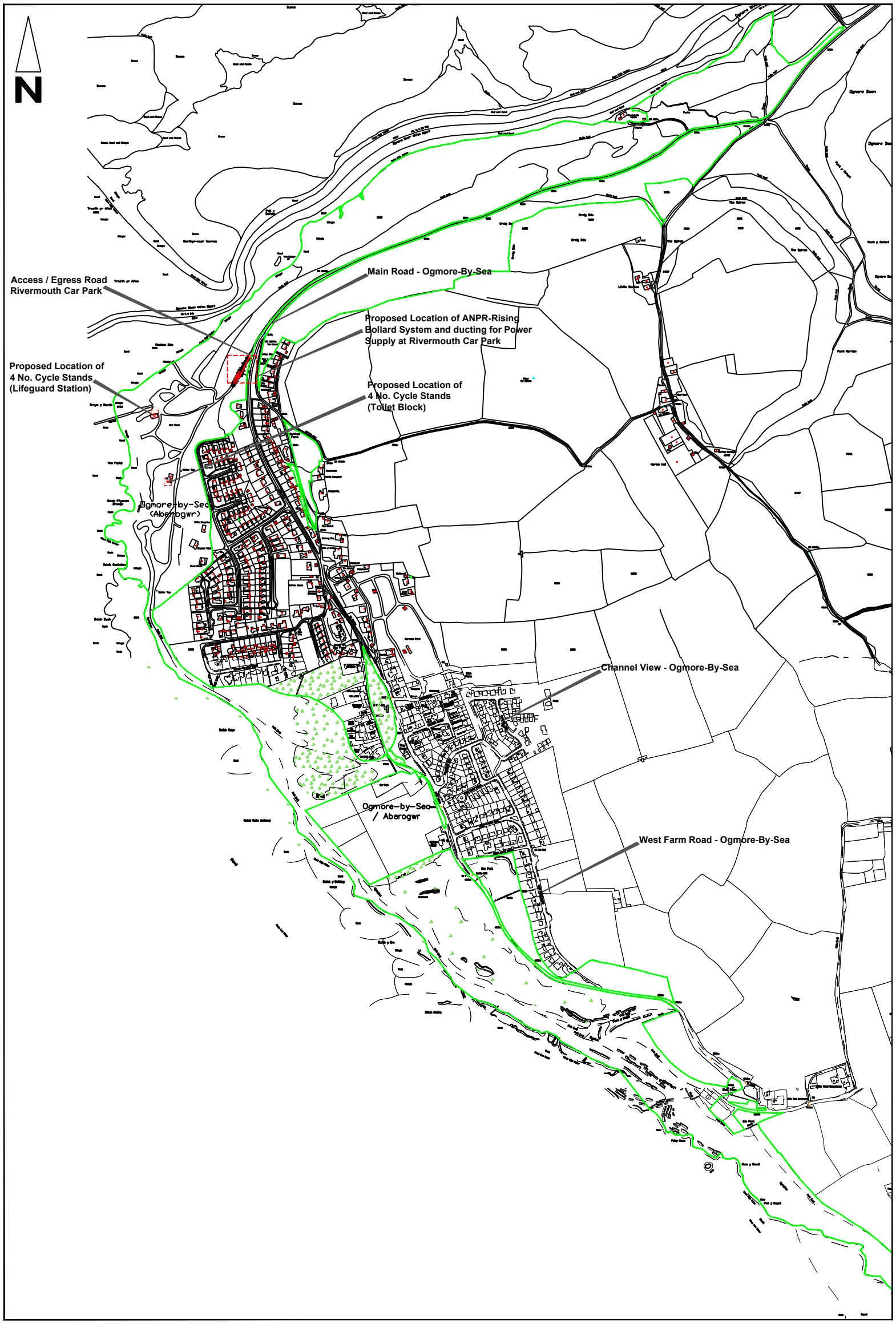
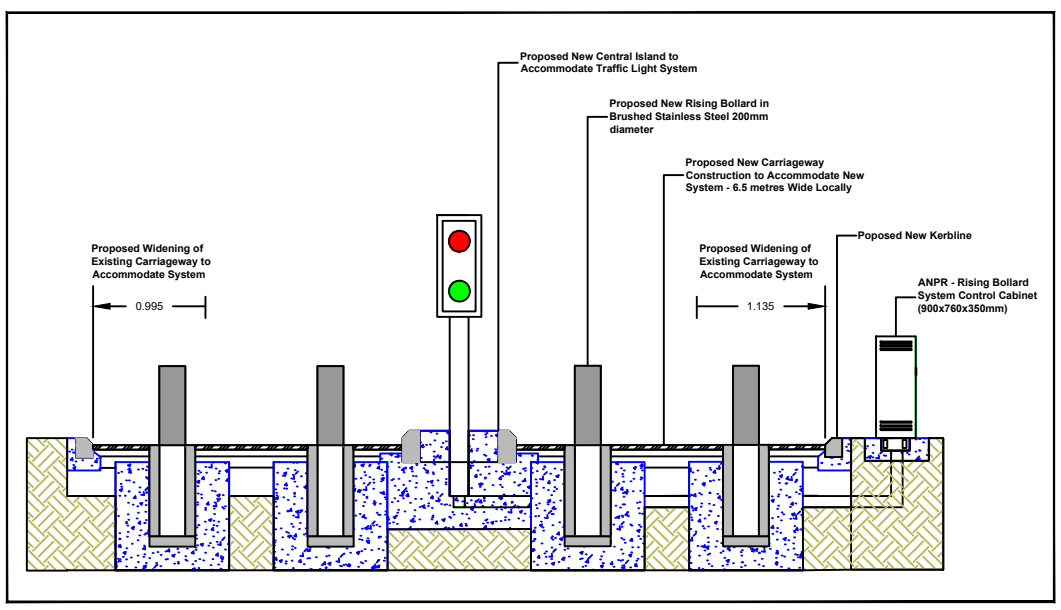
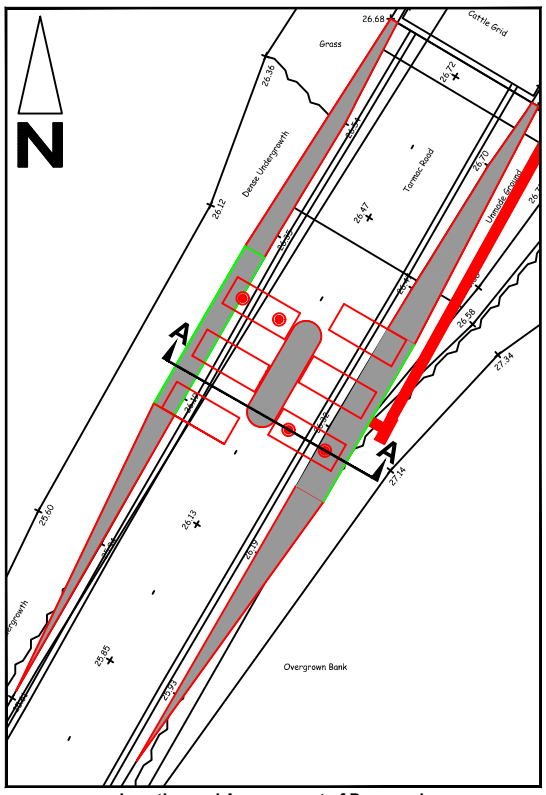


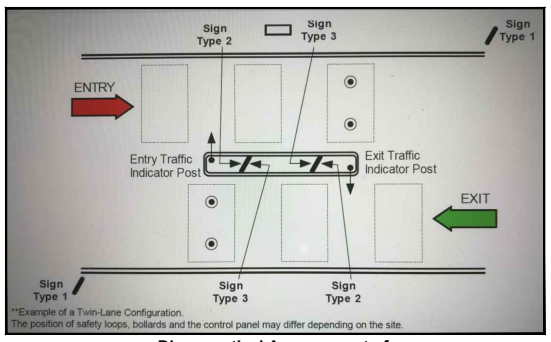
Location Plan - Section 38 Application
Scale 1:10,000
Grid Ref. SS 86352 75654



Section A - A
Not to Scale



Location and Arrangement of Proposed
ANPR - Rising Bollard System
Scale 1:250



Diagramatical Arrangement of
ANPR - Rising Bollard System
Not to Scale

Specification:

Automatic Bollard:
Product Name: VP700
Bollard Quantity: 2 / 4 No. depending on site.
Bollard Diameter: 200mm
Height Above Ground: 700mm
Foundation Depth: 1108mm
Finish Being Quoted: Stainless Steel
Estimated Hose Lengths: Within 15 Metres from Bollard to Control System

Control System & Cabinet:
Product Name: VP700
Quantity: 1 No.
Control System: Auto Rise System (DETR)
Traffic Flow: Twin Lane
Cabinet Dimensions: 900h x 760w x 350d (mm)
Cabinet Finish: Stainless Steel
DETR: Approved October 1988
Locks: 2 No. Tubar Attack Tested Locks
Cabinet Plinth: 1 No.

Traffic Indicator Column:
Product Name: Red/Green Traffic Indicator Column (Single Height)
Quantity: 1 No. per Traffic Direction – 2 in total.
Diameter: 168mm
Height Above Ground: 1908mm
Foundation Depth: 586mm
Finish Being Quoted: Brushed Stainless Steel
Number of Aspects: 2 No. (100mm Red & 100mm Green)
Facia Plate Dimension: Red/Green Traffic Indicator Column (Single Height)

Notes:

Automatic Number Plate Recognition - Rising Bollard System:
Heavy duty system capable of 2000 cycles per day, the system is to be a twin lane bollard system with twin or single bollard per lane with a central traffic island separating the lanes with a width of 500mm / 1metre, the carriageway is to be extended in order to accommodate the entrance zone so that both lanes can be a minimum width of 2750mm to accommodate emergency vehicles.

Scope of Works:

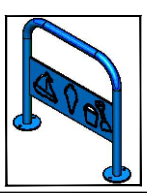
Civil Works:
1. Extend carriageway width to 6500mm with a raised kerbed traffic island of 500mm/1 metre and each lane to be a minimum of 2750mm for traffic.
2. Install 2 No. traffic indicator columns red/green traffic lights.
3. Install bollard outer casings with 100mm ducting from each bollard to a pit in the traffic island which connects back to the main cabinet plinth.
4. Install six induction loops, three per lane.
5. Install a cabinet plinth to the left of the entrance lane.

Operational Specification:
1. 1 No. Twin Lane DETR VP700 system finished in Stainless Steel.
2. Led Lights to be included for each bollard as they are to be located in an area not illuminated.
3. 2 No. traffic indicator columns with red over green traffic lights.
4. Card reader system complete with 100 cards for staff.
5. GSM Intercom for deliveries and communication, the intercom has a keypad function that can be utilised to lower the bollards on a four digit code.
6. Hydraulic hoses and cabling.

Legend:

Common Land Boundary

Location of Proposed Work



Proposed Type and Colour of Cycle Stand

Rev	By	Description of Amendment	Chk by	Date
A	CRH	Specification and notes added	Chk by	12.03.2021
		Revisions		

VALE of GLAMORGAN
ENVIRONMENT AND HOUSING
Director: Miles Punter
BRO MORGANNWG

ENGINEERING

Client
The Vale of Glamorgan Council

Project
Ogmore-By-Sea Car Parks
ANPR - Rising Bollard System

Drawing Title
Section 38 Application

Drawn	CRH	Scale	As Shown	Project No.	831230
Date	10.11.20			Drawing No.	38/001
Checked		File	FILE		
Date		Window	WIN	Rev	A