

Broadclyst – Safer Route to School

Report of the Head of Planning, Transportation and Environment

Please note that the following recommendations are subject to consideration and determination by the Committee before taking effect.

Recommendation: It is recommended that:

- (a) the scheme shown on drawings B2300274-0101 Rev A and B2300274-0102 at an estimated cost of £118,000 be approved for construction;**
- (b) authority is granted to advertise and, subject to no objections being received, to install traffic calming features on the public highway as described in the report;**
- (c) the Head of Planning, Transportation and Environment, in consultation with the Cabinet Member for Economy, Growth and Cabinet Liaison for Exeter, be given delegated authority to make minor amendments to the scheme design, following consultation.**

1. Summary

The purpose of this report is to seek formal approval for a series of traffic calming improvements at Dog Village, Broadclyst as a further phase of works that will follow the B3181 toucan crossing and connecting shared use footway/cycleway.

2. Background/Introduction

In June 2014 (PTE/14/47), a report was taken for the approval of a scheme to construct a signalised crossing of the B3181 at Broadclyst and shared use footway/cycleway link through the orchard to Station Road. The scheme will provide improved access to the village for cyclists and pedestrians (including school children boarding or alighting from buses in the northbound direction on the B3181) and will also better connect the community of Broadclyst to leisure cycle routes to Killerton. These works are planned to commence on 23 February and are due for completion by the end of March 2015. This report seeks approval for the adjoining scheme to deliver a safer route to school from the orchard to the Clyst Vale Community College.

3. Proposals

The draft scheme proposals are shown on attached plans B2300274-0101 and B2300274--0102 and include the narrowing of the carriageway with kerbs and a road hump on the section of Station Road between Tower View and the orchard scheme; the steepening of the existing road hump just north of Old Coach Road with the raised platform surfaced in red; the construction of a new footway linking from the entrance to Clyst Vale Community College via the improved raised platform into Old Coach Road; a new road hump on outside Woodbury View properties and refreshed markings on existing road humps on Station Road on the eastern side of Clyst Vale Community College. In order to minimise disruption to the College, Phase 1 of the works (plan B2300274-0101 Rev A) are planned to commence between 30 March and 10 April 2015 during the Easter holidays. Phase 2 of the

works (plan B2300274-0102) are planned to commence between 27 July and 20 August at the start of the Summer holidays.

4. Consultations

Consultation has been undertaken with various parties including the local Member, the Community College, the National Trust, local residents, the Parish Council and the Broadclyst Traffic Group. Responses to the proposals have been positive.

5. Financial Considerations

Financial provision to progress the scheme at a provisionally estimated cost of £118,000 has been made and will be funded using Section 106 contributions from Cranbrook and SkyPark.

6. Sustainability Considerations

The proposals will have a positive impact by encouraging more people to walk and cycle. It will help reduce speeds of vehicles through the area and improve pedestrian facilities for people in the village on a key route to school. It will be complimentary to the Toucan Crossing/Orchard footway/cycleway scheme which was approved by HATOC in June 2014.

7. Carbon Impact Considerations

The proposals are expected to have a slight positive carbon impact.

8. Equality Considerations

No new policies are being recommended in this report and therefore an Equality Impact and Needs Assessment is not considered necessary.

9. Legal Considerations

The lawful implications/consequences of the proposals have been considered and taken into account in the preparation of this report.

10. Risk Management Considerations

This proposal has been assessed and all necessary safeguards or actions have been taken to safeguard the Council's position.

11. Public Health Impact

The scheme will have a positive public health impact by encouraging increased walking and cycling, with associated personal health benefits.

12. Options/Alternatives Investigated

Consideration was given to replacing the existing road humps on Station Road on the eastern side of Clyst Vale Community College with steeper ramps but this was not considered a good value investment. There would be substantial disruption to traffic to undertake these works, including a road closure and lengthy diversion and it was considered that the budget would be better spent on other improvements in the village. As a compromise, to increase the conspicuity of the humps, the scheme incorporates refreshed triangular road markings.

13. Reason for Recommendation/Conclusion

The proposed scheme will provide an improved route to school and will help to reduce levels of car use and speeds in Dog Village It will also help encourage increased cycling between Broadclyst and local leisure destinations, including Killerton.

Dave Black
Head of Planning, Transportation and Environment

Electoral Division: Broadclyst & Whimble

Local Government Act 1972: List of Background Papers

Contact for enquiries: Jamie Hulland

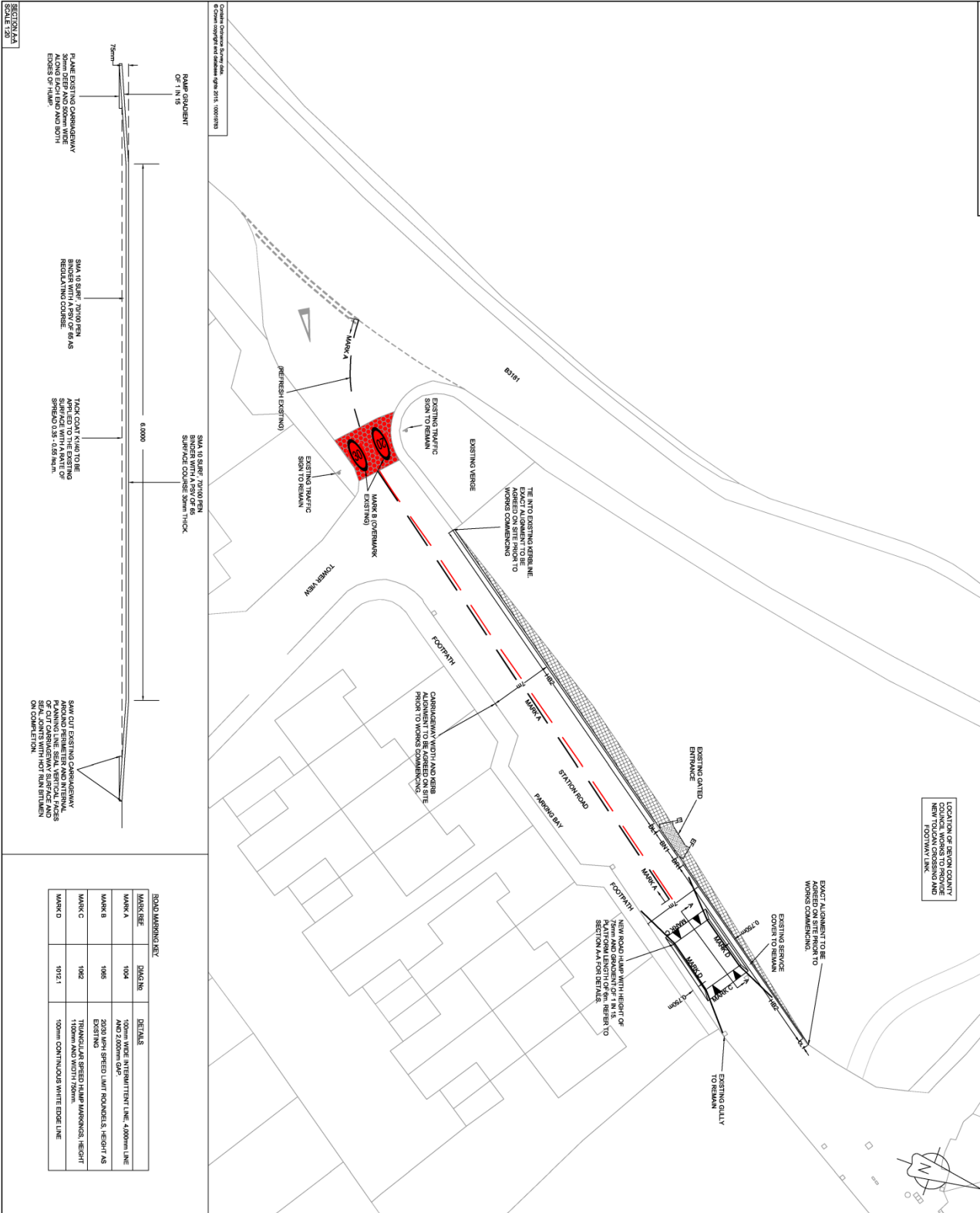
Room No: AB2 Lucombe House, County Hall

Tel No: 01392 383000

| Background Paper | Date | File Ref. |
|------------------|------|-----------|
|------------------|------|-----------|

Nil

jh230215edh
sc/cr/Broadclyst safer route to school
04 240215



SECTION A-A
 SCALE: 1:50

FLAME EXISTING CURBWAY
 400mm DEEP AND 500mm WIDE
 WITH A 10mm FINISH TO THE
 EDGES OF FLAME

200mm SLAB
 100mm GRANULAR
 SUBGRADE WITH A RATE OF
 SPREAD 0.25 - 0.28 m²/m

TACK COAT TO THE
 SURFACE WITH A RATE OF
 SPREAD 0.25 - 0.28 m²/m

200mm SLAB
 100mm GRANULAR
 SUBGRADE WITH A RATE OF
 SPREAD 0.25 - 0.28 m²/m

200mm SLAB
 100mm GRANULAR
 SUBGRADE WITH A RATE OF
 SPREAD 0.25 - 0.28 m²/m

200mm SLAB
 100mm GRANULAR
 SUBGRADE WITH A RATE OF
 SPREAD 0.25 - 0.28 m²/m

| MARKER | DESCRIPTION | DETAILS |
|----------|-------------|---|
| MARKER A | 1004 | 100mm WIDE INTERMITTENT LINE, 4.000mm LINE |
| MARKER B | 1066 | 500mm WIDE SPEED LIMIT SIGN, HEIGHT AS EXISTING |
| MARKER C | 1062 | TRIANGULAR SPEED HUMP MARKINGS, HEIGHT 1100mm AND WIDTH 750mm |
| MARKER D | 10121 | 100mm CONTINUOUS WHITE EDGE LINE |

KEY

- PROPOSED HIGH FRICTION CONCRETE GULLY PAVING
- EXISTING HIGH FRICTION CONCRETE GULLY PAVING
- EXISTING ROAD MARKINGS TO BE REMOVED
- EXISTING ROAD MARKINGS TO REMAIN
- PROPOSED ROAD MARKINGS
- REMARK HIGH FRICTION SURFACING
- TRAFFIC SIGNS AND ROAD MARKINGS
- EXISTING ROAD MARKINGS TO BE REMOVED
- EXISTING ROAD MARKINGS TO REMAIN
- PROPOSED ROAD MARKINGS

NOTES - GENERAL

- ALL SETTING OUT TO BE AGREED ON SITE WITH THE LOCAL AUTHORITY.
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
- STAKE SETTING SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY'S SPECIFICATION FOR ROAD MARKINGS.
- ALL ROAD MARKINGS ARE TO COMPLY WITH THE LOCAL AUTHORITY'S SPECIFICATION.
- THE ROAD MARKINGS LAYOUT IS RESPONSIBLE FOR THE CORRECT SETTING OUT TO THE FOLLOWING SPECIFICATION: ROAD RESISTANCE = S3
- ALL ROAD MARKINGS ARE TO BE SCREENED OR EXTENDED.

NOTES - ROAD MARKINGS

- ALL PERMANENT ROAD MARKINGS ARE TO COMPLY WITH THE LOCAL AUTHORITY'S SPECIFICATION.
- THE ROAD MARKINGS LAYOUT IS RESPONSIBLE FOR THE CORRECT SETTING OUT TO THE FOLLOWING SPECIFICATION: ROAD RESISTANCE = S3
- ALL ROAD MARKINGS ARE TO BE SCREENED OR EXTENDED.

DATE: 23/01/2024

CONSTRUCTION

DO NOT SCALE

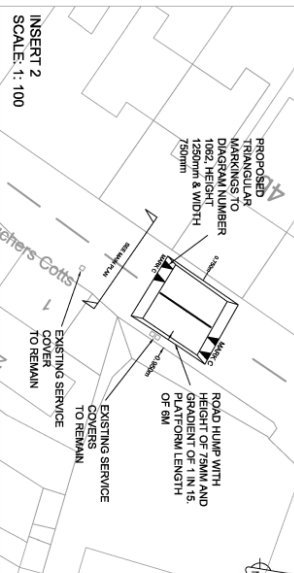
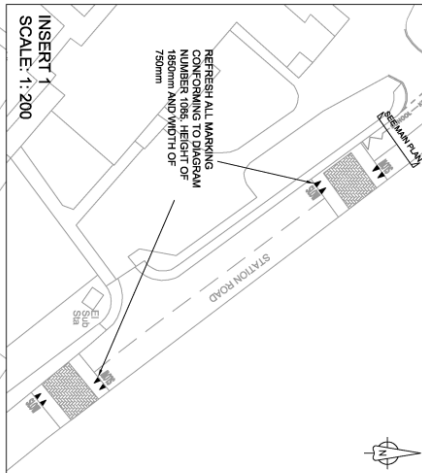
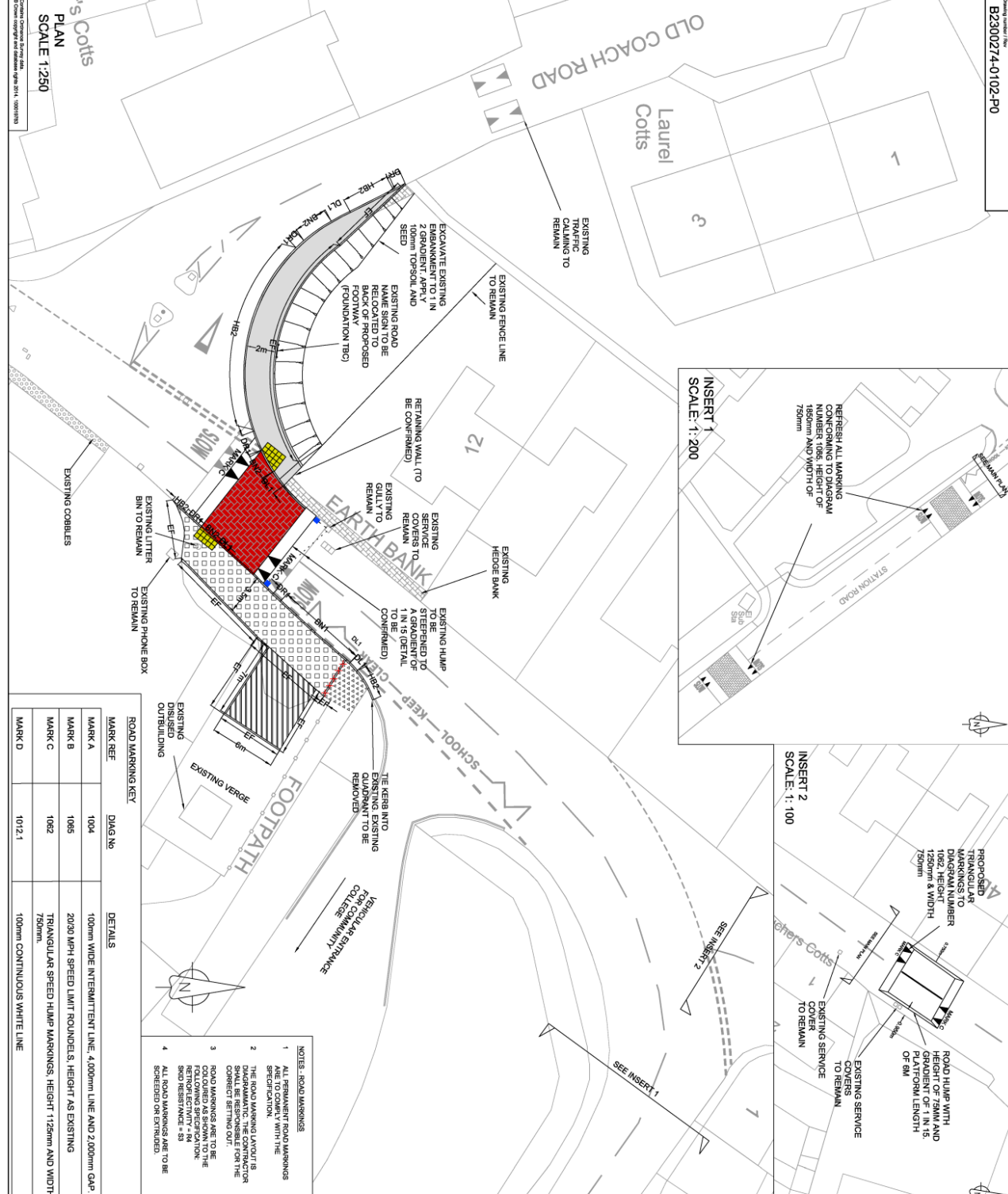
B2300274-0101

DEVON COUNTY COUNCIL

JACOBS

FOOTPATH STATION ROAD, BROADCLYST

SCHEME LAYOUT PHASE 1



ROAD MARKING KEY

| MARK REF | DIAG NO | DETAILS |
|----------|---------|---|
| MARK A | 1004 | 100mm WIDE INTERMITTENT LINE, 4,000mm LINE AND 2,000mm GAP |
| MARK B | 1005 | 20/30 MPH SPEED LIMIT ROUNDELS, HEIGHT AS EXISTING |
| MARK C | 1002 | TRIANGULAR SPEED HUMP MARKINGS, HEIGHT 1125mm AND WIDTH 750mm |
| MARK D | 1012.1 | 100mm CONTINUOUS WHITE LINE |

- NOTES - ROAD MARKINGS**
- ALL PERMANENT ROAD MARKINGS SHALL BE RESPONSIBLE FOR THE CONTRACTOR TO BE SPECIFIED IN THE DIAGRAM.
 - THE ROAD MARKING LAYOUT IS DIAGRAMMATIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ROAD MARKINGS TO BE COLLOURED AS SHOWN TO THE FOLLOWING SPECIFICATION: SMO RESISTANCE - S3
 - ALL ROAD MARKINGS ARE TO BE SCREENED OR EXTENDED.
 - EXISTING SERVICE COVERS TO REMAIN.

LEGEND

EXISTING KERBS TO BE REMOVED

NEW AC12 GULLY WITH 600x600mm DRAIN GRATING AND FRAME WITH 150mm CONNECTION

150mm DIA CARRIER DRAIN WITH CONCRETE BED AND SURROUND (2 TYPE)

KERBS (CONCRETE AND PAVED AREAS)

BUFF ALBERT TACTILE PAVING BLOCK (1120) TWO FULL ROWS DEEP AT NARROW POINT

TYPE H1 FOOTWAY TO STANDARD DETAIL S120

TYPE P2 FOOTWAY CONTRIBUTION TO STANDARD DETAIL S120

TYPE P1A FOOTWAY CONTRIBUTION WITH BINDER COVER TO STANDARD DETAIL S120 TACK COAT TO BE APPLIED TO EXISTING SURFACE

PROPOSED RECAST CONCRETE GRASS PAVING

EXISTING STANDING DETAIL S120

PROPOSED RECAST CONCRETE GRASS PAVING AT TOPSOIL COLLECTOR AND OVERLAYS WITH 150mm OF 500mm GC GRD AND OVERLAYS WITH JOHNSON JH 2000mm x 2000mm x 150mm GC GRD

HAL F MATTER (SEE S110)

ECONOMY KERBS (S119)

HALI OUT ALONG OF EXISTING SURFACING AND HIGH FRICTION SURFACING TACK COAT TO BE APPLIED TO HALLED SURFACE

REMARK HIGH-FRICTION SURFACING

EXCAVATE 100mm OF EXISTING CONSTRUCTION AND LAY SURFACING TYPE P1

THEORETICAL ROAD MARKINGS TO BE REMOVED

EXISTING ROAD MARKINGS TO REMAIN

PROPOSED ROAD MARKINGS

NOTES - GENERAL

- ALL SETTING OUT TO BE AGREED ON SITE WITH THE SURVEYOR.
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
- ALL WORKS SHALL BE IN ACCORDANCE WITH THE IFC WORKS SPECIFICATION FOR MAIN HIGHWAY (VERSION 10/10).

REVISIONS

| No | Date | By | Checked | Description |
|----|----------|----|---------|--------------------|
| 01 | 27/02/24 | AS | AS | ISSUED FOR TENDERS |

PROJECT

FOOTPATH, STATION ROAD, BROADCLYST

Scheme ID: B2300274-0102

Scale: PRELIMINARY

Drawn By: JAS/SR/M/J/L/V

Checked By: DO NOT SCALE

Date: 23/02/24

Issue: P0

This drawing is not to be used in whole or part other than for the purposes for which it was prepared and without the prior written consent of Jacobs.

JACOBS

10000 WESTERN AVENUE, BARNSTAPLE, DEVON PL35 9EF, UK

01323 832000

www.jacobs.com