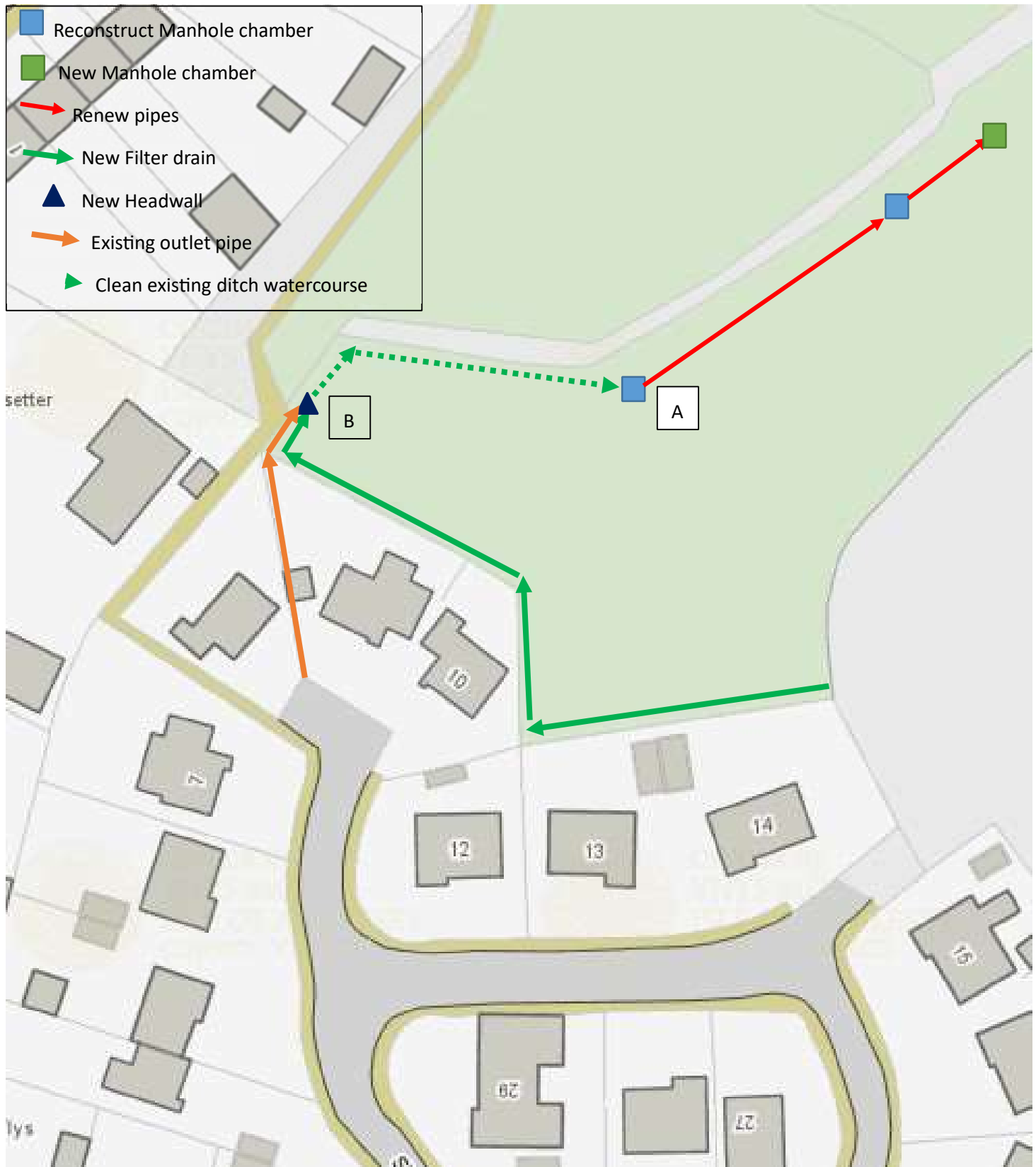


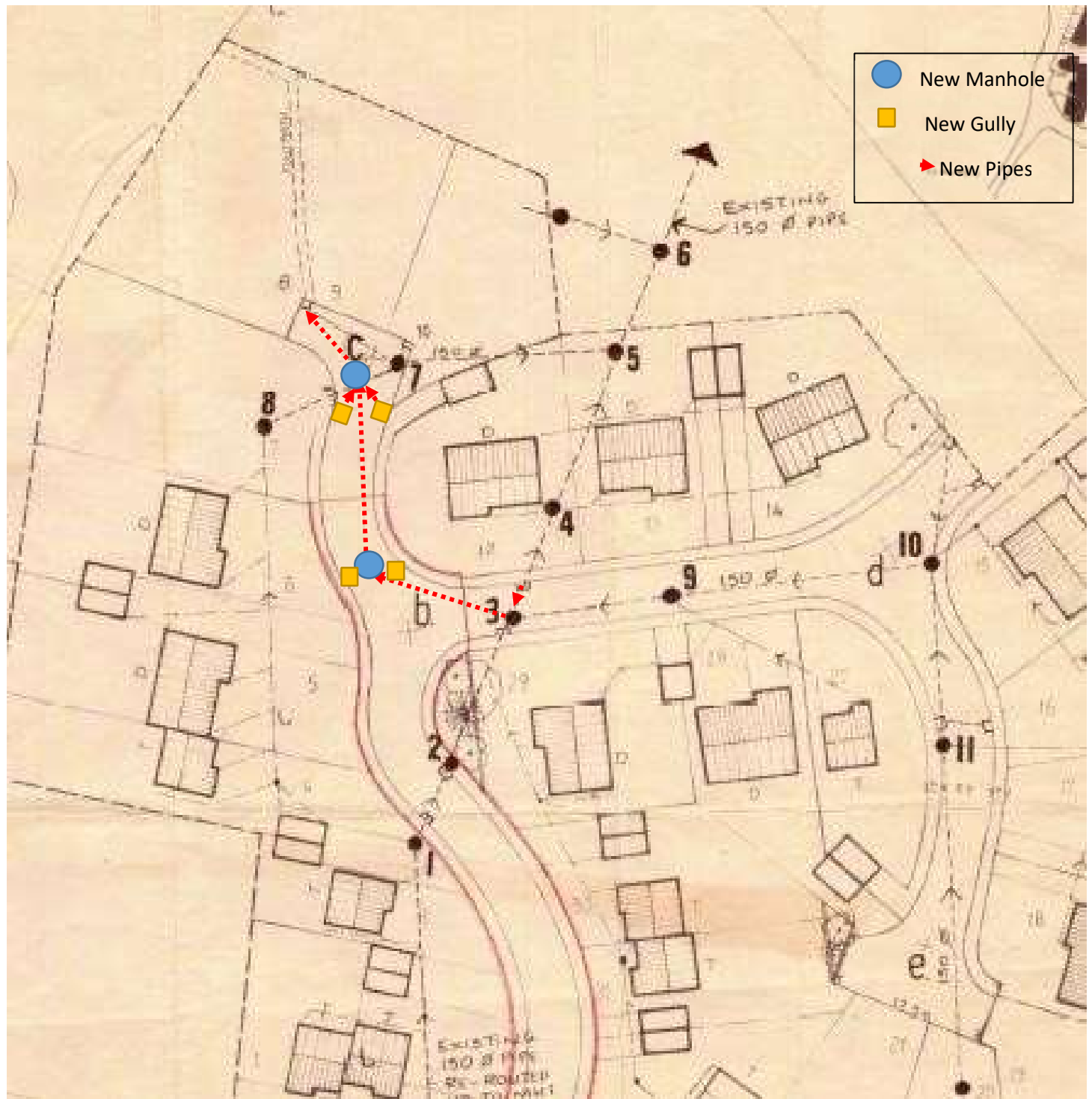
## Stad Plas Hen small scale scheme proposal.

### Field section



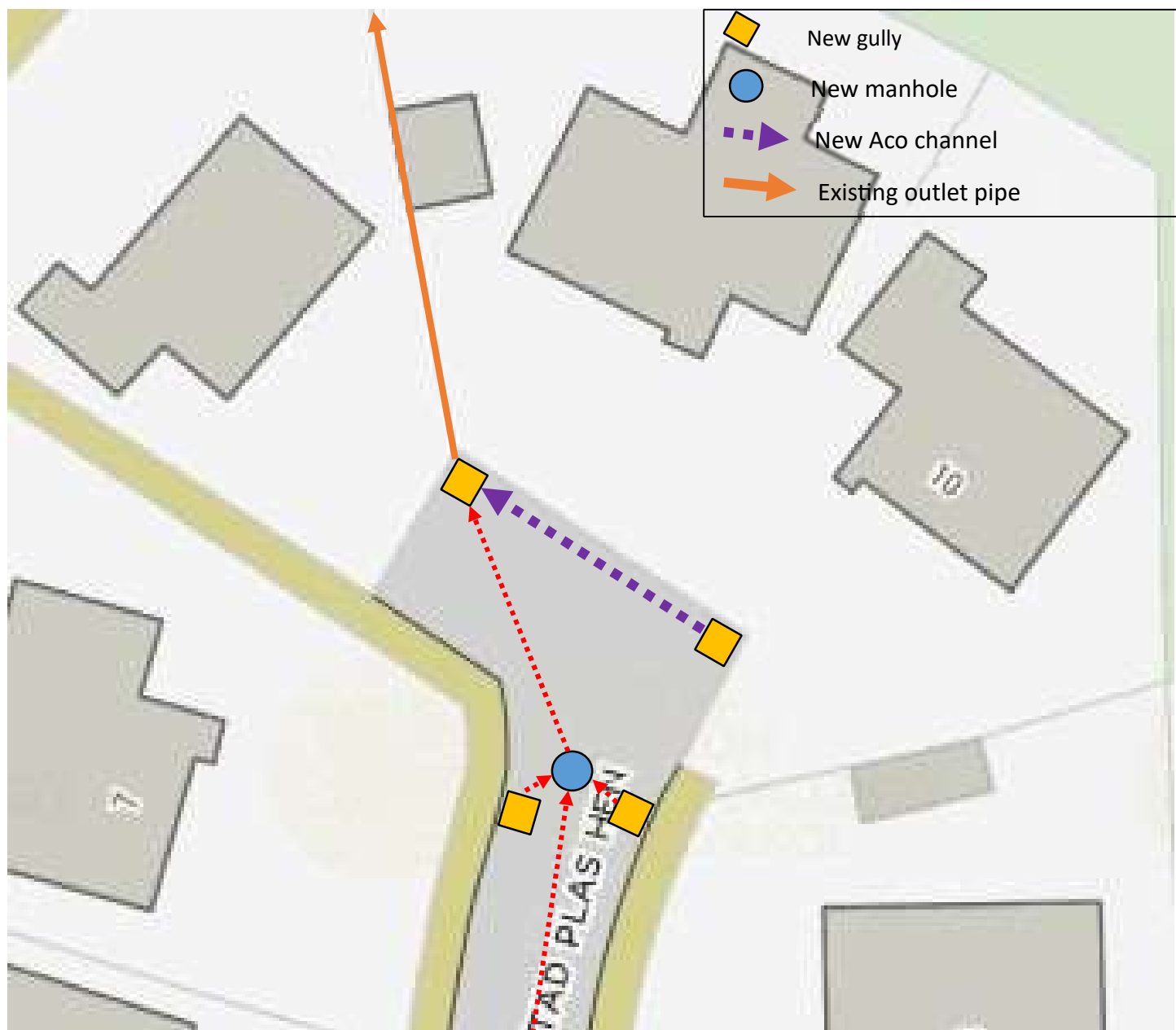
New manhole chamber (green) constructed at a point where all parties are satisfied that the system is working efficiently thereafter. The system is then reconstructed up to manhole A. The existing ditch is cleaned back to the outlet point of the gully outside X & X Stad Plas Hen. Construct a filter drain along the boundary of the field, approximately 1-1.2m deep, 500mm wide with a 150mm twin wall perforated pipe surrounded by 50mm clean stone and woven geotextile membrane. Any pipework coming off the estate (as it is suggested there is in the lowest plan) would be picked up and connected into this carrier drain. A kerb headwall would be built to accommodate the filter drain and the outlet pipe at point B.

## Stad Plas Hen Surface water system diversion



Reconstruct existing Manhole No.3 and divert the existing system down the estate via a new piped system, which includes 2 new manholes into the existing gully outside property number X. Install four new gullies (two connected into the first manhole and two into the second manhole) to reduce the flood risk to number X & X Stad Plas Hen.

## Outside Number 9 & 10



Connect the existing gully outside number X into the existing gully outside number X by installing an aco channel across both driveways. In addition, possibly raise the kerbs to further minimise the flood risk to the properties.

Connect the diverted Stad Plas Hen system into the gully outside number X.

### NOTE

An instruction has been sent to our contractors to undertake a full video survey of the whole system, including the sections in the field, to ascertain the condition and capacity of the existing pipes. Any defects noticed within the report must be further assessed and a solution to rectify any such matters discussed. The same approach would be taken should we conclude that any of the pipes' capacity be deemed insufficient. Should the scheme be successful in grant funding application and subsequent approval to proceed, the IACC Land Agent will seek to confirm 3<sup>rd</sup> party land access arrangements and the scheme can commence on a without prejudice basis.