

DRAWING LIST:

GENERAL ARRANGEMENT / DRAINAGE LAYOUT	1261-01
ROAD SETTING OUT	1261-02
ADAPTABLE SEWERS ARE IN ACCORDANCE WITH THOSE SET OUT IN	1261-03
MANHOLE DETAILS AND PLANS	1261-04
DRAINAGE DETAILS	1261-05
LONGITUDINAL SECTIONS	1261-06
LATERALS, PRIVATE DRAINAGE, EXTERNAL WORKS	1259-08
DRAINAGE SECTION 104 (AS 01, COLOURED TO WATER AUTHORITY)	1259-21
HIGHWAYS SECTION 38 (AS 01, COLOURED TO HIGHWAYS AUTHORITY)	1258-22

WELSH WATER NOTE:

THE DEVELOPER MUST SELF-VERIFY AND CERTIFY THAT THE DESIGN CRITERIA, MATERIAL STANDARDS AND WORKMANSHIP FOR THE ADAPTABLE SEWERS ARE IN ACCORDANCE WITH THOSE SET OUT IN THE REQUIREMENTS OF DOWM AS THE STATION UNDERLAYER. THE REQUIREMENTS OF DOWM AS THE STATION UNDERLAYER ONE 21 DAYS PRIOR TO CONNECTION. THE DEVELOPER SHALL THE WORKS MAY ONLY BE MADE BE AN SSP HEALTH & SAFETY APPROVED CONTRACTOR

DRAINAGE STATEMENT:

PROPOSED 20 RESIDENTIAL PROPERTIES ON GREENFIELD SITE, PROPOSED FOLL TO DRAIN TO EXISTING WELSH WATER SYSTEM IN CHESTNUT COURT

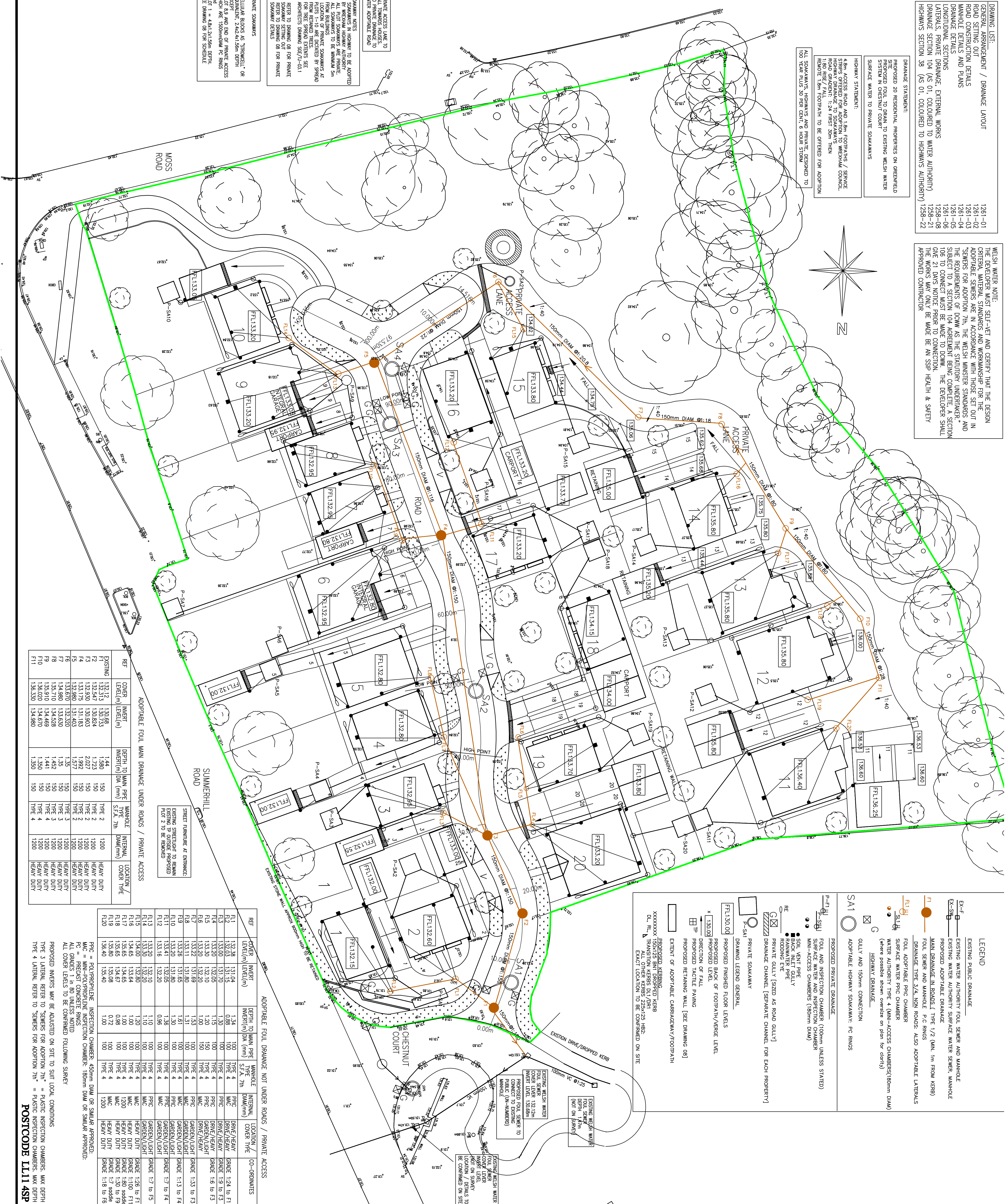
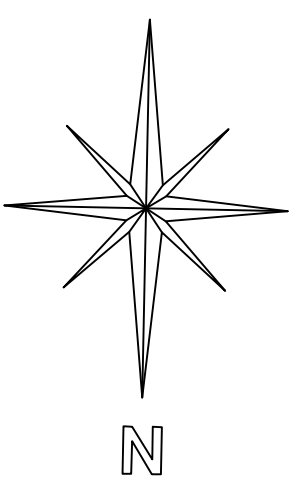
SURFACE WATER TO PRIVATE SOAKWAYS

HIGHWAY STATEMENT:

4.6m ACCESS ROAD AND 1.6m FOOTPATHS / SERVICE STRIPS OFFERED FOR ADOPTION TO WREXHAM COUNCIL. ROAD GRADIENT: 1:24 FIRST 30m THEN 1:80 RES / FALL

HEADSIDE 1.6m FOOTPATH TO BE OFFERED FOR ADOPTION

ALL SOAKWAYS, HIGHWAYS AND PRIVATE DESIGNED TO 100 YEAR PLUS 30 PER CENT, 6 HOUR STORM



LEGEND

EXISTING WATER AUTHORITY FOLL SINKER AND MANHOLE

EXISTING WATER AUTHORITY SURFACE WATER SINKER, MANHOLE

PROPOSED ADAPTABLE DRAINAGE

MAIN DRAINAGE IN ROAD, TYPE 1/2 (MIN 1m FROM KERB)

FOLL SINKER AND MANHOLE P.C. RINGS

DRAINAGE TYPE 3/4, NON ROADS, ALSO ADAPTABLE LATERALS

FOLL ADAPTABLE P.P.C. CHAMBER

SURFACE WATER P.P.C. CHAMBER

WATER AUTHORITY TYPE 4 (MINI-ACCESS CHAMBERS(80mm DIAM))

(where possible shown oversize on plan for duty)

HIGHWAY DRAINAGE

GULLY AND 150mm CONNECTION

ADAPTABLE HIGHWAY SOAKWAY: P.C. RINGS

PROPOSED PRIVATE DRAINAGE

FOLL AND INSPECTION CHAMBER (100mm UNLESS STATED)

SURFACE WATER AND INSPECTION CHAMBER

MINI-ACCESS CHAMBERS (180mm DIAM)

BACK VENT PIPE

SOIL VENT PIPE

ROOFING ETC

PRIVATE GULLY [SIZED AS ROAD GULLY]

DRAINAGE CHAMBER [SEPARATE CHANNEL FOR EACH PROPERTY]

PRIVATE SOAKWAY

P-SA1

DRAINAGE LEGEND GENERAL

FOLL 130.00

PROPOSED FINISHED FLOOR LEVELS

PROPOSED BACK OF FOOTPATH/VERGE LEVEL

PROPOSED LEVEL

DIRECTION OF FLOW

PROPOSED TACTILE PAVING

PROPOSED RETAINING WALL [SEE DRAWING 08]

EXTENT OF ADAPTABLE CARPARKWAY/FOOTPATH

PROPOSED KERNING

XXXXXXX 150mm DIA PROPOSED FOLL SINKER TO ROAD

ALL OTHER KERBS 225x225 H82

EXACT LOCATION TO BE CONFIRMED ON SITE

REF	COVER LEVEL(m)	INVERT LEVEL(m)	DEPTH TO MAIN PIPE INVERT(m) DIA (mm)	MANHOLE TYPE	INTERNAL DIA(mm)	LOCATION / COVER TYPE
F1	132.12	130.65	1.46	TYPE 2	1200	HEAVY DUTY
F2	132.54	130.82	1.72	TYPE 2	1200	HEAVY DUTY
F3	132.90	130.90	2.00	TYPE 2	1200	HEAVY DUTY
F4	133.17	131.83	1.34	TYPE 2	1200	HEAVY DUTY
F5	133.20	131.40	1.80	TYPE 2	1200	HEAVY DUTY
F6	133.20	131.40	1.80	TYPE 2	1200	HEAVY DUTY
F7	133.20	131.40	1.80	TYPE 2	1200	HEAVY DUTY
F8	133.20	131.40	1.80	TYPE 2	1200	HEAVY DUTY
F9	133.20	131.40	1.80	TYPE 2	1200	HEAVY DUTY
F10	133.20	131.40	1.80	TYPE 2	1200	HEAVY DUTY

REF	COVER LEVEL(m)	INVERT LEVEL(m)	DEPTH TO MAIN PIPE INVERT(m) DIA (mm)	MANHOLE TYPE	INTERNAL DIA(mm)	LOCATION / COVER TYPE
F1	132.12	131.04	1.08	TYPE 4	PPC	GRADE 124 TO F1
F2	132.54	131.15	1.39	TYPE 4	PPC	GRADE 124 TO F1
F3	132.90	131.70	1.20	TYPE 4	PPC	GRADE 124 TO F1
F4	133.20	132.05	1.15	TYPE 4	PPC	GRADE 124 TO F1
F5	133.20	132.05	1.15	TYPE 4	PPC	GRADE 124 TO F1
F6	133.20	132.05	1.15	TYPE 4	PPC	GRADE 124 TO F1
F7	133.20	132.05	1.15	TYPE 4	PPC	GRADE 124 TO F1
F8	133.20	132.05	1.15	TYPE 4	PPC	GRADE 124 TO F1
F9	133.20	132.05	1.15	TYPE 4	PPC	GRADE 124 TO F1
F10	133.20	132.05	1.15	TYPE 4	PPC	GRADE 124 TO F1

NOTES

Planning layout information taken from Drawing Number SE1/17M-03 March 2015.

Survey information taken from Drawing Number PMS 14022

Revision B, dated 7 August 2015, to O.S. Datum

GENERAL DRAINAGE NOTES

1. Workmanship to comply with BS 8000: Part 1: 1989.
2. All concrete shall comply with BS 5328: 1991. Contractor shall produce and comply with a Safety Method Statement to the approval of the Water Authority.
3. Before the commencement of any sewerage works, the Contractor shall check the invert levels of the existing pipes and manholes to which new sewers are to be connected. Information from the Client representative of any discrepancies should be reported to the Client representative of any discrepancies.
4. Should there be a significant deviation from the assumed positions or levels then the Client representative of any discrepancies should be reported to the Client representative of any discrepancies.
5. Flows in existing sewers, drains and ditches shall be diverted to the proposed sewerage system. The Contractor shall submit his detailed proposals for maintaining and/or diverting flows to client representative and Local Authority for approval.
6. Structural concrete including precast concrete products, shall be used for all structures. The Contractor shall ensure that all structures are constructed to the required standard. Where existing sewers are to be abandoned, they shall be dug up and the excavation backfilled with selected fill Type B in accordance with Sewers for Adoption. Where sewers are to be abandoned run underneath proposed foundations, the method shall be subject to the approval of the engineer.
7. Bedding to be in accordance with Sewers for Adoption 7th CI E2.25, E5.2, E5.4.
8. MINIMUM COVER REQUIRED TO CROWN FOR ADAPTABLE DRAINAGE: Domestic gardens and paths 0.35m Driveways, light parking 0.5m Driveways, light parking 0.9m Public open space 1.2m Roads 1.2m Cover less than this require protection. See drawing 1261-05 details in accordance with Sewers for Adoption 7th CI E2.32
9. CHAMBERS AND MANHOLES to be in accordance with Sewers for Adoption 7th CI E2.32

CONTRACTOR TO ENSURE THAT THE UPVC PIPES MEET WELSH WATER ADAPTABLE STANDARDS.

POLYPROPYLENE RIGID PIPES DOES NOT COMPLY POLYPROPYLENE RIGID-SEWER DOES COMPLY

PIPES TO BE LAID IN 3m Lengths, OR 10 X DIAMETER

TO BE CONFIRMED: CHANNEL LOCATIONS PRIVATE LEVELS:

ALL EXISTING INVERTS TO BE CONFIRMED ON SITE

KANE DESIGN
Civil Engineering Design
Tel: 01 978 555888

S.G. ESTATES Ltd

PROPOSED DEVELOPMENT at CHESTNUT COURT, SUMMERHILL, WREXHAM

DRAINAGE LAYOUT SECTION 104

DRAWING NUMBER: 1261-21

SCALE: 1:250

DATE: 14/09/15

REVISION: B

CHECKED: AK