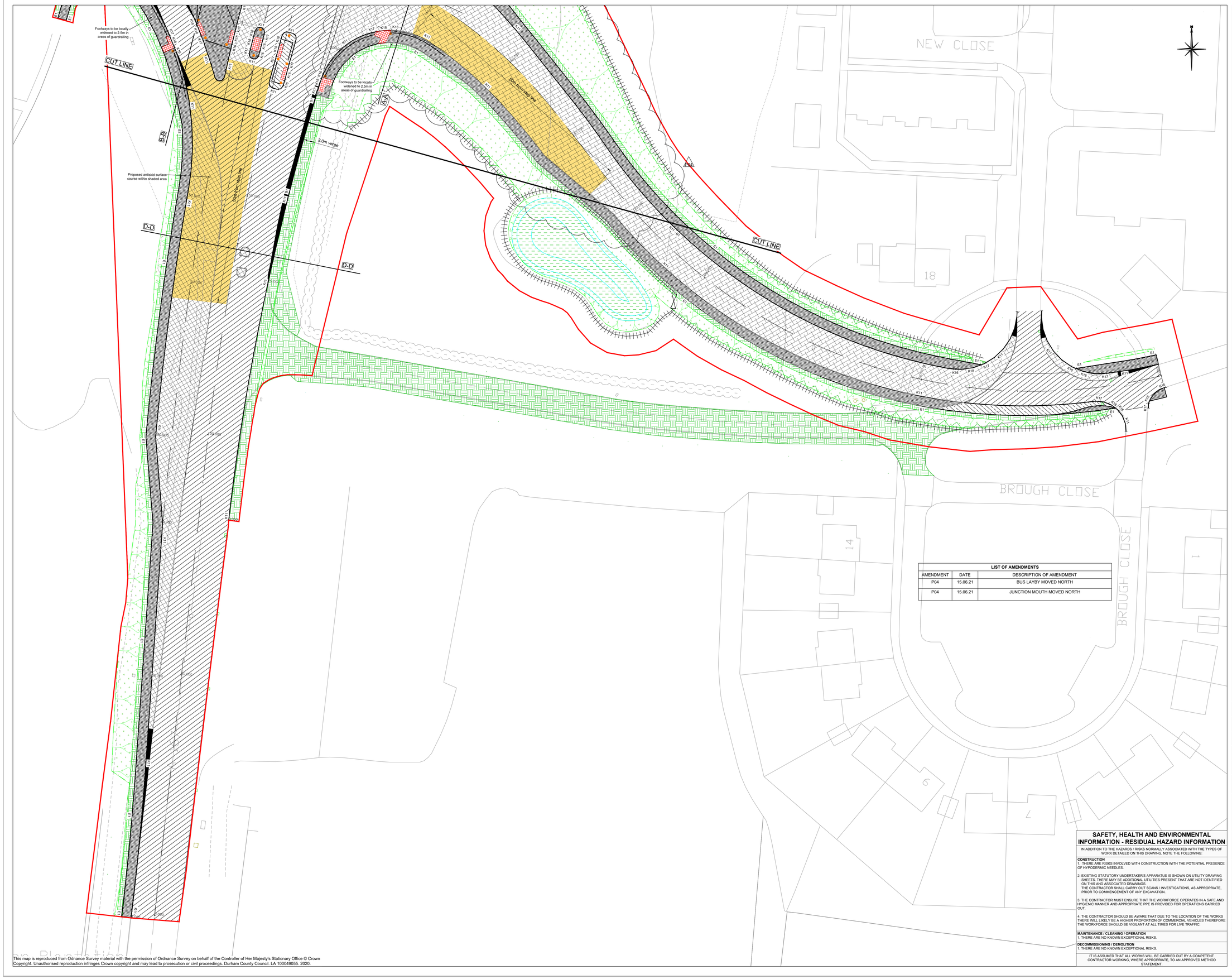

Key

All areas within hatched boundary, 50m offset from signal stop line, to have a high friction surface course laid

Carriageway resurfacing/regulating:
Plane 50mm (where necessary)
Regulate/Resurface with 50mm thick HRA surface course, R35/14F 40/60 design mix, 68+ PSV

Full footway construction, 170mm deep as HMS11/26;
20mm thick of 6mm agg close graded macadam surface course;
50mm thick of 20mm agg coated macadam base course;
100mm thick granular type 1 sub-base

Full footway construction, 305mm deep as HMS11/26;
20mm thick of 6mm agg close graded macadam surface course;
60mm thick of 20mm agg coated macadam base course;
225mm thick granular type 1 sub-base

Full carriageway construction, 960mm thick, based on a 1% CBR value;
50mm thick HRA surface course, R35/14F 40/60 design mix, 68PSV;
50mm thick binder course - AC20 Dense Bin 40/60 pen grade 20mm nominal aggregate size;
150mm base course - AC32 Dense Base 40/60 pen grade binder 32mm nominal aggregate size;
200mm thick granular sub-base type 1;
500mm thick 6F2 capping
Where CBR value is proven to be >1% then the contractor shall inform the designer for a revised design

Full carriageway construction, 620mm thick, based on a 5% CBR value;
50mm thick HRA surface course, R35/14F 40/60 design mix, 68PSV;
60mm thick binder course - AC20 Dense Bin 40/60 pen grade 20mm nominal aggregate size;
110mm base course - AC32 Dense Base 40/60 pen grade binder 32mm nominal aggregate size;
150mm thick granular sub-base type 1;
250mm thick 6F2 capping
Where CBR value is proven to be <5% then the contractor shall inform the designer for a revised design.

150mm deep topsoil and grass seed - embankments to be laid at a max slope of 1in4 to tie into existing ground level.

150mm deep topsoil and grass seed service strip laid level with adjoining footway/general areas of 150mm deep topsoil and seed

Pond to be formed and constructed as detailed on drainage drawings

100mm footpath construction as HMS11/26;
20mm thick of 6mm agg close graded macadam surface course;
Regulating Base Course (thickness varies)

50mm thick HRA surface course, R35/14F 40/60 design mix, 68+PSV;
60mm thick binder course - AC20 Dense Bin 40/60 pen grade 20mm nominal aggregate size;
Regulating Binder;
300mm thick ST4 Concrete Base
250mm thick granular type 1 sub-base

Red Coloured blister tactile paving as HMS/11/50.

Proposed pedestrian visibility rail Type V2 as S/7/400/312 to be installed in NAL 50x50 retention sockets

Post and 4 rail timber fencing to drawing no. (HCD) H3

Proposed lockable wooden gate - 3.0m wide to drawing no. (HCD) H21

New hedge - double row quickthorn - exact details to be confirmed

K11 - 125mmx255mm PCC Half battered kerb laid with 125mm upstand unless shown otherwise to HMS 11/01

K16 - K17 - 125mmx255mm Half battered to 125mmx150mm bullnosed PCC transition kerb left/right hand to HMS 11/06

K18 - 125mmx150mm PCC bullnosed kerb laid with 0 to 6mm upstand to HMS 11/05

E1 - 50mmx150mm PCC flat top edging laid flush to HMS 11/20

K41 - 305mmx150m PCC Bullnosed kerb (4no in total) laid with 150mm upstand as standard detail S/7/1100/127

K65 K66 - 125mmx255mm Half battered to bullnosed PCC transition kerb left/right hand as standard detail S/7/1100/127

B1 - Proposed Beanie Kerb - refer to drainage layout for details.

Red Line Boundary

Traffic Signal Pole - For exact details and position contractor must refer to Traffic Signals drawing

LIST OF AMENDMENTS

AMENDMENT	DATE	DESCRIPTION OF AMENDMENT
P04	15.06.21	BUS LAYBY MOVED NORTH
P04	15.06.21	JUNCTION MOUTH MOVED NORTH

Rev/ Amdt	Date	Initial	Chk'd	Details
P04	15.06.21	SN	LD	AMENDED FOR CLIENT COMMENTS
P03	15.10.20	SN	GDS	AMENDED FOR RSA COMMENTS
P02	05.05.20	SN	GDS	AMENDED FOR CLIENT COMMENTS - ISSUED FOR PRICING
P01	17.04.20	SN	GDS	ISSUED FOR PRICING

ESTIMATING

CORPORATE DIRECTOR
REGENERATION & LOCAL SERVICES
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DURHAM
DH1 5 UQ

Tel. 03000 261000 www.Durham.gov.uk

Project

A167 CENTRAL AVENUE
NEWTON AYCLIFFE

Drawing

ENGINEERING LAYOUT
SHEET 2 OF 2

Drawn	: EAS	Date: 07.04.20
Designed	: SN	Date: 07.04.20
Checked	: GDS	Date: 07.04.20
Approved	: JS	Date: 07.04.20

Drawing No. 1383228 - DCC - HE - 03 - 02
Revision P04
Location Newton Aycliffe
Drawing Scale: 1:250
Original Sheet Size A0

DO NOT SCALE FROM DRAWING

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION - RESIDUAL HAZARD INFORMATION

IN ADDITION TO THE HAZARDS / RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING.

CONSTRUCTION
1. THERE ARE RISKS INVOLVED WITH CONSTRUCTION WITH THE POTENTIAL PRESENCE OF HYPODERMIC NEEDLES.

2. EXISTING STATUTORY UNDERTAKER'S APPARATUS IS SHOWN ON UTILITY DRAWING SHEETS. THERE MAY BE ADDITIONAL UTILITIES PRESENT THAT ARE NOT IDENTIFIED ON THIS AND ASSOCIATED DRAWINGS.
THE CONTRACTOR SHALL CARRY OUT SCANS / INVESTIGATIONS, AS APPROPRIATE, PRIOR TO COMMENCEMENT OF ANY EXCAVATION.

3. THE CONTRACTOR MUST ENSURE THAT THE WORKFORCE OPERATES IN A SAFE AND HYGIENIC MANNER AND APPROPRIATE PPE IS PROVIDED FOR OPERATIONS CARRIED OUT.

4. THE CONTRACTOR SHOULD BE AWARE THAT DUE TO THE LOCATION OF THE WORKS THERE WILL LIKELY BE A HIGHER PROPORTION OF COMMERCIAL VEHICLES THEREFORE THE WORKFORCE SHOULD BE VIGILANT AT ALL TIMES FOR LIVE TRAFFIC.

MAINTENANCE / CLEANING / OPERATION
1. THERE ARE NO KNOWN EXCEPTIONAL RISKS.

DECOMMISSIONING / DEMOLITION
1. THERE ARE NO KNOWN EXCEPTIONAL RISKS.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

Drawing file path & name K:\DTL Coded Projects\1383228 Central Avenue_A167 Central Avenue\S_CAD\1_DR\1383228_DCC_HE_03_01 Engineering Layout P04.dwg
Plotted by & date: Stewart Naylor 31/10/2022