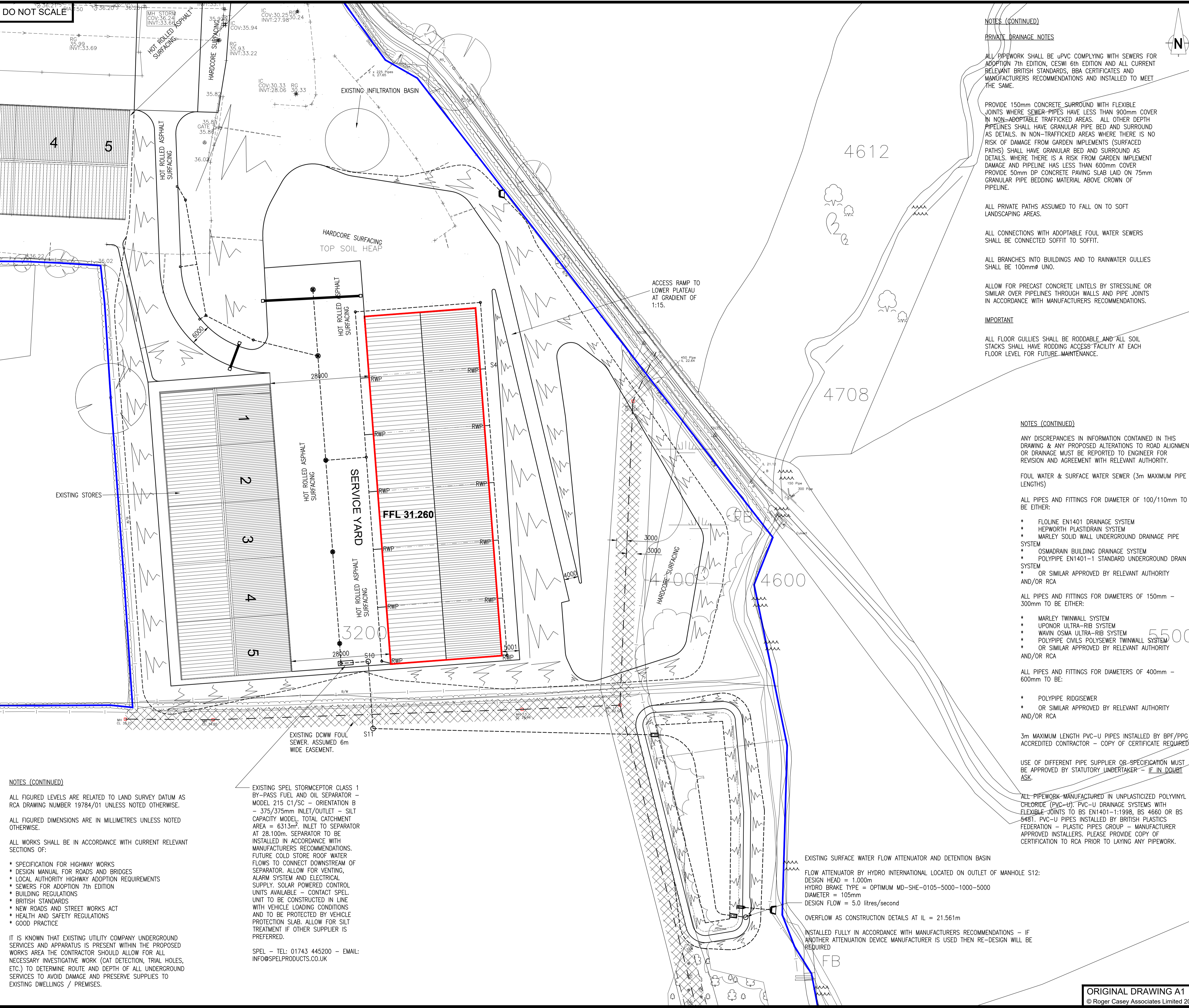
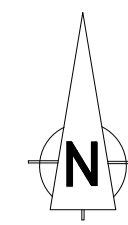


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DO NOT SCALE



NOTES (CONTINUED)

PRIVATE DRAINAGE NOTES

ALL PIPEWORK SHALL BE UPVC COMPLYING WITH SEWERS FOR ADOPTION 7th EDITION, CESWI 6th EDITION AND ALL CURRENT RELEVANT BRITISH STANDARDS, BBA CERTIFICATES AND MANUFACTURERS RECOMMENDATIONS AND INSTALLED TO MEET THE SAME.

PROVIDE 150mm CONCRETE SURROUND WITH FLEXIBLE JOINTS WHERE SEWER PIPES HAVE LESS THAN 900mm COVER IN NON-ADOPTABLE TRAFFICKED AREAS. ALL OTHER DEPTH PIPELINES SHALL HAVE GRANULAR PIPE BED AND SURROUND AS DETAILS. IN NON-TRAFFICKED AREAS WHERE THERE IS NO RISK OF DAMAGE FROM GARDEN IMPLEMENTS (SURFACED PATHS) SHALL HAVE GRANULAR BED AND SURROUND AS DETAILS. WHERE THERE IS A RISK FROM GARDEN IMPLEMENT DAMAGE AND PIPELINE HAS LESS THAN 600mm COVER PROVIDE 50mm DP CONCRETE PAVING SLAB LAID ON 75mm GRANULAR PIPE BEDDING MATERIAL ABOVE CROWN OF PIPELINE.

ALL PRIVATE PATHS ASSUMED TO FALL ON TO SOFT LANDSCAPING AREAS.

ALL CONNECTIONS WITH ADOPTABLE FOUL WATER SEWERS SHALL BE CONNECTED SOFFIT TO SOFFIT.

ALL BRANCHES INTO BUILDINGS AND TO RAINWATER GULLIES SHALL BE 100mmØ UNO.

ALLOW FOR PRECAST CONCRETE LINTELS BY STRESSLINE OR SIMILAR OVER PIPELINES THROUGH WALLS AND PIPE JOINTS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

IMPORTANT

ALL FLOOR GULLIES SHALL BE RODDABLE AND ALL SOIL STACKS SHALL HAVE RODDING ACCESS FACILITY AT EACH FLOOR LEVEL FOR FUTURE MAINTENANCE.

NOTES (CONTINUED)

ANY DISCREPANCIES IN INFORMATION CONTAINED IN THIS DRAWING & ANY PROPOSED ALTERATIONS TO ROAD ALIGNMENT OR DRAINAGE MUST BE REPORTED TO ENGINEER FOR REVISION AND AGREEMENT WITH RELEVANT AUTHORITY.

FOUL WATER & SURFACE WATER SEWER (3m MAXIMUM PIPE LENGTHS)

ALL PIPES AND FITTINGS FOR DIAMETER OF 100/110mm TO BE EITHER:

- \* FLOLINE EN1401 DRAINAGE SYSTEM
- \* HEPWORTH PLASTIDRAIN SYSTEM
- \* MARLEY SOLID WALL UNDERGROUND DRAINAGE PIPE SYSTEM
- \* OSMADRAIN BUILDING DRAINAGE SYSTEM
- \* POLYPIPE EN1401-1 STANDARD UNDERGROUND DRAIN SYSTEM
- \* OR SIMILAR APPROVED BY RELEVANT AUTHORITY AND/OR RCA

ALL PIPES AND FITTINGS FOR DIAMETERS OF 150mm - 300mm TO BE EITHER:

- \* MARLEY TWINWALL SYSTEM
- \* UPONOR ULTRA-RIB SYSTEM
- \* WAVIN OSMIA ULTRA-RIB SYSTEM
- \* POLYPIPE CIVILS POLYSEWER TWINWALL SYSTEM
- \* OR SIMILAR APPROVED BY RELEVANT AUTHORITY AND/OR RCA

ALL PIPES AND FITTINGS FOR DIAMETERS OF 400mm - 600mm TO BE:

- \* POLYPIPE RIDGISEWER
- \* OR SIMILAR APPROVED BY RELEVANT AUTHORITY AND/OR RCA

3m MAXIMUM LENGTH PVC-U PIPES INSTALLED BY BPF/PPG ACCREDITED CONTRACTOR - COPY OF CERTIFICATE REQUIRED.

USE OF DIFFERENT PIPE SUPPLIER OR SPECIFICATION MUST BE APPROVED BY STATUTORY UNDERTAKER - IF IN DOUBT ASK.

ALL PIPEWORK MANUFACTURED IN UNPLASTICIZED POLYVINYL CHLORIDE (PVC-U). PVC-U DRAINAGE SYSTEMS WITH FLEXIBLE JOINTS TO BS EN1401-1:1998, BS 4660 OR BS 5481. PVC-U PIPES INSTALLED BY BRITISH PLASTICS FEDERATION - PLASTIC PIPES GROUP - MANUFACTURER APPROVED INSTALLERS. PLEASE PROVIDE COPY OF CERTIFICATION TO RCA PRIOR TO LAYING ANY PIPEWORK.

EXISTING SURFACE WATER FLOW ATTENUATOR AND DETENTION BASIN

FLOW ATTENUATOR BY HYDRO INTERNATIONAL LOCATED ON OUTLET OF MANHOLE S12:  
DESIGN HEAD = 1.000m  
HYDRO BRAKE TYPE = OPTIMUM MD-SHE-0105-5000-1000-5000  
DIAMETER = 105mm  
DESIGN FLOW = 5.0 litres/second

OVERFLOW AS CONSTRUCTION DETAILS AT IL = 21.561m

INSTALLED FULLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS - IF ANOTHER ATTENUATION DEVICE MANUFACTURER IS USED THEN RE-DESIGN WILL BE REQUIRED

NOTES (CONTINUED)

ALL FIGURED LEVELS ARE RELATED TO LAND SURVEY DATUM AS RCA DRAWING NUMBER 19784/01 UNLESS NOTED OTHERWISE.

ALL FIGURED DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

ALL WORKS SHALL BE IN ACCORDANCE WITH CURRENT RELEVANT SECTIONS OF:

- \* SPECIFICATION FOR HIGHWAY WORKS
- \* DESIGN MANUAL FOR ROADS AND BRIDGES
- \* LOCAL AUTHORITY HIGHWAY ADOPTION REQUIREMENTS
- \* SEWERS FOR ADOPTION 7th EDITION
- \* BUILDING REGULATIONS
- \* BRITISH STANDARDS
- \* NEW ROADS AND STREET WORKS ACT
- \* HEALTH AND SAFETY REGULATIONS
- \* GOOD PRACTICE

IT IS KNOWN THAT EXISTING UTILITY COMPANY UNDERGROUND SERVICES AND APPARATUS IS PRESENT WITHIN THE PROPOSED WORKS AREA THE CONTRACTOR SHOULD ALLOW FOR ALL NECESSARY INVESTIGATIVE WORK (CAT DETECTION, TRIAL HOLES, ETC.) TO DETERMINE ROUTE AND DEPTH OF ALL UNDERGROUND SERVICES TO AVOID DAMAGE AND PRESERVE SUPPLIES TO EXISTING DWELLINGS / PREMISES.

EXISTING SP&L STORMCEPTOR CLASS 1 BY-PASS FUEL AND OIL SEPARATOR - MODEL 215 C1/SC - ORIENTATION B - 375/375mm INLET/OUTLET - SILT CAPACITY MODEL, TOTAL CATCHMENT AREA = 6313m². INLET TO SEPARATOR AT 28.100m. SEPARATOR TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. FUTURE COLD STORE ROOF WATER FLOWS TO CONNECT DOWNSTREAM OF SEPARATOR. ALLOW FOR VENTING, ALARM SYSTEM AND ELECTRICAL SUPPLY. SOLAR POWERED CONTROL UNITS AVAILABLE - CONTACT SP&L UNIT TO BE CONSTRUCTED IN LINE WITH VEHICLE LOADING CONDITIONS AND TO BE PROTECTED BY VEHICLE PROTECTION SLAB. ALLOW FOR SILT TREATMENT IF OTHER SUPPLIER IS PREFERRED.

SP&L - TEL: 01743 445200 - EMAIL: INFO@SP&LPRODUCTS.CO.UK

NOTES:

THE PROPERTY OF THIS DRAWING AND DESIGN IS VESTED IN ROGER CASEY ASSOCIATES AND MUST NOT BE COPIED OR REPRODUCED IN ANY WAY WITHOUT THE WRITTEN CONSENT OF ROGER CASEY ASSOCIATES.

THE CONTRACTOR IS TO CHECK ALL LEVELS AND DIMENSIONS BEFORE WORK COMMENCES, AND ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO THE CONSULTANTS.

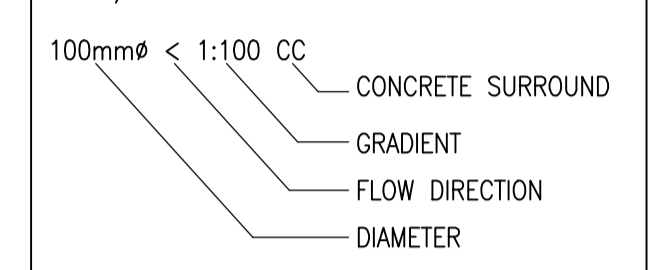
WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALING.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ROGER CASEY ASSOCIATES DRAWINGS AND SPECIFICATIONS AND ALL OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS RELATING TO THIS PROJECT.

KEY

- SURFACE WATER SEWER
- S1 - SURFACE WATER MANHOLE AND REFERENCE
- ⊕ G - SURFACE WATER CATCHPIT MANHOLE WITH GRATING

DRAIN/SEWER PIPE DEFINITIONS:



FOUL WATER DRAINAGE MUST BE LAID AT A MAXIMUM GRADIENT OF 1:5 AND A MINIMUM GRADIENT OF 1:80 WHERE AT LEAST 1 WC OR 10 OR LESS DWELLINGS ARE CONNECTED, WHERE 11 DWELLINGS OR MORE ARE CONNECTED THE MINIMUM SEWER GRADIENT SHALL BE 1:150 - ALL SUBJECT TO RCA DESIGN

REV	DESCRIPTION	DRAWN	CHECK	DATE

DRAWING STATUS: PLANNING



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CLIENT: **PUFFIN PRODUCE LTD**

PROJECT: **BOX SHED FOR PUFFIN PRODUCE WITHYBUSH INDUSTRIAL ESTATE HAVERFORDWEST, PEMBS.**

DRAWING TITLE: **PROPOSED SITE BLOCK PLAN**

DRAWN BY: PWJL	DESIGN BY: PWJL	CHECKED BY: RSC	DATE: 09/06/21
SCALES: 1:500	DRAWING No: 21110/P3	REVISION:	

ORIGINAL DRAWING A1  
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