
Bath & North East Somerset Council

Improving People's Lives

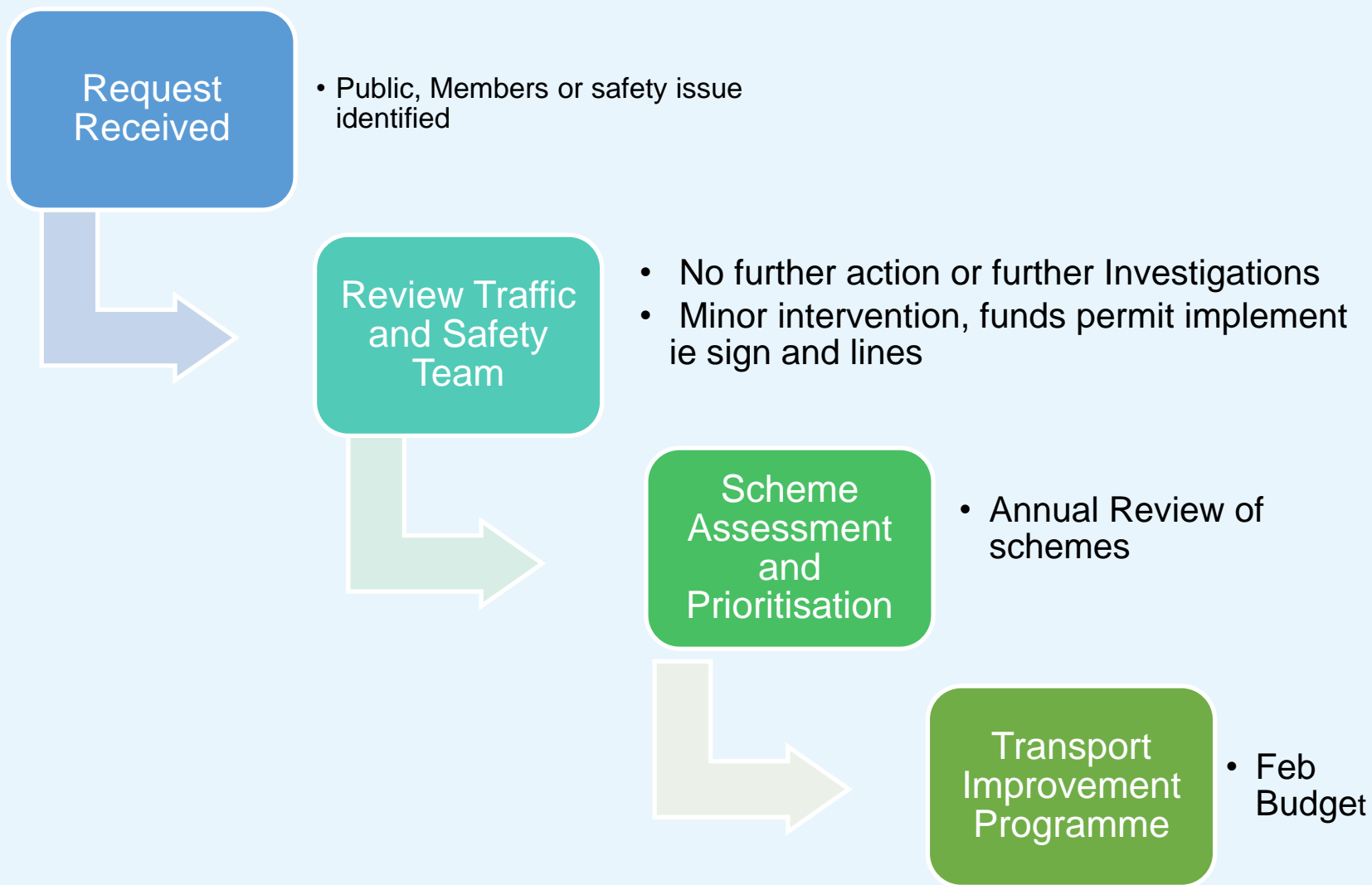
CPD&S Panel -5th July 2021
Processes and cost of delivering
Highway safety infrastructure

Traffic & Highways Service

- » Highway Authority statutory duty
 - » Maintain the Highway
 - » Public can travel Safe manner

- » Road Safety Improvements





TIP – Project Delivery

- » Scheme Engineer Assigned to each individual project
 - » Stage 1 , assessment, feasibility and design
 - » Stage 2, detailed design and delivery

Project Delivery Safety Schemes

- » Safety schemes normally developed and delivered by Council Engineering Staff
- » Construction works delivered using term contractor
 - » Volker Civils and Street lighting
 - » Dynniq Traffic signals

Radstock Road, Improved Pedestrian crossing

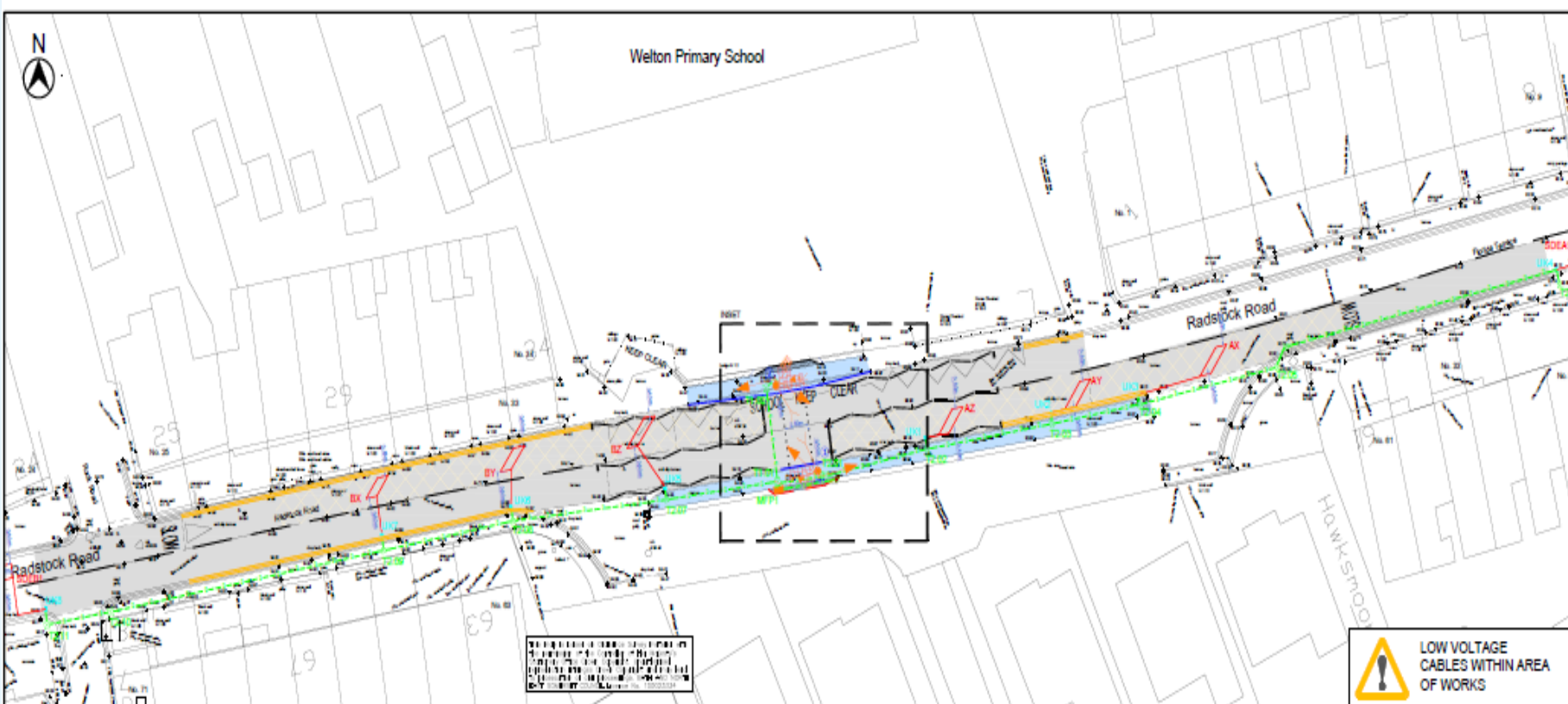
Stage 1

- Option assessment / feasibility
- Engagements
- Approved Design and costs for a signalised pedestrian crossing

Stage 2

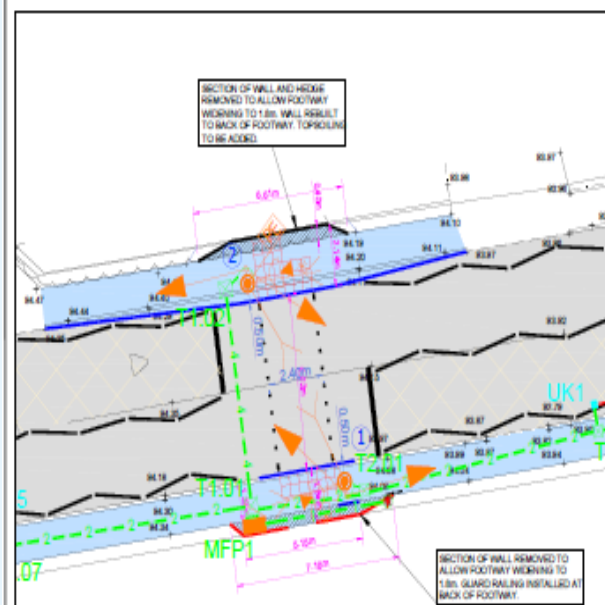
- Completion of detailed design
- Traffic Regulation Order
- Construction





FOR A FULL LIST OF MATERIALS SPECIFICATIONS, PLEASE REFER TO THE 'MATERIALS SPECIFICATION' DOCUMENT SUPPLIED WITH THIS DRAWING.

LOW VOLTAGE CABLES WITHIN AREA OF WORKS



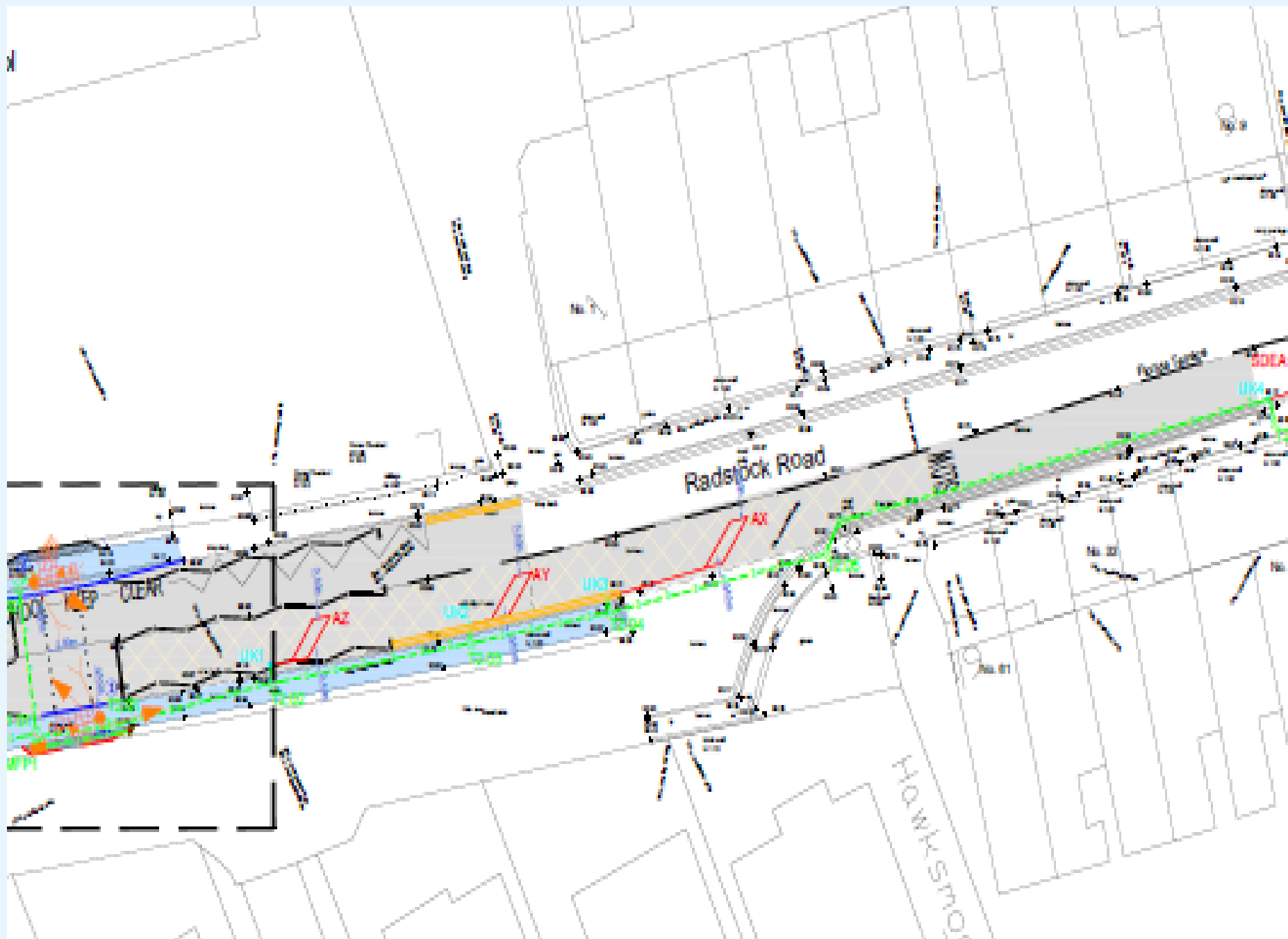
NOTES

- THIS DRAWING IS NOT TO BE SCALED.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS SUPPLIED BY THE ENGINEER AND THE CONTRACT SPECIFICATION.
- TRAFFIC SIGNS AND ROAD MARKINGS TO COMPLY WITH THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS ZONE.

KEY

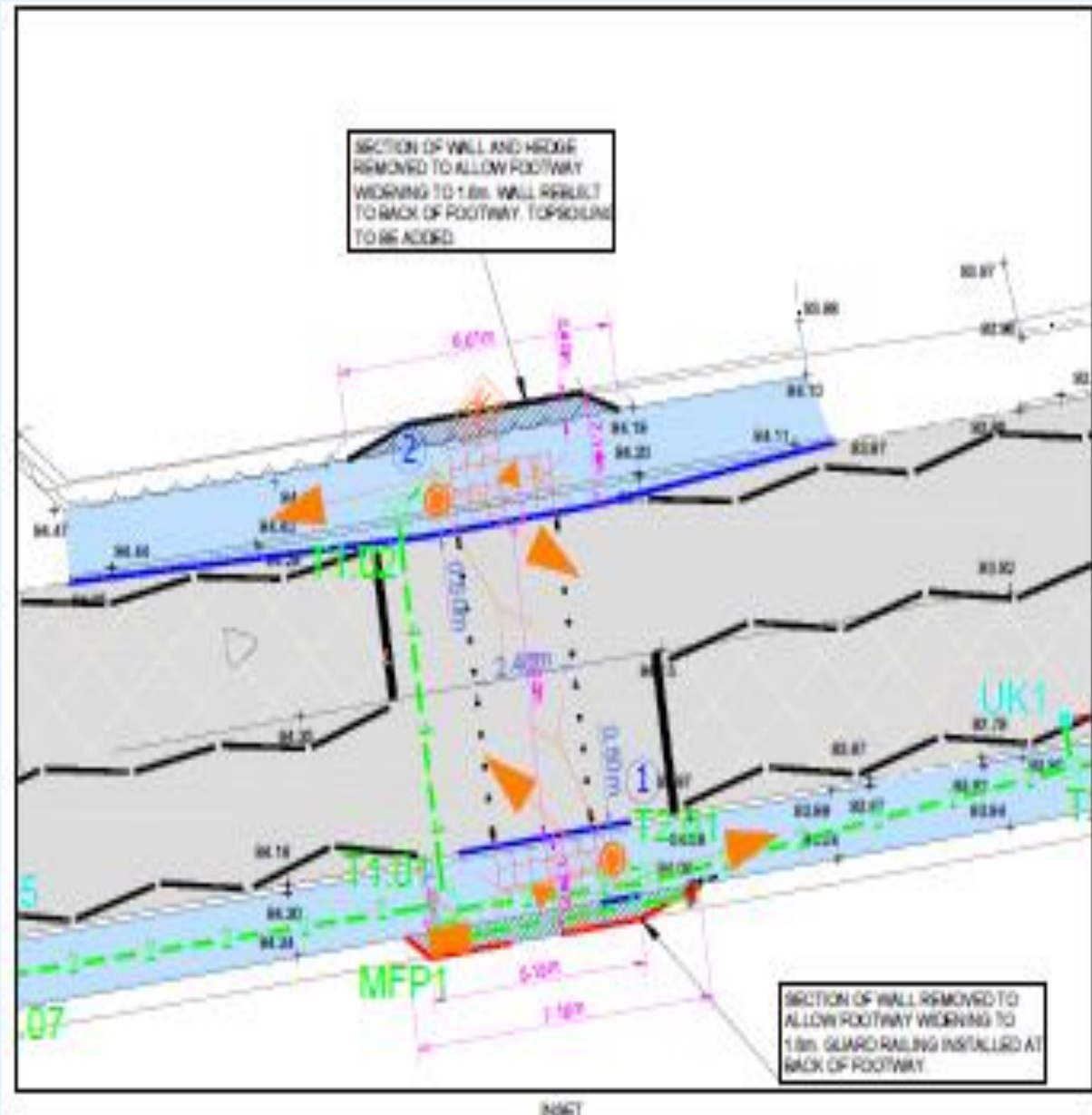
- FOOTWAY RESURFACING COMPRISING ACCESS ORANGE 80% 100%SPRAC BINDER COURSE 50mm THICK, ACCESS ORANGE SURF 100%SPRAC SURFACE COURSE 20mm THICK SURFACE COURSE
- QUARRYWAY RESURFACING TO CLOSE SURF PAR 10%100
- HIGH FRICTION SURFACING IN BUFF 30m BACK FROM STOPLINE
- PRECAST CONCRETE KERBING COMPRISING TYPE 400 800R 800 LAD FLOWLINE TYPE DRILL TO HS07158100A
- PRECAST CONCRETE TACTILE PAVING IN RED
- PEDESTRIAN GUARD RAIL TO REPLACE SECTION OF REMOVED WALL

- Large size RLV controller with black cabinet & already produced data sheets data. Controller to be configured to report fault.
- Feeder pillar type Charles Endirect (CEPI); black galvanneal with hinged front door. Isolator to be fixed by Lynrix.
- 4m straight 114 140mm dia. address black traffic signal pole with low level access door & vertical pole cap in full, minimum socket type H0100CF planting depth 780mm. Pole ref: 4.
- NAL 80x80mm box 180x100mm with black composite plastic anti-slip cover to non-sliding class C050. Ref no. 11 is.
- NAL 80x80mm box 450x100mm with black composite plastic anti-slip cover to non-sliding class B125. Ref no. 12 is.
- 100mm dia orange coloured smooth bore ducts with TRAFFIC SIGNALLING lettering at 1m intervals. Number shown in triangle symbol indicates the number of ducts required in each run. Where no number is given, two should be assumed unless otherwise stated. Ducts to verge to be at 450mm depth. Ducts in carriageway to be at 700mm depth. Ducts required in all ducts. Ducts must not protrude more than 50mm into any duct.
- NAL D400 carriageway lamp box with 100 50mm or 100mm dia under with smooth bore orange duct to nearest traffic signal column. To be installed outside of vehicle wheel track. Ref no. 10.
- Stop line location. Stop line to be to dip 1001 & 200mm wide. To be 2.5m from primary poles and 3.0m from near side of pedestrian crossing duct.
- Protection studs location. Studs to be non reflective 100x100 steel square or circular (but not a mixture of both) & at 500mm centres. Studs to align with edge of tactile paving.
- New kerb with inlets and distance from stop line. Where not indicated 'un-directional' (see LOOP SETTING OUT DETAILS).



Works on site

- Works 570 sq m of carriageway resurfacing
- High Friction surfacing 300 sqm
- Footway surfacing 70 m
- Ducting 220m, chambers and sockets
- Tactile paving and kerbing
- Wall removed, guard rail installed and wall rebuilt in the school
- Signs and line
- Traffic Management including nigh time road closure
- Signal equipment including loop cutting





Stage	Costs	Activity
1	£2,300	Topographical Studies, Road Safety Audit and Speed Counts
1	£1,300	Traffic Regulation Order
1	£15,800	Staff Costs for Assessment, Design and Management
1	£2,000	Trial Holes
2	£1,100	Western Power connection
2	£97,800	Volker Works: ducting under and along road, cabinets, pole foundations, access chambers, duct boxes, footway construction / drop kerb, road resurfacing, signs, line, and traffic management including road closures.
2	£23,800	Dynniq, provide and install traffic signal equipment including traffic loops cut into road.
2	£8,200	Staff costs for Completion of design, Supervision and Management.
Total	£152,300	

Questions