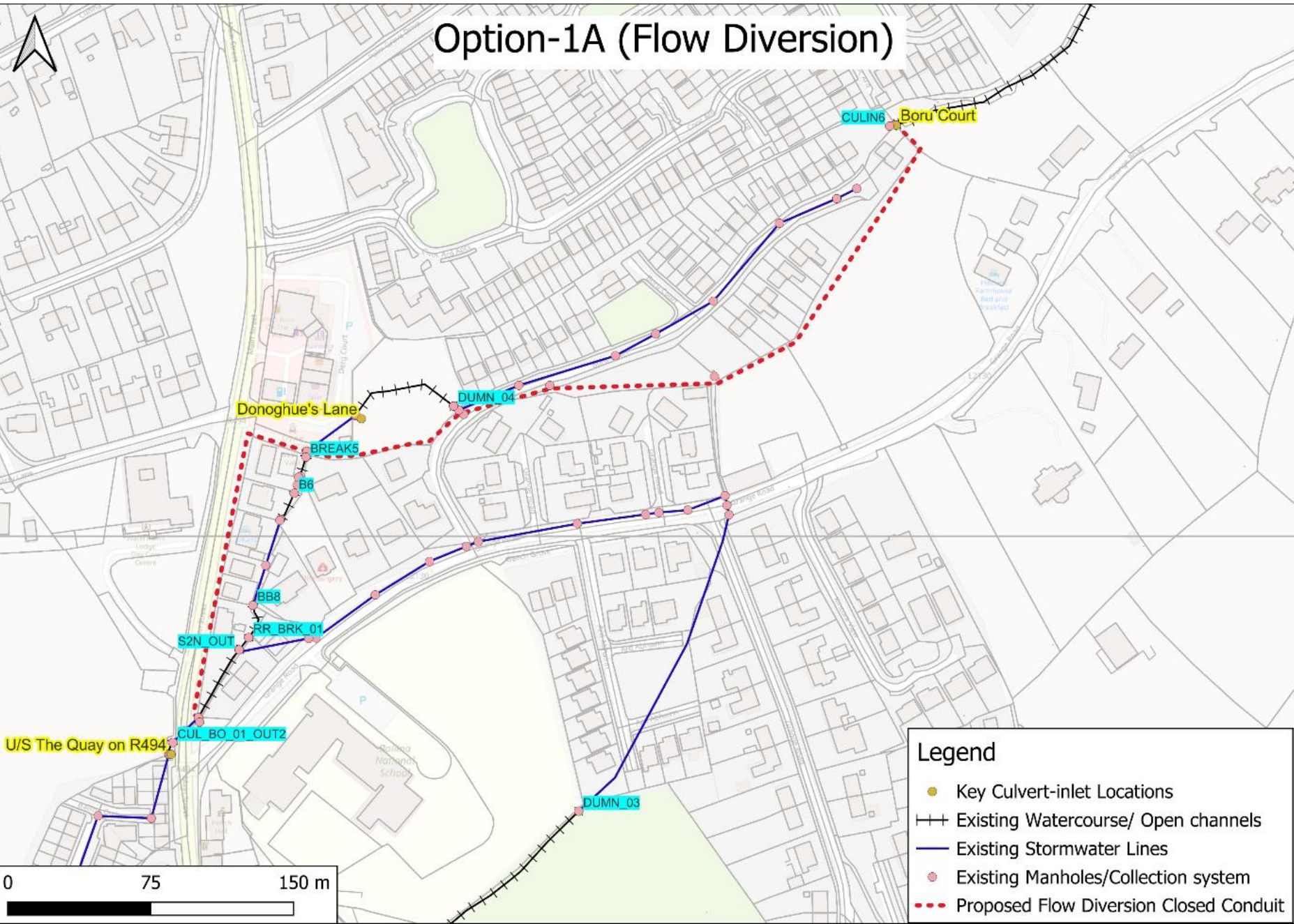


Options Considered – Option 1A and 1B

Option 1A

Option 1A proposed a diversion of the existing stormwater line from Boru Court through grounds of private property and further along Boru Court Road and along the R494. The downstream end of the culverted watercourse is connected back into the existing watercourse upstream of the Bridge on R494.

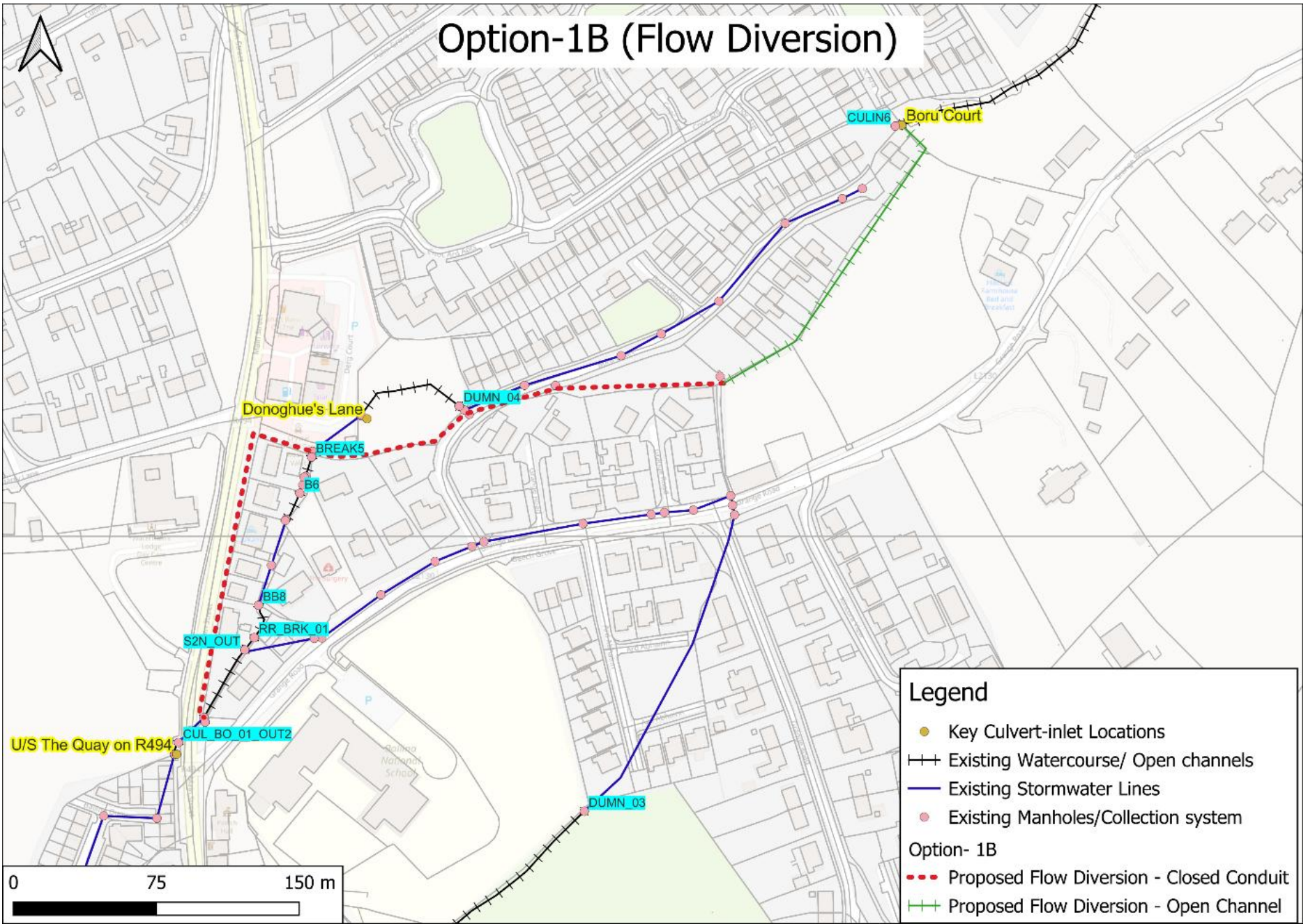
The figure below shows the alignment of the proposed culverted diversion (red dotted line) for Option 1A.



Option 1B

Option 1B is the same as Option 1A but represents part of the diverted channel from Boru Court as an open channel rather than a closed conduit.

The figure below shows the alignment of the proposed open channel diversion (green dotted line) and the proposed culverted diversion (red dotted line) for Option 1B.



BENEFITS	CONSTRAINTS
<ul style="list-style-type: none"> Properties previously flooded are protected. Flood flows are diverted though an open channel/culverted watercourse thus protecting properties along Boru Court Road and O'Donoghue's Lane. R494 bridge, which is currently inadequately sized, is proposed to either improve the existing bank levels or replace the bridge to enhance the conveyance capacity 3no. regional roads and 2no. Multiple Urban (Street) are protected when Option 1A is in place. No impacts to architectural features. Negligible impact on landscape character and visual amenity as the operation of the flood measures would result in underground culverts or culverts in an agricultural site 	<ul style="list-style-type: none"> Includes work with a direct hydrological pathway to the Lower River Shannon SAC Proposed works occurring within a zone of archaeological potential (SMR Zone). Surface Water issues downstream of McKeogh's Yard are not resolved. Minor impacts on hydromorphology and the hydrological regime through flow diversion and bridge conveyance improvements in the Drumbane River. Potential to result in localised loss of or disturbance to flora/fauna within the footprint of construction works, particularly for the Lough Derg Natural Heritage Area (NHA) Technical constraints associated with its construction such as access, confined spaces, structural stability, and continued access for the owners to their premises both during and after construction Allows more water to arrive at The Quays where no upgrade works were proposed. Potentially leads to undesirable flooding risk for residual (greater than design) flood events.