

DO NOT SCALE

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ENGINEERING GENERAL ARRANGEMENT HE543917-ATK-HGN-XX-DR-CH-000201 TO HE543917-ATK-HGN-XX-DR-CH-000216.
- FOR STAGE 3 DECISIONS, ASSUMPTIONS AND OUTSTANDING ISSUES, REFER TO DOCUMENT No. HE543917-ATK-GEN-XX-SH-CX-000002.
- FOR DETAILED DESCRIPTION OF HAZARDS, REFER TO HEALTH AND SAFETY RISK REGISTER DOCUMENT No. HE543917-ATK-GHS-XX-HS-ZS-000004.
- UNLESS OTHERWISE SPECIFIED, MERGE AND DIVERGE TYPES ARE AS PER TD 22/06.
- EARTHWORK SLOPE TO BE 1(H) : 3(V) UNLESS OTHERWISE STATED.
- FOR DETAILS OF PROPOSED RETAINING SOLUTIONS AND EARTHWORK SLOPES REFER TO GEOTECH DOCUMENT No. HE543917-ATK-GEN-XX-SH-CE-000001.
- THIN SURFACING WITH LOW NOISE PROPERTIES WILL BE USED IN ALL AREAS OF RESURFACING AND OVERLAY EXCEPT ON BRIDGE DECK, WHERE HOT ROLLED ASPHALT HAS BEEN SPECIFIED.
- THE FOLLOWING CHANGES SINCE DESIGN FIX 3 HAVE BEEN INCORPORATED IN THE ENGINEERING GENERAL ARRANGEMENT DRAWINGS ONLY; THEY ARE NOT INCLUDED IN THE DRAWINGS LISTED BELOW:
 - BEAN LANE (NORTH) – THE BUS STOP AT CH 100 HAS BEEN REPLACED BY A BUS LAY-BY AT CH 140.
 - ATTENUATION POND (EAST OF BEAN NORTH ROUNDABOUT) – THE ACCESS TRACK TO ATTENUATION POND AND EXISTING PYLON HAS BEEN REALIGNED.
 - BEAN EASTBOUND MERGE - RETAINING WALL HAS BEEN MODIFIED TO REDUCE IMPACT ON THE VETERAN TREES.
 - EBBSFLEET JUNCTION – THE ACCESS TRACK TO PYLON NEAR EBBSFLEET WEST ROUNDABOUT HAS BEEN ADDED.
 - SCHEME BOUNDARY AND PROPOSED HIGHWAY BOUNDARY HAVE BEEN AMENDED.
- REFER TO THE FOLLOWING DESIGN DRAWINGS FOR ADDITIONAL INFORMATION:

DRAWING TITLE	DRAWING NUMBER
ENGINEERING CONSTRAINTS PLAN	HE543917-ATK-HGN-XX-DR-LP-000200 TO HE543917-ATK-HGN-XX-DR-LP-000216
GENERAL ARRANGEMENT EXISTING UTILITIES	HE543917-ATK-VUT-XX-DR-CU-000200 TO HE543917-ATK-VUT-XX-DR-CU-000216
BRITISH TELECOMMUNICATIONS (BT) INDICATIVE DIVERSIONS	HE543917-ATK-VUT-XX-DR-CU-000300 TO HE543917-ATK-VUT-XX-DR-CU-000316
THAMES WATER INDICATIVE DIVERSIONS	HE543917-ATK-VUT-XX-DR-CU-000400 TO HE543917-ATK-VUT-XX-DR-CU-000416
UK POWER NETWORKS INDICATIVE DIVERSIONS	HE543917-ATK-VUT-XX-DR-CU-000500 TO HE543917-ATK-VUT-XX-DR-CU-000516
SOUTHERN GAS INDICATIVE DIVERSIONS	HE543917-ATK-VUT-XX-DR-CU-000600 TO HE543917-ATK-VUT-XX-DR-CU-000616
SOUTHERN WATER INDICATIVE DIVERSIONS	HE543917-ATK-VUT-XX-DR-CU-000700 TO HE543917-ATK-VUT-XX-DR-CU-000716
VODAFONE INDICATIVE DIVERSIONS	HE543917-ATK-VUT-XX-DR-CU-000800 TO HE543917-ATK-VUT-XX-DR-CU-000816
VIRGIN MEDIA INDICATIVE DIVERSIONS	HE543917-ATK-VUT-XX-DR-CU-000900 TO HE543917-ATK-VUT-XX-DR-CU-000916
PROPOSED UTILITY DIVERSIONS TYPICAL CROSS-SECTIONS	HE543917-ATK-VUT-XX-DR-CU-000001 TO HE543917-ATK-VUT-XX-DR-CU-000005
LAND TAKE PLAN	HE543917-ATK-HAC-XX-DR-CH-000001 TO HE543917-ATK-HAC-XX-DR-CH-000016
LONGITUDINAL SECTIONS	HE543917-ATK-HGN-XX_KP-DR-CH-000001
	HE543917-ATK-HGN-XX_KP-DR-CH-000002
	HE543917-ATK-HSR-L4_LS-DR-CH-000001
	HE543917-ATK-HSR-J1_LS-DR-CH-000002
	HE543917-ATK-HSR-J2_LS-DR-CH-000003
	HE543917-ATK-HML-A2_J2_LS_K-DR-CH-000004
	HE543917-ATK-HML-A2_J2_LS_J-DR-CH-000005
	HE543917-ATK-HSR-A2_BN01_LS-DR-CH-000006
	HE543917-ATK-HSR-A2_BX01_LS-DR-CH-000007
	HE543917-ATK-HML-A2_J3_LS_L-DR-CH-000008
	HE543917-ATK-HML-A2_J3_LS_M-DR-CH-000009
	HE543917-ATK-HSR-J3_LS-DR-CH-000010
	HE543917-ATK-HSR-J3_LS-DR-CH-000011
	HE543917-ATK-HSR-A2_J4_LS_L-DR-CH-000012
	HE543917-ATK-HSR-J5_LS-DR-CH-000013
	HE543917-ATK-HSR-J5_LS-DR-CH-000014
	HE543917-ATK-HSR-J5_LS-DR-CH-000015
	HE543917-ATK-HML-J5_LS-DR-CH-000016
	HE543917-ATK-HSR-A2_J6_LS_J-DR-CH-000017
	HE543917-ATK-HSR-J5_LS-DR-CH-000018
	HE543917-ATK-HSR-J5_LS-DR-CH-000019
	HE543917-ATK-HSR-J5_LS-DR-CH-000020
	HE543917-ATK-HSR-J5_LS-DR-CH-000021
HE543917-ATK-HML-A2_J6_LS_K-DR-CH-000022	
HE543917-ATK-HSR-L3_R1_LS-DR-CH-000023	

DRAWING TITLE	DRAWING NUMBER
TYPICAL CROSS-SECTIONS KEY PLAN	HE543917-ATK-HGN-XX-DR-CH-000109
TYPICAL CROSS-SECTIONS	HE543917-ATK-HGN-XX_XS-DR-CX-000001 TO HE543917-ATK-HGN-XX_XS-DR-CX-000007
TYPICAL VERGE DETAILS	HE543917-ATK-HGN-XX_XS-DE-CX-000001 TO HE543917-ATK-HGN-XX_XS-DE-CX-000007
PROPOSED ROAD RESTRAINT SYSTEMS	HE543917-ATK-HRR-XX-DR-CH-000200 TO HE543917-ATK-HRR-XX-DR-CH-000216
EXISTING AND PROPOSED NMU ROUTES	HE543917-ATK-ENM-XX-DR-CH-000200 TO HE543917-ATK-ENM-XX-DR-CH-000216
PROPOSED ROAD MARKINGS AND TRAFFIC SIGNS	HE543917-ATK-HSN-XX-DR-CH-000200 TO HE543917-ATK-HSN-XX-DR-CH-000216
A2BE SCHEMATIC SIGNS & SIGNALS AND MERGE & DIVERGE TYPES	HE543917-ATK-HGN-XX-DR-CH-900201
EXISTING GEOMETRIC DEPARTURES FROM STANDARDS	HE543917-ATK-HML-XX_ML-DR-CH-000001 TO HE543917-ATK-HML-XX_ML-DR-CH-000005
PROPOSED GEOMETRIC DEPARTURES FROM STANDARDS	HE543917-ATK-HML-XX_ML-DR-CH-000006 TO HE543917-ATK-HML-XX_ML-DR-CH-000010
PRELIMINARY DRAINAGE DESIGN	HE543917-ATK-HDG-XX-DR-CD-000200 TO HE543917-ATK-HDG-XX-DR-CD-000216
PAVEMENT LAYOUT	HE543917-ATK-HPV-XX-DR-CH-000201 TO HE543917-ATK-HPV-XX-DR-CH-000216
BRIDGE GENERAL ARRANGEMENT	HE543917-ATK-SBR-J3_BN01-DR-CB-000001 TO HE543917-ATK-SBR-J3_BN01-DR-CB-000002
GANTRY GENERAL ARRANGEMENT	HE543917-ATK-SGY-A2_ML-DR-CB-000001 TO HE543917-ATK-SGY-A2_ML-DR-CB-000002
MOTORWAY COMMUNICATIONS GENERAL ARRANGEMENT	HE543917-ATK-HMC-XX-DR-EC-000020 TO HE543917-ATK-HMC-XX-DR-EC-000036
MOTORWAY COMMUNICATIONS TECHNOLOGY SCHEMATICS CABLING	HE543917-ATK-HMC-XX-DR-EC-000001 TO HE543917-ATK-HMC-XX-DR-EC-000016
MOTORWAY COMMUNICATIONS TECHNOLOGY SCHEMATICS DUCTING	HE543917-ATK-HMC-XX-DR-EC-000100 TO HE543917-ATK-HMC-XX-DR-EC-000116
NRTS INTERRUPTER CABLE ROUTE	HE543917-ATK-HMC-XX-DR-EC-000200
PRELIMINARY ENVIRONMENT DESIGN	HE543917-ATK-EGN-XX-DR-LL-003000 TO HE543917-ATK-EGN-XX-DR-LL-003005
PRELIMINARY LIGHTING DESIGN	HE543917-ATK-HLG-XX-DR-EO-000201 TO HE543917-ATK-HLG-XX-DR-EO-000216
STREET LIGHTING & ELECTRICAL PRELIMINARY LIGHTING KEY	HE543917-ATK-HLG-XX_LP_EI-DR-EO-000006
STREET LIGHTING & ELECTRICAL PRELIMINARY DESIGN TYPICAL SCHEMATIC LAYOUT SCHEME WIDE	HE543917-ATK-HLG-XX_LP-DE-EO-000001
PROPOSED LIGHTING ASSETS OWNERSHIP AND LIGHTING CLASSES	HE543917-ATK-HLG-XX-DR-EO-000006
PRELIMINARY TRAFFIC SIGNALS LAYOUT	HE543917-ATK-HTS-J1-DR-CH-000001
	HE543917-ATK-HTS-J2_J2-DR-CH-000001
	HE543917-ATK-HTS-J3_BX01-DR-CH-000001
	HE543917-ATK-HTS-J3_J3-DR-CH-000001
	HE543917-ATK-HTS-J3_J3-DR-CH-000002
	HE543917-ATK-HTS-J4_J4-DR-CH-000001
	HE543917-ATK-HTS-J4_J4-DR-CH-000002
	HE543917-ATK-HTS-J5-DR-CH-000001
	HE543917-ATK-HTS-J5-DR-CH-000002
	HE543917-ATK-HTS-J6_J6-DR-CH-000001
HE543917-ATK-HTS-J6_J6-DR-CH-000002	

KEY

GENERAL

- SCHEME BOUNDARY
- EXISTING WATER BODIES
- EXISTING BUILDINGS
- EASTERN QUARRY DEVELOPMENT
- ST. CLEMENTS LAKES DEVELOPMENT
- EBBSFLEET GREEN DEVELOPMENT
- CONSTRUCTION OFFICE AND COMPOUND AREA

HIGHWAYS

- EXISTING HIGHWAY BOUNDARY (INDICATIVE)
- PROPOSED HIGHWAY BOUNDARY
- EXISTING LANE MARKINGS
- PROPOSED LANE MARKINGS
- PROPOSED CONCRETE STEP BARRIER
- PROPOSED NON MOTORISED USERS (NMU) ROUTE
- PROPOSED EARTHWORK SLOPE (FILLING / CUTTING)

STRUCTURES

- EXISTING OVERBRIDGE STRUCTURES
- EXISTING UNDERBRIDGE AND TUNNEL STRUCTURES
- PROPOSED OVERBRIDGE

TECHNOLOGY

- EXISTING GANTRY (TO BE REMOVED)
- EXISTING GANTRY (TO BE RETAINED)
- PROPOSED GANTRY

DRAINAGE

- PROPOSED POND
- PRE-EARTHWORK DITCH
- HIGHWAY RUNOFF DITCH
- SWALE UNLINED DITCH
- FLOW DIRECTION
- PROPOSED HEADWALL
- PROPOSED CATCHPIT
- PROPOSED CARRIER DRAIN
- PROPOSED FILTER DRAIN
- PROPOSED INFILTRATION TRENCH

GEOTECHNICAL

- PROPOSED RETAINING SOLUTION
- EXISTING RETAINING SOLUTION RETAINED
- EXISTING RETAINING SOLUTION DEMOLISHED

LIGHTING

- EXISTING LIGHTING HAZARD (HS/HLG/02)
- PROPOSED LIGHTING HAZARD (HS/HLG/01 & HS/HLG/03)

HAZARD WARNING TRIANGLE

- HS/XXXX
- UNIQUE ID
- DISCIPLINE
- HEALTH AND SAFETY

"THESE DRAWINGS ARE A PRELIMINARY DESIGN FOR USE DURING PCF STAGE 3. THEY SHOW AN INDICATION OF THE PROPOSED LAYOUT BUT DO NOT SHOW FULL CONSTRUCTIONAL DETAILS OR WIDTHS. FURTHER REFINED DETAILED DESIGN WILL BE UNDERTAKEN DURING LATER STAGES OF DEVELOPMENT OF THE SCHEME PRIOR TO CONSTRUCTION. FOR INFORMATION ONLY."

Description FOR HE REVIEW		Drawing Suitability		Status		Project Title	
Status B1	Revision C01	Drawn RKK	Checked OP	Reviewed CT	Authorised CH	Issue Date 05/07/18	A2
Description STAGE 3 DESIGN FIX 3		APPROVED - ORDERS / LICENSES		A2		A2 Bean and Ebbsfleet Junctions Improvement	
Status A1	Revision C02	Drawn RKK	Checked JA	Reviewed CT	Authorised CH	Issue Date 22/08/18	Drawing Title
Description FOR STAGE 3 SIGN-OFF		SNC-LAVALIN		ATKINS		Epsom Gateway Ashley Avenue Epsom Surrey KT18 5AL	
Status A1	Revision C03	Drawn RKK	Checked JA	Reviewed AEM	Authorised CH	Issue Date 21/11/18	PCF STAGE 3 – PRELIMINARY DESIGN ENGINEERING GENERAL ARRANGEMENT NOTES AND KEY
Description FOR INFORMATION; EBBSFLEET PYLON ACCESS REVISED ON SHEETS 8 AND 16		Copyright © Atkins Limited (2018)		Epsom Gateway Ashley Avenue Epsom Surrey KT18 5AL		Tel: +44 (0)1372 726140 Fax: +44 (0)1372 740055 www.atkinsglobal.com	
Status A1	Revision C04	Drawn RKK	Checked AEM	Reviewed CH	Authorised CH	Issue Date 18/01/19	Drawing Number
Description FOR INFORMATION		Client		Working on behalf of		HE543917 - ATK - HGN -	
Status A2	Revision C05	Drawn RKK	Checked EBB	Reviewed AEM	Authorised RJM	Issue Date 22/02/19	Project
Description FOR INFORMATION		highways england		Client		XX - DR - CH - 000200	
Original Size: A1	Scale: NTS	Project Ref. No: 5158159	Sheet: 1 of 1	Rev: C05	Location		