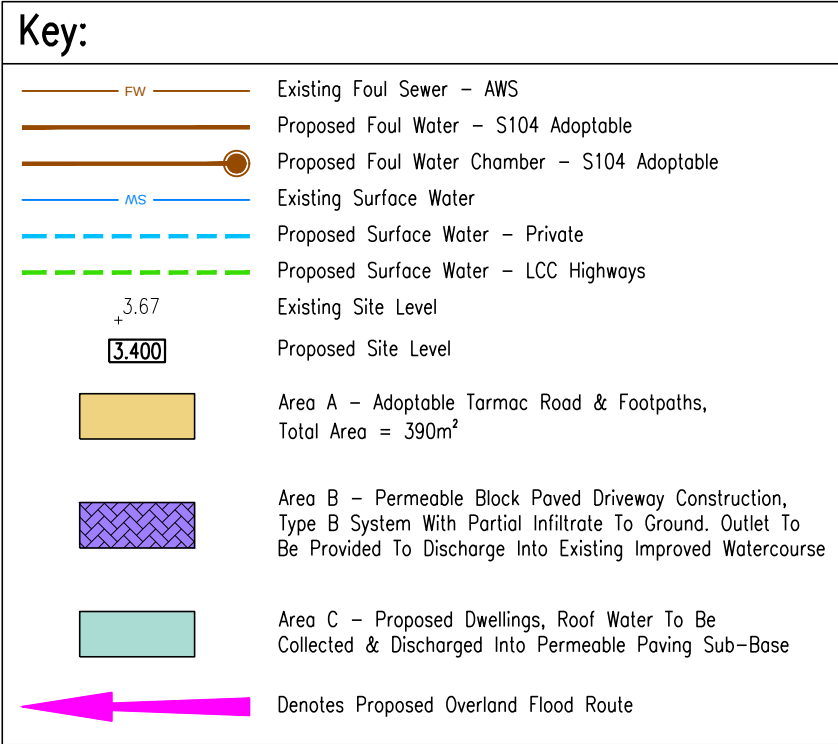
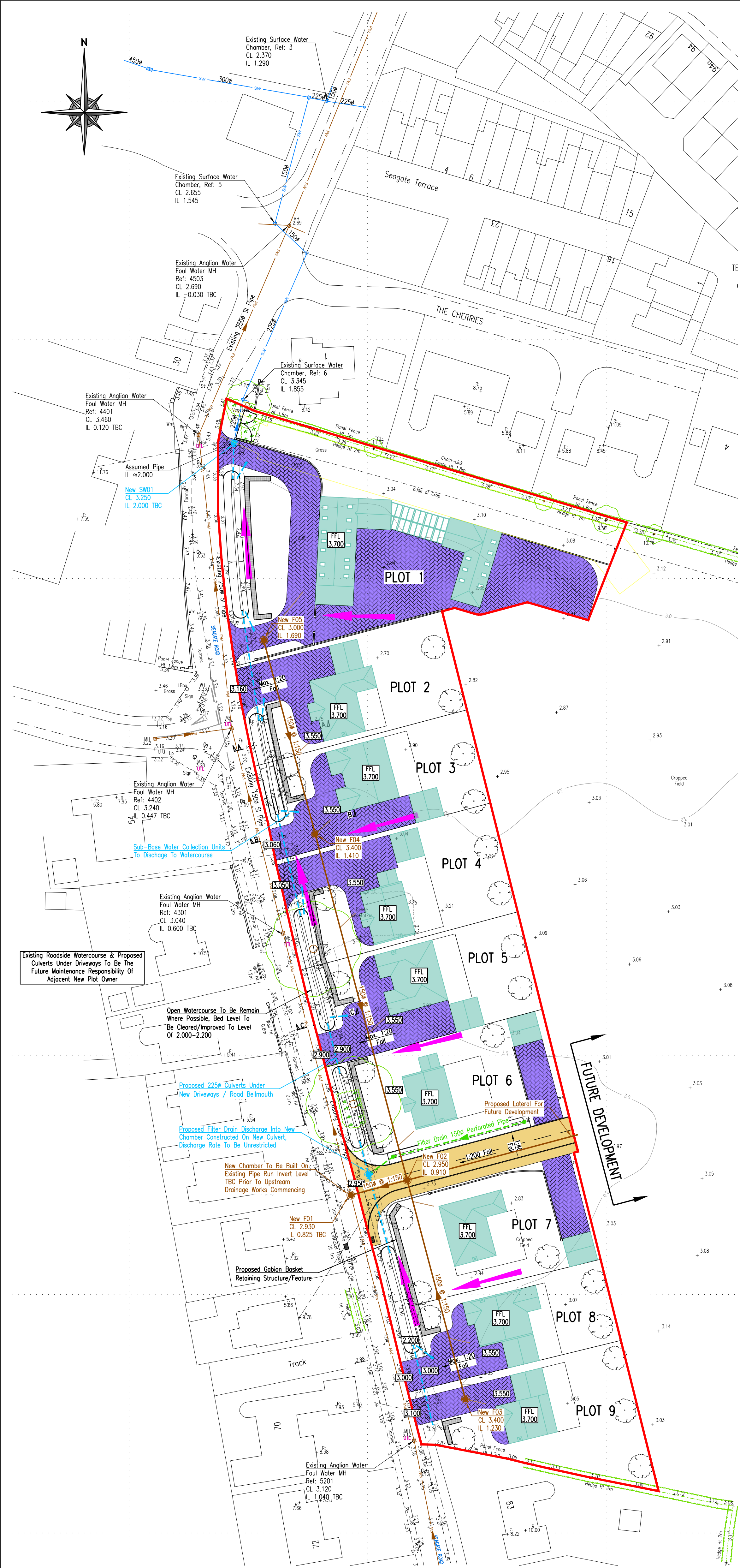




Drainage Strategy:

The proposed development for the 9 plots that front Seagate Road, as shown on this drawing, form part of much larger development to the East, which brings the overall development proposals to approximately 200 plots.

It has been agreed with LCC Highways that as the wider development will have its own standalone drainage system, the post development surface water discharge to the existing watercourse adjacent to Seagate Road will be reduced to less than the current greenfield runoff. Due to this reduction it has been agreed that the 9 frontage plots associated with this drawing/application will utilise the existing watercourse for the surface water discharge.

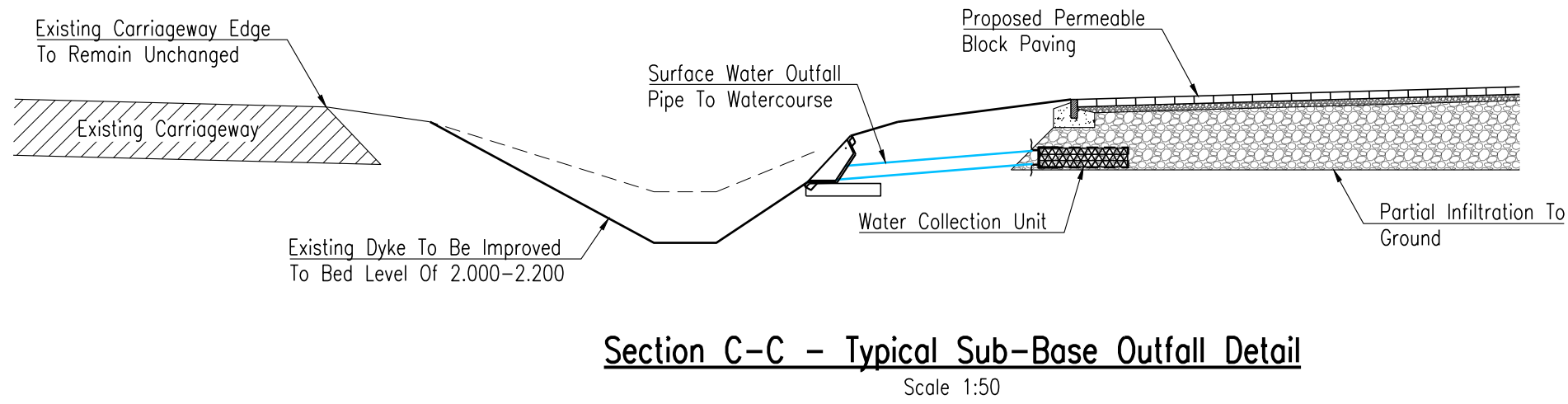
Therefore, it is proposed that the driveways will be constructed of permeable block paving and have a voided sub-base. This will be a 'Type B' system with partial infiltration. An outfall/overflow will be provided from the sub-base into the existing watercourse.

The roofwater is to discharge into the voided sub-base beneath the driveways.

As both the roofwater and driveways are draining through the permeable driveway construction, the discharge into the ground/watercourse are slowed down to a rate similar to the greenfield runoff.

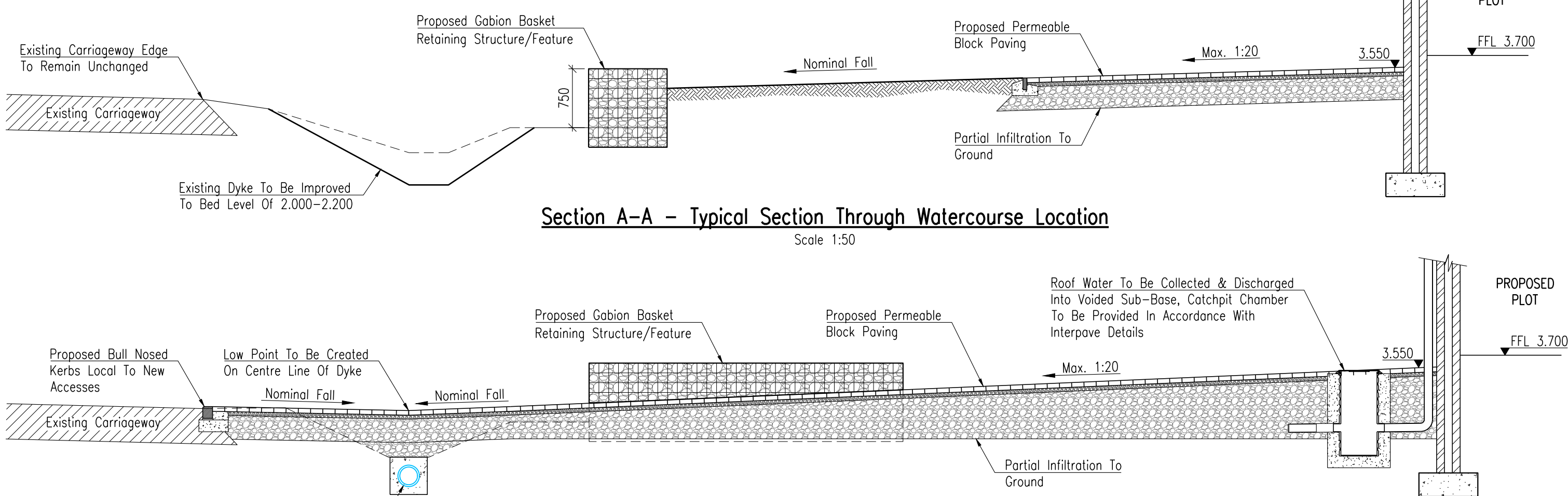
The relatively short section of adoptable highway that is to be constructed at this stage is to discharge to the existing watercourse via a proposed roadside filter drain.

The flood exceedance route is demonstrated on this drawing. Generally, as the plots are to be built out of the ground to suit the minimum floor levels specified in the FRA, there is a fall created in a East to West direction. Therefore, any exceedance will be directed to the existing improved road side watercourse, which in turn discharges to the IDB system to the North.



Section C-C - Typical Sub-Base Outfall Detail

Scale 1:50



Section A-A - Typical Section Through Watercourse Location

Scale 1:50

Section B-B - Typical Section Through Culvert Location

Scale 1:50

A	26.10.21	Proposed Site Layout Updated & Minor Updates/ Clarification To The Proposed Surface Water Drainage Strategy.	
Rev	Date	Remarks	
Status	FOR INFORMATION		
 SIDEBOTTOM RICHARDSON CHENG LTD CONSULTING STRUCTURAL AND CIVIL ENGINEERS 15 High Street, Spalding, Lincs. PE11 1TW Tel: 01775 712660 Fax: 01775 712635 Email: src@srcstd.com			
Project	Residential Development Land East of Seagate Road, Long Sutton, Lincolnshire For D Brown Builders		
Title	Proposed Drainage Strategy Seagate Road Frontage Plots		
Date	Jun. '21	Scale	1:500 @A
Drawn	MP	Checked	SRC
Design	SRC	File Name	22421-10
DRG No. 22421/10			Rev A