

IT IS RECOMMENDED TO HAVE AN ARBORICULTURIST ON SITE TO MONITOR THE EXCAVATION WORK AND CONDITION OF TREE



KEY
EXISTING HIGHWAY BOUNDARY
PROPOSED 50mm THICK CAMBRIDGESHIRE ASPHALT SURFACE COURSE (CLAUSE 12.02) ON 190mm AC 20 DENSE BIN ON RECOMPACT EXISTING TYPE 1 SUB BASE TO CLAUSE 803
PROPOSED 50mm THICK CAMBRIDGESHIRE ASPHALT SURFACE COURSE (CLAUSE 12.02) ON 65mm AC 20 DENSE BIN
PROPOSED 50mm THICK CAMBRIDGESHIRE ASPHALT SURFACE COURSE WITH 68 PSV (CLAUSE 12.02 OR 12.04) ON 65mm AC 20 DENSE BIN
PROPOSED FOOTWAY ASPHALT: 25mm THICK AC6 DENSE SURF LAID ON 60mm THICK AC14 CLOSE SURF DENSE ASPHALT CONCRETE EXISTING TYPE 1 SUB BASE TO BE RECOMPACTED TO CLAUSE 803
PROPOSED 25mm THICK AC6 DENSE SURF LAID ON 60mm THICK AC14 CLOSE SURF DENSE ASPHALT CONCRETE ON 150mm TYPE 1 SUB BASE
PROPOSED BUFF CW SURFACING 65mm THICK TACTILE PAVING ON 25mm SAND CEMENT MORTAR BED LAID ON 60mm BINDER COURSE EXISTING TYPE 1 SUB BASE TO BE RECOMPACTED TO CLAUSE 803
PROPOSED BUFF CW SURFACING 65mm THICK TACTILE PAVING ON 25mm SAND CEMENT MORTAR BED LAID ON 60mm BINDER COURSE AND 150mm TYPE 1 SUB BASE
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PROPOSED 100 x 200 x 80mm PRE-CAST CONCRETE BLOCK WITH APPLIED BALLTINI TO BE INSTALLED AS PART OF THE TACTILE ARRANGEMENT
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RED COLOURED STONE MASTIC ASPHALT 6mm SURF (CLAUSE 18.05), 25mm THICK LAID ON 60mm THICK AC14 CLOSE SURF DENSE ASPHALT CONCRETE EXISTING TYPE 1 SUB BASE TO BE RECOMPACTED TO CLAUSE 803
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PROPOSED 200mm x 100mm x 80mm RED PRECAST CONCRETE RECTANGULAR BLOCKS LAID ON 30mm CATEGORY II LAYING COURSE SAND TO BS7533 ON 150mm AC20 DENSE BIN 40-60 PEN
PROPOSED RAIN GARDEN: PLANTING ON 300mm TOPSOIL AND 250mm SUBSOIL AND 200mm OF DRAINAGE AGGREGATE. REFER TO LANDSCAPE DRAWING WHEN AVAILABLE FOR PLANTING AND FULL DETAILS
PROPOSED GRASS: ON 150mm TOPSOIL AND 300mm SUBSOIL. REFER TO LANDSCAPE DRAWING WHEN AVAILABLE FOR PLANTING AND FULL DETAILS
PROPOSED COMBINED KERB AND DRAINAGE SYSTEM, FOR FULL DETAILS PLEASE REFER TO 9468-WSP-BA-XX-DR-CD-00001_DRAINAGE STANDARD DETAILS
PROPOSED 125mm x 150mm PRE-CAST CONCRETE BULLNOSE KERB LAID ON 150mm CONCRETE AS PER THE HERCS STANDARDS
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PROPOSED 50mm TIMBER EDGE AND PEGS ON EXISTING SURFACE
PROPOSED RAMP
PROPOSED SINUSOIDAL HUMP
PROPOSED YELLOW LINE MARKING
PROPOSED WHITE LINE MARKING
PROPOSED SIGN AND POST
PROPOSED TRAFFIC SIGNAL, SHOWN INDICATIVELY AND IS SUBJECT TO A FULL TRAFFIC SIGNAL DESIGN
PROPOSED LIGHTING COLUMN, SHOWN INDICATIVELY AND IS SUBJECT TO A FULL LIGHTING DESIGN
PROPOSED STREET NAME PLATE
PROPOSED LITTER BIN
PROPOSED SFAT TYPE 2 / TYPE 3 MANHOLE
PROPOSED TIMBER BOLLARD

NEW KERBLINE PROPOSED TO PROVIDE A 3M SHARED USE FOOTWAY WHILST NOT ENCRoACHING INTO EXISTING VEGETATION

EXISTING HEDGING WITHIN THE HIGHWAY BOUNDARY TO BE RETAINED

RISK: WATER PIPE LINE PASSING IN THE VICINITY OF WORKS. EXTRA CARE TO BE TAKEN DURING ANY EXCAVATION WORKS



PROPOSAL TO BE SUBMITTED AS PART OF THE REMAINING DETAILED DESIGN PACK

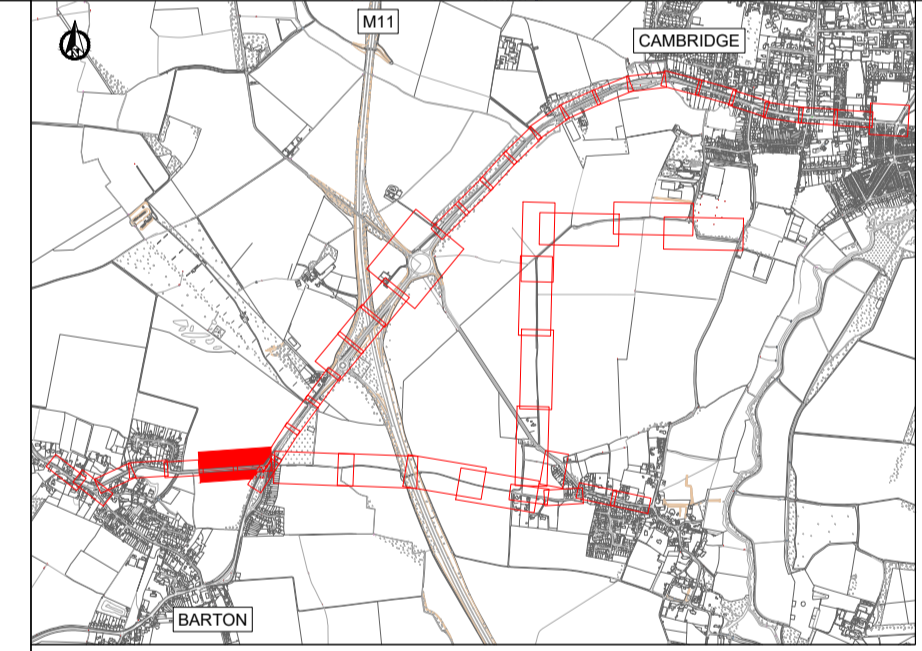
FOR CONTINUATION REFER TO DRG. 9468-WSP-BA-XX-DR-HW-000100-14

EXISTING GRASS TO BE OVERSEED OR MADE GOOD WHERE REQUIRED.

- NOTES:**
- 1) EXACT LOCATION OF PROPOSED FOOTWAY AND CARRIAGEWAY GULLIES TO BE CONFIRMED ONCE 3D DRAINAGE MODELLING IS DETERMINED
 - 2) PLEASE REFER TO THE TRAFFIC SIGNAL DESIGN PACK, WHEN AVAILABLE, FOR FULL DETAILS OF THE SIGNAL WORKS TO BE UNDERTAKEN
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 - 9) FOR DETAILS REGARDING COMBINED KERB AND DRAINAGE SYSTEM, PLEASE REFER TO 9468-WSP-BA-XX-DR-CD-00001_DRAINAGE STANDARD DETAILS

- KEY**
- SP EXISTING SIGN AND POST TO BE RETAINED
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 - BIN EXISTING LITTER BIN TO BE RETAINED
 - UCB EXISTING UTILITY CABINET TO BE RETAINED
 - SSC EXISTING STANDARD SERVICE COVER TO BE RAISED/LOWERED TO SUIT NEW LEVELS
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- KEY**
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 - SFA7 PROPOSED SFAT TYPE 2 MANHOLE
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 - VEG EXISTING VEGETATION TO BE TRIMMED
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NO PROPOSED WORKS ON THE SOUTHERN FOOTWAY

REV	DATE	BY	DESCRIPTION	CHK	APD
P04	25.06.2024	AK	UPDATED AS PER TR0 & PARISH COMMENTS	AOS	JAH
P03	13.10.2023	MM	UPDATED AS PER RSA 2	JAH	CDS
P02	01.09.2023	AK	FOR CONSTRUCTION	JAH	CDS
P01	05.08.2023	AK	UPDATED AS PER MILESTONE COMMENTS	JAH	CDS

DRAWING STATUS: DETAILED DESIGN

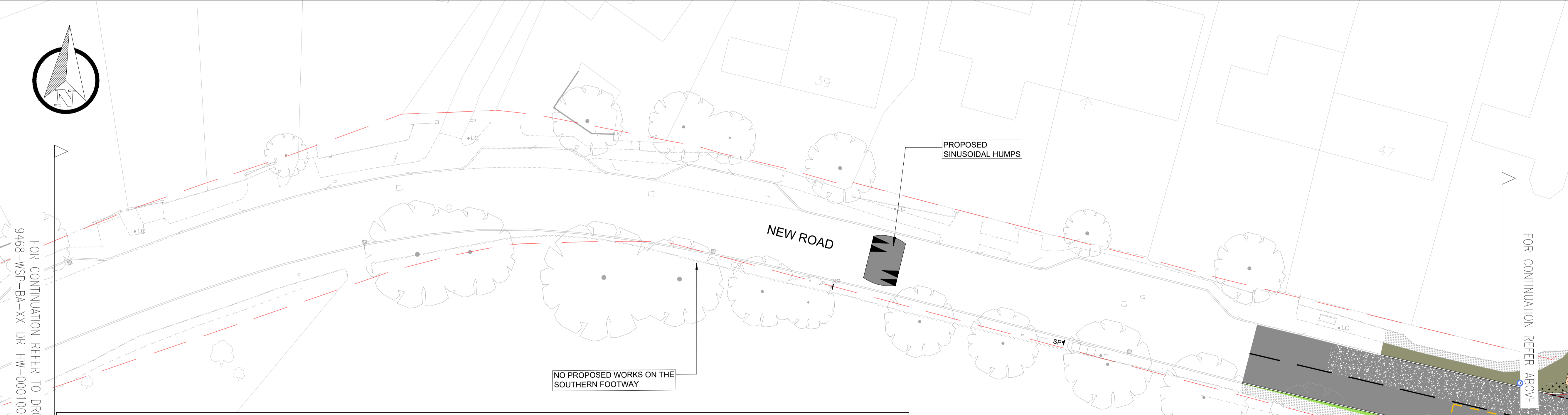
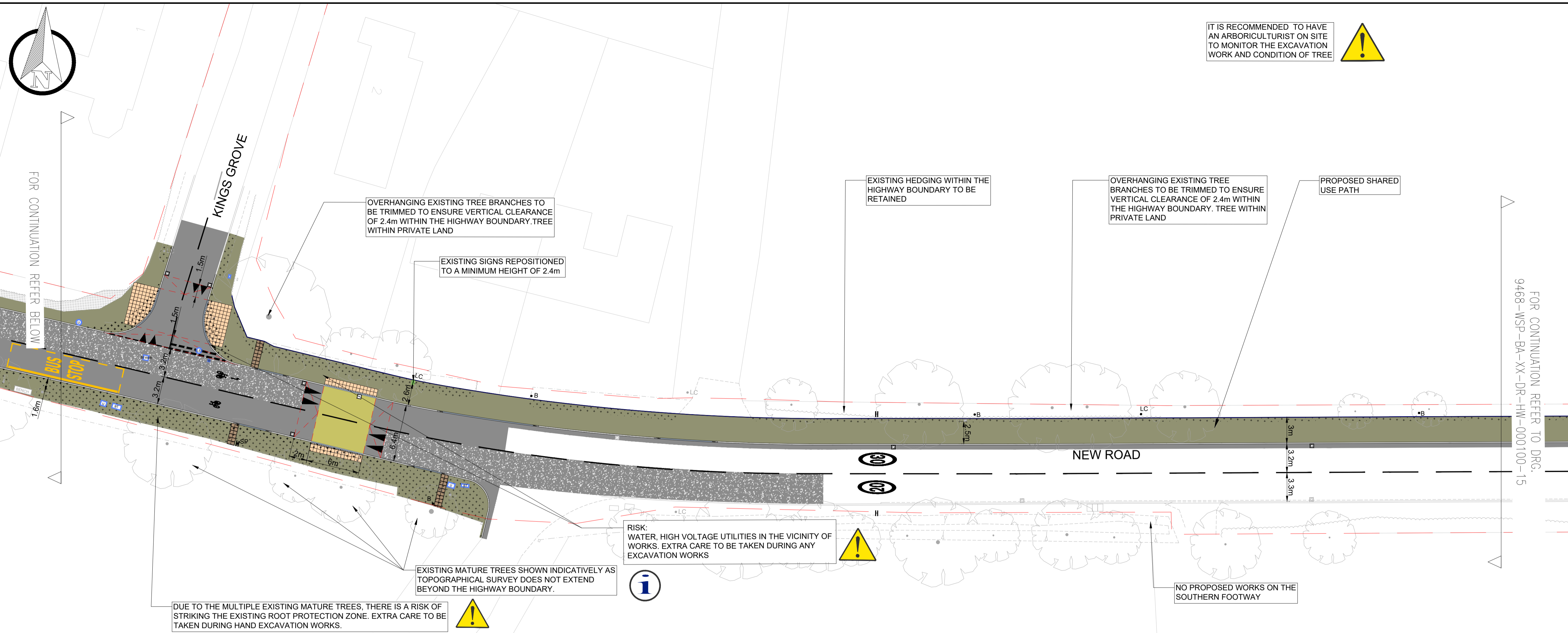
70 Chancery Lane, London, WC2A 1AF
www.wsp.com

GREATER CAMBRIDGE PARTNERSHIP

PROJECT: BARTON GREENWAY
TITLE: GENERAL ARRANGEMENT
SHEET 15 OF 26

SCALE @ A1	DATE	DESIGN/DRAWN	CHECKED	APPROVED	SHEET
1:250	25.06.2024	AOS	JAH	CDS	A1

WSP PROJECT NO.	DRAWING No.	REV
70099468	9468-WSP-BA-XX-DR-HW-000100-15	P04



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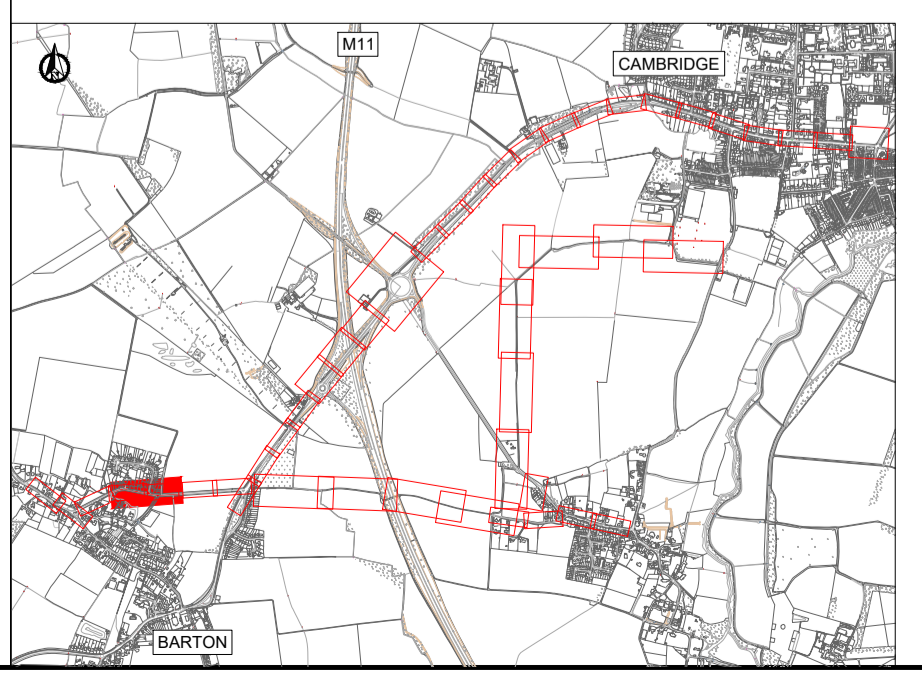
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PO4	25.06.2024	JK	UPDATED AS PER TRO & PARISH COMMENTS	JAH	CDS
PO3	13.10.2023	MM	UPDATED AS PER RSA 2	JAH	CDS
PO2	01.09.2023	JK	FOR CONSTRUCTION	JAH	CDS
PO1	05.08.2023	MS	UPDATED AS PER MILESTONE COMMENTS	JAH	CDS
REV	DATE	BY	DESCRIPTION	CHK	APD

DRAWING STATUS

DETAILED DESIGN

wsp

70 Chancery Lane, London, WC2A 1AF
www.wsp.com

CLIENT

GREATER CAMBRIDGE PARTNERSHIP

PROJECT

BARTON GREENWAY

TITLE

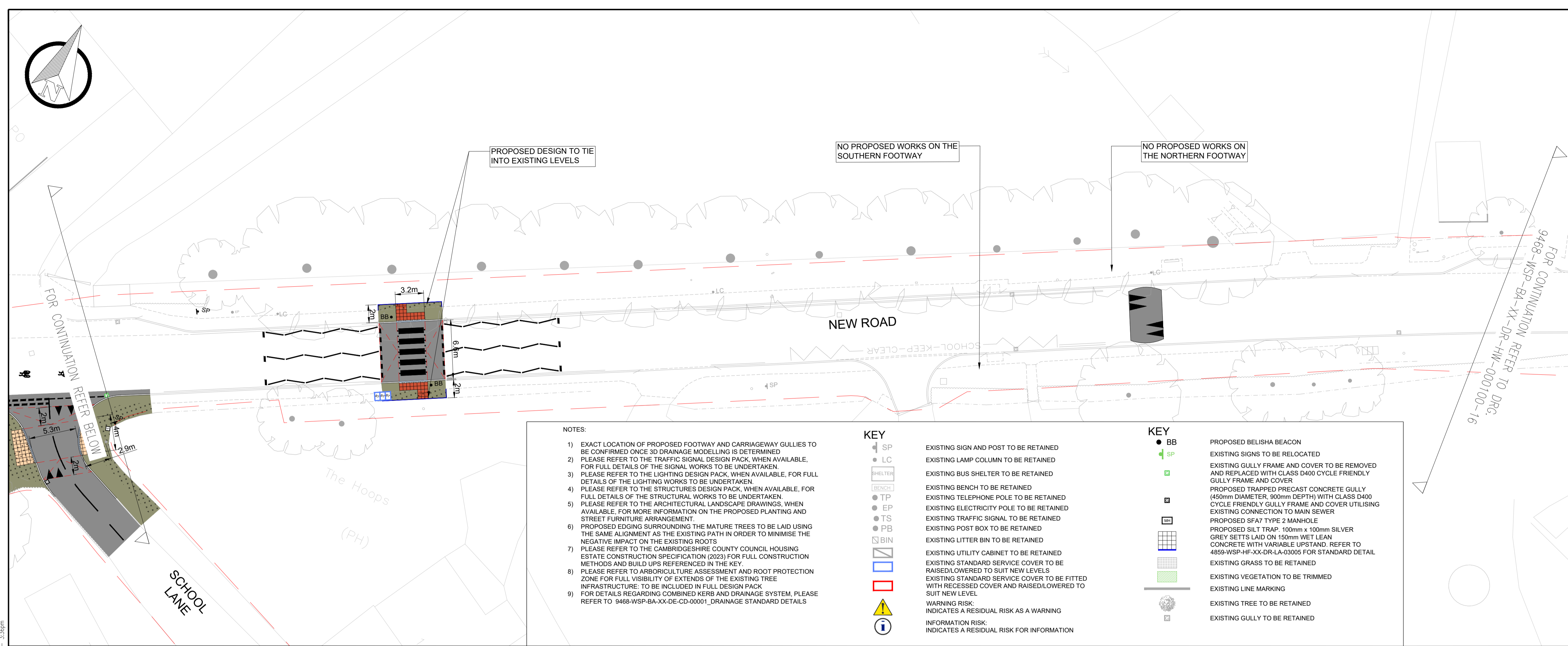
GENERAL ARRANGEMENT

SHEET 16 OF 26

SCALE @ A1: 1:250 DATE: 25.06.2024 DESIGN/DRW: AOWS CHECKED: JAH APPROVED: CDS SHEET: A1

WSP PROJECT NO: 70099468

DRAWING NO: 9468-WSP-BA-XX-DR-HW-000100-16 REV: P04



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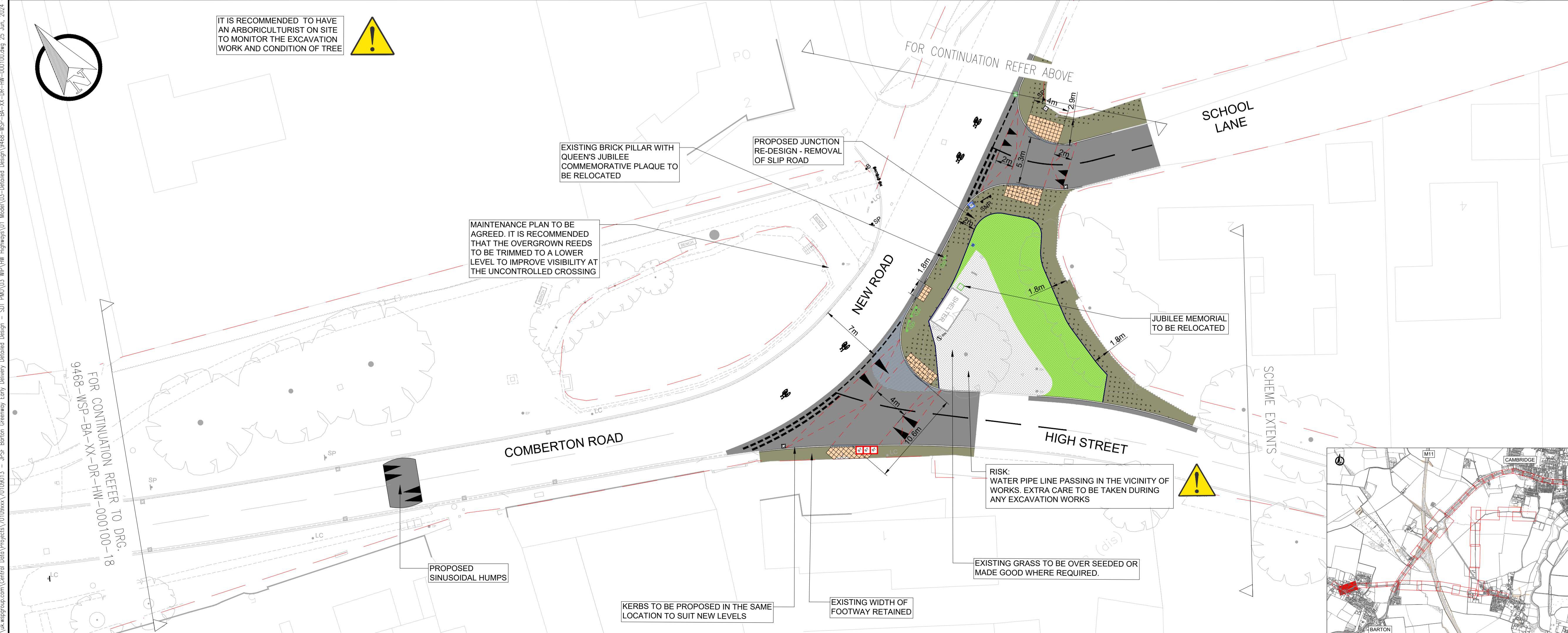
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 - FOR DETAILS REGARDING COMBINED KERB AND DRAINAGE SYSTEM, PLEASE REFER TO 9468-WSP-BA-XX-DE-CD-0001_DRAINAGE STANDARD DETAILS

KEY

- SP EXISTING SIGN AND POST TO BE RETAINED
- LC EXISTING LAMP COLUMN TO BE RETAINED
- SHELTER EXISTING BUS SHELTER TO BE RETAINED
- TP EXISTING BENCH TO BE RETAINED
- EP EXISTING TELEPHONE POLE TO BE RETAINED
- TS EXISTING ELECTRICITY POLE TO BE RETAINED
- TS EXISTING TRAFFIC SIGNAL TO BE RETAINED
- PB EXISTING POST BOX TO BE RETAINED
- BB EXISTING LITTER BIN TO BE RETAINED
- BN EXISTING UTILITY CABINET TO BE RETAINED
- BN EXISTING STANDARD SERVICE COVER TO BE RAISED/LOWERED TO SUIT NEW LEVELS
- BN EXISTING STANDARD SERVICE COVER TO BE FITTED WITH RECESSED COVER AND RAISED/LOWERED TO SUIT NEW LEVEL
- W WARNING RISK: INDICATES A RESIDUAL RISK AS A WARNING
- I INFORMATION RISK: INDICATES A RESIDUAL RISK FOR INFORMATION

KEY

- BB PROPOSED BELISHA BEACON
- SP EXISTING SIGNS TO BE RELOCATED
- SP EXISTING GULLY FRAME AND COVER TO BE REMOVED AND REPLACED WITH CLASS D400 CYCLE FRIENDLY GULLY FRAME AND COVER
- SP PROPOSED TRAPPED PRECAST CONCRETE GULLY (450mm DIAMETER, 900mm DEPTH) WITH CLASS D400 CYCLE FRIENDLY GULLY FRAME AND COVER UTILISING EXISTING CONNECTION TO MAIN SEWER
- SP PROPOSED SFA7 TYPE 2 MANHOLE
- SP PROPOSED SILT TRAP, 100mm x 100mm SILVER GREY SETTS LAID ON 150mm WET LEAN CONCRETE WITH VARIABLE UPSTAND. REFER TO 4859-WSP-HF-XX-DR-LA-03005 FOR STANDARD DETAIL
- SP EXISTING GRASS TO BE RETAINED
- SP EXISTING VEGETATION TO BE TRIMMED
- SP EXISTING LINE MARKING
- SP EXISTING TREE TO BE RETAINED
- SP EXISTING GULLY TO BE RETAINED



IT IS RECOMMENDED TO HAVE AN ARBORICULTURIST ON SITE TO MONITOR THE EXCAVATION WORK AND CONDITION OF TREE

EXISTING BRICK PILLAR WITH QUEEN'S JUBILEE COMMEMORATIVE PLAQUE TO BE RELOCATED

PROPOSED JUNCTION RE-DESIGN - REMOVAL OF SLIP ROAD

MAINTENANCE PLAN TO BE AGREED. IT IS RECOMMENDED THAT THE OVERGROWN REEDS TO BE TRIMMED TO A LOWER LEVEL TO IMPROVE VISIBILITY AT THE UNCONTROLLED CROSSING

JUBILEE MEMORIAL TO BE RELOCATED

RISK: WATER PIPE LINE PASSING IN THE VICINITY OF WORKS. EXTRA CARE TO BE TAKEN DURING ANY EXCAVATION WORKS

EXISTING GRASS TO BE OVER SEEDDED OR MADE GOOD WHERE REQUIRED.

PROPOSED SINUSOIDAL HUMPS

KERBS TO BE PROPOSED IN THE SAME LOCATION TO SUIT NEW LEVELS

EXISTING WIDTH OF FOOTWAY RETAINED

NO	DATE	BY	DESCRIPTION	CHK	APP
P04	25.06.2024	AK	UPDATED AS PER TRO & PARISH COMMENTS	JAH	CDS
P03	13.10.2023	MM	UPDATED AS PER RIA 2	JAH	CDS
P02	01.09.2023	AK	FOR CONSTRUCTION	JAH	CDS
P01	05.08.2023	AS	UPDATED AS PER WELLSITE COMMENTS	JAH	CDS

DRAWING STATUS

DETAILED DESIGN

wsp

70 Chancery Lane, London, WC2A 1AF
www.wsp.com

CLIENT

GREATER CAMBRIDGE PARTNERSHIP

PROJECT

BARTON GREENWAY

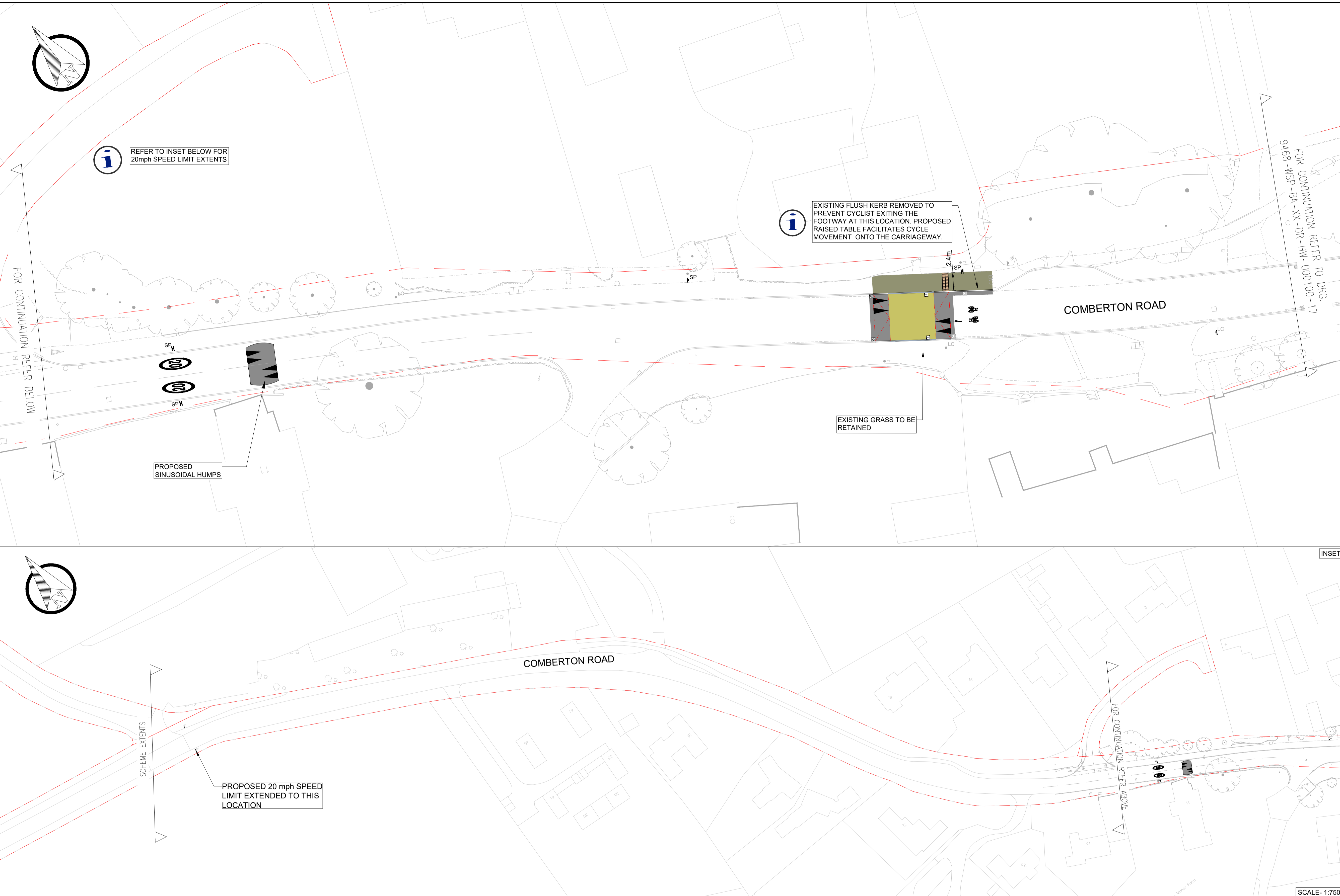
TITLE

GENERAL ARRANGEMENT SHEET 17 OF 26

SCALE @ A1
DATE 25.06.2024
DESIGN/DRAWN AOS
CHECKED JAH
APPROVED CDS
SHEET A1

WSP PROJECT NO. 70099468

DRAWING No. 9468-WSP-BA-XX-DR-HW-000100-17
REV P04



KEY

- EXISTING HIGHWAY BOUNDARY
- PROPOSED 50mm THICK CAMBRIDGESHIRE ASPHALT SURFACE COURSE (CLAUSE 12.02) ON 190mm AC 20 DENSE BIN ON RECOMPACT EXISTING TYPE 1 SUB BASE TO CLAUSE 803
- PROPOSED 50mm THICK CAMBRIDGESHIRE ASPHALT SURFACE COURSE (CLAUSE 12.02) ON 65mm AC 20 DENSE BIN
- PROPOSED 50mm THICK CAMBRIDGESHIRE ASPHALT SURFACE COURSE WITH 68 PSV (CLAUSE 12.02 OR 12.04) ON 65mm AC 20 DENSE BIN
- PROPOSED FOOTWAY ASPHALT: 25mm THICK AC6 DENSE SURF LAID ON 60mm THICK AC14 CLOSE SURF DENSE ASPHALT CONCRETE. EXISTING TYPE 1 SUB BASE TO BE RECOMPACTED TO CLAUSE 803
- PROPOSED 25mm THICK AC6 DENSE SURF LAID ON 60mm THICK AC14 CLOSE SURF DENSE ASPHALT CONCRETE ON 150mm TYPE 1 SUB BASE
- PROPOSED BUFF CW SURFACING 65mm THICK TACTILE PAVING ON 25mm SAND CEMENT MORTAR BED LAID ON 60mm BINDER COURSE. EXISTING TYPE 1 SUB BASE TO BE RECOMPACTED TO CLAUSE 803.
- PROPOSED BUFF CW SURFACING 65mm THICK TACTILE PAVING ON 25mm SAND CEMENT MORTAR BED LAID ON 60mm BINDER COURSE AND 150mm TYPE 1 SUB BASE
- PROPOSED RED 65mm THICK TACTILE PAVING ON 25mm SAND CEMENT MORTAR BED LAID ON 60mm BINDER COURSE. EXISTING TYPE 1 SUB BASE TO BE RECOMPACTED TO CLAUSE 803
- PROPOSED RED 65mm THICK TACTILE PAVING ON 25mm SAND CEMENT MORTAR BED LAID ON 60mm BINDER COURSE AND 150mm TYPE 1 SUB BASE
- PROPOSED 100 x 200 x 20mm PRE-CAST CONCRETE BLOCK WITH APPLIED BALLONTINI TO BE INSTALLED AS PART OF THE TACTILE ARRANGEMENT
- PROPOSED 65mm THICK TRAMLIN PAVING ON 25mm SAND CEMENT MORTAR BED LAID ON 60mm BINDER COURSE AND 150mm TYPE 1 SUB BASE
- PROPOSED 65mm THICK TRAMLIN PAVING ON 25mm SAND CEMENT MORTAR BED LAID ON 60mm BINDER COURSE AND 150mm TYPE 1 SUB BASE
- RED COLOURED STONE MASTIC ASPHALT 6mm SURF (CLAUSE 18.05), 25mm THICK LAID ON 60mm THICK AC14 CLOSE SURF DENSE ASPHALT CONCRETE. EXISTING TYPE 1 SUB BASE TO BE RECOMPACTED TO CLAUSE 803
- RED COLOURED STONE MASTIC ASPHALT 6mm SURF (CLAUSE 18.05), 25mm THICK LAID ON 60mm THICK AC14 CLOSE SURF DENSE ASPHALT CONCRETE ON 225mm TYPE 1 SUB BASE
- PROPOSED 200mm x 100mm x 80mm RED PRE-CAST CONCRETE RECTANGULAR BLOCKS LAID ON 30mm CATEGORY III LAYING COURSE SAND TO BS7533 ON 190mm AC20 DENSE BIN 40-60 PEN
- PROPOSED RAIN GARDEN: PLANTING ON 300mm TOPSOIL AND 250mm SUBSOIL, AND 200mm OF DRAINAGE AGGREGATE. REFER TO LANDSCAPE DRAWING WHEN AVAILABLE FOR PLANTING AND FULL DETAILS
- PROPOSED GRASS: ON 150mm TOPSOIL AND 300mm SUBSOIL. REFER TO LANDSCAPE DRAWING WHEN AVAILABLE FOR PLANTING AND FULL DETAILS
- PROPOSED COMBINED KERB AND DRAINAGE SYSTEM. FOR FULL DETAILS PLEASE REFER TO 9468-WSP-BA-XX-DE-CD-0001_DRAINAGE STANDARD DETAILS
- PROPOSED 125mm x 150mm PRE-CAST CONCRETE BULLNOSE KERB LAID ON 150mm CONCRETE AS PER THE HERCS STANDARDS
- PROPOSED 50mm x 150mm PRE-CAST CONCRETE EDGING LAID ON 150mm CONCRETE AS PER THE HERCS STANDARDS
- PROPOSED 125mm x 150mm PRE-CAST CONCRETE FLUSH KERB WITH DROPPER LAID ON 150mm CONCRETE AS PER THE HERCS STANDARDS (25mm UPSTAND)
- PROPOSED 200mm TRAPEZOIDAL STRIP LAID ON 150mm CONCRETE AS PER THE HERCS STANDARDS
- PROPOSED 50mm TIMBER EDGE AND PEGS ON EXISTING SURFACE
- PROPOSED RAMP
- PROPOSED SINUSOIDAL HUMP
- PROPOSED YELLOW LINE MARKING
- PROPOSED WHITE LINE MARKING
- SP PROPOSED SIGN AND POST
- TS PROPOSED TRAFFIC SIGNAL, SHOWN INDICATIVELY AND IS SUBJECT TO A FULL TRAFFIC SIGNAL DESIGN
- LC PROPOSED LIGHTING COLUMN, SHOWN INDICATIVELY AND IS SUBJECT TO A FULL LIGHTING DESIGN
- SNP PROPOSED STREET NAME PLATE
- MIN PROPOSED LITTER BIN
- MANHOLE PROPOSED SFA7 TYPE 2 / TYPE 3 MANHOLE
- B PROPOSED TIMBER BOLLARD

REV	DATE	BY	DESCRIPTION	CHK	APD
P04	25.06.2024	JK	UPDATED AS PER TRO & PARISH COMMENTS	JAH	CDS
P03	13.10.2023	MM	UPDATED AS PER RSA 2	JAH	CDS
P02	01.09.2023	JK	FOR CONSTRUCTION	JAH	CDS
P01	05.08.2023	AS	UPDATED AS PER MILESTONE COMMENTS	JAH	CDS

DRAWING STATUS: **DETAILED DESIGN**

wsp

70 Chancery Lane, London, WC2A 1AF
www.wsp.com

GREATER CAMBRIDGE PARTNERSHIP

PROJECT: **BARTON GREENWAY**

TITLE: **GENERAL ARRANGEMENT SHEET 18 OF 26**

SCALE @ A1	DATE	DESIGN/DRAWN	CHECKED	APPROVED	SHEET
1:250	25.06.2024	AOS	JAH	CDS	A1

DRAWING NO.	REV
9468-WSP-BA-XX-DR-HW-000100-18	P04

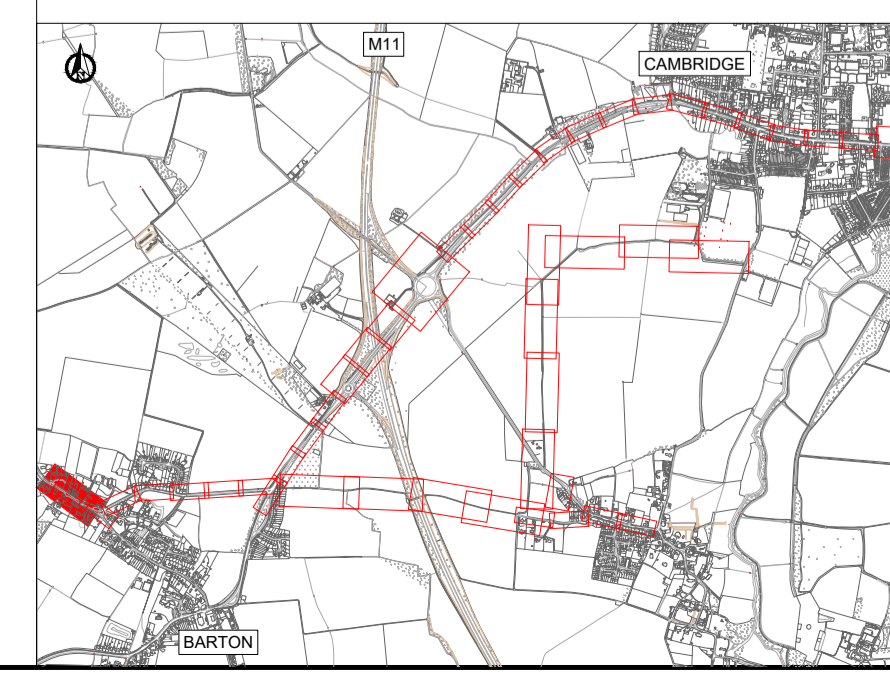
- NOTES:**
- EXACT LOCATION OF PROPOSED FOOTWAY AND CARRIAGEWAY GULLIES TO BE CONFIRMED ONCE 3D DRAINAGE MODELLING IS DETERMINED
 - PLEASE REFER TO THE TRAFFIC SIGNAL DESIGN PACK, WHEN AVAILABLE, FOR FULL DETAILS OF THE SIGNAL WORKS TO BE UNDERTAKEN.
 - PLEASE REFER TO THE LIGHTING DESIGN PACK, WHEN AVAILABLE, FOR FULL DETAILS OF THE LIGHTING WORKS TO BE UNDERTAKEN
 - PLEASE REFER TO THE STRUCTURES DESIGN PACK, WHEN AVAILABLE, FOR FULL DETAILS OF THE STRUCTURAL WORKS TO BE UNDERTAKEN.
 - PLEASE REFER TO THE ARCHITECTURAL LANDSCAPE DRAWINGS, WHEN AVAILABLE, FOR MORE INFORMATION ON THE PROPOSED PLANTING AND STREET FURNITURE ARRANGEMENT.
 - PROPOSED EDGING SURROUNDING THE MATURE TREES TO BE LAID USING THE SAME ALIGNMENT AS THE EXISTING PATH IN ORDER TO MINIMISE THE NEGATIVE IMPACT ON THE EXISTING ROOTS
 - PLEASE REFER TO THE CAMBRIDGESHIRE COUNTY COUNCIL HOUSING ESTATE CONSTRUCTION SPECIFICATION (2023) FOR FULL CONSTRUCTION METHODS AND BUILD UPS REFERENCED IN THE KEY.
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- GULLY EXISTING GULLY TO BE RETAINED



W:\uk\wsp\proj\9468-WSP-BA-XX-DR-HW-000100-18 - P04 Barton Greenway Early Delivery Detailed Design - SOT_P04\03_WSP_HW_Highways\01_Model\03-Detailed_Design\9468-WSP-BA-XX-DR-HW-000100-18.dwg 25 Jun 2024 13:37pm