

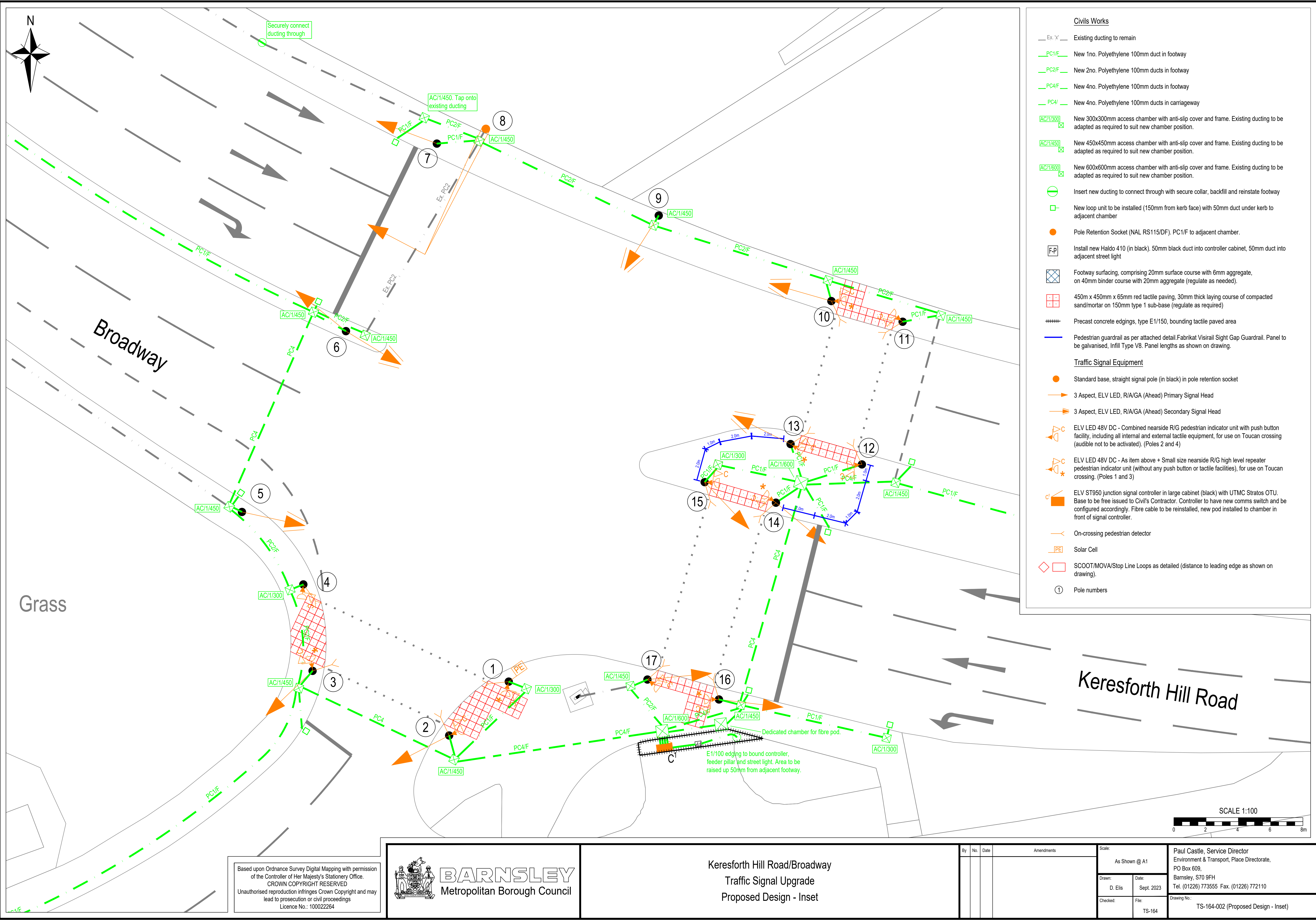
- Civils Works**
- Ex. X — Existing ducting to remain
 - PC1F — New 1no. Polyethylene 100mm duct in footway
 - PC2F — New 2no. Polyethylene 100mm ducts in footway
 - PC4F — New 4no. Polyethylene 100mm ducts in footway
 - PC4I — New 4no. Polyethylene 100mm ducts in carriageway
 - AC1300 New 300x300mm access chamber with anti-slip cover and frame. Existing ducting to be adapted as required to suit new chamber position.
 - AC1450 New 450x450mm access chamber with anti-slip cover and frame. Existing ducting to be adapted as required to suit new chamber position.
 - AC1800 New 600x600mm access chamber with anti-slip cover and frame. Existing ducting to be adapted as required to suit new chamber position.
 - Insert new ducting to connect through with secure collar, backfill and reinstate footway
 - New loop unit to be installed (150mm from kerb face) with 50mm duct under kerb to adjacent chamber
 - Pole Retention Socket (NAL RS115DF). PC1/F to adjacent chamber.
 - Install new Haido 410 (in black). 50mm black duct into controller cabinet, 50mm duct into adjacent street light
 - Footway surfacing, comprising 20mm surface course with 6mm aggregate, on 40mm binder course with 20mm aggregate (regulate as needed).
 - 450m x 450mm x 65mm red tactile paving, 30mm thick laying course of compacted sand/mortar on 150mm type 1 sub-base (regulate as required)
 - Precast concrete edgings, type E1/150, bounding tactile paved area
 - Pedestrian guardrail as per attached detail.Fabrikat Visirail Sight Gap Guardrail. Panel to be galvanised, Infill Type V8. Panel lengths as shown on drawing.
- Traffic Signal Equipment**
- Standard base, straight signal pole (in black) in pole retention socket
 - 3 Aspect, ELV LED, R/A/GA (Ahead) Primary Signal Head
 - 3 Aspect, ELV LED, R/A/GA (Ahead) Secondary Signal Head
 - ELV LED 48V DC - Combined nearside R/G pedestrian indicator unit with push button facility, including all internal and external tactile equipment, for use on Toucan crossing (audible not to be activated). (Poles 2 and 4)
 - ELV LED 48V DC - As item above + Small size nearside R/G high level repeater pedestrian indicator unit (without any push button or tactile facilities), for use on Toucan crossing. (Poles 1 and 3)
 - ELV ST360 junction signal controller in large cabinet (black) with UTM C Stratos OTU. Base to be free issued to Civil's Contractor. Controller to have new comms switch and be configured accordingly. Fibre cable to be reinstated, new pod installed to chamber in front of signal controller.
 - On-crossing pedestrian detector
 - Solar Cell
 - SCOOT/MOVAS/Stop Line Loops as detailed (distance to leading edge as shown on drawing).
 - Pole numbers

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Keresforth Hill Road/Broadway
Traffic Signal Upgrade
Proposed Design

By	No.	Date	Amendments	Scale:		Paul Castle, Service Director Environment & Transport, Place Directorate, PO Box 606, Barnsley, S70 9FH Tel. (01226) 773555 Fax. (01226) 772110
				N.T.S.		
				Drawn:	Date:	
				D. Ellis	Sept. 2023	
				Checked:	File:	
					TS-164	
				Drawing No.:		TS-164-002 (Proposed Design)



Civils Works

- Ex. 'x' — Existing ducting to remain
- PC1/F — New 1no. Polyethylene 100mm duct in footway
- PC2/F — New 2no. Polyethylene 100mm ducts in footway
- PC4/F — New 4no. Polyethylene 100mm ducts in footway
- PC4/ — New 4no. Polyethylene 100mm ducts in carriageway
- AC/1/300 New 300x300mm access chamber with anti-slip cover and frame. Existing ducting to be adapted as required to suit new chamber position.
- AC/1/450 New 450x450mm access chamber with anti-slip cover and frame. Existing ducting to be adapted as required to suit new chamber position.
- AC/1/600 New 600x600mm access chamber with anti-slip cover and frame. Existing ducting to be adapted as required to suit new chamber position.
- Insert new ducting to connect through with secure collar, backfill and reinstate footway
- New loop unit to be installed (150mm from kerb face) with 50mm duct under kerb to adjacent chamber
- Pole Retention Socket (NAL RS115/DF). PC1/F to adjacent chamber.
- F.P Install new Halo 410 (in black). 50mm black duct into controller cabinet, 50mm duct into adjacent street light
- Footway surfacing, comprising 20mm surface course with 6mm aggregate, on 40mm binder course with 20mm aggregate (regulate as needed).
- 450m x 450mm x 65mm red tactile paving, 30mm thick laying course of compacted sand/mortar on 150mm type 1 sub-base (regulate as required)
- Precast concrete edgings, type E1/150, bounding tactile paved area
- Pedestrian guardrail as per attached detail, Fabrikat Visirail Sight Gap Guardrail. Panel to be galvanised, Infill Type V8. Panel lengths as shown on drawing.

Traffic Signal Equipment

- Standard base, straight signal pole (in black) in pole retention socket
- 3 Aspect, ELV LED, R/A/GA (Ahead) Primary Signal Head
- 3 Aspect, ELV LED, R/A/GA (Ahead) Secondary Signal Head
- ELV LED 48V DC - Combined nearside R/G pedestrian indicator unit with push button facility, including all internal and external tactile equipment, for use on Toucan crossing (audible not to be activated). (Poles 2 and 4)
- ELV LED 48V DC - As item above + Small size nearside R/G high level repeater pedestrian indicator unit (without any push button or tactile facilities), for use on Toucan crossing. (Poles 1 and 3)
- ELV ST950 junction signal controller in large cabinet (black) with UTMCS Stratos OTU. Base to be free issued to Civil's Contractor. Controller to have new comms switch and be configured accordingly. Fibre cable to be reinstalled, new pod installed to chamber in front of signal controller.
- On-crossing pedestrian detector
- Solar Cell
- SCOOT/stop line loops as detailed (distance to leading edge as shown on drawing).
- Pole numbers

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Keresforth Hill Road/Broadway
Traffic Signal Upgrade
Proposed Design - Inset

				Scale:		Paul Castle, Service Director Environment & Transport, Place Directorate, PO Box 609, Barnsley, S70 9FH Tel. (01226) 773555 Fax. (01226) 772110
By	No.	Date	Amendments		As Shown @ A1	
					Drawn: D. Ellis	
					Date: Sept. 2023	
					Checked:	Drawing No.: TS-164-002 (Proposed Design - Inset)
					File: TS-164	