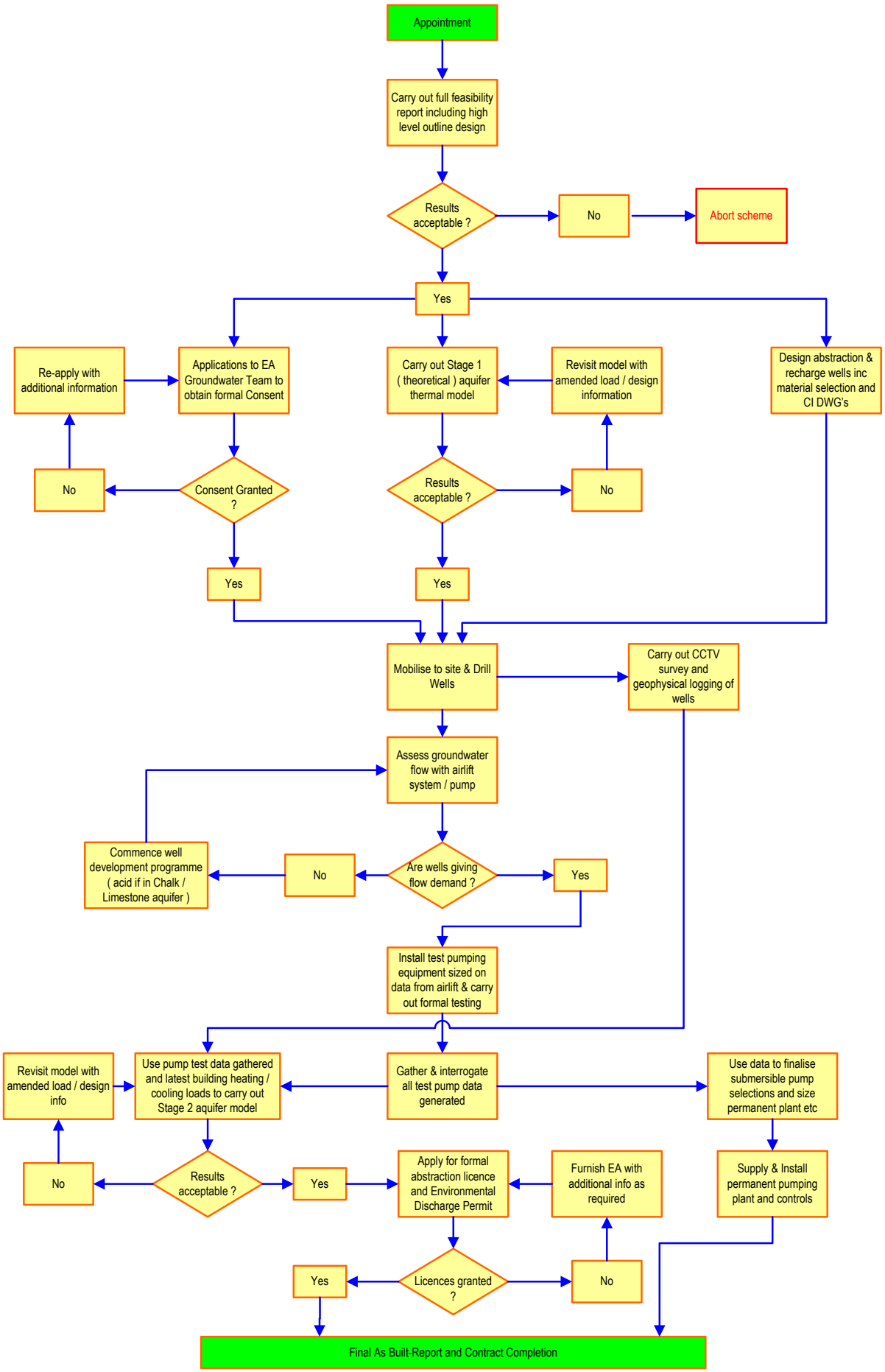
Appointment
Carry out full feasibility report including high level outline design
Results acceptable ?
No
Abort scheme
Yes
Re-apply with additional information
Applications to EA Groundwater Team to obtain formal Consent
Carry out Stage 1 (theoretical) aquifer thermal model
Revisit model with amended load / design information
Design abstraction & recharge wells inc material selection and CI DWG's
No
Consent Granted ?
Results acceptable ?
No
Yes
Yes
Mobilise to site & Drill Wells
Carry out CCTV survey and geophysical logging of wells
Assess groundwater flow with airlift system / pump
Commence well development programme (acid if in Chalk / Limestone aquifer)
No
Are wells giving flow demand ?
Yes
Install test pumping equipment sized on data from airlift & carry out formal testing
Revisit model with amended load / design info
Use pump test data gathered and latest building heating / cooling loads to carry out Stage 2 aquifer model
Gather & interrogate all test pump data generated
Use data to finalise submersible pump selections and size permanent plant etc
No
Results acceptable ?
Yes
Apply for formal abstraction licence and Environmental Discharge Permit
Furnish EA with additional info as required
Supply & Install permanent pumping plant and controls
Yes
Licences granted ?
No
Final As Built-Report and Contract Completion