

M11

CAMBRIDGE

BARTON

GRANTCHESTER

- KEY
- INDICATING EARLY WORKS
 - INDICATING REMAINDER OF THE WORKS

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

DRAWING STATUS

DETAILED DESIGN



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



GREATER
CAMBRIDGE
PARTNERSHIP

PROJECT

BARTON GREENWAY

TITLE

GENERAL ARRANGEMENT
OVERVIEW

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

WSP PROJECT NO.

70099468

DRAWING No.	REV.
9468-WSP-BA-XX-DR-HW-000100-00	P04

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OVERHANGING EXISTING TREE
BRANCHES TO BE TRIMMED TO ENSURE
VERTICAL CLEARANCE OF 2.4m. TREE
WITHIN THE HIGHWAY BOUNDARY.



HARDWICK STREET

NO PROPOSED WORKS ON
THE SOUTHERN FOOTWAY

- 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 SIGNALS TO BE UNDERTAKEN
- 3) PLEASE REFER TO THE LIGHTING DESIGN PACK, WHEN AVAILABLE, FOR FULL DETAILS OF THE LIGHTING WORKS TO BE UNDERTAKEN
- 4) PLEASE REFER TO THE STRUCTURES DESIGN PACK, WHEN AVAILABLE, FOR FULL DETAILS OF THE STRUCTURAL WORKS TO BE UNDERTAKEN
- 5) PLEASE REFER TO THE ARCHITECTURAL LANDSCAPE DRAWINGS, WHEN AVAILABLE, FOR MORE INFORMATION ON THE PROPOSED PLAYING AND STREET FURNITURE ARRANGEMENT
- 6) 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
- 7) PLEASE REFER TO THE COUNTY COUNCIL HOUSING ESTATE CONSTRUCTION SPECIFICATION (2023) FOR FULL CONSTRUCTION METHODS AND BUILD UPS REFERENCED IN THE KEY
- 8) PLEASE REFER TO ARBORICULTURE ASSESSMENT AND ROOT PROTECTION ZONE FOR FULL VISIBILITY OF EXTENDS OF THE EXISTING TREE INFRASTRUCTURE TO BE MAINTAINED FOR THE PACK
- 9) FOR DETAILS REGARDING COMBINED CBER AND DRAINAGE SYSTEM, PLEASE REFER TO 3468-WSP-BX-XX-DE-000001_DRAINAGE STANDARD DETAILS

 SP
 LC
 SHELTER
 BENCH
 TP
 EP
 TS
 PB
 BIN

EXISTING SIGN AND POST TO BE RETAINED
EXISTING LAMP COLUMN TO BE RETAINED
EXISTING BUS SHELTER TO BE RETAINED
EXISTING BENCH TO BE RETAINED
EXISTING TELEPHONE POLE TO BE RETAINED
EXISTING ELECTRICITY POLE TO BE RETAINED
EXISTING TRAFFIC SIGNAL TO BE RETAINED
EXISTING POST BOX TO BE RETAINED
EXISTING LITTER BIN TO BE RETAINED
EXISTING UTILITY CABINET TO BE RETAINED
EXISTING STANDARD SERVICE COVER TO BE
RAISED/LOWERED TO SUIT NEW LEVELS
EXISTING STANDARD SERVICE COVER TO BE
RAISED/LOWERED TO SUIT NEW LEVELS
EXISTING STANDARD SERVICE COVER TO BE
RAISED/LOWERED TO SUIT NEW LEVELS
WARNING RISK:
INDICATES A RESIDUAL RISK AS A WARNING
INFORMATION RISK:
INDICATES A RESIDUAL RISK FOR INFORMATION

PROPOSED BELISHA BEACON

EXISTING SIGNS TO BE RELOCATED

EXISTING GULLY FRAME AND COVER TO BE REMOVED
AND REPLACED WITH CLASS D400 CYCLE FRIENDLY
GULLY FRAME AND COVER

PROPOSED TRAPPED PRECAST CONCRETE GULLY
(450mm DIAMETER, 900mm DEPTH) WITH CLASS D400
CYCLE FRIENDLY GULLY FRAME AND COVER UTILISING
EXISTING CONNECTION TO MAIN SEWER

PROPOSED SFA7 TYPE 2 MANHOLE

PROPOSED SILT TRAP - 100mm x 100mm SILVER
BRASS NETS LAMPED WITH RED WET LEAN
CONCRETE WITH VARIABLE UPSTAND. REFER TO
4859-WSP-HF-XX-OR-LA-03005 FOR STANDARD DETAIL

EXISTING GRASS TO BE RETAINED

EXISTING VEGETATION TO BE TRIMMED

EXISTING LINE MARKING

EXISTING TREE TO BE RETAINED

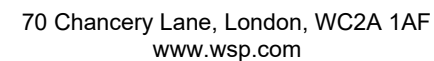
EXISTING GULLY FRAME TO BE RETAINED

EXISTING HIGHWAY BOUNDARY
PROPOSED 500mm THICK CAMBRIDGESHIRE ASPHALT SURFACE COURSE (CLAUSE 12.02) ON 190mm AC14 CLOUSE SURF DENSE ASPHALT 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 (CLAUSE 12.02) ON 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 CLOUSE SURF DENSE ASPHALT CONCRETE. EXISTING TYPE 1 SUB BASE TO CLAUSE 803
PROPOSED 25mm THICK AC6 DENSE SURF Laid ON 60mm THICK AC14 CLOUSE 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 COURSE AND 150mm 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 COURSE AND 150mm TYPE 1 SUB BASE
PROPOSED RED 65mm THICK TACTILE PAVING ON 25mm SAND CEMENT MORTAR BED Laid ON 60mm COURSE AND 150mm 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 COURSE AND 150mm TYPE 1 SUB BASE
PROPOSED 100 x 200 x 80mm PRE-CAST CONCRETE BLOCK WITH APPLIED BALLANTINI TO BE INSTALLED AS PART OF THE TACTILE ARRANGEMENT
PROPOSED 65mm THICK TRAMLINE PAVING ON 25mm SAND CEMENT MORTAR BED Laid ON 60mm BINDER COURSE. EXISTING TYPE 1 SUB BASE TO BE RECOMPACTED TO CLAUSE 803
PROPOSED 65mm THICK TRAMLINE 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 CLOUSE 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 CLOUSE SURF DENSE ASPHALT CONCRETE IN 250mm TYPE 1 SUB BASE
PROPOSED 200mm x 100mm x 80mm RED PRECAST CONCRETE RECTANGULAR BLOCKS Laid ON 30mm CATEGORY II LAYING COURSE SAND TO BS7533 ON 150mm AC10 DENSE ASPHALT 40-80 PEN
PROPOSED RAIN GARDEN: PLANTING ON 300mm TOPSOIL AND 250mm SUBSOIL AND 200mm OF DRAINAGE AGGREGATE. REFER TO LANDSCAPE ARCHITECT 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 THE HERC STANDARD DRAWING: DRAINAGE STANDARD DETAILS
PROPOSED 125mm x 150mm PRE-CAST CONCRETE BULLNOSE KERB Laid ON 150mm CONCRETE AS PER THE HERC STANDARDS
PROPOSED 50mm x 150mm PRE-CAST CONCRETE EDGING Laid ON 150mm CONCRETE AS PER THE HERC STANDARDS
PROPOSED 125mm x 150mm PRE-CAST CONCRETE FLUSH KERB WITH DROPPER Laid ON 150mm CONCRETE AS PER THE HERC STANDARDS (25mm TOPSOIL)
PROPOSED 200mm TRAPEZOIDAL STRIP Laid ON 150mm CONCRETE AS PER THE HERC STANDARDS
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, SHOWING INDICATIVELY. IT IS SUBJECT TO THE TRAFFIC SIGNAL DESIGN
PROPOSED LIGHTING COLUMN, SHOWN INDICATIVELY AND IS SUBJECT TO A FULL LIGHTING DESIGN
PROPOSED STREET NAME PLATE
PROPOSED LITTER BIN
PROPOSED SFA7 TYPE 2 / TYPE 3 MANHOLE
PROPOSED TIMBER BOLLARD

P04	25.06.2024	RK	UPDATED AS PER TRD & PARISH COMMENTS	AOS	JAH
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P02	01.09.2023	RK	FOR CONSTRUCTION	JAH	CDS
P01	05.08.2023	AOS	UPDATED AS PER MILESTONE COMMENTS	JAH	CDS
REV	DATE	BY	DESCRIPTION	CHK	APD

DRAWING STATUS

DETAILED DESIGN



CLIENT



**GREATER
CAMBRIDGE
PARTNERSHIP**

PROJECT

BARTON GREENWAY

GENERAL ARRANGEMENT
SHEET 01 OF 26

SCALE @ A1
1:250

DATE	DESIGN/DRAWN	CHECKED	APPROVED	SHEET
25.06.2024	AOS	JAH	CDS	A

WSP PROJECT NO.

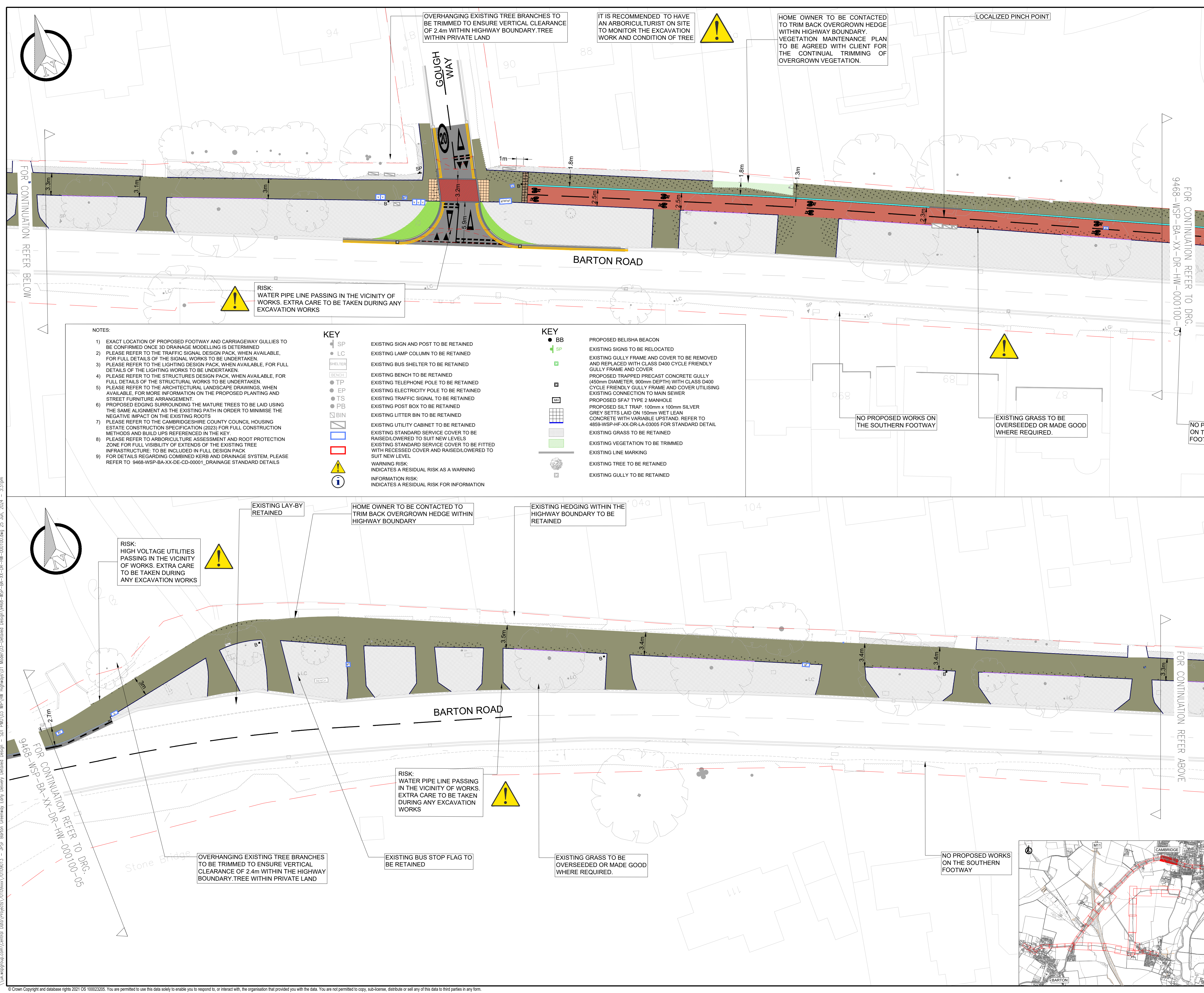
70099468

DRAWING No.

9468-WSP-BA-XX-DR-HW-000100-01

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 FSV (CLAUSE 12.02 OR 12.04) ON 16mm 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 80mm PRE-CAST CONCRETE BLOCK WITH APPLIED BALLOTTIN TO BE INSTALLED AS PART OF THE TACTILE ARRANGEMENT
- PROPOSED 65mm THICK TRAMLINE PAVING ON 25mm SAND CEMENT MORTAR BED LAID ON 60mm BINDER COURSE. EXISTING TYPE 1 SUB BASE TO BE RECOMPACTED TO CLAUSE 803
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- PROPOSED 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 PRECAST CONCRETE RECTANGULAR BLOCKS LAID ON 30mm 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-00001_DRAINAGE STANDARD DETAILS
- PROPOSED 125mm x 150mm PRE-CAST CONCRETE BULLNOSE KERB LAID ON 150mm CONCRETE AS PER THE HERCS STANDARDS
- PROPOSED 30mm 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
- PROPOSED SIGN AND POST
 - SP
 - TS
 - LC
 - SNP
 - BIN
 - B
- PROPOSED TRAFFIC SIGNAL, SHOWN INDICATIVELY AND IS SUBJECT TO A FULL TRAFFIC SIGNAL DESIGN
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- PROPOSED STREET NAME PLATE
- PROPOSED LITTER BIN
- PROPOSED SFA7 TYPE 2 / TYPE 3 MANHOLE
- PROPOSED TIMBER BOLLARD

REV	DATE	BY	DESCRIPTION	CHK	APD
P04	25.06.2024	RK	UPDATED AS PER TRO & PARISH COMMENTS	AOS	JAH
P03	13.10.2023	MM	UPDATED AS PER ISA 2	JAH	CDS
P02	01.09.2023	RK	FOR CONSTRUCTION	JAH	CDS
P01	05.08.2023	MS	UPDATED AS PER MILESTONE 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 04 OF 26

SCALE @ A1

DATE

25.06.2024

DESIGN/DRAWN

AOS

CHECKED

JAH

APPROVED

CDS

SHEET

A1

WSP PROJECT NO.

70099468

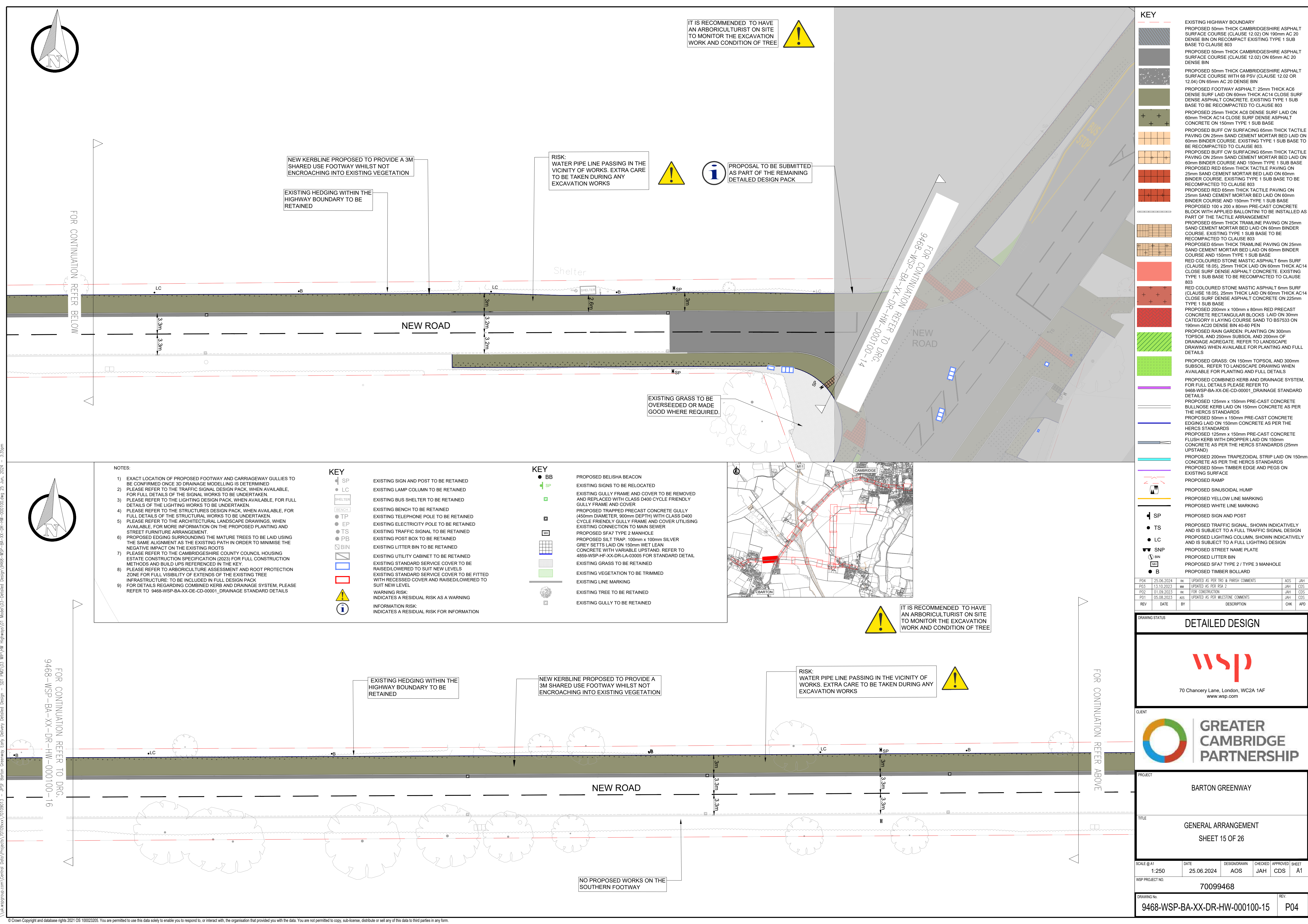
DRAWING No.

9468-WSP-BA-XX-DR-HW-000100-04

REV

P04





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



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



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

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

EXISTING HEDGING WITHIN THE HIGHWAY BOUNDARY TO BE RETAINED

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
- 3) PLEASE REFER TO THE LIGHTING DESIGN PACK, WHEN AVAILABLE, FOR FULL DETAILS OF THE LIGHTING WORKS TO BE UNDERTAKEN
- 4) PLEASE REFER TO THE STRUCTURES DESIGN PACK, WHEN AVAILABLE, FOR FULL DETAILS OF THE STRUCTURAL WORKS TO BE UNDERTAKEN
- 5) PLEASE REFER TO THE ARCHITECTURAL LANDSCAPE DRAWINGS, WHEN AVAILABLE, FOR MORE INFORMATION ON THE PROPOSED PLANTING AND STREET FURNITURE ARRANGEMENT
- 6) 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
- 7) PLEASE REFER TO THE CAMBRIDGESHIRE COUNTY COUNCIL HOUSING ESTATE CONSTRUCTION SPECIFICATION (2023) FOR FULL CONSTRUCTION METHODS AND BUILD UPS REFERENCED IN THE KEY
- 8) PLEASE REFER TO ARBORICULTURE ASSESSMENT AND ROOT PROTECTION ZONE FOR FULL VISIBILITY OF EXTENDS OF THE EXISTING TREE INFRASTRUCTURE. TO BE INCLUDED IN FULL DESIGN PACK
- 9) FOR DETAILS REGARDING COMBINED KERB AND DRAINAGE SYSTEM, PLEASE REFER TO 9468-WSP-BA-XX-DE-CD-00001_DRAINAGE STANDARD DETAILS

KEY

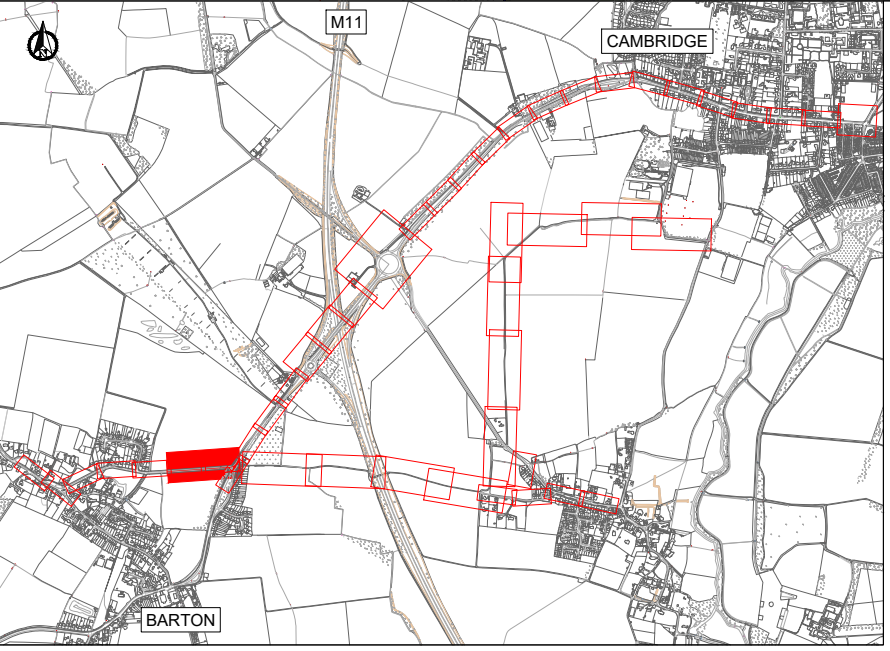
- SP
- LC
- SHUTTER
- BENCH
- TP
- EP
- TS
- PB
- BIN
- WARNING RISK
- INFORMATION RISK

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

KEY

- BB
- SP
- MAN
- MANHOLE
- EXISTING GRASS TO BE RETAINED
- EXISTING VEGETATION TO BE TRIMMED
- EXISTING LINE MARKING
- EXISTING TREE TO BE RETAINED
- EXISTING GULLY TO BE RETAINED

- PROPOSED BELISHA BEACON
- EXISTING SIGNS TO BE RELOCATED
- EXISTING GULLY FRAME AND COVER TO BE REMOVED AND REPLACED WITH CLASS D400 CYCLE FRIENDLY GULLY FRAME AND COVER
- PROPOSED TRAPPED PRECAST CONCRETE GULLY (450mm DIAMETER, 900mm DEPTH) WITH CLASS D400 CYCLE FRIENDLY GULLY FRAME AND COVER UTILISING EXISTING CONNECTION TO MAIN SEWER
- PROPOSED SFA7 TYPE 2 MANHOLE
- 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
- EXISTING GRASS TO BE RETAINED
- EXISTING VEGETATION TO BE TRIMMED
- EXISTING LINE MARKING
- EXISTING TREE TO BE RETAINED
- EXISTING GULLY TO BE RETAINED



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



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

EXISTING HEDGING WITHIN THE HIGHWAY BOUNDARY TO BE RETAINED

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

NEW ROAD

NO PROPOSED WORKS ON THE SOUTHERN FOOTWAY

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
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- PROPOSED 65mm THICK TRAMLINE PAVING ON 25mm SAND CEMENT MORTAR BED LAID ON 60mm BINDER COURSE. EXISTING TYPE 1 SUB BASE TO BE RECOMPACTED TO CLAUSE 803
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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 ON 225mm TYPE 1 SUB BASE
- 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-DE-CD-00001_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
- TS
- LC
- SNP
- BIN
- MAN
- B

PO4	25.06.2024	AK	UPDATED AS PER TR0 & PARISH COMMENTS	AOS	JAH
PO3	13.10.2023	MM	UPDATED AS PER RSA 2	JAH	CDS
PO2	01.09.2023	AK	FOR CONSTRUCTION	JAH	CDS
PO1	05.08.2023	AK	UPDATED AS PER WILSON COMMENTS	JAH	CDS
REV	DATE	BY	DESCRIPTION	CHK	APD

DRAWING STATUS

DETAILED DESIGN



CLIENT



PROJECT

BARTON GREENWAY

TITLE

GENERAL ARRANGEMENT

SHEET 15 OF 26

SCALE @ A1

1:250

DATE

25.06.2024

DESIGN/DRAWN

AOS

CHECKED

JAH

APPROVED

CDS

SHEET

A1

WSP PROJECT NO.

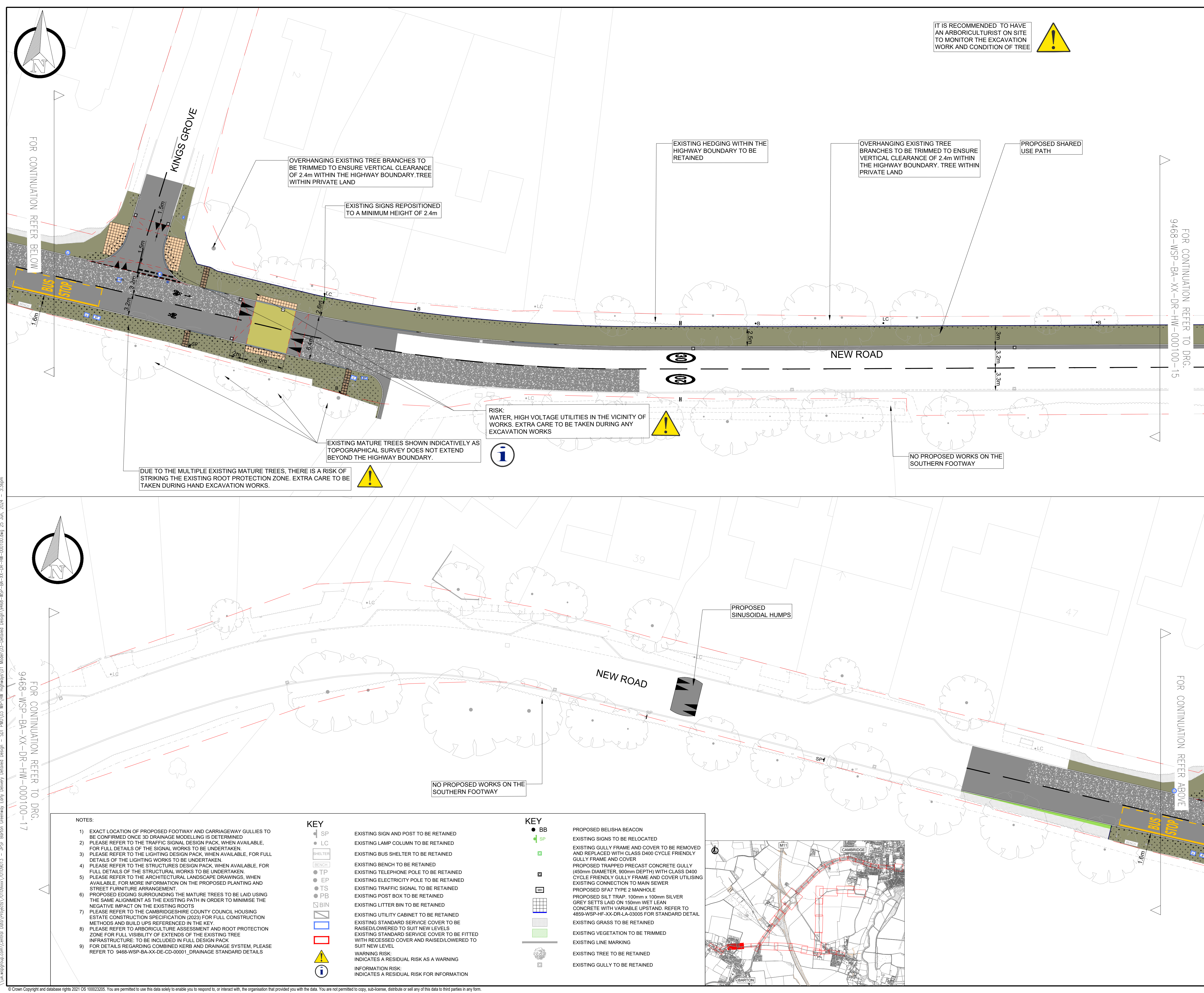
70099468

DRAWING NO.

9468-WSP-BA-XX-DR-HW-000100-15

REV

P04



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
- 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 80mm PRE-CAST CONCRETE BLOCK WITH APPLIED BALLONTINI TO BE INSTALLED AS PART OF THE TACTILE ARRANGEMENT
- PROPOSED 65mm THICK TRAMLINE PAVING ON 25mm SAND CEMENT MORTAR BED LAID ON 60mm BINDER COURSE. EXISTING TYPE 1 SUB BASE TO BE RECOMPACTED TO CLAUSE 803
- PROPOSED 65mm THICK TRAMLINE 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 II 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-00001_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
- BIN PROPOSED LITTER BIN
- MANHOLE PROPOSED SFA7 TYPE 2 / TYPE 3 MANHOLE
- B PROPOSED TIMBER BOLLARD

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

DRAWING STATUS

DETAILED DESIGN

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

WSP PROJECT NO. 70099468

DRAWING NO.	REV
9468-WSP-BA-XX-DR-HW-000100-16	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
 - PLEASE REFER TO ARBORICULTURE ASSESSMENT AND ROOT PROTECTION ZONE FOR FULL VISIBILITY OF EXTENDS OF THE EXISTING TREE INFRASTRUCTURE TO BE INCLUDED IN FULL DESIGN PACK
 - FOR DETAILS REGARDING COMBINED KERB AND DRAINAGE SYSTEM, PLEASE REFER TO 9468-WSP-BA-XX-DE-CD-00001_DRAINAGE STANDARD DETAILS

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

- KEY
- BB PROPOSED BELISHA BEACON
 - SP EXISTING GULLY FRAME AND COVER TO BE REMOVED AND REPLACED WITH CLASS D400 CYCLE FRIENDLY GULLY FRAME AND COVER
 - TRAP EXISTING TRAPPED PRE-CAST CONCRETE GULLY (450mm DIAMETER, 900mm DEPTH) WITH CLASS D400 CYCLE FRIENDLY GULLY FRAME AND COVER UTILISING EXISTING CONNECTION TO MAIN SEWER
 - MANHOLE PROPOSED SFA7 TYPE 2 MANHOLE
 - SILT TRAP 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
 - GRASS EXISTING GRASS TO BE RETAINED
 - VEGETATION EXISTING VEGETATION TO BE TRIMMED
 - LINE MARKING EXISTING LINE MARKING
 - TREE EXISTING TREE TO BE RETAINED
 - GULLY EXISTING GULLY TO BE RETAINED

