL MORTAR, IN-SITU OR PRECAST CONCRETE MUST USE SULPHATE-RESISTING PORTLAND CEMENT OR ALTERNATIVE AS PER CLAUSE E2.9 (SFA). THE BRE SD1 DS AND AG RATINGS FOR THIS SITE ARE TO BE CONFIRMED ON SITE.
- MANHOLE COVERS FOR ADOPTABLE MANHOLES IN ESTATE ROADS TO BE RATED AT D400 (TO BS EN124) AND KITE-MARKED. COVERS TO INSPECTION CHAMBERS IN DRIVEWAYS OR OTHER OFF-ROAD AREAS TO BE RATED AT B125 AND KITE-MARKED.
- ALL PRE-CAST CONCRETE MANHOLES TO BE TO BS EN1916:2002 / BS 5911-1:2002 AND KITE-MARKED.
- MANHOLE COVER FRAMES SHALL BE SEATED ON BETWEEN 2-4 COURSES OF CLASS B ENGINEERING BRICKWORK OR PRE-CAST CONCRETE SEATING RINGS TO REGULATE THE HEIGHT BETWEEN THE COVER SURFACE AND THE UNDERSIDE OF THE COVER SLAB. MORTAR TO COVER FRAMES SHALL BE A POLYESTER RESIN MORTAR (CL. E6.7, SFA) IN ALL ROADS EXCEPT RESIDENTIAL CUL-DE-SACS, FOR WHICH CEMENT/SAND (1:3) MORTAR MAY BE USED.
- MANHOLE COVERS AND ACCESS OPENINGS SHALL BE ORIENTED TO ENSURE ADEQUATE CHAMBER ACCESS IN RELATION TO THE MANHOLE'S INTERNAL LAYOUT.
- ALL VITRIFIED CLAY PIPES TO BE TO BS EN 205 AND KITE-MARKED. VC PIPE STRENGTH CLASS TO BE MINIMUM 34KNM IN ACCORDANCE WITH TABLE 5, BS EN295-1 FOR PIPES UP TO 150 DIA.
- ALL CONCRETE PIPES TO BE TO BS EN1916 AND BS5911-1 AND KITE-MARKED. CONCRETE PIPE STRENGTH TO BE CLASS 120 IN ACCORDANCE WITH TABLE 8 BS5911-1
- BEDDING FILL FOR TYPE S BED & SURROUND TO BE MIXED GRAVEL IN ACCORDANCE WITH WIS 4-08-01, SIZED AS BELOW:
- | PIPE DIA | AGGREGATE SIZE |
|----------|----------------|
| 150-225 | 5 - 14MM |
| 300-675 | 5 - 20MM |
| >675 | 5 - 40MM |
- SEWERS BENEATH ROADS TO BE BACKFILLED ABOVE THE BED & SURROUND WITH TYPE 1 OR TYPE 2 GRANULAR FILL LAID AND COMPACTED IN LAYERS NOT EXCEEDING 0.3M THICK UP TO THE UNDERSIDE OF THE ROAD CONSTRUCTION. SEWER LENGTHS BENEATH LANDSCAPED AREAS MAY BE BACKFILLED WITH SELECTED EXCAVATED FILL LAID AND COMPACTED IN LAYERS TO SUIT THE MATERIAL. SUBJECT TO THE ENGINEER'S PRIOR APPROVAL OF THE PROPOSED BACKFILL MATERIAL.

KEY

- SITE BOUNDARY
- EXISTING TOPOGRAPHICAL SURVEY
- PROPOSED KERB ALIGNMENT
- PROPOSED ROAD MARKINGS
- PLOT NUMBERS
- PROPOSED TACTILE PAVING
- ROOT PROTECTION AREA (RPA)
- STORAGE AND INFILTRATION
- FILTER DRAIN
- SEWER EASEMENT 3m EACH SIDE
- GULLY AND CONNECTION
- S104 RISING MAIN
- S104 FOUL WATER SEWER & MANHOLE INSPECTION CHAMBER
- HIGHWAY SURFACE WATER SEWER & MANHOLE INSPECTION CHAMBER
- PRIVATE SURFACE WATER SEWER
- PRIVATE FOUL WATER SEWER
- PRIVATE SOAKAWAY
- PROPOSED PRIVATE DRAINAGE LINEAR DRAIN

Rev	Date	Revision Details	Drawn	Checked	Approved
B	21.10.19	Plot 24 drainage update	GH	DEB	DEB
A	18.10.19	Update of linear drainage	NH	DEB	DEB

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Client: **EDWARDS HOMES**

Project: **STATION AVENUE, CHIRK WREXHAM**

File: **S38 DRAINAGE LAYOUT**

Drawn	Checked	Approved
NH	DEB	DEB

Original file size: A1 Date: 20.09.2019 Scale: 1:250

Drawing Status: FOR APPROVAL Drawing Number: 108287-500-001 Rev: B