

CLEGGARS PARK

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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.

THE CONTRACTOR IS EXPECTED TO SUPPLY AND DO EVERYTHING NECESSARY FOR THE PROPER EXECUTION OF THE WORKS THAT MAY BE REASONABLY INFERRED FROM THE DRAWINGS AND SPECIFICATION, WHETHER REFERRED TO IN DETAIL OR NOT, WITHOUT EXTRA PAYMENT IN RESPECT THEREOF.

ALL FIGURED LEVELS ARE RELATED TO LAND SURVEY DATUM AS ICA DRAWING NUMBER JOB NUMBER/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
- LOCAL AUTHORITY SAB APPROVAL AND 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.

ALL REDUNDANT SERVICES AND DRAINAGE INFRASTRUCTURE ARE TO BE GRUBBED UP

PRIVATE DRAINAGE NOTES

ALL PIPEWORK SHALL BE 100% COMPLYING WITH SEWERS FOR ADOPTION 7th EDITION, CSWJ 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-ADAPTABLE TRAFFICED AREAS. ALL OTHER DEPTH PIPELINES SHALL HAVE GRANULAR PIPE BED AND SURROUND AS DETAILS IN NON-TRAFFICED 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 LAD ON 75mm GRANULAR PIPE BEDDING MATERIAL ABOVE CROWN OF PIPELINE.

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:

- JUP ULTRA3 UNDERGROUND DRAINAGE SYSTEM.
- MARLEY SOLID WALL UNDERGROUND DRAINAGE PIPE SYSTEM.
- POLYPIPE CHALS POLYSEWER SYSTEM.
- POLYPIPE EN1401-1 STANDARDS UNDERGROUND DRAIN SYSTEM.
- OR SIMILAR APPROVED BY RELEVANT AUTHORITY AND/OR RCA.

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

- JUP ULTRA3 UNDERGROUND DRAINAGE SYSTEM.
- MARLEY QUANTUM SEWER SYSTEM.
- POLYPIPE CHALS POLYSEWER SYSTEM.
- WAVIN OSMA ULTRA-RIB SYSTEM.
- 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, PIPE LENGTH OR SPECIFICATION MUST BE APPROVED BY THE STATUTORY UNDERTAKER - E IN DDOBT ASK.

WHERE SPECIFIED AS PLASTIC CHAMBERS ON RCA CHAMBER SCHEDULES CHAMBERS MUST COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL* (* TO BE AGREED WITH ADOPTING AUTHORITY). CHAMBERS TO BE EITHER JUP AXED INSPECTION CHAMBER SYSTEM, POLYPIPE POLYSEWER INSPECTION CHAMBER SYSTEM, OSMA INSPECTION CHAMBER SYSTEM, BRETT MARTIN ADOPTABLE CHAMBERS OR SIMILAR APPROVED BY RELEVANT AUTHORITY AND/OR RCA - CHAMBER SPECIFICATION MUST BE SUITABLE FOR PIPE DIAMETER, BURIAL DEPTH, LOCATION AND COVER LOADING - E IN DDOBT ASK.



EXISTING HIGHWAY GULLIES TO CONNECT TO PROPOSED SURFACE WATER SEWER. EXISTING PIPEWORK TO BE GROUTED/GRUBBED UP

DWELLING ROOFS TO BE CONVEYED INDIVIDUALLY TO DESIGNATED PARKING BAYS TO AVOID REQUIREMENT FOR ADOPTION

DOUBLE CARAGES TO DRAIN ON BOTH GABLES TO AVOID THE REQUIREMENT OF ADOPTION

ROADSIDE SNALES TO CAPTURE AND TREAT HIGHWAY RUNOFF PRIOR TO DISCHARGING INTO SURFACE WATER SEWER

2m WIDE IMPERMEABLE SERVICE TRENCHES TO ACCOMMODATE INCOMING SERVICES AND OUTGOING FOUL DRAINAGE

CELLULAR STORAGE 50.4m x 15.6m x 1m DEEP CELLULAR STORAGE SOAKAWAY BASE LEVEL SET AT 19.500m INFILTRATION RATE 4.4x10⁻⁶m/s FRACTURED Limestone TO BE FULLY EXPOSED OVER WHOLE AREA OF SOAKAWAY BASE WITH LEVELS TO BE MADE UP USING SUBBASE TYPE 3

INFILTRATION BASIN SITED OUTSIDE FLOOD AREA BASE LEVEL - 21.250m TOP OF STORAGE LEVEL - 21.750m FREEBOARD - 300mm 3m WIDE BERM LEVEL - 22.000m MAXIMUM VOLUME - 332m³ INFILTRATION RATE - 4.4x10⁻⁶m/s SIDE SLOPES - 1 IN 5 WATER DEPTH IN 1 IN 30 - 0mm WATER DEPTH IN 1 IN 100+400CC - 414mm

GROUND LEVELS EAST OF PROPOSED BASIN BELOW 22m AOD TO REMAIN AS EXISTING +1 IN 12

10m SOAKAWAY OFFSET ZONE FOR STRUCTURES

SURFACE WATER KEY PRIVATE SURFACE WATER SEWER SH/HDWAY ADOPTABLE SURFACE WATER SEWER PERFORATED PIPE POROUS PARKING BAYS HDWAY SNALES HDWAY SNALES DIFFUSER UNIT 20mm ORIFICE CHAMBER CELLULAR STORAGE HEADWALL UNIT PERMEABLE PAVING SUB-BASE LEVEL RODDING EYE HDWAY GULLY SNALE GULLY OUTLET SNALE KERB INLET

DRAIN/SEWER PIPE DEFINITIONS: 100mm < 1/100 CC CONCRETE SURROUND GRADIENT FLOW DIRECTION DIAMETER

DRAWING STATUS			
PLANNING			
Roger Casey Associates Consulting Civil & Structural Engineers			
Ty Mansel, 6 Mansel Street, Carmarthen, Carmarthenshire SA31 1PX T: 01267 222 646 Units 10 & 11, Merlin's Court, Which Lane, Haverfordwest, Pembrokeshire SA61 1SB T: 01437 762 795 E: office@rca-eng.co.uk W: www.rca-eng.co.uk			
CLIENT: ATEB GROUP			
ARCHITECT: HAMMOND ARCHITECTURE			
PROJECT: Residential Development South of CLEGGARS PARK, LAMPHEY, PEMBROKESHIRE, SA71 5JY			
DRAWING TITLE: ENGINEERING SITE PLAN SuDS			
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