



DO NOT SCALE

NOTES

CONNECTIONS

1. ALL SVP, RWP AND BIG CONNECTIONS ARE INDICATIVE AND MUST BE CONFIRMED BY ARCHITECT.

2. PIPE GRADIENTS OUT OF BUILDING TO CONNECTING MANHOLE TO BE LAID AN 1:40 IN ACCORDANCE WITH PART 4 OF THE 2002 BUILDING REGULATIONS. TABLE 6. ALL INVERTS TO SVP WITHIN 3 STOREY BUILDINGS MUST BE 750mm IN ACCORDANCE WITH BUILDING REGULATIONS.

PRIVATE DRAINAGE PIPEWORK

1. WHERE SURFACE AND FOUL WATER PIPE SIZES ARE NOT INDICATED THE DIAMETER IS TO BE Ø100 UNLESS STATED OTHERWISE.

2. WHERE SURFACE WATER PIPE GRADIENTS ARE NOT INDICATED A Ø100 PIPE IS TO BE LAID NO SHALLOWER THAN 1'100 AND A Ø150 PIPE IS TO BE LAID NO SHALLOWER THAN 1'150.

3. WHERE FOUL WATER PIPE GRADIENTS ARE NOT INDICATED A Ø100 PIPE IS TO BE LAID NO SHALLOWER THAN 1'80 WITH THE EXCEPTION OF THE FIRST CONNECTION THAT IS TO BE LAID AT 1:40. A Ø150 PIPE IS TO BE LAID NO SHALLOWER THAN 1'150.

INSPECTION CHAMBERS & MANHOLES

1. MANHOLE COVERS TO BE MARKED 'FWS' OR 'SWS' AS APPROPRIATE.

2. BRICKWORK TO MANHOLES TO BE ENGLISH BOND.

3. ALL MANHOLE COVERS AND FRAMES MUST COMPLY WITH BS EN124. COVERS IN ROADS TO BE GRADE D40 AND BE 150mm DEEP. MANHOLE COVERS IN CAR PARKING AREAS AND DRIVES TO BE GRADE B125. WHERE LANDSCAPED AREAS MAY BE GRADE A15. ALL TO BE PROVIDED IN ACCORDANCE WITH PART 4 OF BUILDING REGULATIONS 2002, TABLES 11 & 12.

4. PRECAST CONCRETE CHAMBER RINGS TO BE REINFORCED.

BACKDROPS

1. BACKDROPS IN THE PRIVATE MANHOLES / INSPECTION CHAMBERS TO BE INTERNAL.

2. BACKDROPS IN THE MAIN DRAINAGE SYSTEM BEING OFFERED FOR ADDITION ARE TO BE IN ACCORDANCE WITH SIAMBEF - FOR ADDITIONAL INFORMATION SEE DRAINAGE CONSTRUCTION DETAILS DRG.

BEDDING AND SURROUND

1. SEWERS LOCATED UNDER ADOPTED / PRIVATE ROADS TO BE CLASS 3 GRANULAR BED AND SURROUND WITH A MINIMUM OF 1.2m COVER. WHERE THIS CANNOT BE ACHIEVED A CLASS 2 CONCRETE BED AND SURROUND IS TO BE PROVIDED. - FOR ADDITIONAL INFORMATION SEE ROAD CONSTRUCTION DETAILS DRG.

2. PRIVATE SEWERS LOCATED UNDER LANDSCAPED AREAS OR DRIVEWAYS / CAR PARKING BAYS TO BE CLASS 3 GRANULAR BED AND SURROUND WITH A MINIMUM OF 0.6m COVER. WHERE THIS CANNOT BE ACHIEVED A CLASS 2 CONCRETE BED AND SURROUND IS TO BE PROVIDED. - FOR ADDITIONAL INFORMATION SEE LONGITUDINAL SECTIONS DRG. KN003 102.

SERVICES

1. ALL UNDERGROUND SERVICES TO BE CONFIRMED BY CONTRACTOR PRIOR TO COMMENCEMENT ON SITE. ANY DISCREPANCIES TO BE REPORTED TO ENGINEER.

IMPORTANT - ALL PROPOSED POINTS OF CONNECTION TO HAVE CONFIRMED CONNECTION INVERT LEVELS PRIOR TO CONSTRUCTION. DISCREPANCIES TO BE REPORTED TO SITE ENGINEER.

IMPORTANT - A SECTION 106 APPLICATION TO CONNECT MUST BE MADE TO DCWW. THE DEVELOPER SHALL GIVE 21 DAYS NOTICE PRIOR TO CONNECTION, AND THE WORKS MAY ONLY BE UNDERTAKEN BY A DCWW HEALTH AND SAFETY APPROVED CONTRACTOR.

IMPORTANT - CONSTRUCTION TO BE IN ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION AND THE REQUIREMENTS OF DCWW AS THE STATUTORY UNDERTAKER.

IMPORTANT:- CURRENT PROPOSED LEVELS ARE INDICATIVE SUBJECT TO TECHNICAL APPROVALS BY DCWW FOR MAIN SEWERS AND FLINTSHIRE COUNTY COUNCIL FOR HIGHWAYS.

LEGEND

- PROPOSED SURFACE WATER SEWERS
- PROPOSED FOUL WATER SEWERS
- EXISTING SURFACE WATER SEWER
- EXISTING FOUL WATER SEWER
- PROPOSED SURFACE WATER LATERAL DRAINS
- PROPOSED FOUL WATER LATERAL DRAINS
- PROPOSED SURFACE WATER PLOT DRAINAGE
- PROPOSED FOUL WATER PLOT DRAINAGE
- SITE BOUNDARY

REV	DATE	BY	DESCRIPTION	CHK
P1	31.07.14	SR	FIRST ISSUE	RA

DRAWING STATUS: **PRELIMINARY**

BETTS ASSOCIATES
CIVIL AND STRUCTURAL ENGINEERS
Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 Fax: 01244 288516 enquiries@betts-associates.co.uk

SG ESTATES
ARMED VETERANS HOUSING DEVELOPERS

PROJECT: **OLD FOUNDRY RHOSTYLLEN**

TITLE: **SECTION 104 LAYOUT**

DATE:	SCALE: @ SIZE:	DRAWN:	CHECKED:
31.07.14	1:200 @ A1	RA	SR

PROJECT No:	DRAWING No:	REV:
GHE 11	170	P1