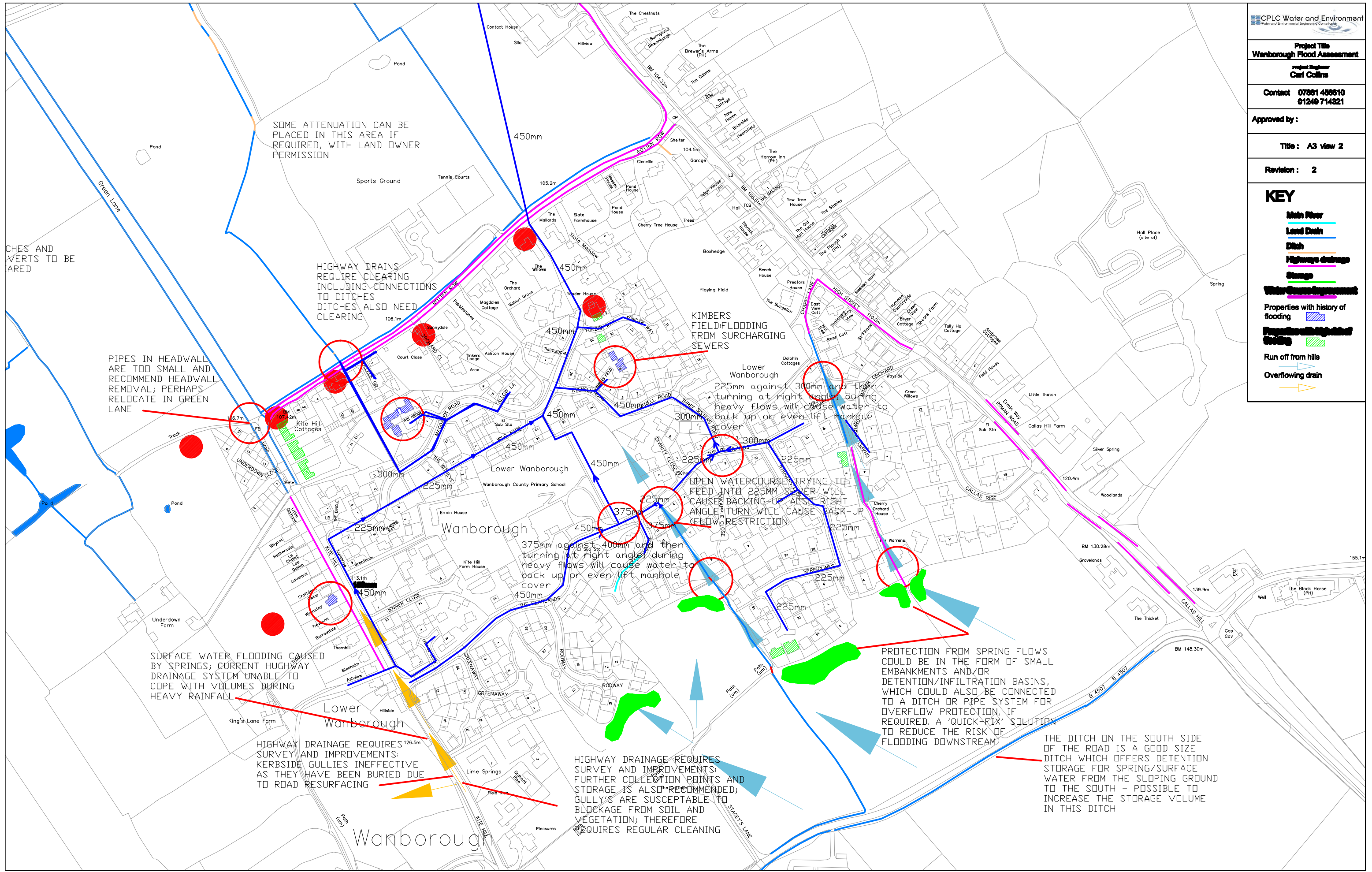


KEY

- Main Flow
- Land Drain
- Ditch
- Highway drainage
- Storage
- Water Course Segregation
- Properties with history of flooding
- Properties with high risk of flooding
- Run off from hills
- Overflowing drain



SOME ATTENUATION CAN BE PLACED IN THIS AREA IF REQUIRED, WITH LAND OWNER PERMISSION

HIGHWAY DRAINS REQUIRE CLEARING INCLUDING CONNECTIONS TO DITCHES DITCHES ALSO NEED CLEARING

PIPES IN HEADWALL ARE TOO SMALL AND RECOMMEND HEADWALL REMOVAL; PERHAPS RELOCATE IN GREEN LANE

KIMBERS FIELD FLOODING FROM SURCHARGING SEWERS

225mm against 300mm and then turning at right angle during heavy flows will cause water to back up or even lift manhole cover

OPEN WATERCOURSE TRYING TO FEED INTO 225MM SEWER WILL CAUSE BACKING-UP ALSO RIGHT ANGLE TURN WILL CAUSE BACK-UP (FLOW RESTRICTION)

375mm against 400mm and then turning at right angle during heavy flows will cause water to back up or even lift manhole cover

SURFACE WATER FLOODING CAUSED BY SPRINGS; CURRENT HIGHWAY DRAINAGE SYSTEM UNABLE TO COPE WITH VOLUMES DURING HEAVY RAINFALL

HIGHWAY DRAINAGE REQUIRES SURVEY AND IMPROVEMENTS; KERBSIDE GULLIES INEFFECTIVE AS THEY HAVE BEEN BURIED DUE TO ROAD RESURFACING

HIGHWAY DRAINAGE REQUIRES SURVEY AND IMPROVEMENTS; FURTHER COLLECTION POINTS AND STORAGE IS ALSO RECOMMENDED; GULLIES ARE SUSCEPTIBLE TO BLOCKAGE FROM SOIL AND VEGETATION; THEREFORE REQUIRES REGULAR CLEANING

PROTECTION FROM SPRING FLOWS COULD BE IN THE FORM OF SMALL EMBANKMENTS AND/OR DETENTION/INFILTRATION BASINS, WHICH COULD ALSO BE CONNECTED TO A DITCH OR PIPE SYSTEM FOR OVERFLOW PROTECTION, IF REQUIRED. A 'QUICK-FIX' SOLUTION TO REDUCE THE RISK OF FLOODING DOWNSTREAM

THE DITCH ON THE SOUTH SIDE OF THE ROAD IS A GOOD SIZE DITCH WHICH OFFERS DETENTION STORAGE FOR SPRING/SURFACE WATER FROM THE SLOPING GROUND TO THE SOUTH - POSSIBLE TO INCREASE THE STORAGE VOLUME IN THIS DITCH