

| Rev | Amendments | Date | By |
|-----|------------|------|----|
|     |            |      |    |

**NOTES**  
 1. SITE GRID AND LEVELS ARE BASED UPON ORDNANCE SURVEY VIA THE ACTIVE GPS NETWORK.  
 Do not scale this drawing.  
 This drawing is copyright.

**KEY - UTILITY SURVEY**

|     |                         |
|-----|-------------------------|
| --- | POWER                   |
| --- | DRAINAGE                |
| --- | GAS                     |
| --- | BRITISH TELECOM/COMMS   |
| --- | WATER                   |
| --- | UNKNOWN SERVICE         |
| --- | UNABLE TO TRACE         |
| --- | UNABLE TO TRACE FURTHER |
| --- | ASSUMED ROUTE           |
| --- | AREA OF CONCERN         |
| --- | PIPE INTO GROUND        |
| --- | UNABLE TO LIFT          |
| --- | DEPTH TO SERVICE        |
| --- | BLOCKED                 |

**KEY - TOPOGRAHICAL SURVEY**

|         |                           |
|---------|---------------------------|
| TS      | TRAFFIC SIGNAL            |
| PSB     | POST BOX SQUARE           |
| PR      | POST BOX ROUND            |
| GR      | GRILL SQUARE              |
| OR      | ORILL ROUND               |
| BL      | BOLLARD                   |
| BR      | BRUSH BEACON              |
| RS      | ROAD SIGN                 |
| SS      | SIGN                      |
| SP      | STREET NAMEPLATE          |
| TS      | TRAFFIC SIGNAL            |
| TSC     | TRAFFIC SIGNAL CONTROLLER |
| IC      | INSPECTION COVER          |
| MH      | MANHOLE                   |
| MP      | MARKER POST               |
| TP      | TELEPHONE POLE            |
| LC      | LIGHTING COLUMN           |
| G       | GULLY                     |
| WM      | WATER METER               |
| SV      | SLUCE VALVE               |
| ST      | STOP TAP                  |
| FR      | FIRE HYDRANT              |
| BT      | BRITISH TELECOM           |
| CTV     | CABLE TV                  |
| TV      | CABLE TV                  |
| GV      | GAS VALVE                 |
| BR      | BRICK WALL                |
| BL      | BLOCK WALL                |
| ST      | STONE WALL                |
| HT      | HEDGEROW/TREE CANOPY      |
| 20 FT W | FENCE                     |
| 20 FT W | DROPPED KERB              |

**UNDERGROUND SERVICES**

1) Although every effort has been made to trace underground services using radio detection, no guarantee can be given that all utilities have been found. Due to their non-conductivity it may not have been possible to trace certain types of plastic service pipes (e.g. Gas & Water).

2) Service trial holes are recommended prior to excavation.

3) In the absence of evidence to the contrary, the routes of confirmed manhole connections are assumed to be direct and straight.

4) Underground service information should be read in conjunction with latest statutory drawings.

5) Please note that it is illegal to lift telecommunications covers in public areas. Their routes can be ascertained by contacting the relevant statutory authorities. Any broken or damaged manholes were not lifted by Alpine Land Surveyors Ltd.

6) It is not possible to trace plastic pipes by radio detection e.g. Gas/Water, fibre optic cables or pipes of less than 100mm in diameter. The electronic detection of sewers will apply to live metallic pipes/cables that are conductive to the ground.

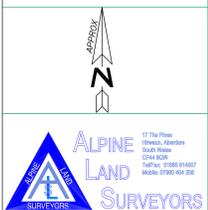
7) As an alternative GPR techniques can be employed at additional cost in an attempt to locate services not detectable by radio detection. All findings are subject to retrieval of clear signals.

8) GPR Reflections / Ground Radar

The material surrounding and particularly above buried services can affect whether the services can be located using GPR. Reinforced concrete buried metallic objects, the presence of moisture or clay, and changes in the material construction can lead to poor data resolution.

As we have no information with respect to the material overlying ANY services the GPR method can only give a guaranteed accuracy of 50%. Depth results using GPR are typically accurate to within 10% with a horizontal accuracy of 100mm.

These figures will vary as the velocity of the ground is assumed at 80m/s. The results of the GPR survey should be treated with caution as there is no guarantee that any service shown actually exists, only a possibility that something can be seen on the screen.



**CLIENT**  
 CARMARTHENSIRE COUNTY COUNCIL

**PROJECT**  
 UTILITY SURVEY AT Fford Pendre, Carmarthen West

|                                |                |
|--------------------------------|----------------|
| Scale: 1:250@A0                | Date: 30.04.21 |
| Drawn: OZ                      | Checked: TC    |
| Project Reference No: ALS/3576 |                |
| Drawing Number: CCC/FP/002     |                |