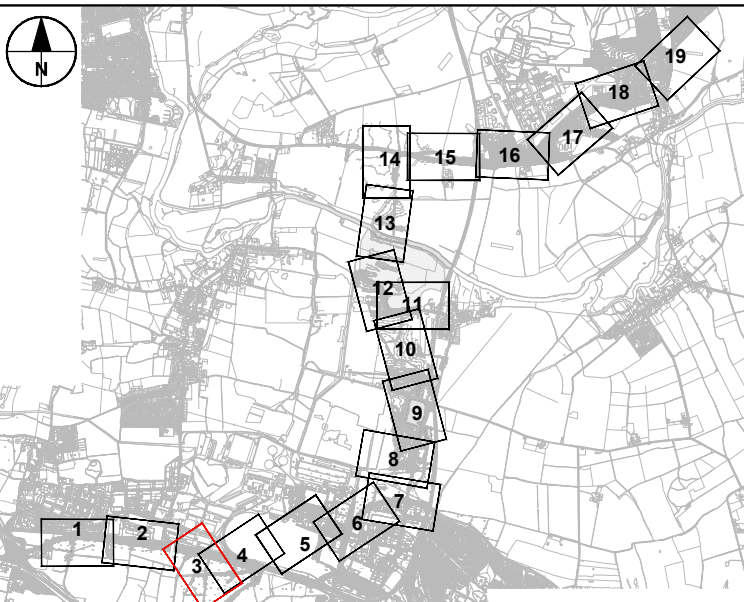


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FIRST VERSION	VD	31/08/21	P01
SECOND VERSION	RBF	17/09/21	P02
THIRD VERSION	RBF	16/06/22	P03
REVISION DETAILS	By	Date	Suffix
	Check		

Purpose of issue
SUITABLE FOR APPROVAL

Client
OXFORDSHIRE COUNTY COUNCIL

Project Title
DIDCOT GARDEN TOWN HOUSING INFRASTRUCTURE FUND (HIF 1)

Drawing Title
VISIBILITY SPLAY SHEET 3 OF 19

Designed RBF	Drawn RBF	Checked AA	Approved AGB	Date 27/06/23
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Internal Project No. 60632497	Suitability S4
Scale @ A1 1:1000	Discipline Town & Country Planner

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Drawing Number	Work Package ID	Volume	Type	Number	Rev
GEN_PD-ACM-HML-DGT_ZZ_ZZ-DR-T	-0003				P04
Originator	Location	Role			



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KEY	
PROPOSED HORIZONTAL ALIGNMENT - TANGENT	PROPOSED KERBS. FOR DETAILS REFER TO DRAWINGS GEN_PD-ACM-GEN-DGT_ZZ_ZZ_ZZ-DR-T-0001 - 0019.
PROPOSED HORIZONTAL ALIGNMENT - CIRCULAR CURVE	PROPOSED CYCLE TRACK AND BUFFER ZONE. FOR DETAILS REFER TO DRAWINGS GEN_PD-ACM-GEN-DGT_ZZ_ZZ_ZZ-DR-T-0001 - 0019.
PROPOSED HORIZONTAL ALIGNMENT - TRANSITION CURVE	PROPOSED FOOTWAY. FOR DETAILS REFER TO DRAWINGS GEN_PD-ACM-GEN-DGT_ZZ_ZZ_ZZ-DR-T-0001 - 0019.
JUNCTION VISIBILITY SPLAY	PROPOSED SHARED USE FOOTWAY. FOR DETAILS REFER TO DRAWINGS GEN_PD-ACM-GEN-DGT_ZZ_ZZ_ZZ-DR-T-0001 - 0019.
FORWARD VISIBILITY SPLAY	PROPOSED VERGE. FOR DETAILS REFER TO DRAWINGS GEN_PD-ACM-GEN-DGT_ZZ_ZZ_ZZ-DR-T-0001 - 0019.
PEDESTRIAN / CYCLIST CROSSING VISIBILITY SPLAY	PROPOSED SWALE. FOR DETAILS REFER TO DRAWINGS GEN_PD-ACM-GEN-DGT_ZZ_ZZ_ZZ-DR-T-0001 - 0019.
JUNCTION INTERVISIBILITY ZONE - (DMRB CD123)	PROPOSED GRASSED SURFACE WATER CHANNEL. FOR DETAILS REFER TO DRAWINGS GEN_PD-ACM-GEN-DGT_ZZ_ZZ_ZZ-DR-T-0001 - 0019.
ROUNDBOUT FORWARD VISIBILITY SPLAY AT ENTRY	
ROUNDBOUT VISIBILITY SPLAY TO THE RIGHT	
ROUNDBOUT CIRCULATORY VISIBILITY	

DESCRIPTION	NORTHERN ROUNDBOUT		
	WESTERN ARM	EASTERN ARM	SOUTHERN ARM
INSCRIBED CIRCLE DIAMETER (ICD)		50m	
ENTRY ANGLE (DEGREES)	40.08	40.13	47.42
ENTRY WIDTH (m)	8.00	7.00	7.00
APPROACH HALF WIDTH (m)	6.75	3.88	3.65
ENTRY RADIUS (m)	25.00	20.00	30.00
EXIT RADIUS (m)	60.00	150.00	20.00
ENTRY FLARE LENGTH (m)	19.00	33.00	23.00

DESCRIPTION	SCIENCE BRIDGE ROUNDBOUT		
	SOUTH-WESTERN ARM	NORTH-WESTERN ARM	NORTH-EASTERN ARM
INSCRIBED CIRCLE DIAMETER (ICD)		50m	
ENTRY ANGLE (DEGREES)	30.79	30.85	20.24
ENTRY WIDTH (m)	7.14	7.14	7.16
APPROACH HALF WIDTH (m)	3.65	3.65	3.65
ENTRY RADIUS (m)	35.00	35.00	40.00
EXIT RADIUS (m)	115.00	135.00	40.00
ENTRY FLARE LENGTH (m)	26.50	22.50	11.32

CARRIAGEWAY DESIGN SPEED & STOPPING SIGHT DISTANCE

ROADWAY	DESIGN SPEED (kph)	POSTED SPEED (mph)	DESIRABLE MINIMUM STOPPING SIGHT DISTANCE (m)	DESIGN STANDARD
BACKHILL ROUNDBOUT WESTERN ARM	70	40	120	DMRB, CD109.
BACKHILL ROUNDBOUT MAYS-MINSCOMBE ARM	50	20	33	MIS
BACKHILL ROUNDBOUT MOCKLER ARM	50	20	33	MIS
BACKHILL ROUNDBOUT TO NORTHERN ROUNDBOUT LINK EASTBOUND	70	40	120	DMRB, CD109.
BACKHILL ROUNDBOUT TO NORTHERN ROUNDBOUT LINK WESTBOUND	70	40	120	DMRB, CD109
NORTHERN ROUNDBOUT TO SCIENCE BRIDGE ROUNDBOUT LINK	70	40	120	DMRB, CD109
SCIENCE BRIDGE ROUNDBOUT VALLEY PARK SPINE ROAD	60	30	90	DMRB, CD109
SCIENCE BRIDGE ROUNDBOUT SCIENCE BRIDGE ARM	60	30	90	DMRB, CD109

CYCLE TRACK DESIGN SPEED & STOPPING SIGHT DISTANCE

LOCATION	DESIGN SPEED (kph)	DESIRABLE MINIMUM STOPPING SIGHT DISTANCE (m)	DESIGN STANDARD
SCHEME WIDE	30	31	DMRB, CD195.