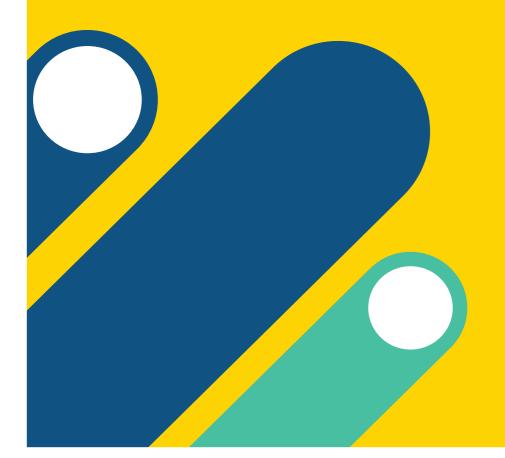
Chapter 14 Land, Soils, Geology & Hydrogeology

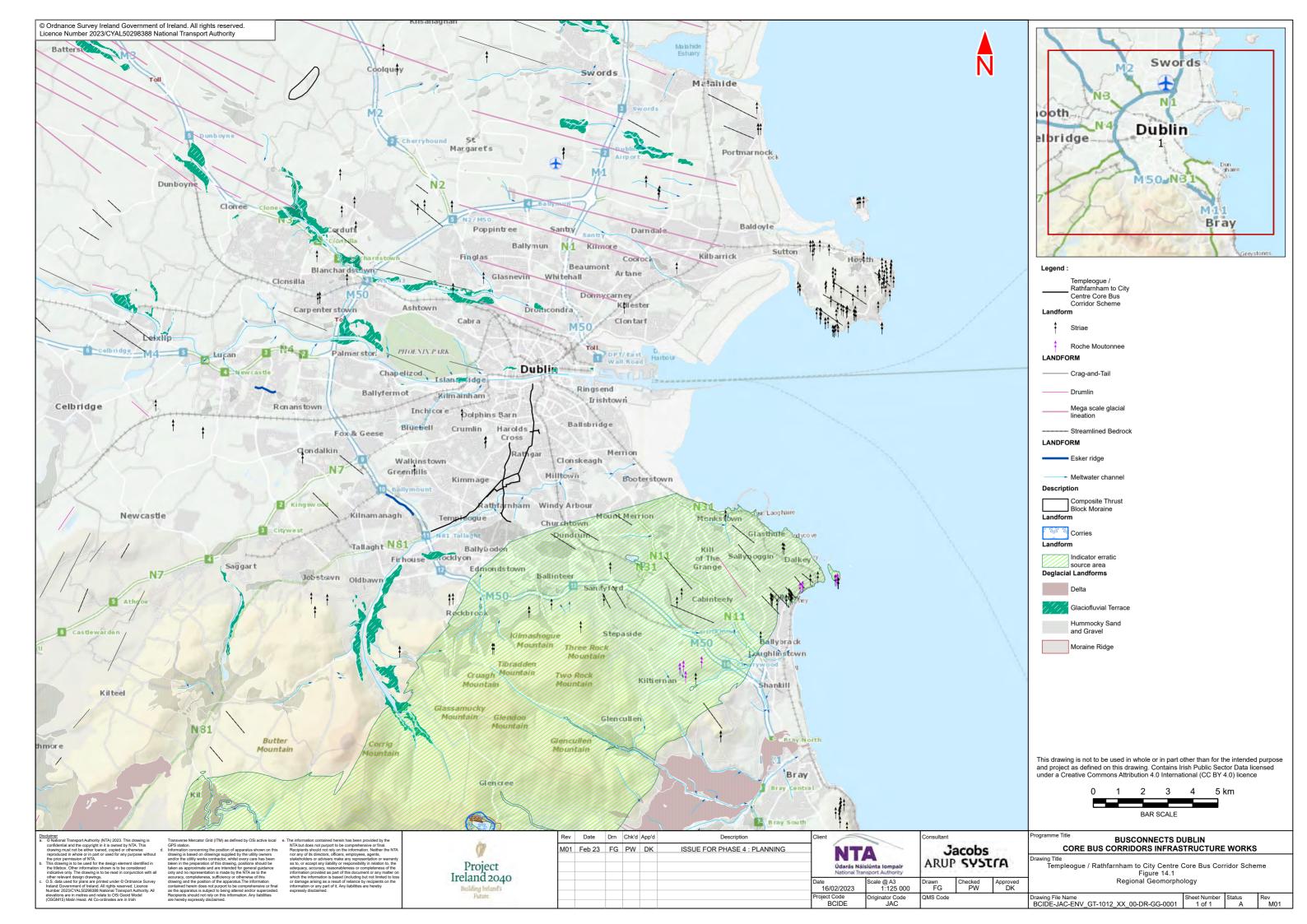




14.1 Regional Geomorphology



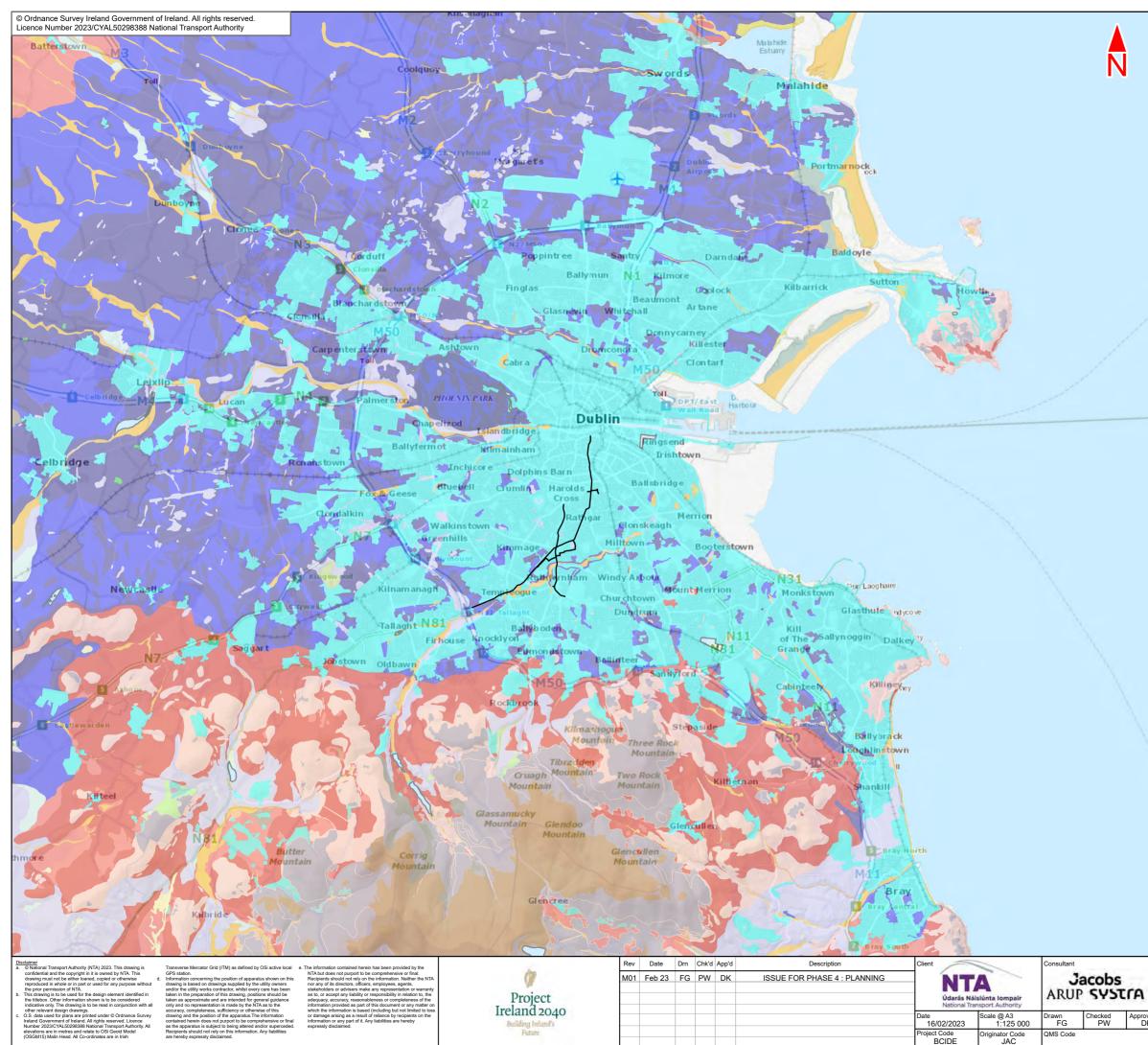




14.2 Regional Soils











Legend :

Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

Teagasc Soils

AeoUND - Aeolian Undifferentiated
AlluvMIN - Mineral alluvium
AminDW - Acid Brown Earths / Brown Podzolics
AminPD - Surface

water Gleys / Ground water Gleys Acidic

AminPDPT - Peaty Gleys Acidic

AminSP - Surface water Gleys / Ground water Gleys Shallow

AminSRPT - Podzols Peatv

AminSW - Lithosols / Regosols

BktPt - Blanket peat

BminDW - Grey Brown Podzolics / Brown Earths Basic

water Gleys / Ground water Gleys Basic BminPDPT - Peaty Gleys Basic Parent Materials Basic BminSP - Surface water Gleys / Ground water Gleys Shallow BminSPPT - Peaty Gleys Shallow BminSRPT - Lithosols Peats BminSW - Renzinas / Lithosols Cut - Raised Bog cutaway/cutover

BminPD - Surface

FenPT - Fen peat

Lac

Made

MarSands

MarSed

Scree

Water

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence

0	1	2	3	4	5 km

BAR SCALE

Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Approved DK

Programme Title

Drawing Title

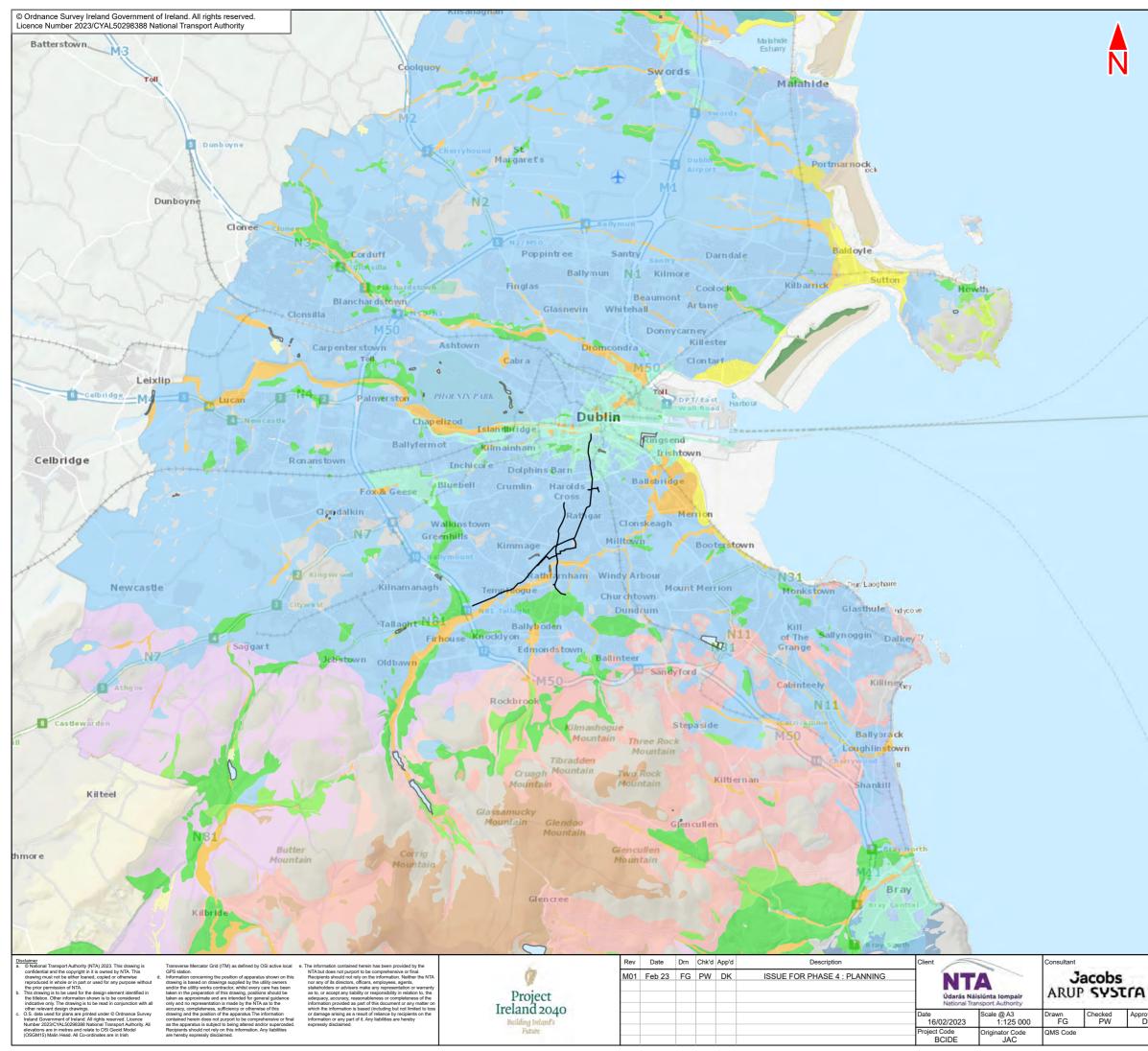
Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.2 Regional Soils

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0002	1 of 1	A	M01

14.3 Regional Subsoils







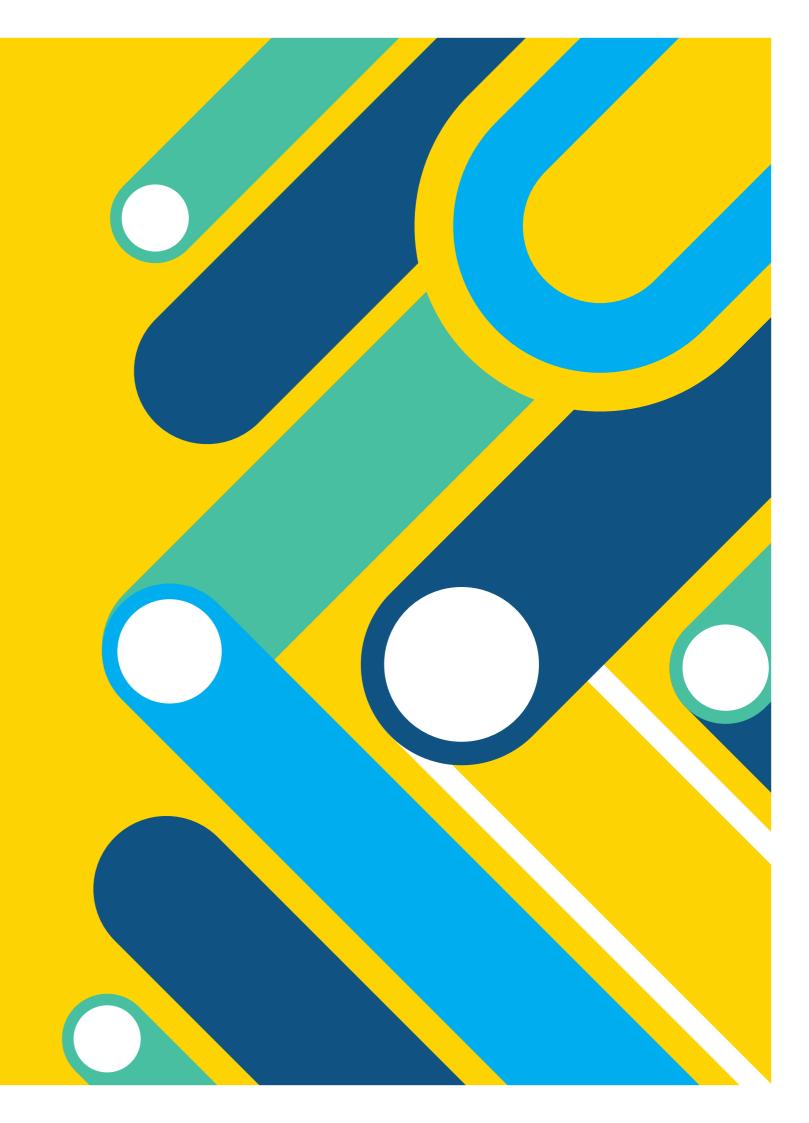


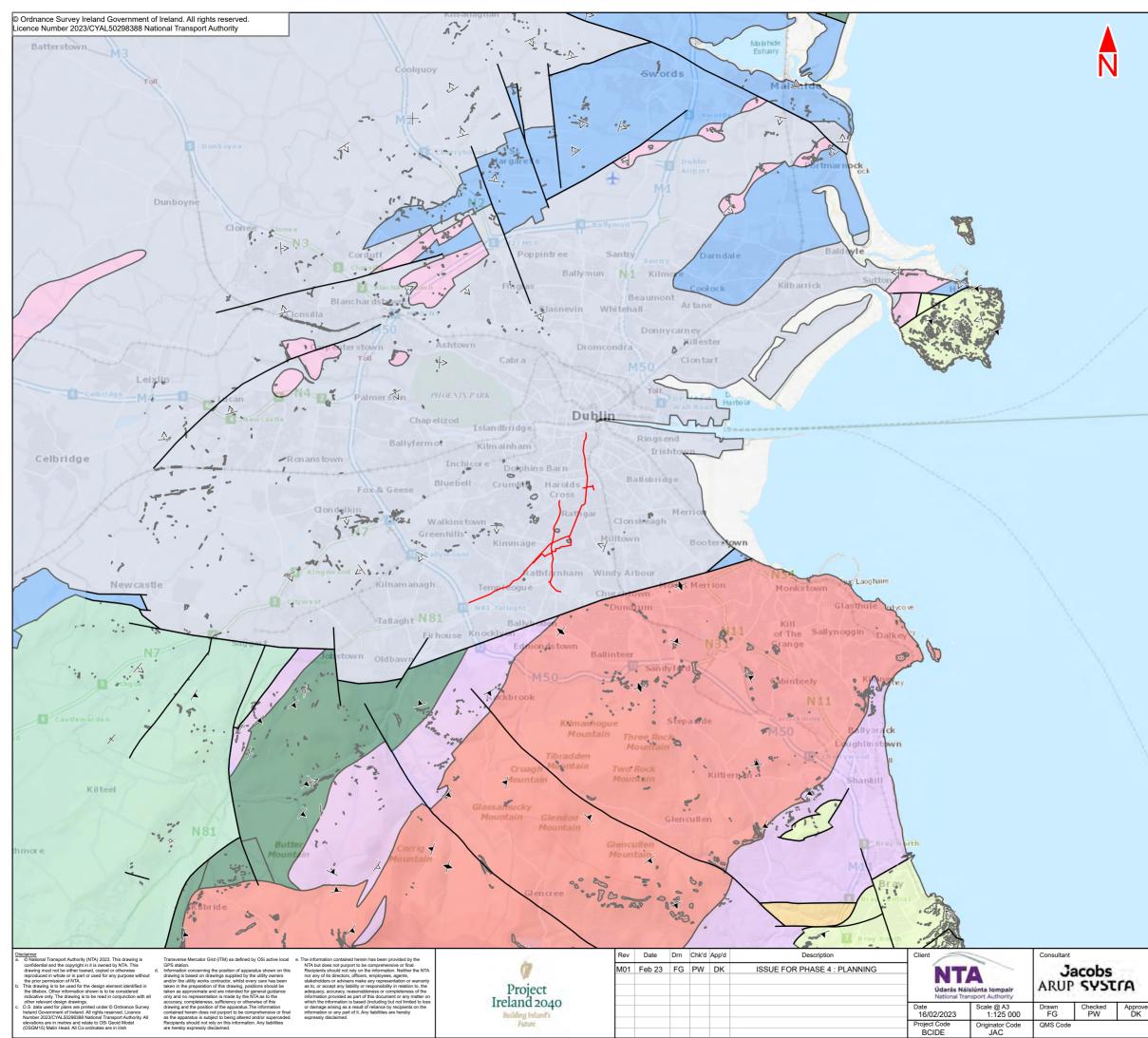


Drawing File Name BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0003 Sheet Number 1 of 1 Status A Rev M01

14.4 Regional Bedrock







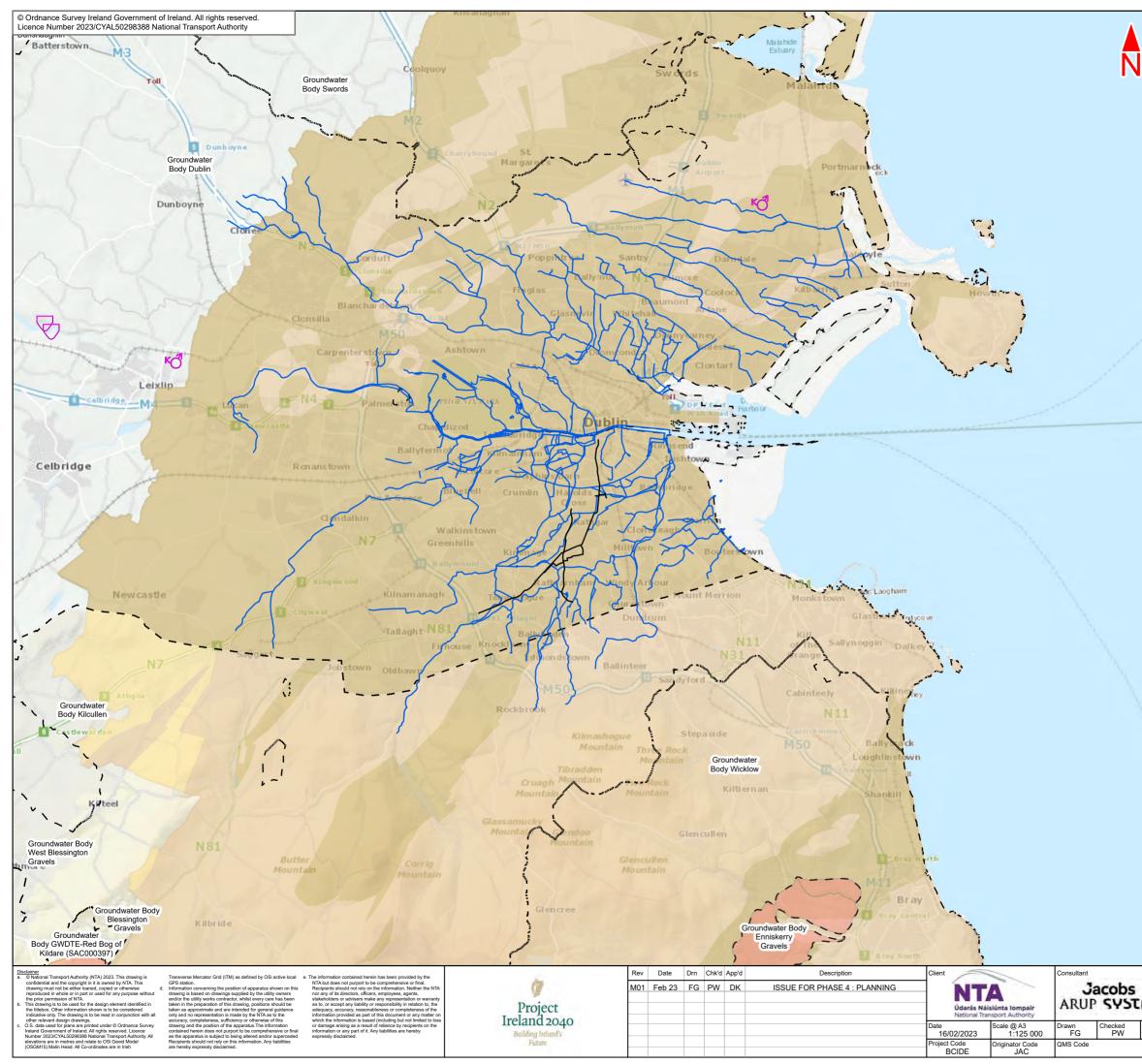
l		
١		

	N3 N1 m nooth N4 Dublin elbridge 1 M50 N31 m M11 Bray						
2	Legend :						
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme						
	GSI Bedrock Geological Faults - 1:500,000						
	GSI Bedrock Structural Symbols - 1:100,000						
	First foliation parallel to bedding						
	Horizontal Bedding						
-	< Strike and dip of bedding, right way up						
	- Strike and dip of bedding, way up unknown						
	Strike and dip of first foliation						
	Strike and dip of overturned bedding						
	Strike and dip of second foliation						
	Strike of vertical first foliation						
	GSI Bedrock Outcrop - 1:100,000						
	GSI Bedrock Outcrop - 1:100,000						
	GSI Bedrock Geology - 1:500,000						
	Visean basinal limestone "Calp"						
	Waulsortian mudbank						
	Courceyan limestone						
	Up Dev-Lr Carb ORS						
	Caledonian granite						
	Silurian sandstone, g'wacke, shale						
	Mid-Up Ordovician basic volcanics						
	Lr-Mid Ordovician slate						
1	Lr-Mid Ordovocian acid volcanics						
	Lr-Mid Ordovician basic volcanics						
	Cambrian greywacke, sandst, qtzite						
	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence 0 1 2 3 4 5 km BAR SCALE						
	Programme Title BUSCONNECTS DUBLIN						
	CORE BUS CORRIDORS INFRASTRUCTURE WORKS						
	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme						
d	Figure 14.4 Regional Bedrock						
	Drawing File Name Sheet Number Status Rev BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0004 1 of 1 A M01						

14.5 Regional Aquifers



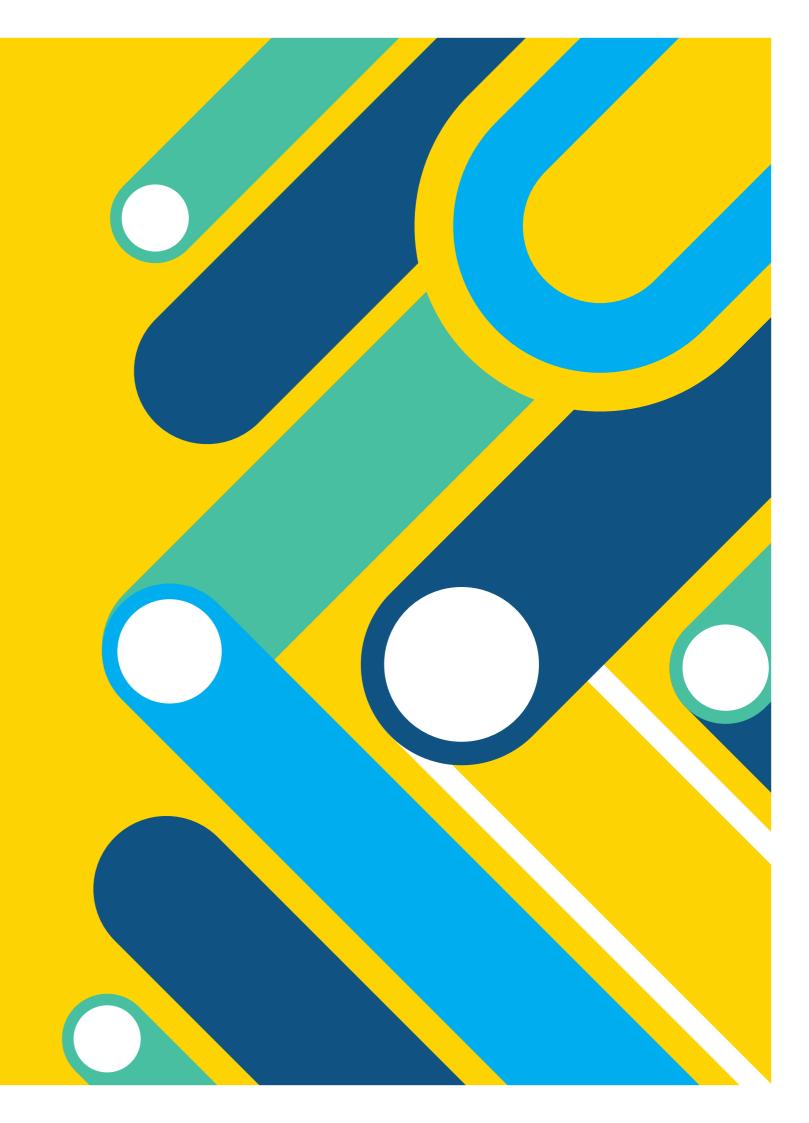


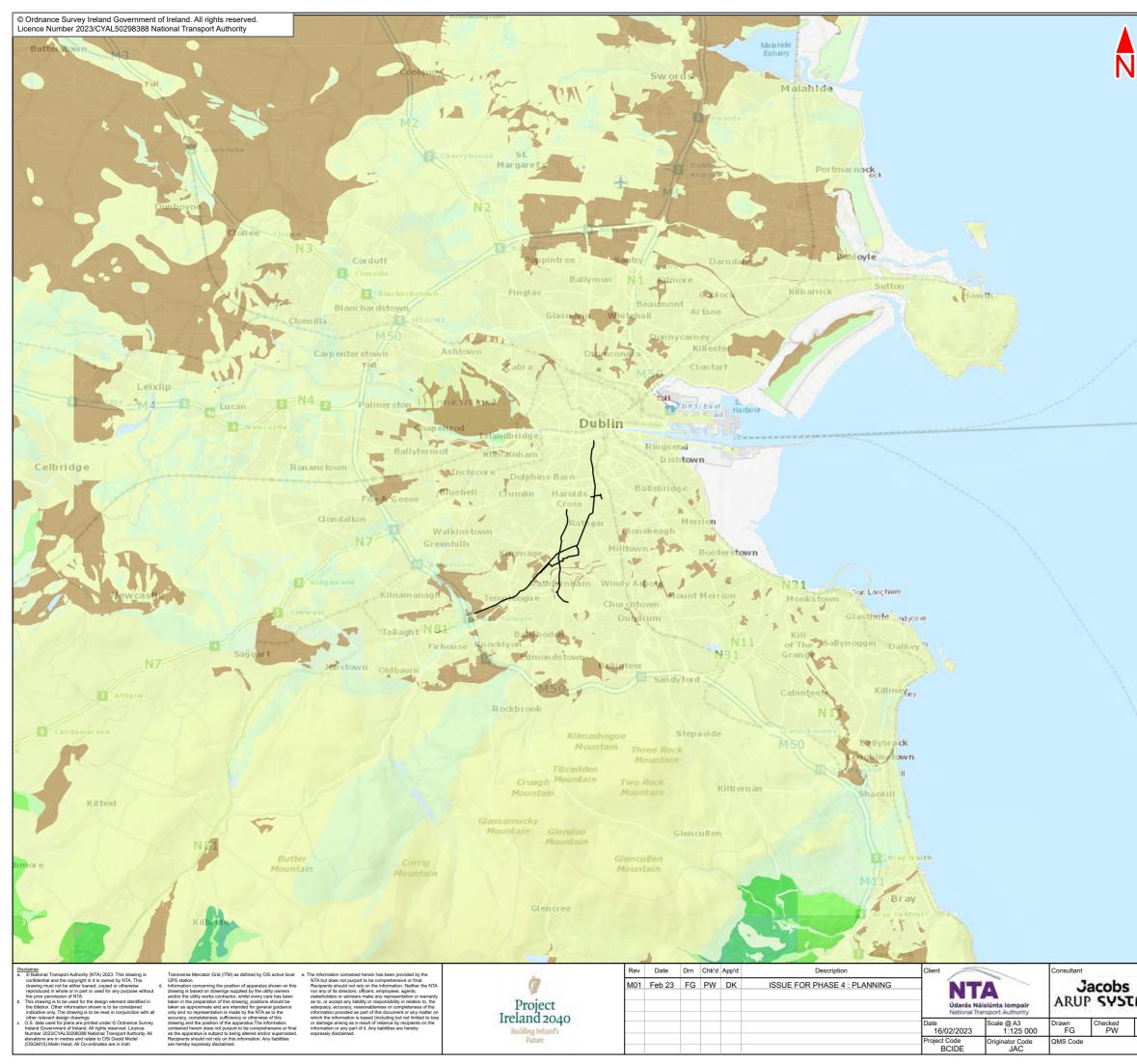


	M2 Swords N3 N1 m Dublin 1 M50 N31 Dan share M50 N31 Dan share M11 Bray			
1	Legend :			
1	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme			
/	Rivers Of Dublin			
	GSI Sand And Gravel Aquifers			
	Groundwater Bodies - Water Framework Directive			
	GSI Karst			
	CAVE			
	GSI Bedrock Aquifer Locally Important Aquifer - Bedrock which is			
	Moderately Productive only in Local Zones (LI) Locally Important Aquifer - Bedrock which is Generally			
	Moderately Productive (Lm)			
	Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones (PI)			
	Poor Aquifer - Bedrock which is Generally Unproductive (Pu)			
1				
1				
1				
1				
	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence			
	0 1 2 3 4 5 km			
	BAR SCALE			
	Programme Title BUSCONNECTS DUBLIN			
re l	CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
200 Pro-	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.5 Pergional Aquifers			
Approved DK	Regional Aquifers Drawing File Name Sheet Number Status Rev			
	BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0005 1 of 1 A M01			

14.6 Regional Groundwater Recharge











Legend :

Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

GSI Groundwater Recharge

Annual Recharge (mm)				
	601-700 mm			
	551-600 mm			
	501-550 mm			
	451-500 mm			
	401-450 mm			
	351-400 mm			
	301-350 mm			
	251-300 mm			
	201-250 mm			
	151-200 mm			
	101-150 mm			
	51-100 mm			
	1-50 mm			

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence



BAR SCALE

Programme Title Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

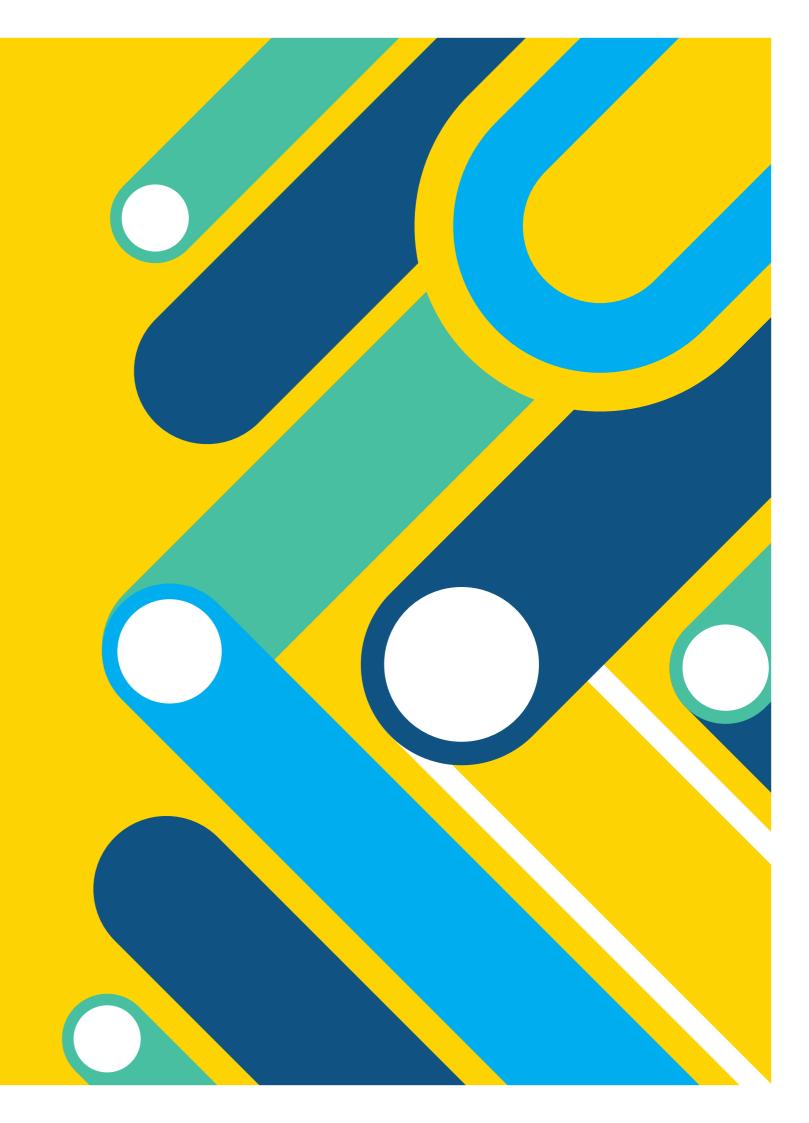
C	ra	
	Approved DK	

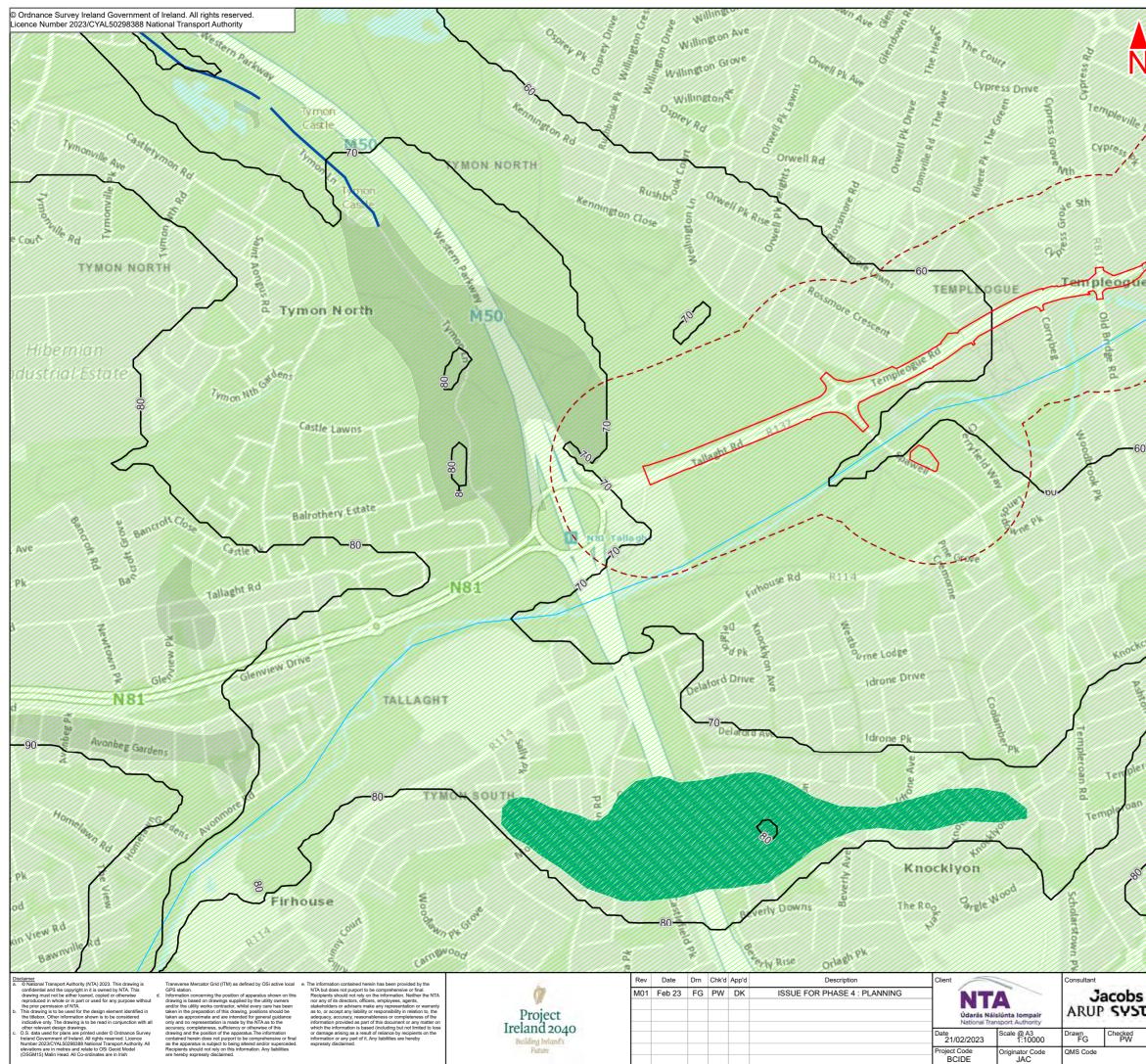
Drawing Title
Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Figure 14.6
Regional Groundwater Recharge

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0006	1 of 1	A	M01

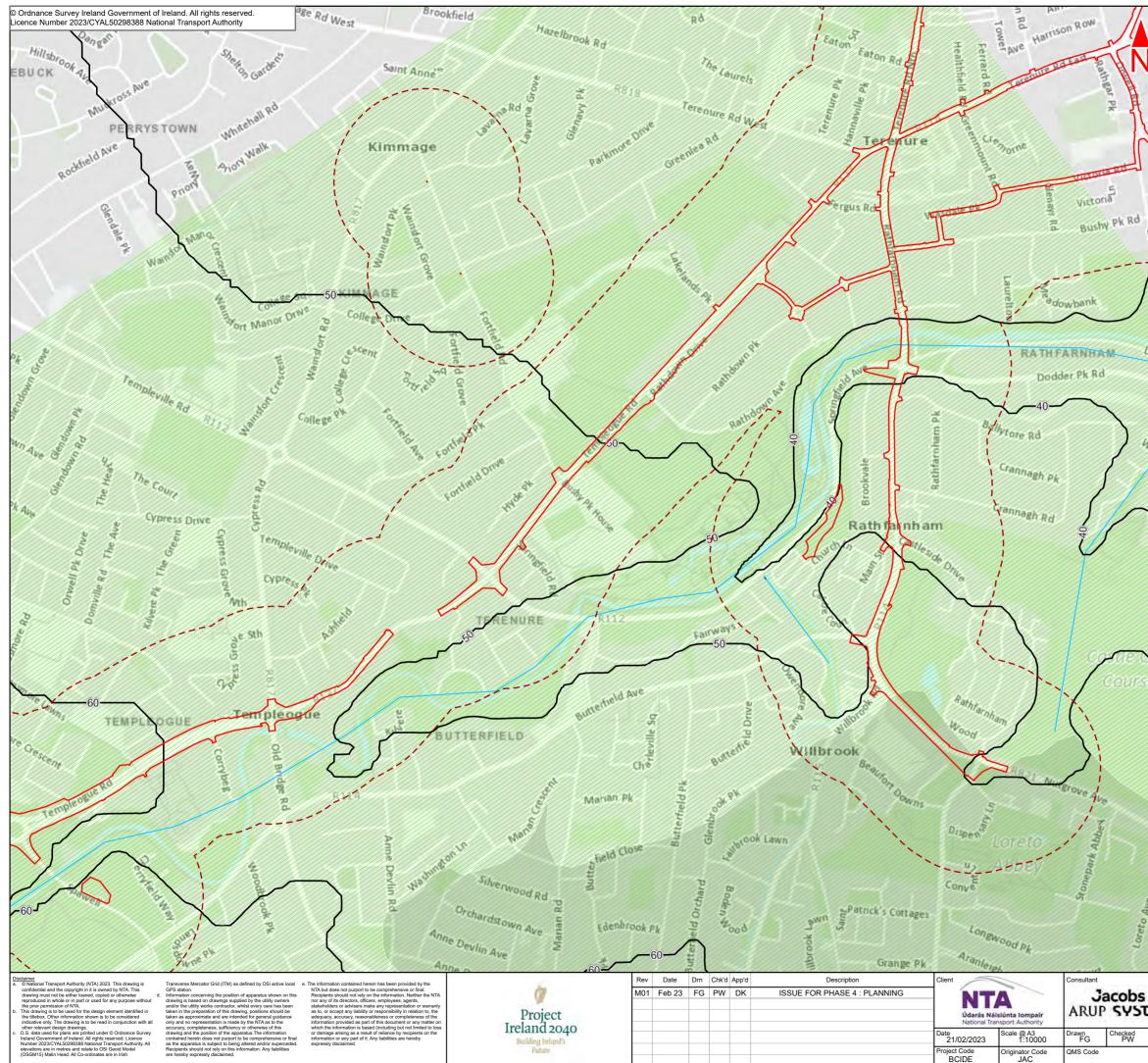
14.7 Topography and Geomorphology



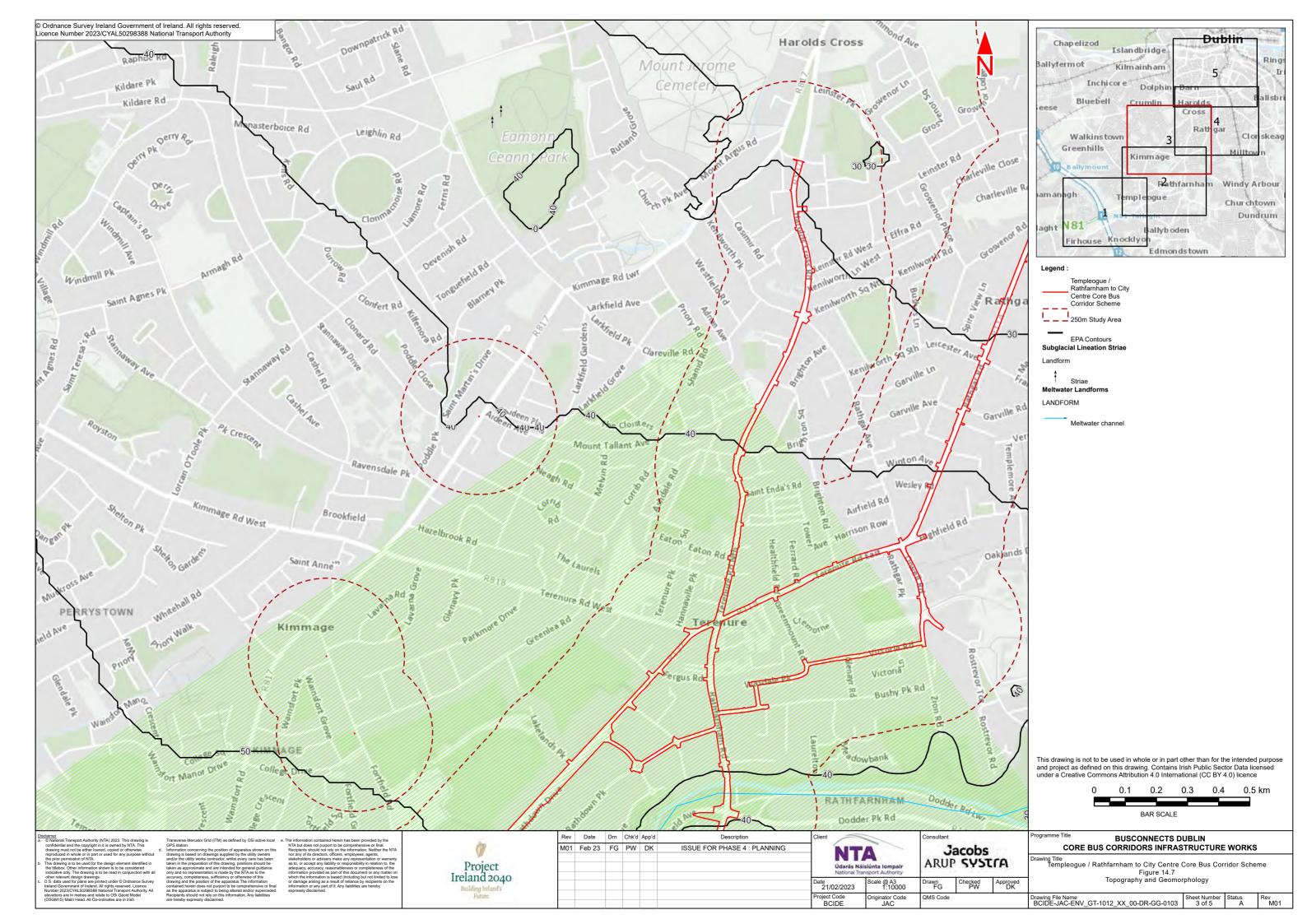


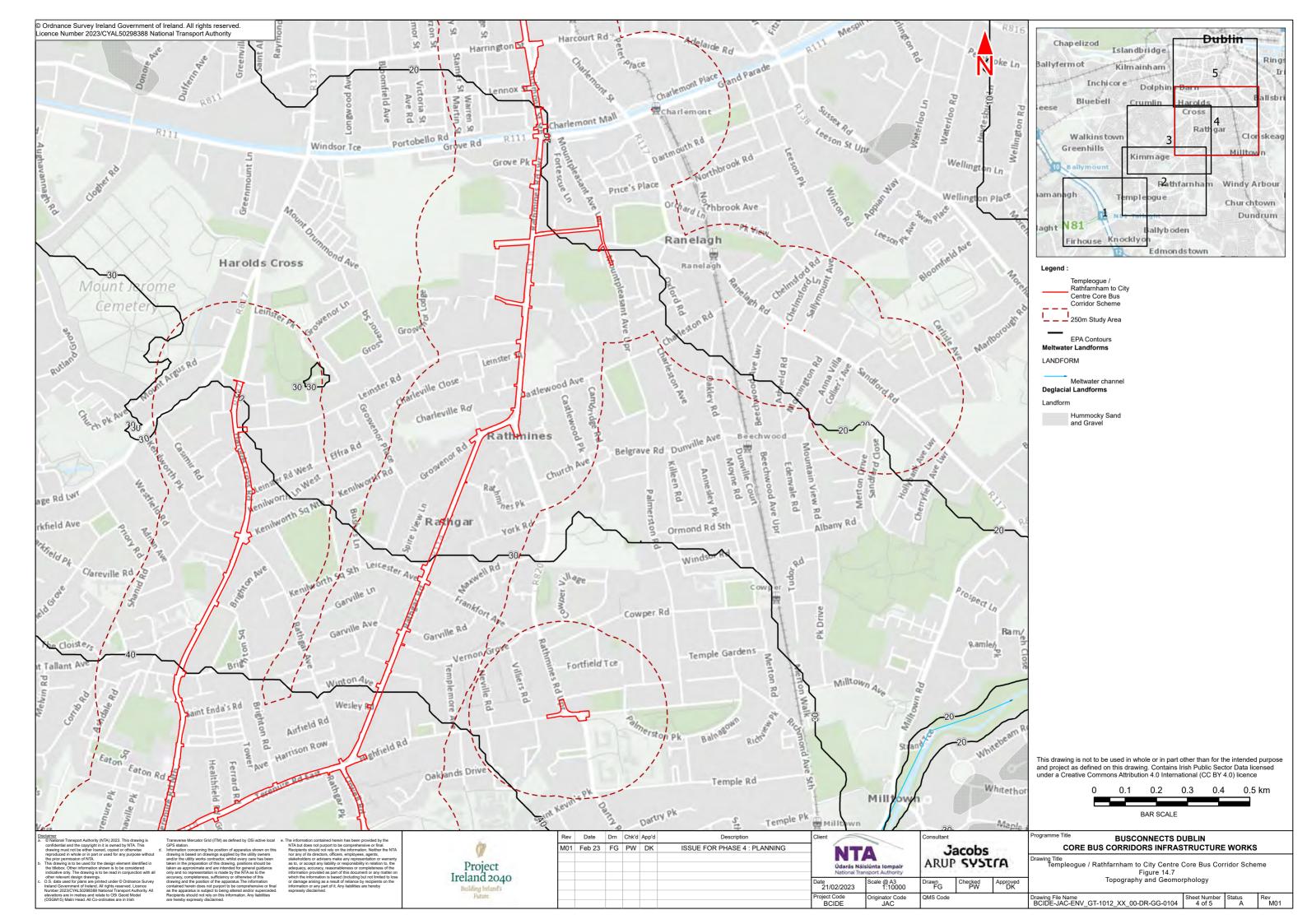


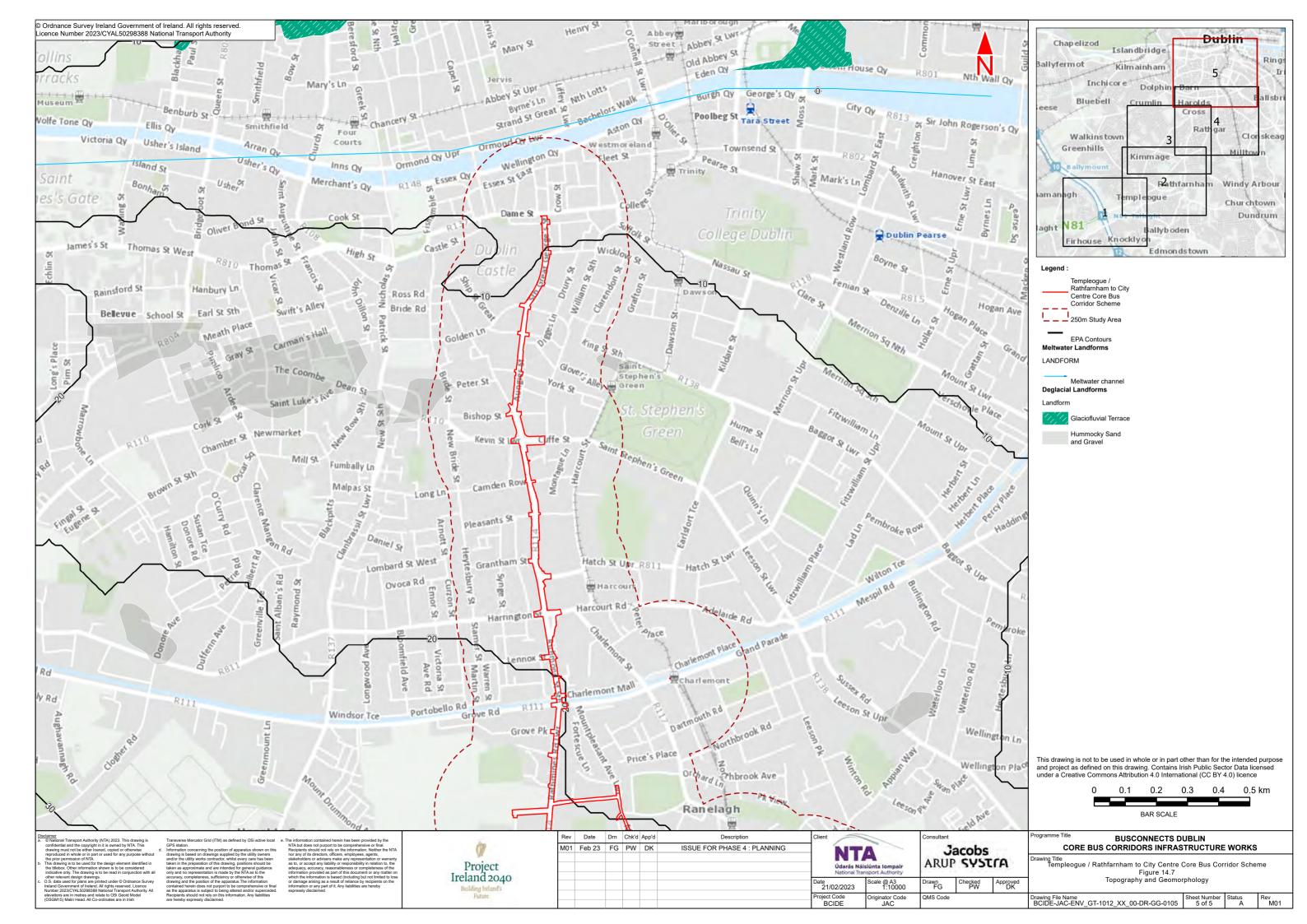
	Chapelizod	Dut	lin	S HAL
	Islan dbridge Ballyferm ot Kilmainham	FAT	A A	Rings
	Inchicore Dolphin		\sqrt{N}	L.
		Harolds	E	allsbri
0 Ve	June To Cal	Cross 4 Rathgai	T.	S-
	Walkinstown 3 Greenhills		Clo	skeag
	Kimmage		Milltov	n l
AST		farnham	Windy A	rbour
	hamanagh Templeogue	in .	Churcht	and the second second
Ŋ	laght N81 Ballybod	en	Dune	irum
	Firhouse Knocklyon Edmon			
	Legend :	13 (0)111		
Z	Templeogue / Rathfarnham to City			
×50-	Centre Core Bus Corridor Scheme			
	250m Study Area			
	EPA Contours Meltwater Landforms			
	LANDFORM			
	Esker ridge			
Y	Meltwater channel Deglacial Landforms			
8	Landform			
6	Glaciofluvial Terrace Hummocky Sand			
X	and Gravel			
ullen Driv				
مر ا				
roan Ave				
	This drawing is not to be used in whole or in part			
	and project as defined on this drawing. Contains under a Creative Commons Attribution 4.0 Interna	Irish Public Sec	tor Data lice	ensed
X	0 0.1 0.2	0.3 0.4	0.5	km
	BAR SCALE			
	Programme Title BUSCONNECTS I			
ICA	CORE BUS CORRIDORS INFRA: Drawing Title Templeogue / Rathfarnham to City Centre			
Approved	Figure 14.7 Figure 14.7 Topography and Geomo		nuor ocne	
DK	Drawing File Name BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0101	Sheet Number 1 of 5	Status A	Rev M01



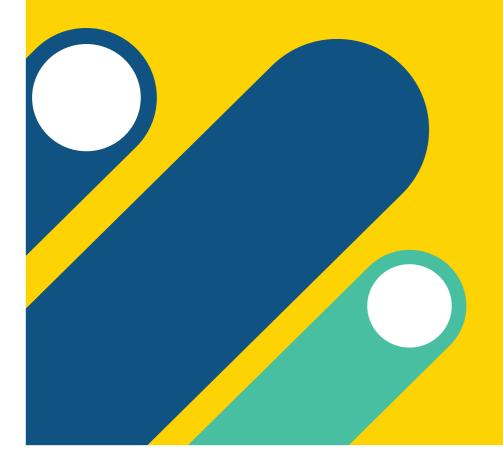
hfield Rd	Chapelizod	Dublin
	Islandbridge Ballyfermot Kilmainham	Rings
	Inchicor e Dolphin	5 In
Y	eese Bluebell Crumlin	Harolds Ballsbri
	whether the state	Cross 4 Rattigar
	Walkinstown 3	Clonskeag
	Greenhills Kimmage	Milltown
4	10 Ballymount	hfarnham Windy Arbour
Į.	iamanagh Templeogue	Churchtown
Zion Rt	Nos Tallaghe	Dundrum
RH	aght N81 Firhouse Knocklyon	oden
\cap	THINGSON T	ondstown
	Legend :	
	Templeogue / Rathfarnham to City Centre Core Bus	
Dodda	Corridor Scheme	
	250m Study Area	
	EPA Contours Meltwater Landforms	
	LANDFORM	
4 John Ste	Meltwater channel Deglacial Landforms	
	Landform	
40-	Hummocky Sand and Gravel	
AND I		
Hills		
\mathbf{i}		
X		
\sim		
4	This drawing is not to be used in whole or in pa and project as defined on this drawing. Contain under a Creative Commons Attribution 4.0 Inte	ns Irish Public Sector Data licensed
Oreto	0 0.1 0.2	0.3 0.4 0.5 km
Ore		
Ent	BAR SCAL	
	Programme Title BUSCONNECTS CORE BUS CORRIDORS INFR	
TrA	Drawing Title Templeogue / Rathfarnham to City Cen Figure 14.	
Approved DK	Topography and Geo	morphology
	Drawing File Name BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-01	02 Sheet Number Status Rev 2 of 5 A M01

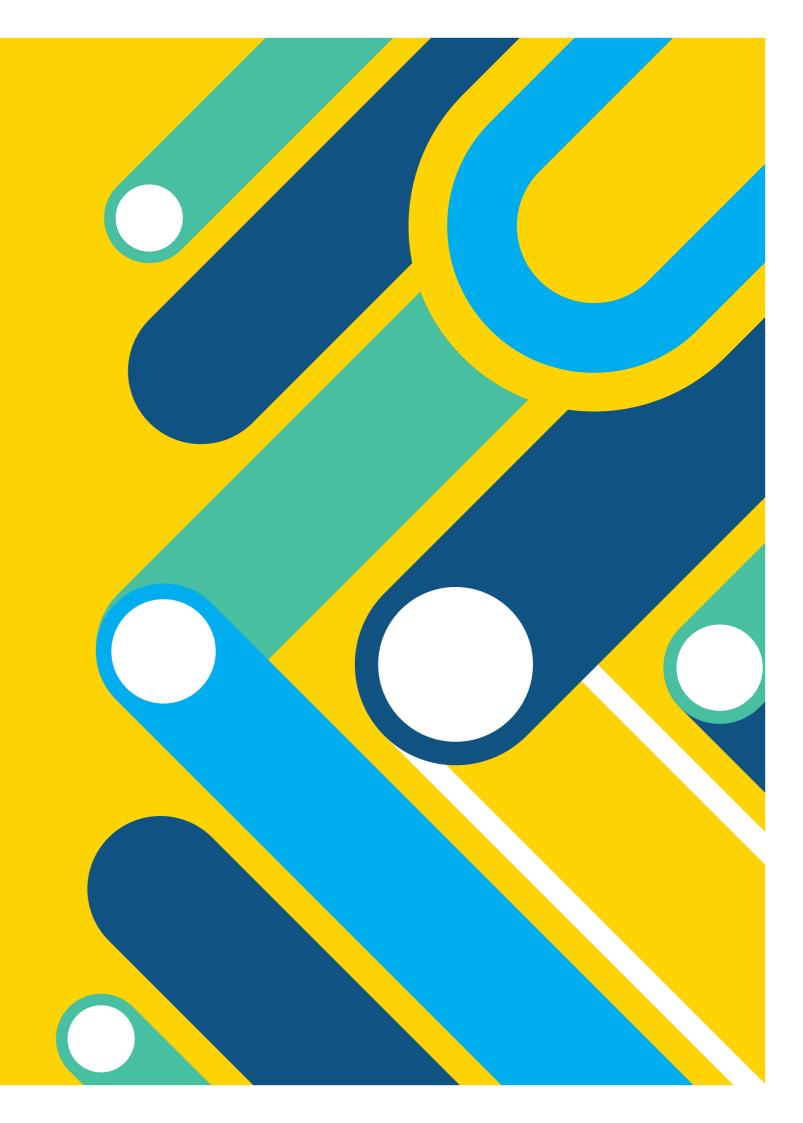


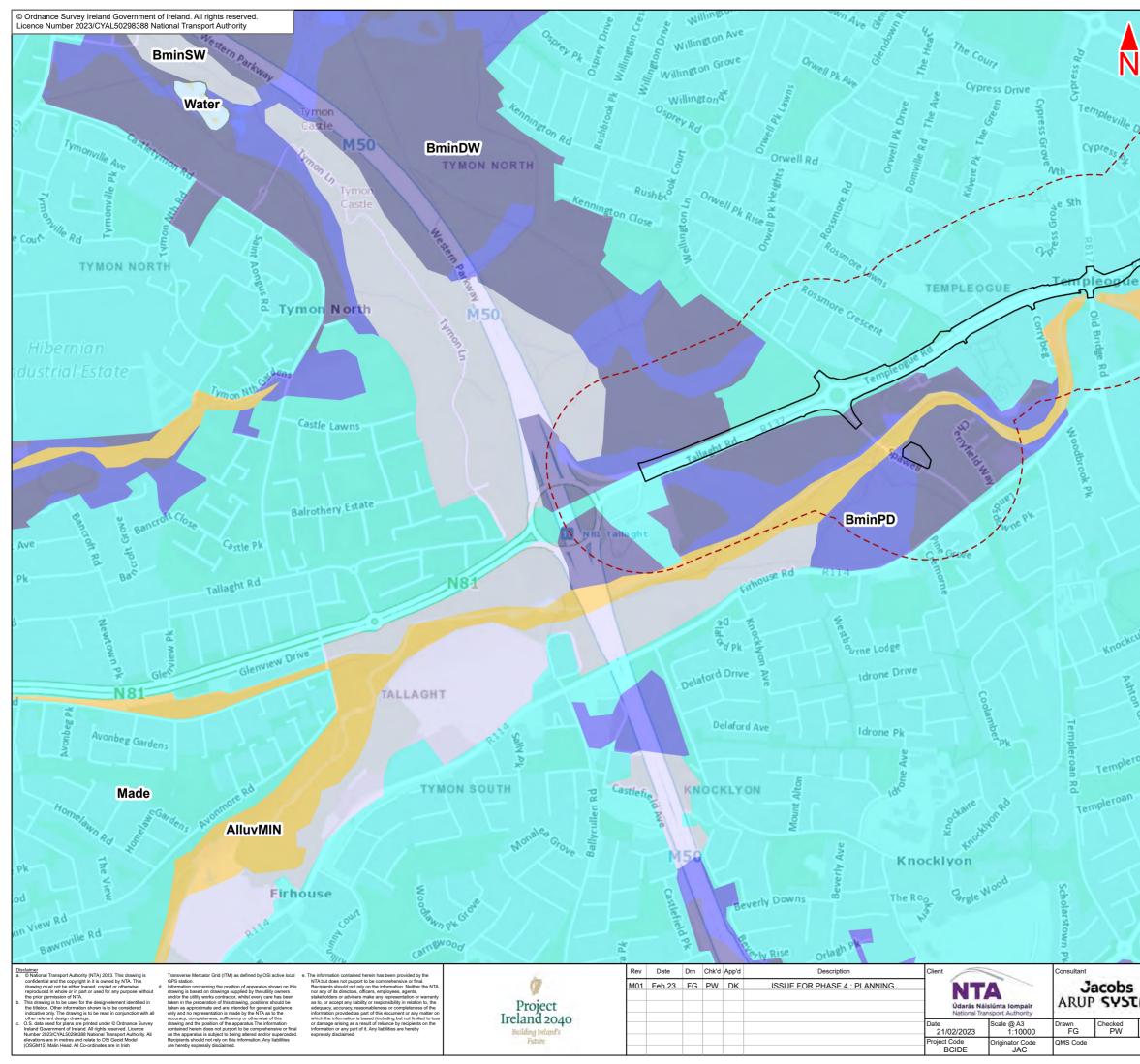




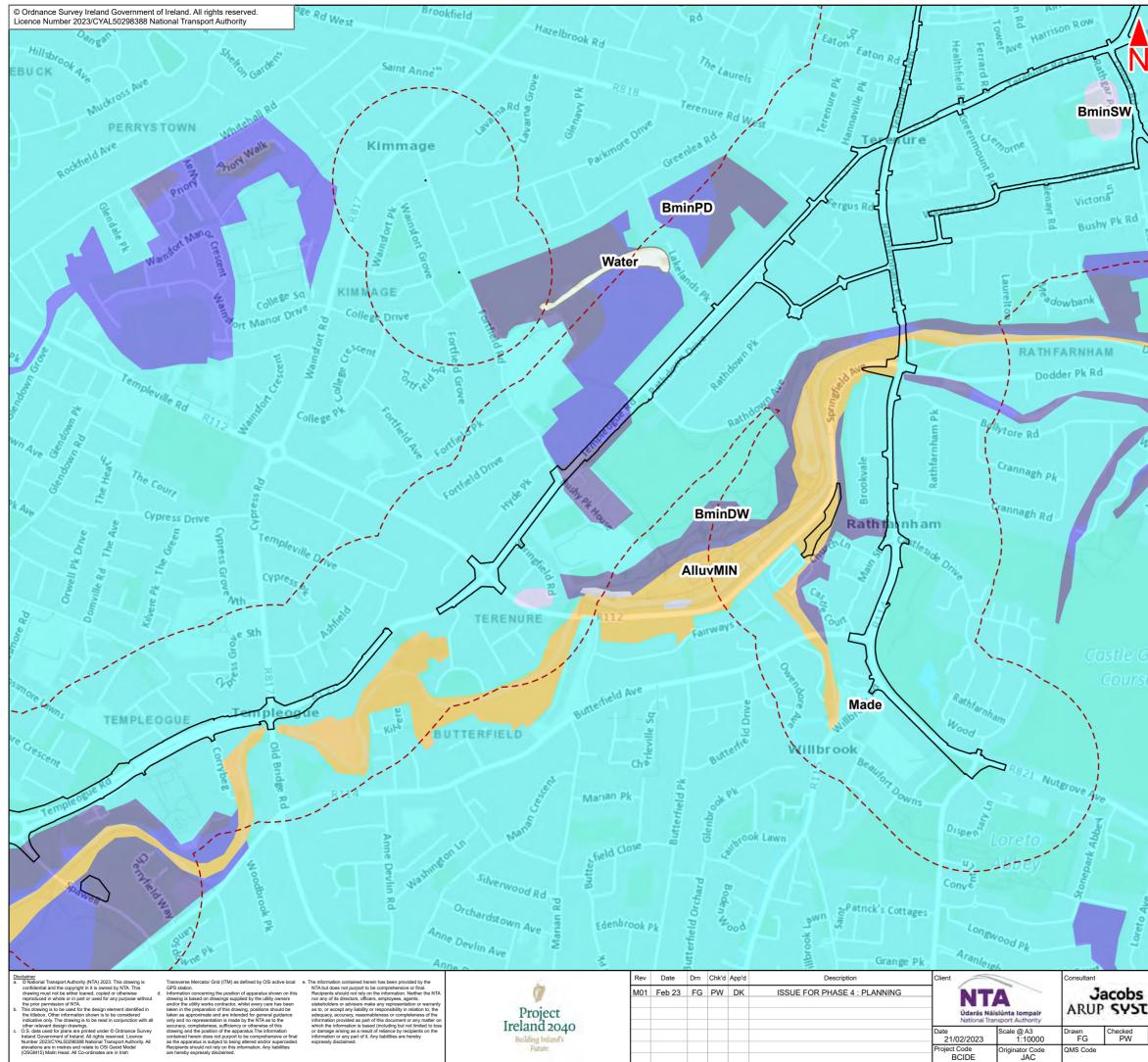
14.8 Soil Deposits



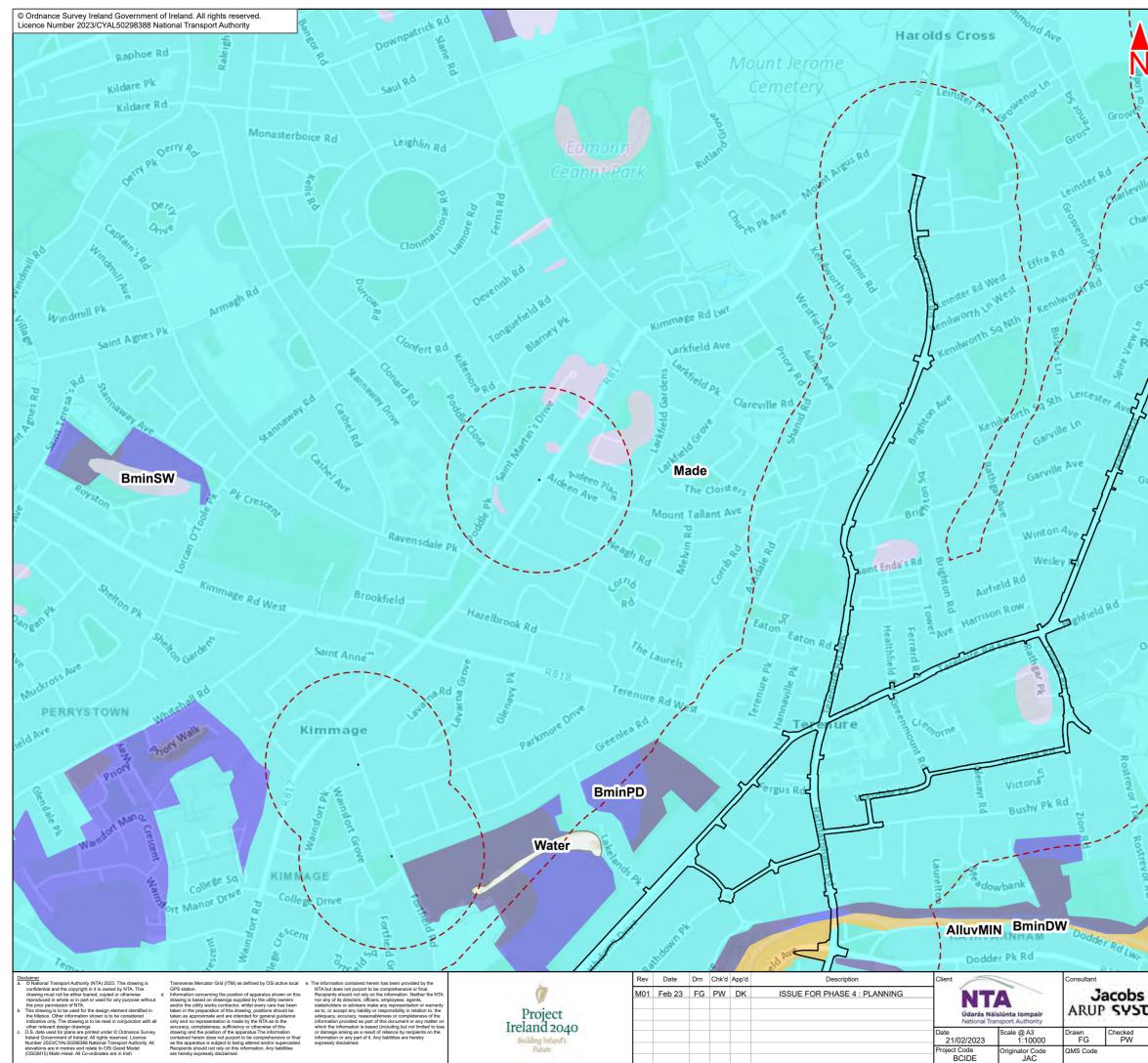




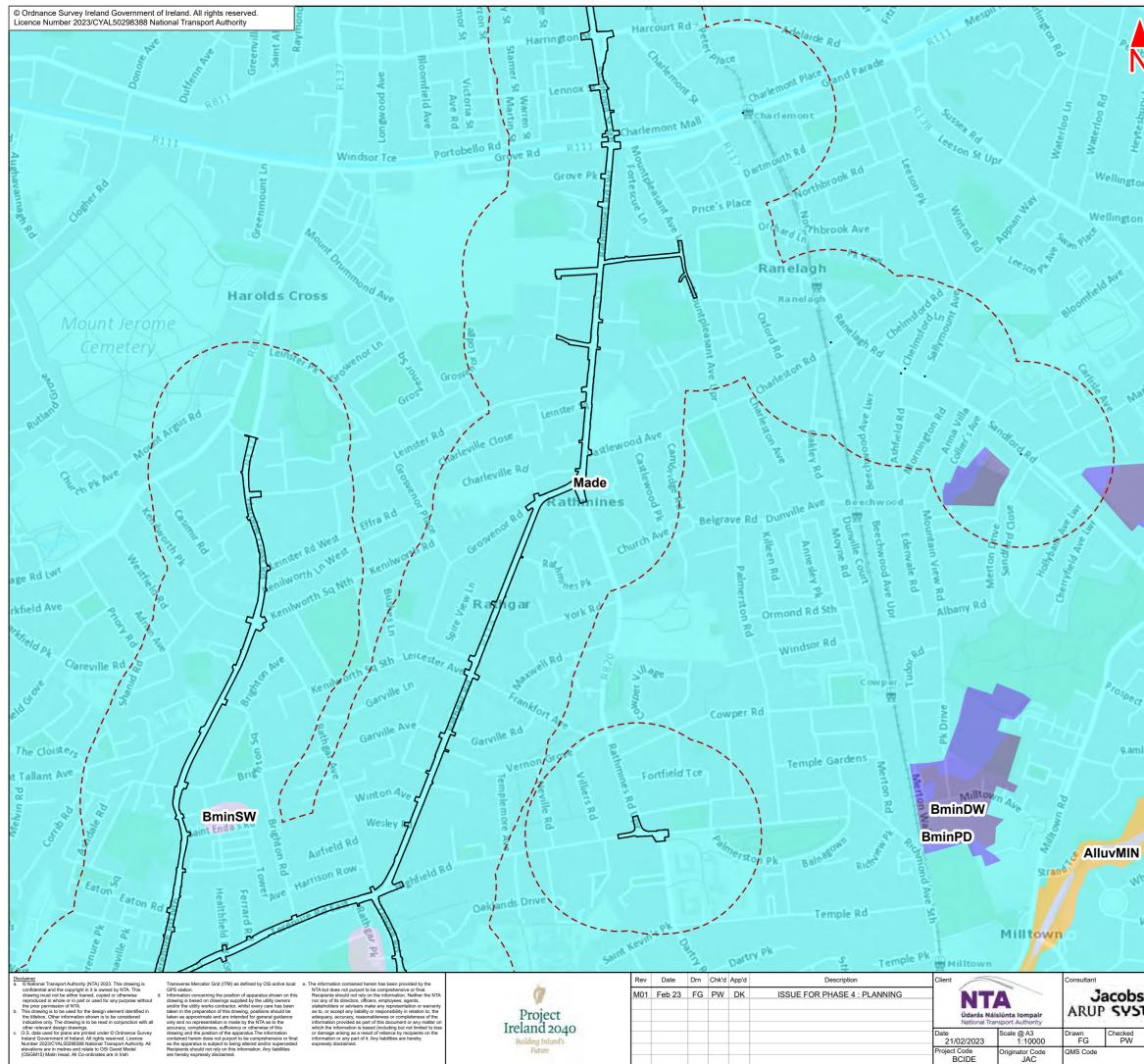
	Chanelized Dublin
	Islandbridge.
	Kilmainham 5
\sim	Inchicore Dolphin <mark>r Barn</mark> Bluebell Crumlin Harolds Ballsbri
1-	eese Crumin Harolds Cross
Drive	Walkinstown 3 Rathgar Cloriskeag
	Greenhills
No.	Kimmage Pillican
Astri	Pathfarnham Windy Arbour
	ham an agh Templeogu e Chur chtown
	laght N81 Ballyhoden
	Firhouse Knocklyon
~	Edmondstown
	Legend : Templeogue / Rathfarnham to City Centre Core Bus
	Corridor Scheme
	Teagasc Soils
1	AlluvMIN - Mineral alluvium
-	BminDW - Grey Brown Podzolics / Brown Earths Basic
	BminPD - Surface water Gleys / Ground water Gleys
Y	Basic BminSW - Renzinas / Lithosols
\rightarrow	Made
	Water
	Water
ullen Driv	
/	
Ter	
empleroan Pk a	
Grov P	
e ave	
oante	
-	
empl	
eroar	
NEW	
1	This drawing is not to be used in whole or in part other than for the intended purpose
1-	and project as defined on this drawing. Contains frish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
The	0 0.1 0.2 0.3 0.4 0.5 km
(BAR SCALE
	Programme Title
	CORE BUS CORRIDORS INFRASTRUCTURE WORKS
A	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.8
Approved DK	Soil Deposits
	Drawing File Name Sheet Number Status Rev



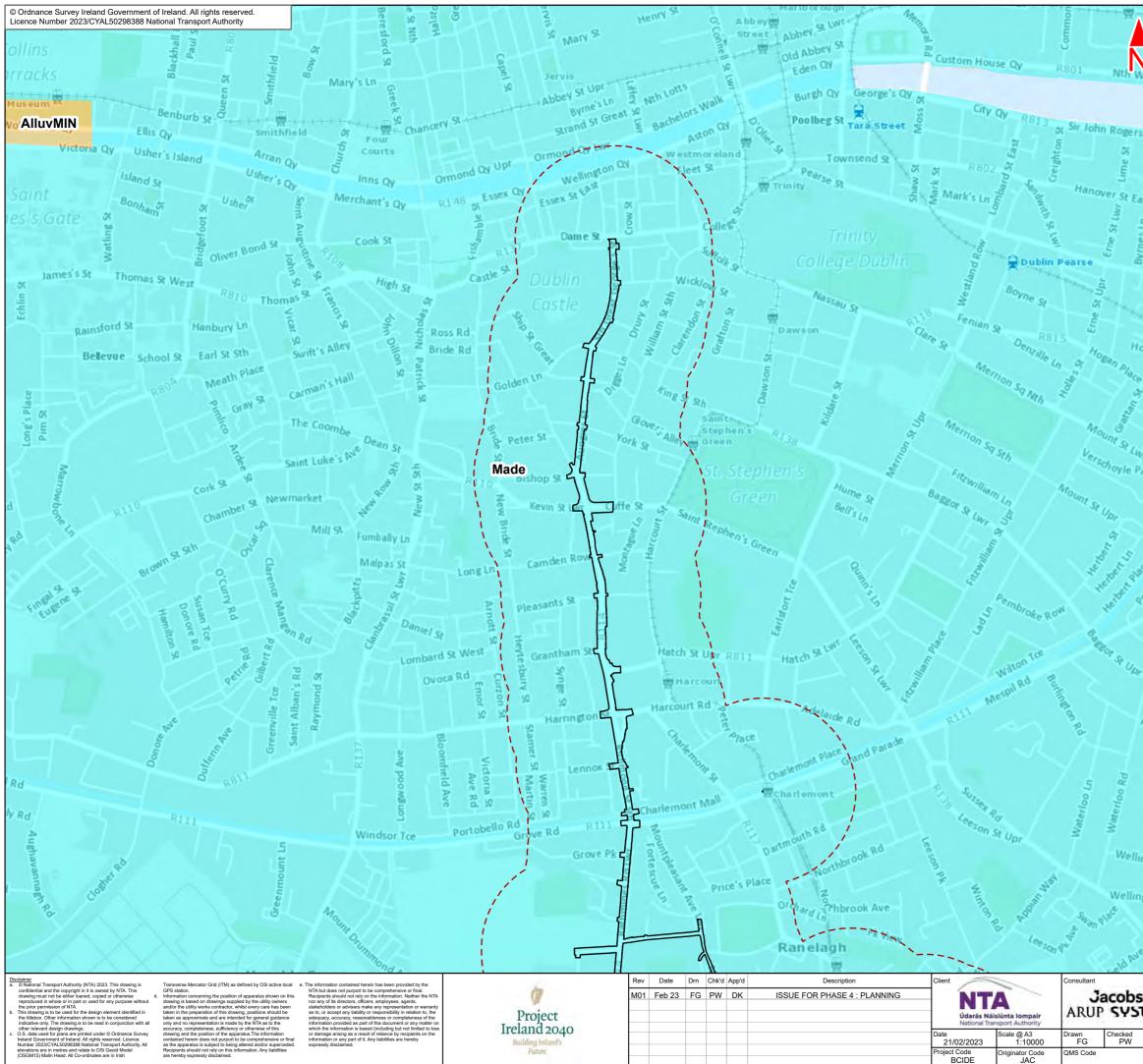
Hield Rd	Chapelizod Islandbridge Ballyfermot Kilmainham 5 Iri Inchicor e Dolphin Barn Bluebell Crumlin Harolds Eallsbri Greenhills Kimmage Clorskeag Greenhills Kimmage Milltown amanagh Flathfarnham Windy Arbour Chur chtown Dundrum Ballyboden Firhouse Knocklyon
Dodder Ro R11 Loodside Juoodside C	Legend :
Golf Te	
Loreto Cresce	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence 0 0.1 0.2 0.3 0.4 0.5 km BAR SCALE
	Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Approved DK	Figure 14.8 Soil Deposits
	Drawing File Name Sheet Number Status Rev BCIDE-JAC-ENV GT-1012 XX 00-DR-GG-0202 2 of 5 A M01



	Chanelized Dublin
	Islandbridge.
	Ballyfermot Kilmainham 5
$J^{*}\ell_{-}$	Inchicore Dolphin Ballsbri
	eese Cross
`\	Rattigar
1	Greenhills
le Close	Kimmage Milltown
	R ² athfarnham Windy Arbour
arleville Ra	amanagh Templeogue Churchtown
	Dundrum
orRd	laght N81 Ballyboden
osvenor Rd	Firhouse Knocklyon Edmondstown
//	Legend :
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
ta⊈hg a	250m Study Area
	Teagasc Soils
/	AlluvMIN - Mineral alluvium
<u>,</u>	BminDW - Grey Brown Podzolics / Brown Earths Basic
7 12	BminPD - Surface water Gleys / Ground water Gleys Basic
· 9)	BminSW - Renzinas / Lithosols
arville Rd	Made
	Water
Ver	
mple	
Templemore Av	
e Av	
- í	
aklands [
(
,	
-i	
/	
1	
1	
\sim	
Rd	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed
	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN
	CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.8
Approved DK	Soil Deposits
	Drawing File Name Sheet Number Status Rev BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0203 3 of 5 A M01



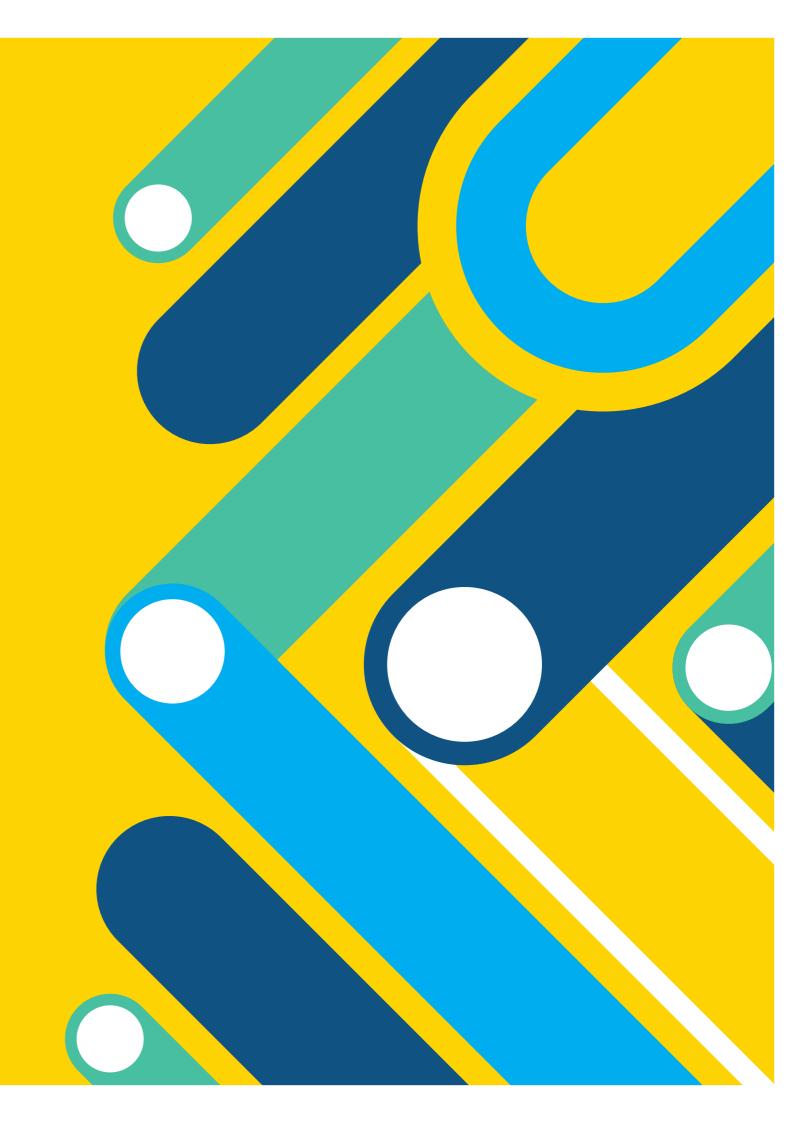
^{R816}	Chanalized
B alex i	Islandbridge Pinge
oke Ln	Sallyfermot Kilmainham 5
V Ln	Inchicore Dolphin Barn Bluebell Crumlin Harolds Ballsbri
Rd	cross
Nellington Rd	Walkinstown
/ellin	Greenhills Kimmage Milltown
on Ln	10 Ballymount
1	Reathfarnham Windy Arbour
n Place	Chur chtown
Note	laght N 81 Ballyboden Dundrum
	Firhouse Knocklyon Edmondstown
	Legend :
More	Templeogue / Rathfarnham to City Centre Core Bus
1	250m Study Area
anborough Rd	Teagasc Soils
alborot	AlluvMIN - Mineral alluvium
	BminDW - Grey Brown Podzolics / Brown Earths Basic
1 1	BminPD - Surface water Gleys / Ground water Gleys Basic
\$ 1	BminSW - Renzinas / Lithosols
	Made
8	
$\langle \cdot \rangle$	
314	
P.8	
\sim	
\sim ,	
the /	
10	
Ram/	
Pk	
8	
1	
heam R	
hitebu	This drawing is not to be used in whole or in part other than far the intended summer
0	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
Whitethor	00.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
Maple A	Programma Titla
5	CORE BUS CORRIDORS INFRASTRUCTURE WORKS
AIT	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.8
Approved DK	Soil Deposits
	Drawing File Name Sheet Number Status Rev BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0204 4 of 5 A M01

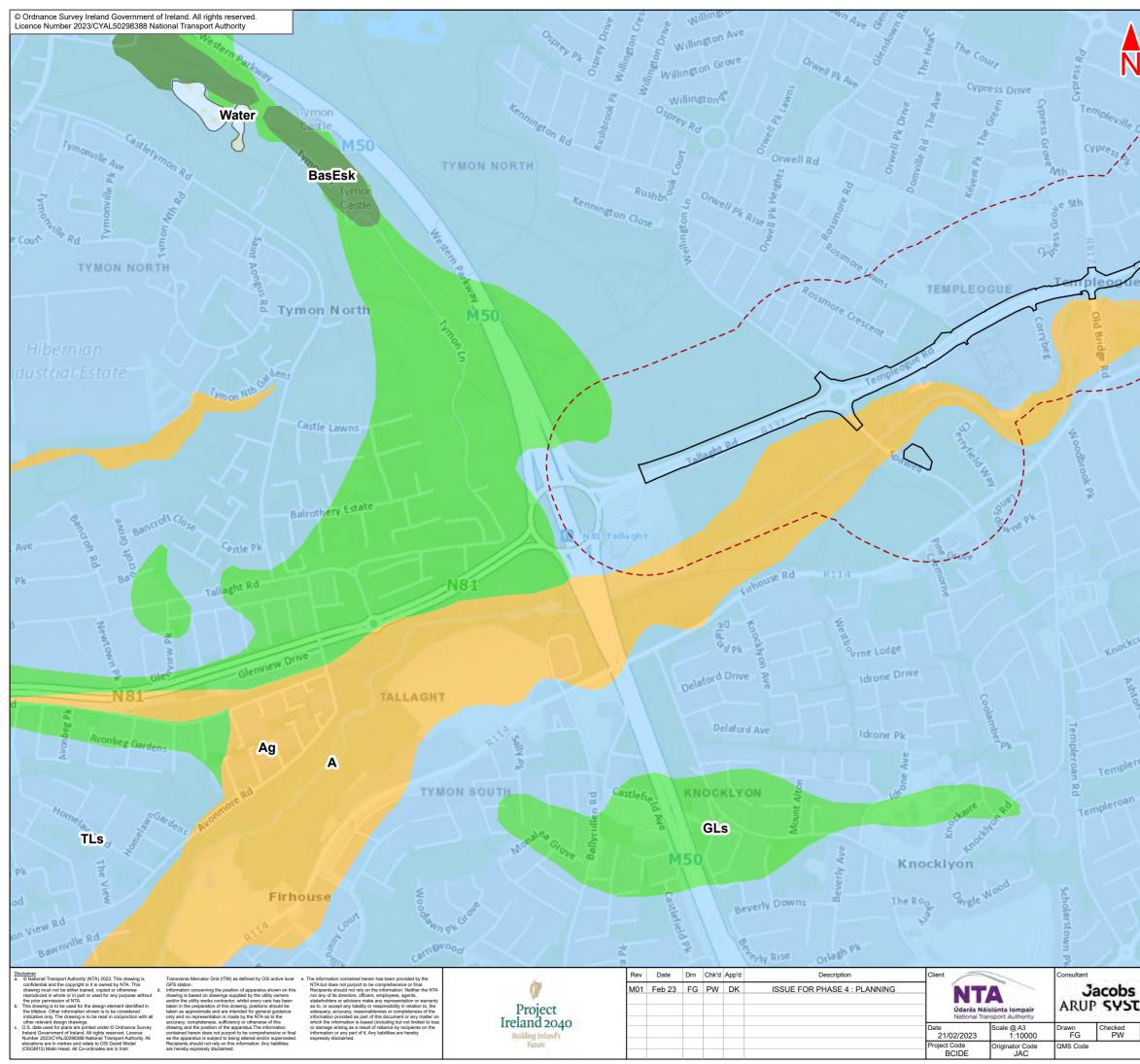


*****	Chanelized Dublin
ld Se	Islandbridge
Gui	Ballyfermot Kilmainham 5 Ir
all Qy	Inchicore Dolphin Barn
	eese Bluebell <u>Crumlin Harolds</u> Ballsbri Cross
ion's Qy	Rattgar
2 4 4 G	Walkinstown 3 Clorskeag
	Kimmage
Ist	Pathfarnham Windy Arbour
	iamanagh Templepque
A earse	Churchtown Dundrum
gearse Sq	laght N81 Ballyboden
6	Firhouse Knocklyon Edmondstown
0	Legend :
Actor	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
N	250m Study Area
ogan Ave	Teagasc Soils
	AlluvMIN - Mineral alluvium
Grand	Made
$\sum_{i=1}^{n}$	
2	
lace -	
- Ce	
\sim	
L /A	
74	
e glac	
Hadding	
Hadon	
Ne	
R	
Penu	
Pembroke	
rtesbury Ln	
Ann	
ttesh	
He)	
1 1	
ngton Ln	
gton Place	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed
	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
	0 0.1 0.2 0.3 0.4 0.5 km
5	BAR SCALE
$\sim \Delta$	Programme Title BUSCONNECTS DUBLIN
	CORE BUS CORRIDORS INFRASTRUCTURE WORKS
LLU	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.8
Approved DK	Soil Deposits
	Drawing File Name Sheet Number Status Rev BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0205 5 of 5 A M01

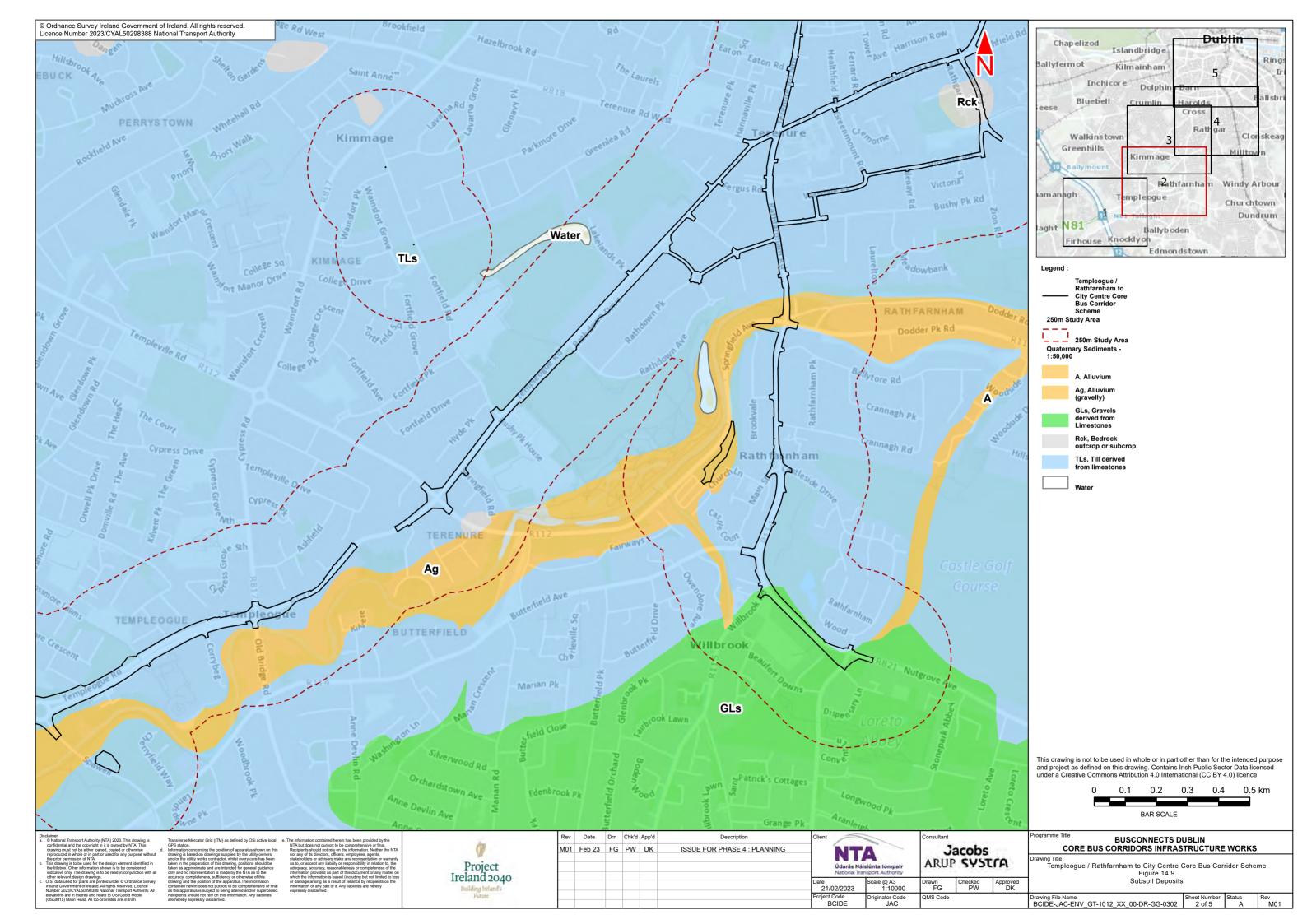
14.9 Subsoil Deposits

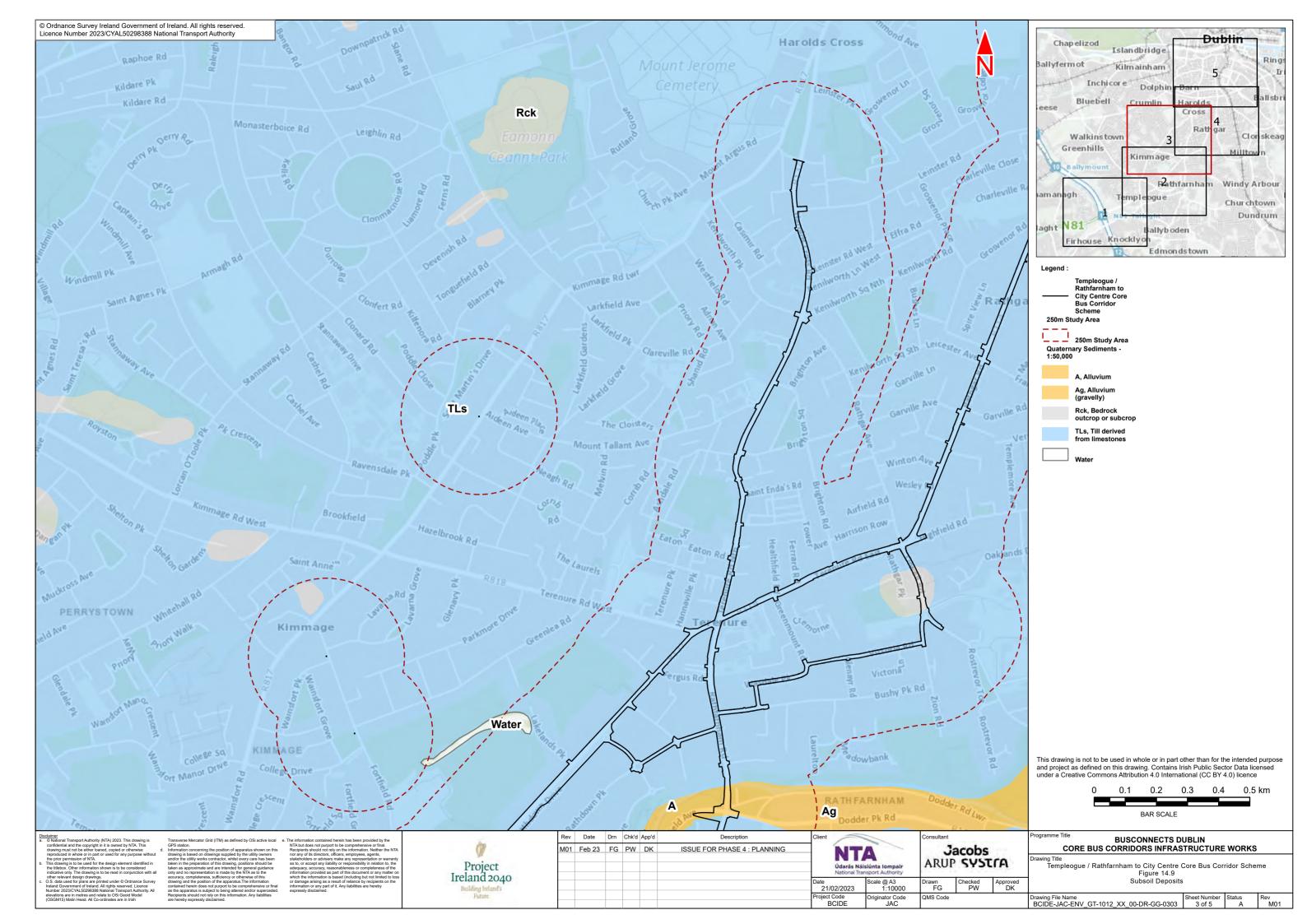


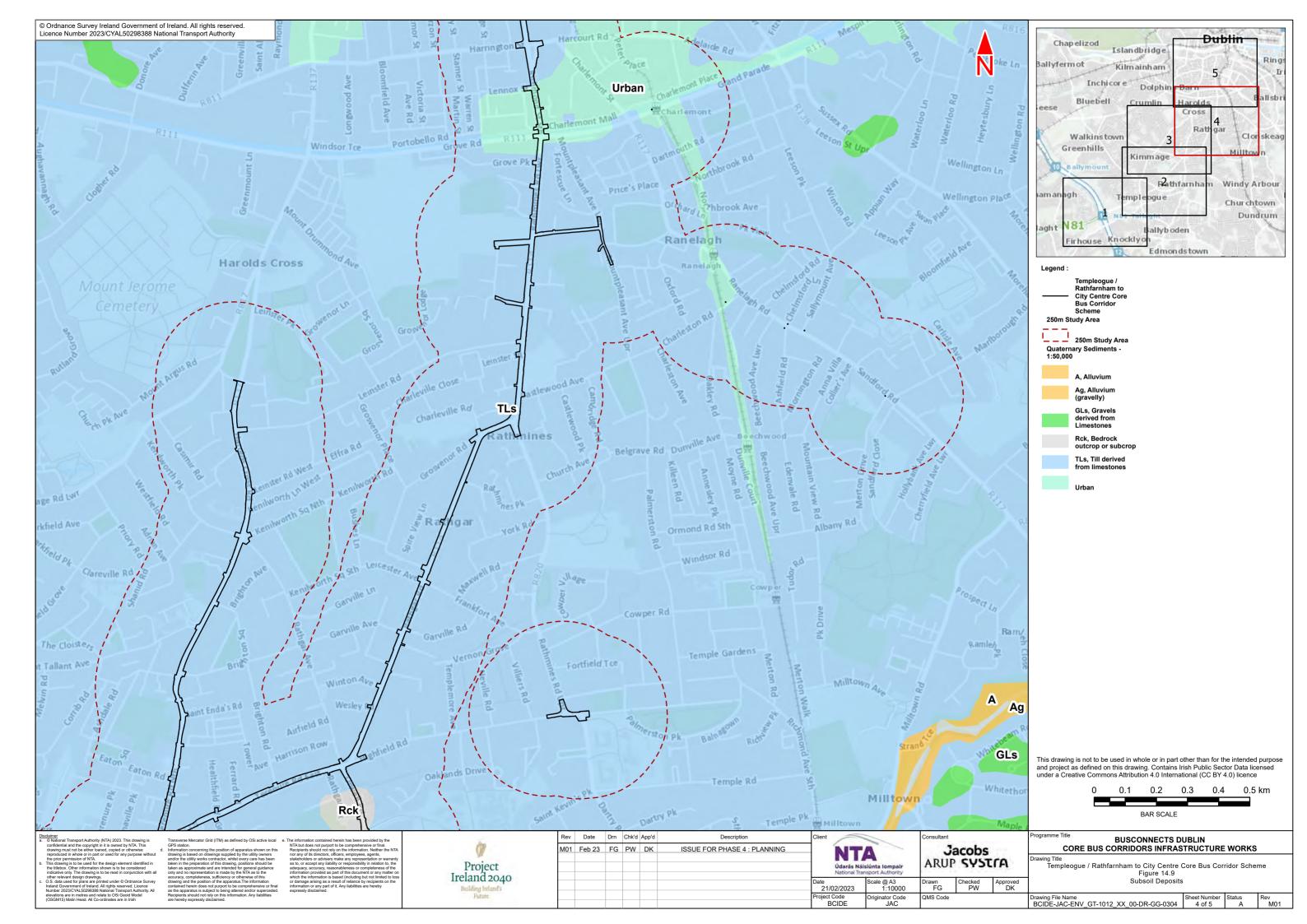


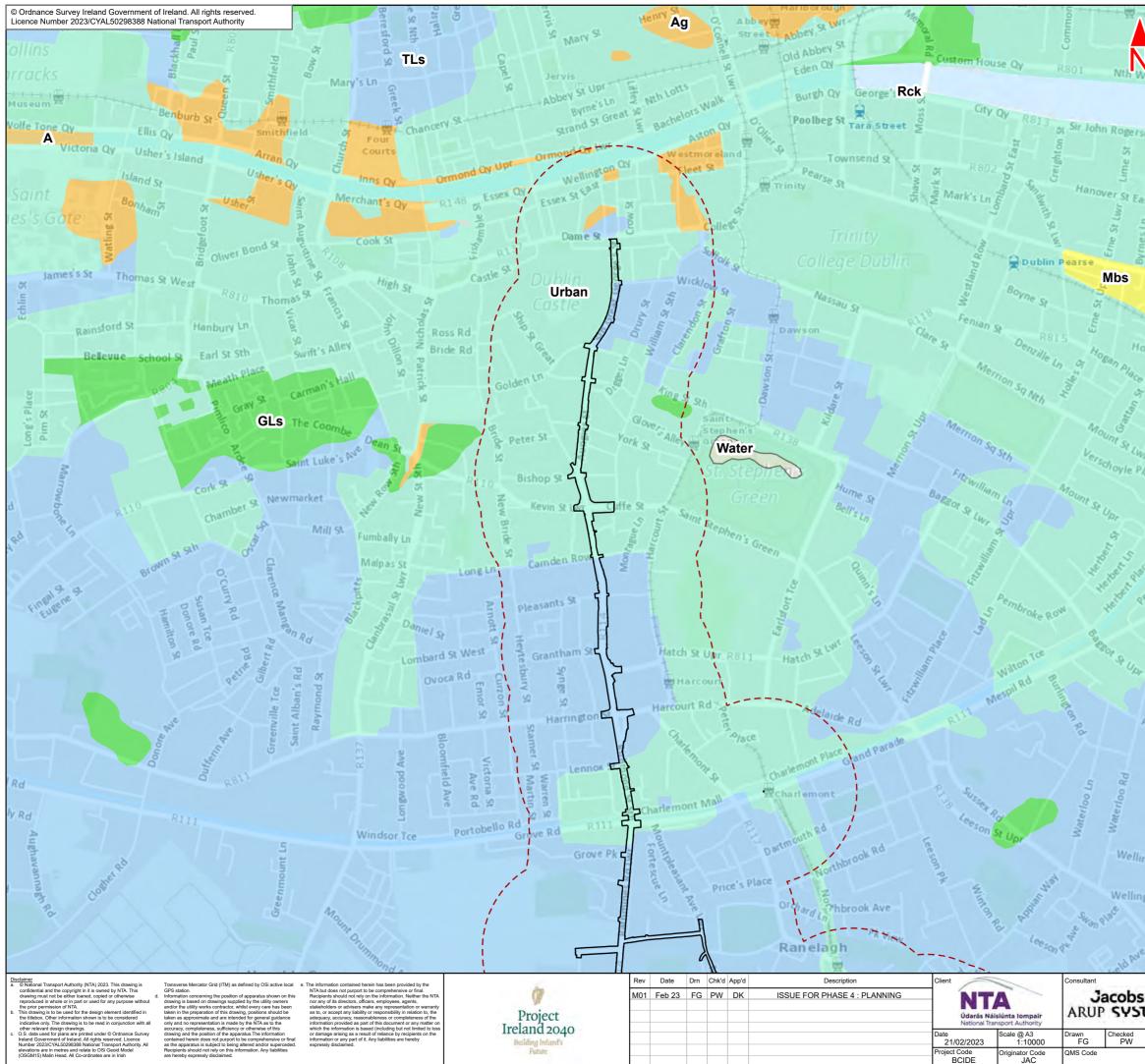


	Chapelizod Dublin
	Islandbridge Ballyfermot Kilmainham 5 Iri
	Inchicore Dolphin Barn
	eese Cross
Orive	Walkinstown 3 Rattigar Clorskeag
	Greenhills Kimmage Milltown
Astheld	Pathfarnham Windy Arbour
Pa	Rathfarnham Windy Arbour Iamanagh Templeogue Churchtown
	Net Tallight Dundrum
	laght N81 Ballyboden Firhouse Knocklyon
e	Edmondstown
	Legend : Templeogue /
	Rathfarnham to ————————————————————————————————————
	Scheme 250m Study Area
1	 250m Study Area
	Quaternary Sediments - 1:50,000
	A, Alluvium
	Ag, Alluvium (gravelly)
	GLs, Gravels derived from Limestones
	TLs, Till derived from limestones
	Water
	BasEsk, Eskers comprised of
	gravels of basic reaction
ullen Driv	
un	
Te	
empleroan PK	
Grow Pr	
an Ave	
0	
Ten	
plero	
an Wa	
2	
	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
The	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN
CCA	CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title
Approved	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.9 Subsoil Deposits
DK	Drawing File Name Sheet Number Status Rev BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0301 1 of 5 A M01







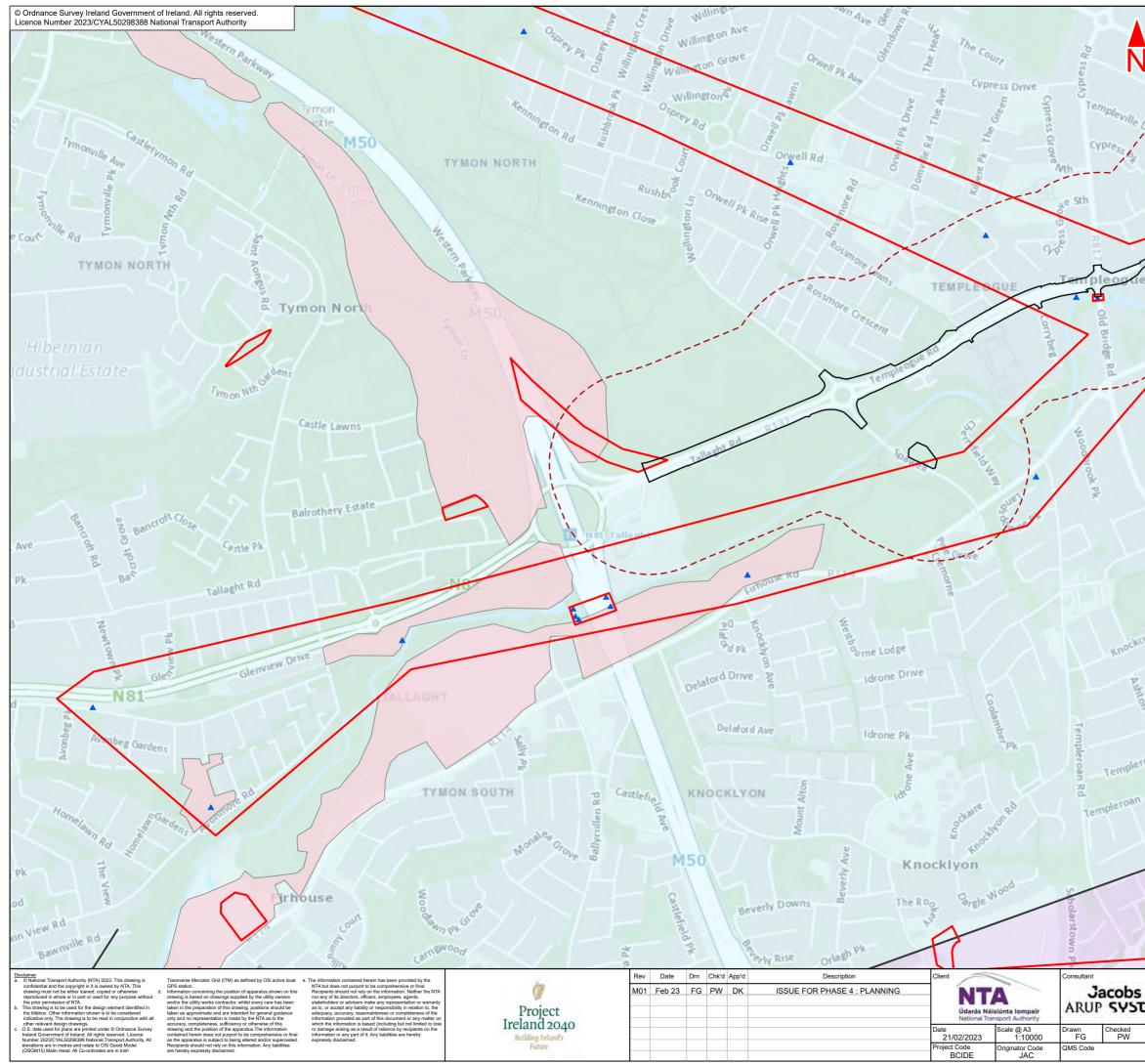


	Chanadized Dublin
d Se	Islandbridge
Gui	Ballyfermot Kilmainham 5 In
all Qy	Inchicor e Dolphin <mark>- Barn</mark>
	eese Bluebell Crumlin Harolds Ballsbri
on's Qy	Cross 4
ion's Qy	Walkinstown 3 Rattigar Clonskeag
	Greenhills Kimmage Milltown
	10 Ballymount
st	iamanagh Templebgu e Windy Arbour
A carse	Templeogue Churchtown
gearse Sq	laght N81 Ballyboden
Sq	Firhouse Knocklyon
0	Edmondstown
ken	Legend : Templeogue /
Ma	Rathfarnham to ————————————————————————————————————
ogan Ave	Bus Corridor Scheme 250m Study Area
211	[^]
Grand	250m Study Area Quaternary Sediments -
pa	1:50,000
7 1	A, Alluvium Ag, Alluvium
r	(gravelly)
lace ?	GLs, Gravels derived from Limestones
5	Rck, Bedrock
1 4	outcrop or subcrop Mbs, Marine beach
~ 0	sands
8 8	TLs, Till derived from limestones
de a	Urban
Hadding	Water
~ 2	
~	
R	
0	
Pembroke	
Vtesbury Ln	
esbu	
Heyt	
ngton Ln	
	This drawing is not to be used in whole or in part other than for the intended purpose
gton Place	and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
	0 0.1 0.2 0.3 0.4 0.5 km
\sim	BAR SCALE
	Programme Title
	BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS
Tra	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Approved DK	Figure 14.9 Subsoil Deposits
1 2.1	Drawing File Name Sheet Number Status Rev BCIDE-JAC-ENV GT-1012 XX 00-DR-GG-0305 5 of 5 A M01

14.10 Bedrock Geology

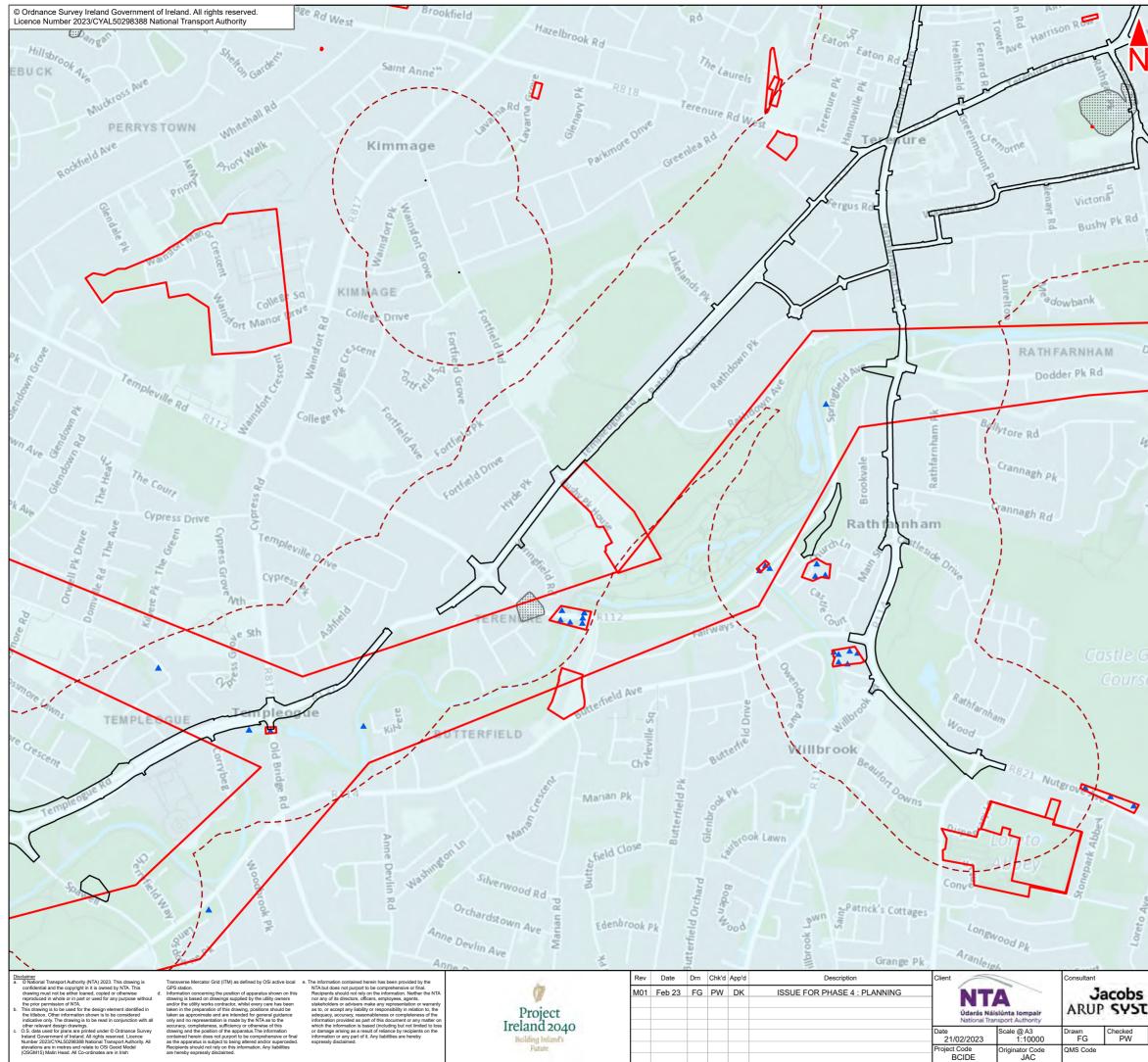




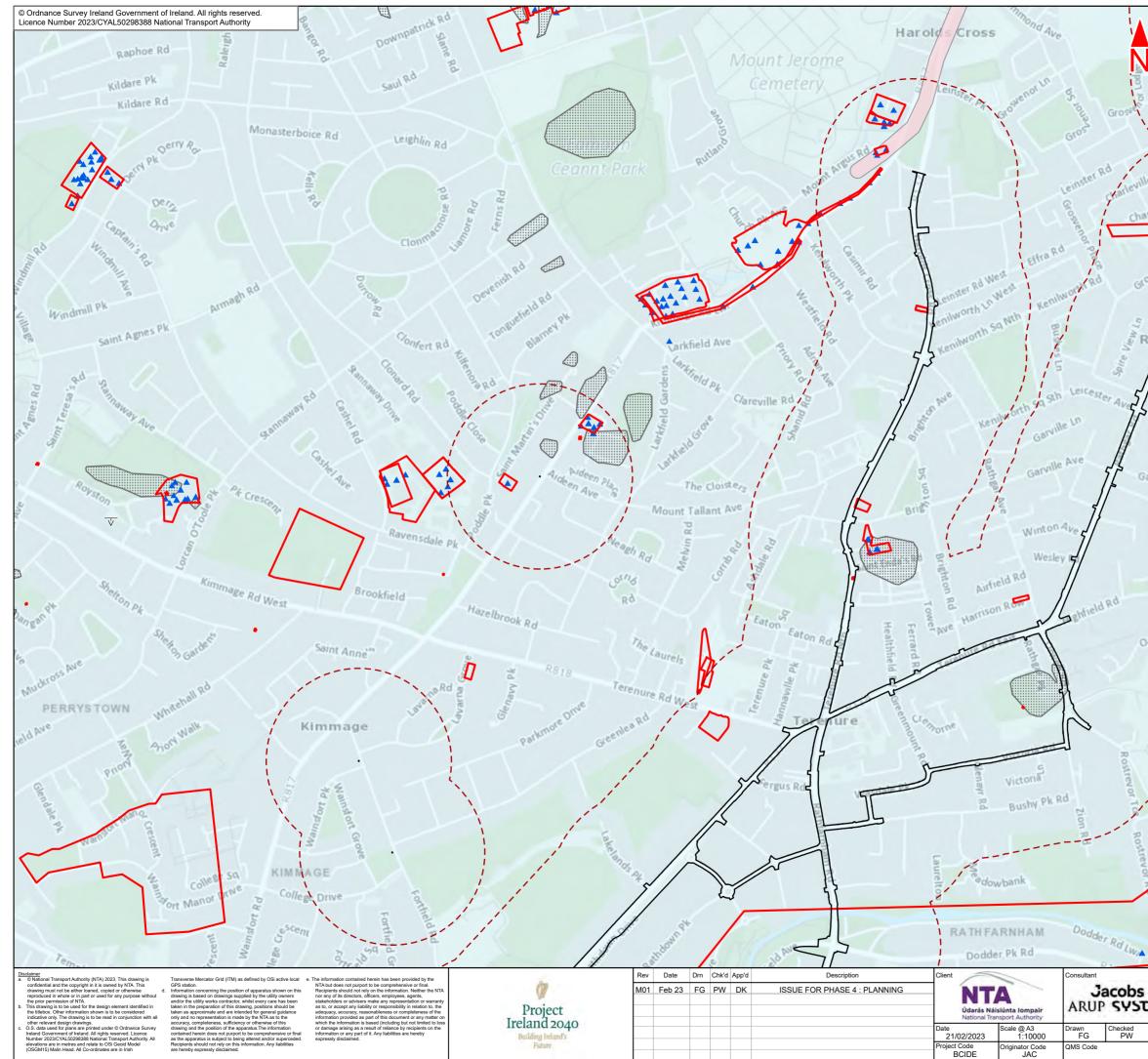


	Chapelizod
	Islandbridge Ballyferm ot Kilm ainh am 5 Iri
~	Inchicore Dolphin Barn
	eese Crumin Harolds Cross
Urive	Walkinstown 3 Rattigar Cloriskeag
1	Greenhills Kimmage Milltown
Admend	Rathfarnham Windy Arbour
1	iamanagh Templeogue Churchtown
	laght N 81 Ballyboden
	Firhouse Knocklyon Edmondstown
	Legend :
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
1	GSI Geotechnical Sites
1	Geological Heritage Site
	GSI Geotechnical Boreholes
	GSI Bedrock Geology - 1:100,000
	Lucan Formation
	Type 2p microcline porphyritic
	Butter Mountain Formation
cullen Driv	
Temp	
rempleroan Pk e	
OVE	
roan Av	
mpler	
oan W	
A	
	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
The	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS
TrA	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Approved DK	Figure 14.10 Bedrock Geology
	Drawing File Name Sheet Number Status Rev

BCIDE-JAC-ENV GT-1012 XX 00-DR-GG-0401	1 of 5	A	M01
Drawing File Name	Sheet Number	Status	Rev

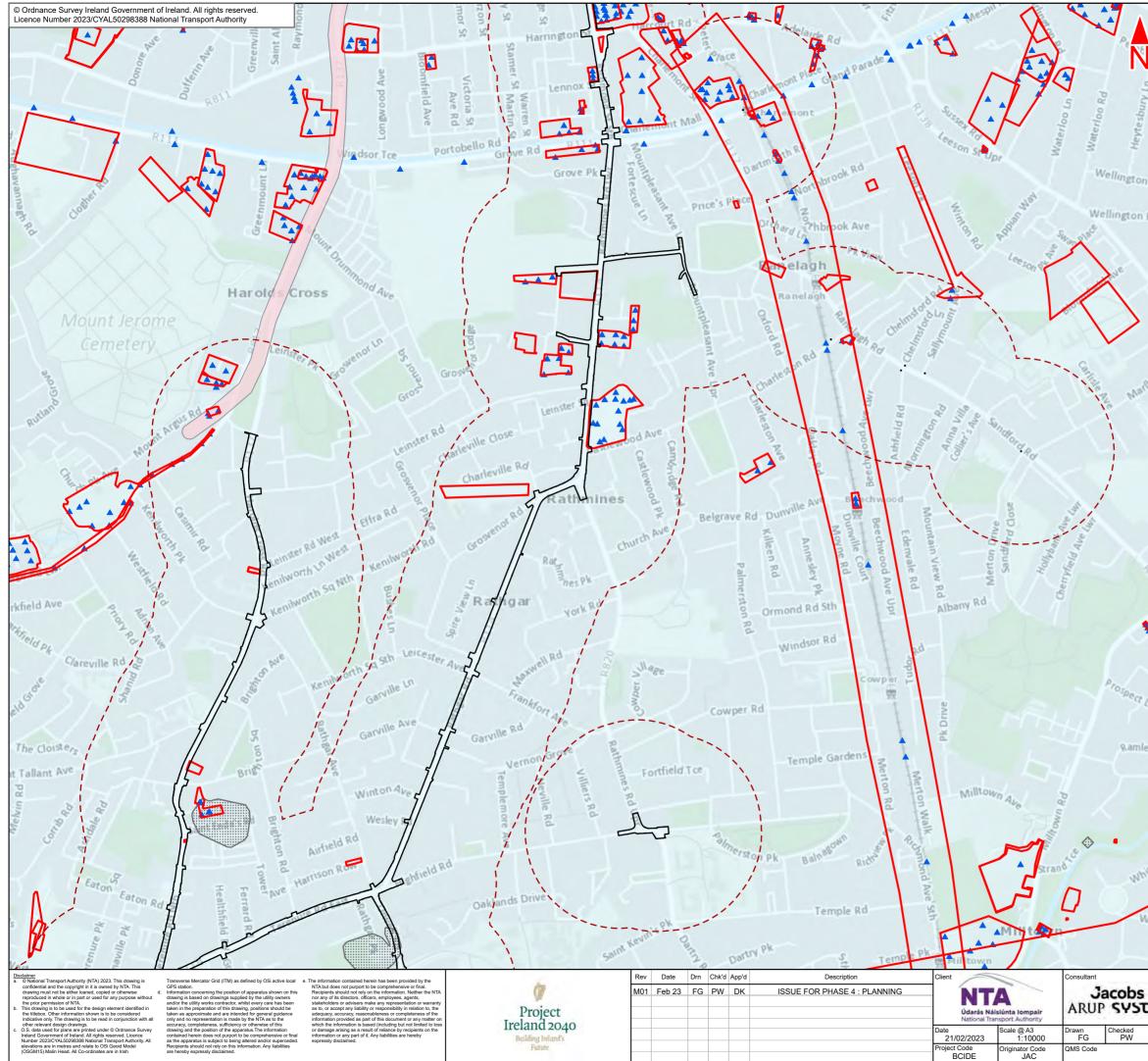


hfield Rd	Ballyferm ot Kilmainham	Dublin Rings 5
Y		Barn Harolds Ballsbri
	Walkinstown 3	Rattigar Clorskeag
t	Greenhills 10 Ballymount	farnham Windy Arbour Chur chtown
Zion RH	laght N81 Ballyboo Firhouse Knocklyon 12 Edmon	Dundrum den dstown
	Legend : Templeogue / Rathfarnham to City C Corridor Scheme	entre Core Bus
Dodder Ra	GSI Geotechnical Sites	
Pata	GSI Geotechnical Boreholes Fault	
0	GSI Bedrock Outcrop - 1:100,000 GSI Bedrock Outcrop - 1:100,000	
200digde	GSI Bedrock Geology - 1:100,000	
Noodside	Lucan Formation	
Hills		
Golf 19		
4		
1	This drawing is not to be used in whole or in par and project as defined on this drawing. Contains under a Creative Commons Attribution 4.0 Interr	Irish Public Sector Data licensed
Loreto Cresce	0 0.1 0.2 BAR SCALE	0.3 0.4 0.5 km
	Programme Title BUSCONNECTS CORE BUS CORRIDORS INFRA	
Approved	Drawing Title Templeogue / Rathfarnham to City Centre Figure 14.10 Bedrock Geolo	
DK	Drawing File Name BCIDE- IAC-ENV/ GT-1012_XX_00-DR-GG-0402	Sheet Number Status Rev

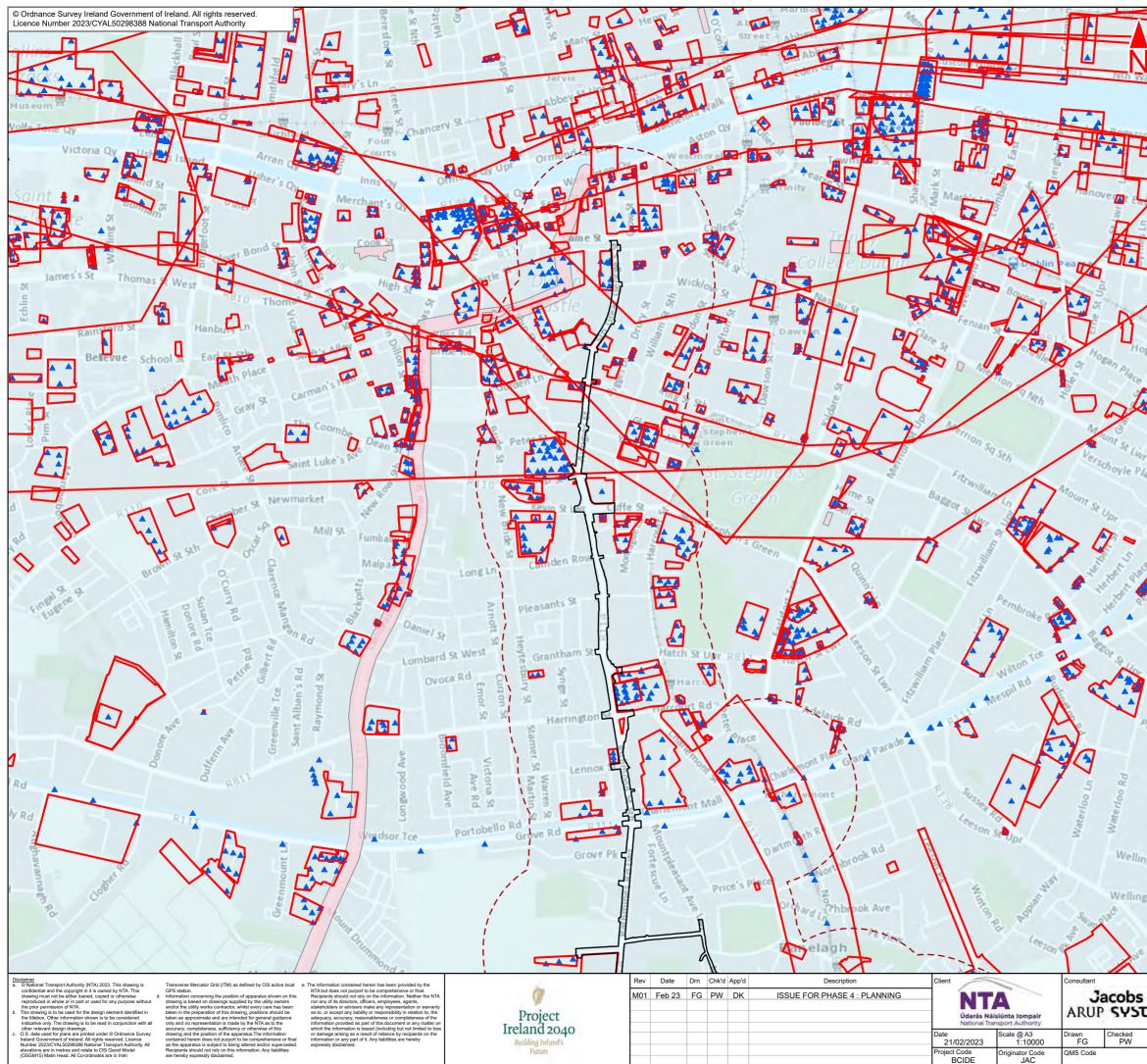


Λ	A DAME OF LAND
	Chapelizod Islandbridge
	Rallidarmat state
	5 Iri
14	Inchicore Dolphin Barn
× .	eese Bluebell Crumlin Harolds Ballsbri Cross
	4
1-1	Walkinstown 3 Rattigar Cloriskeag
-	Greenhills Kimmage Milltown
le Close	10 Ballymount
and Re	Rathfarnham Windy Arbour
arleville Re	amanagh Templeogue Churchtown
	Dundrum
ostenor Rd	laght N81 Ballyboden
syeno	Firhouse Knocklyon
	Edmondstown
	Legend : Templeoque / Rathfamham to City Centre Core Bus
	Corridor Scheme
Ratinga	250m Study Area
	GSI Geotechnical Sites
A I	Geological Heritage Site
	▲ GSI Geotechnical Boreholes
200	GSI Bedrock Structural Symbols - 1:100,000
Fra	Strike and dip of bedding, right way up
	GSI Bedrock Outcrop - 1:100,000
arville Rd	GSI Bedrock Outcrop - 1:100,000
	GSI Bedrock Geology - 1:100,000
Ver	Lucan Formation
Templemore	
lem	
ore	
Ave	
/	
aklands T	
N.	
· · ·	
1	
j j	
1	
1	
~	
\sim	
2	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed
	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS
Tro	Drawing Title
-1.71	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.10 Bodrock Ceology
Approved DK	Bedrock Geology
	Drawing File Name Sheet Number Status Rev

BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0403 So f 5 A M01



R816	
	Chapelizod Islandbridge
oke Ln	Ballyfermot Kilmainham
	Inchicor e Datata B
V LN	Bluebell <u>Crumlin</u> Harolds
Rd	eese Cross
ton	Rattigar
Wellington Rd	Walkinstown 3 Clorskeag
	Kimmage
n Ln 🛛 🔊	10 Ballymount
Place	Rathfarnham Windy Arbour Templeogue
	Churchtown
Mole	laght N81 Ballyhoden
3	Ballyboden Firhouse Knocklyoh
λ.	Edmondstown
2	Legend :
Moreh	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
	250m Study Area
20	GSI Geotechnical Sites
nborough Rd	Geological Heritage Site
n.	▲ GSI Geotechnical Boreholes
1	GSI Bedrock Outcrop - 1:100,000
1 1	GSI Bedrock Outcrop - 1:100,000
\$ %	GSI Bedrock Geology - 1:100,000
	Lucan Formation
0	
1	
\sim	
<i>P</i> .	
12	
RS	
~	
\sim ,	
1	
-11	
Ram/	
eh Pl	
) ose	
mR	
hitebeam Ri	
	This drawing is not to be used in whole or in part other than for the intended purpose
	and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
Whitethor	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
Maple	
	Programme Title BUSCONNECTS DUBLIN
	CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title
CIA	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.10
Approved DK	Bedrock Geology
	Drawing File Name Sheet Number Status Rev BCIDE-JAC-ENV GT-1012 XX 00-DR-GG-0404 4 of 5 A M01

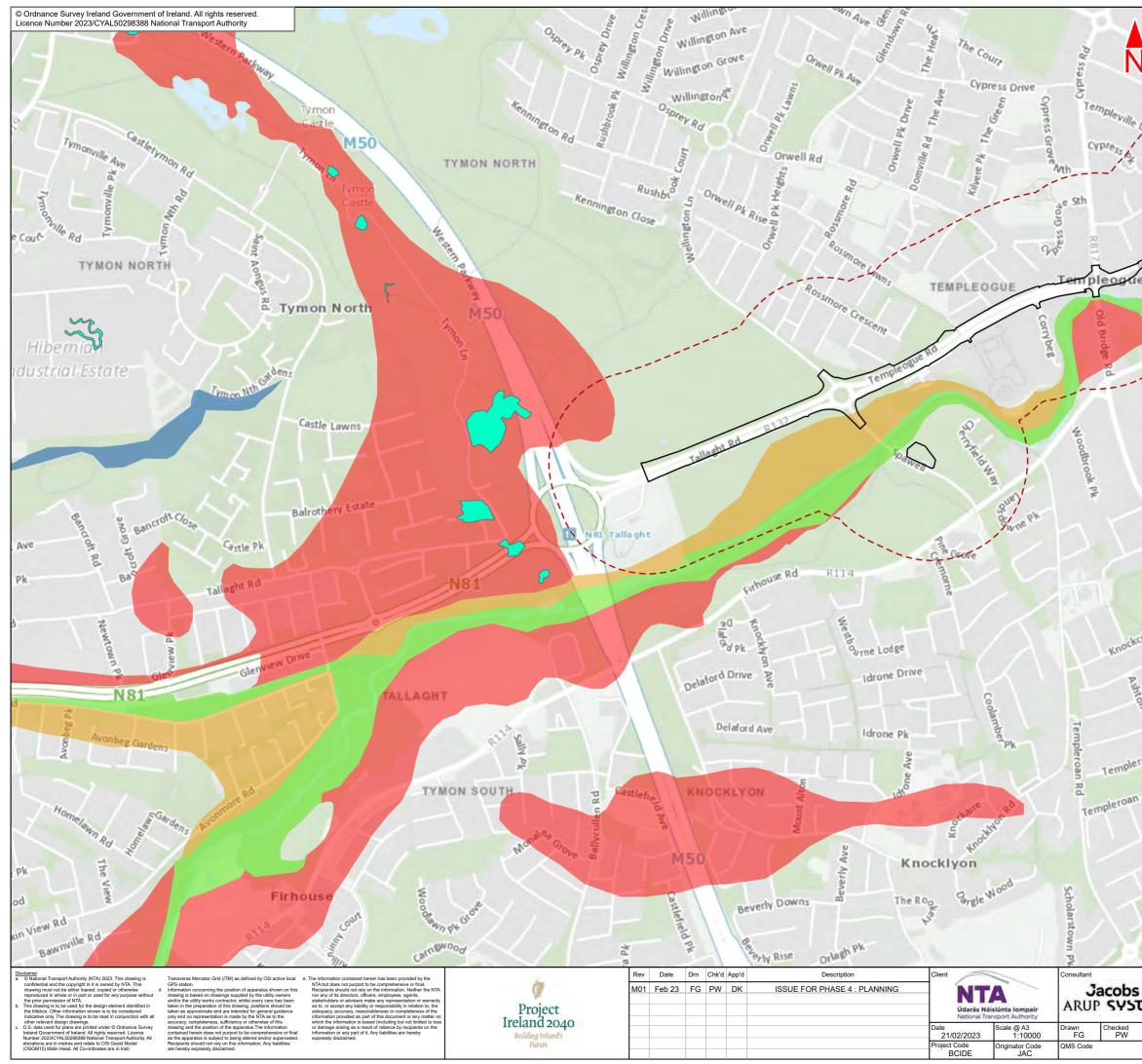


	Chanelized Dublin
	Islandbridge Distantion
	Ballyfermot Kilmainham 5 In
all QV	Inchicore Dolphin Barn
	eese Bluebell <u>Crumlin Harolds</u> Ballsbri Cross
	Ratigar
	Walkinstown 3 Cloriskeag
- 54	Greenhills Kimmage Milltown
	10 Ballymount
1	Rathfarnham Windy Arbour
-Po	Churchtown
arse	laght N81 Ballyboden Dundrum
PS -	Firhouse Knocklyon
1	Edmondstown
	Legend : Templeogue / Rathfarnham to City Centre Core Bus
V	Corridor Scheme
ogan Ave	250m Study Area
	GSI Geotechnical Sites
	Geological Heritage Site
1 Sans	GSI Geotechnical Boreholes GSI Bedrock Geology - 1:100,000
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Lucan Formation
24	
Haddine	
<b>A</b>	
~ Y~	
R	
embroke	
esbury Ln	
sbur	
eyte	
H	
ngton Ln	
s.on Ln	
gton Pla ^{ce}	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed
	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence 0 0.1 0.2 0.3 0.4 0.5 km
	0 0.1 0.2 0.3 0.4 0.5 km
$\sim$	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN
	CORE BUS CORRIDORS INFRASTRUCTURE WORKS
Tra	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.10
Approved DK	Bedrock Geology
	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0405         5 of 5         A         M01

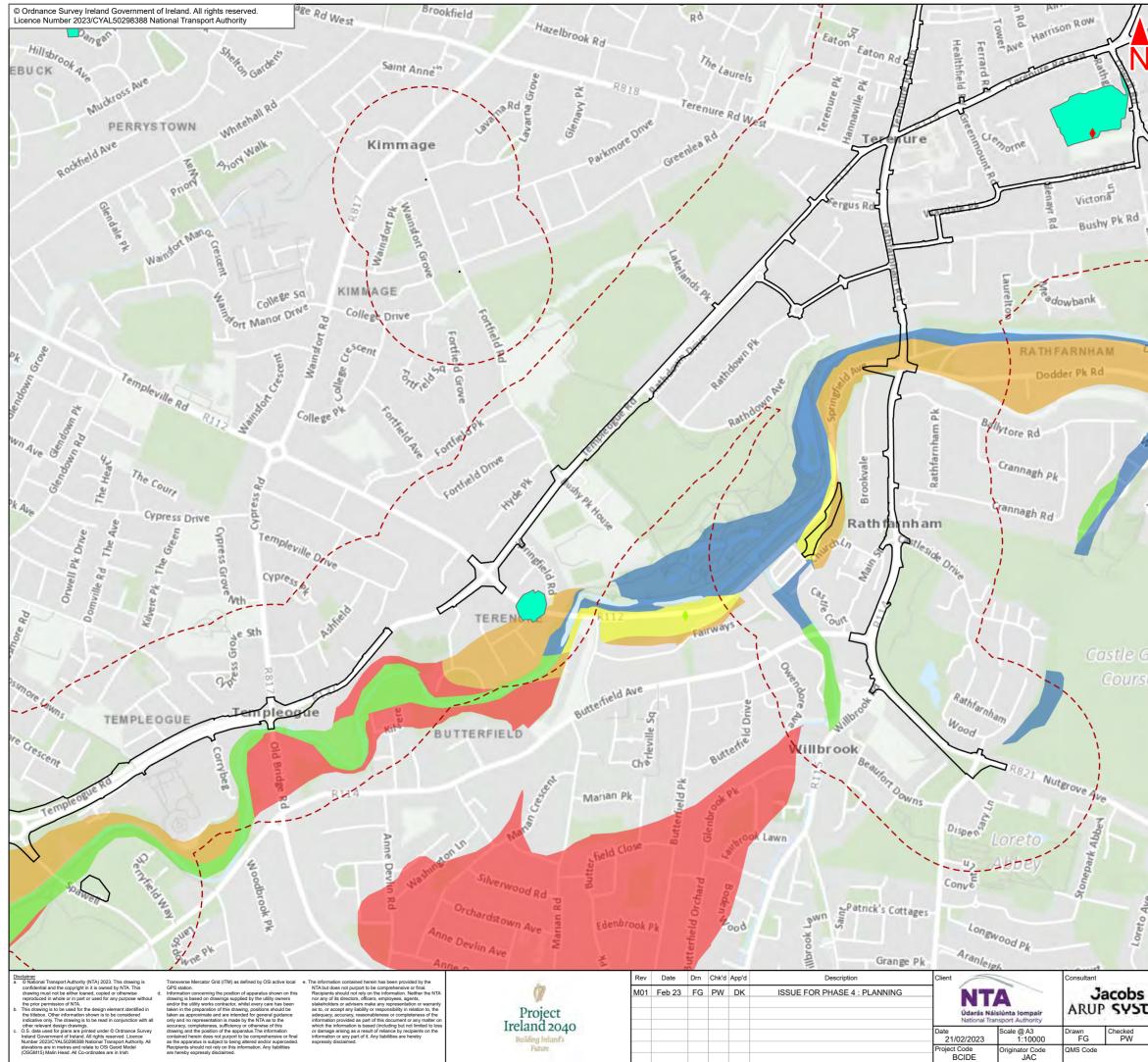
## **14.11** Granular Aggregate Potential



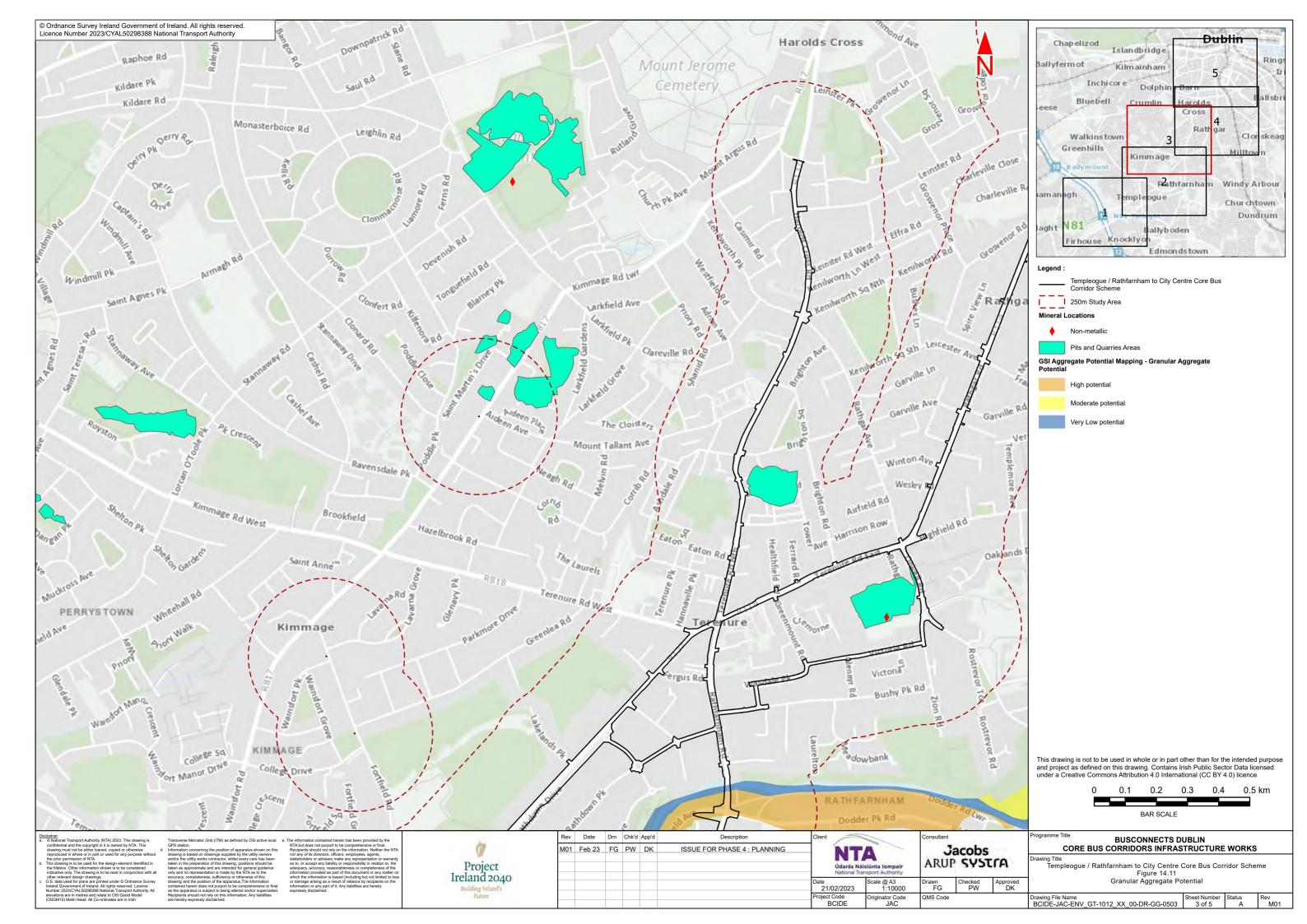


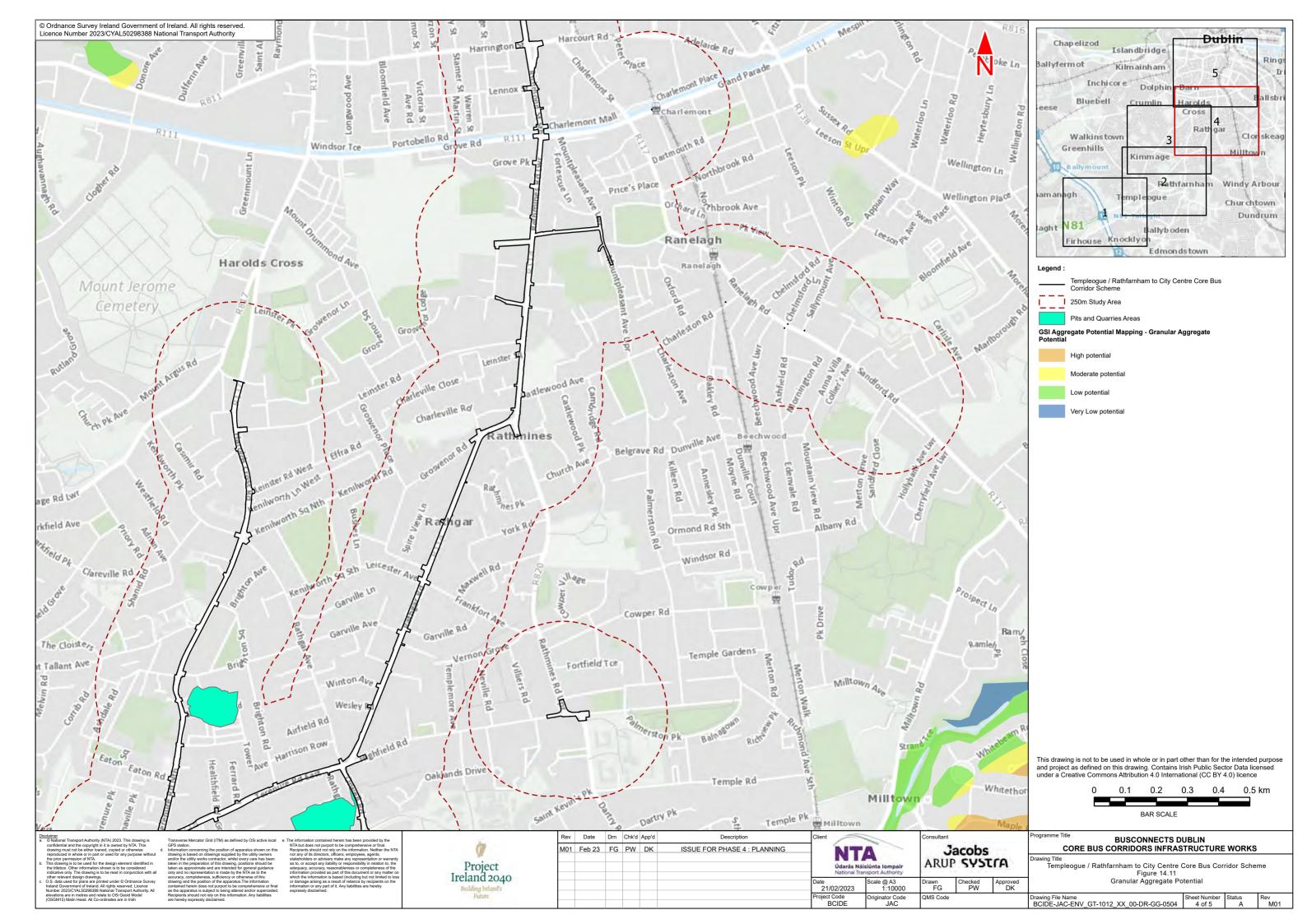


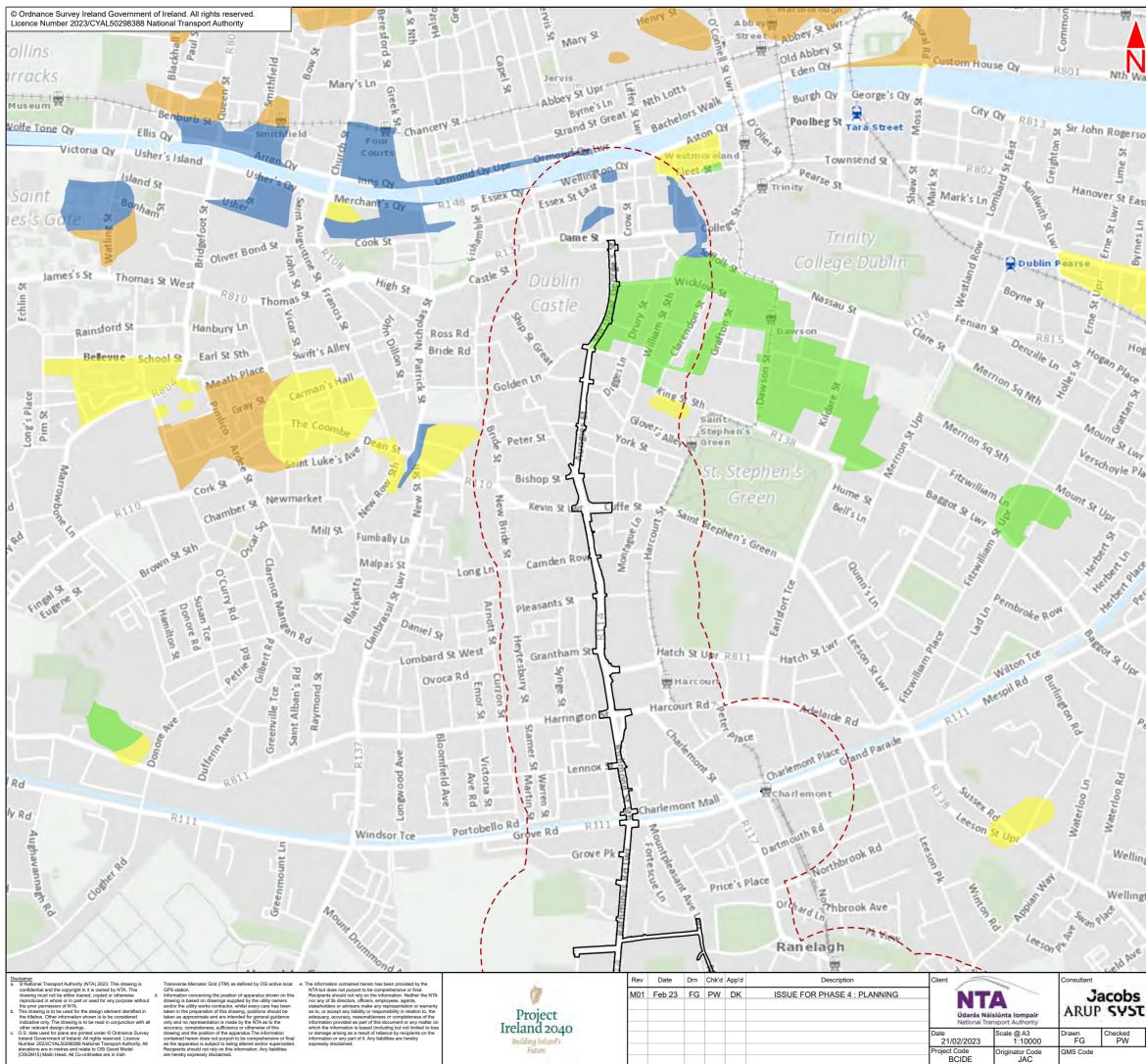
	Chapelizod
$\sim$	Islandbridge Ballyfermot Kilma ainh am
$\sim$	Inchicore Dolphing Barn
1-	eese Bluebell <u>Crumlin Harolds</u> Ballsbri Cross
Drive	Rattigar
	Greenhills Kimmage Milltown
Astheld	10 Ballymount
P.St.	Rathfarnham Windy Arbour Templeogue
	Churchtown Dundrum
	laght N81 Ballyboden
e	Edmondstown
	Legend : Templeogue / Rathfarnham to City Centre Core Bus
	Corridor Scheme
B114	Pits and Quarries Areas
1	GSI Aggregate Potential Mapping - Granular Aggregate Potential
-	Very High potential
1	High potential
Ч	Low potential
	Very Low potential
/	
-	
cullen Driv	
cuine	
10	
mplet	
Grov Pr	
Templeroan Pk &	
Templeroan Way	
plero	
anwa	
	This drawing is not to be used in whole or in part other than for the intended purpose
1-	and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
The	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN
TrA	CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Approved DK	Figure 14.11 Granular Aggregate Potential
	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0501         1 of 5         A         M01



hfield Rd	Chapelizod Islandbridge Ballyferm ot Kilmainham 5 Iri Inchicor e Dolphin Barn Bluebell Crumlin Harolds Bluebell Crumlin Harolds Ballsbri Greenhills Kimmage Cross 4 Malkins town 3 Clor skeag Greenhills Kimmage Milltow n Ballymount Pathfarnha m Windy Arbour
Zic	Churchtown
Zion RH	laght N81 Ballyboden Firhouse Knocklyon 12 Edmondstown
	Legend :
-	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Dodder p	L 250m Study Area Mineral Locations
R	♦ Metallic
	Non-metallic
	Pits and Quarries Areas GSI Aggregate Potential Mapping - Granular Aggregate
200dsion	Potential Very High potential
1 de O	High potential
Noodside	Moderate potential
Hills	Low potential
	Very Low potential
Polf	
bolj	
e	
e t	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
Loreto	0 0.1 0.2 0.3 0.4 0.5 km
Loreto Cres	BAR SCALE
Pont	Pronramme Title
	BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.11
Approved DK	Granular Aggregate Potential Drawing File Name Drawing File Name Rev
	BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0502 2 of 5 A M01





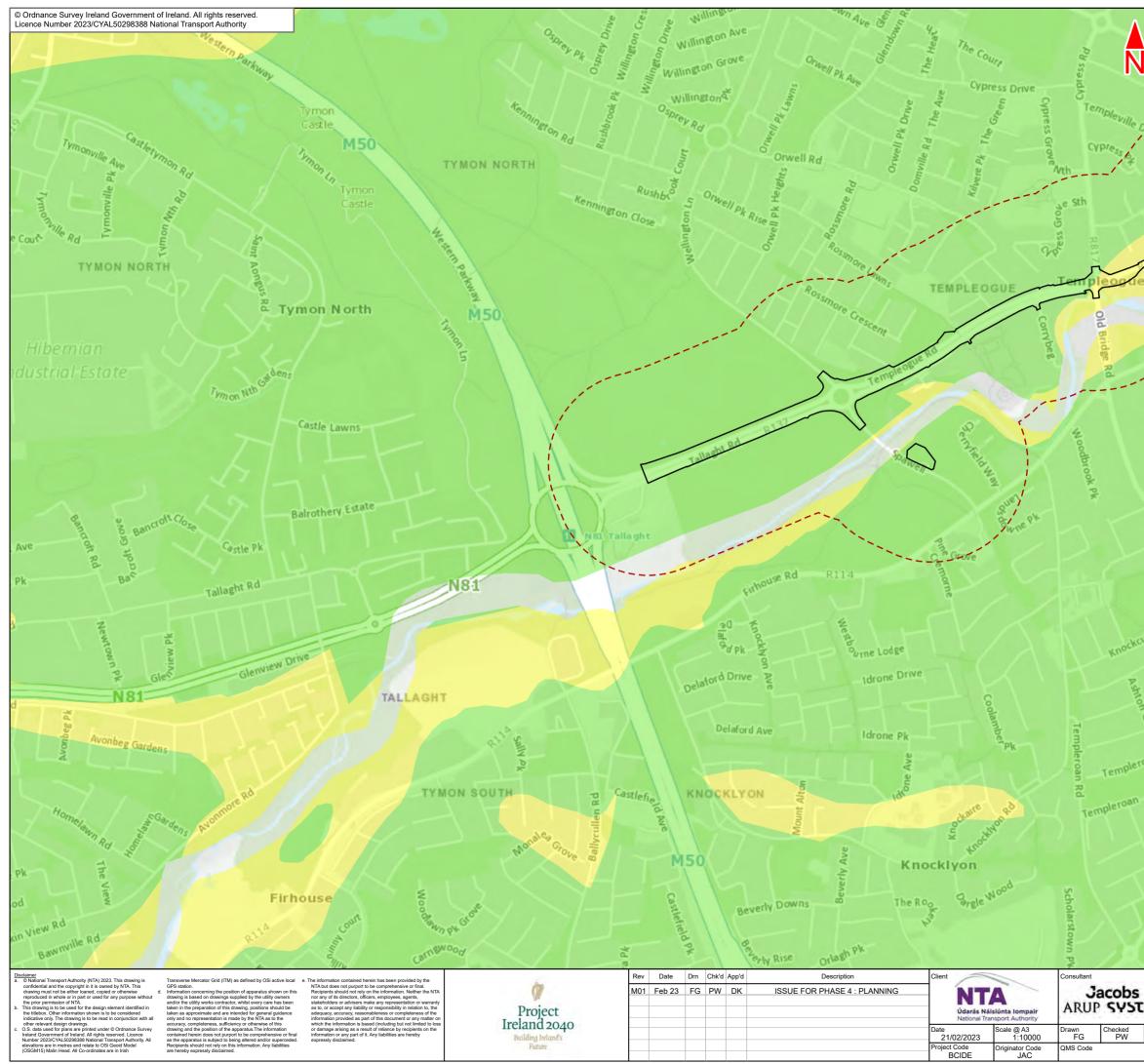


id se I	Chapelizod Islandbridge Rings
iall Qy	Ballyfermot Kilmainham 5 Inchicore Dolphin <mark>r Barn</mark>
	Bluebell Crumlin Harolds Ballsbri
on's Qy	Rattigar
	Greenhills Kimmage Milltown
st	Pathfarnham Windy Arbour
	namanagh Templeogue Churchtown
gearse Sq	laght N81 Ballyboden Dundrum
psq	Firhouse Knocklyon Edmondstown
len Se	Legend : Templeogue / Rathfarnham to City Centre Core Bus
Mac	Corridor Scheme 250m Study Area
ogan Ave	GSI Aggregate Potential Mapping - Granular Aggregate Potential
G	High potential
Grand	Moderate potential
2 '	Low potential Very Low potential
ace ?	very Low potential
50	
$\langle \rangle$	
22	
e place	
Hadding	
X	
R	
^o embroke	
nıy Lı	
eytesbury Ln	
H	
ngton Ln	
gton Pla ^{ce}	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
	0 0.1 0.2 0.3 0.4 0.5 km
$\sim$	BAR SCALE
TA	CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Approved DK	Figure 14.11 Granular Aggregate Potential
	Drawing File Name Sheet Number Status Rev BCIDE-IAC-ENV GT-1012 XX 00-DR-GG-0505 5 of 5 A M01

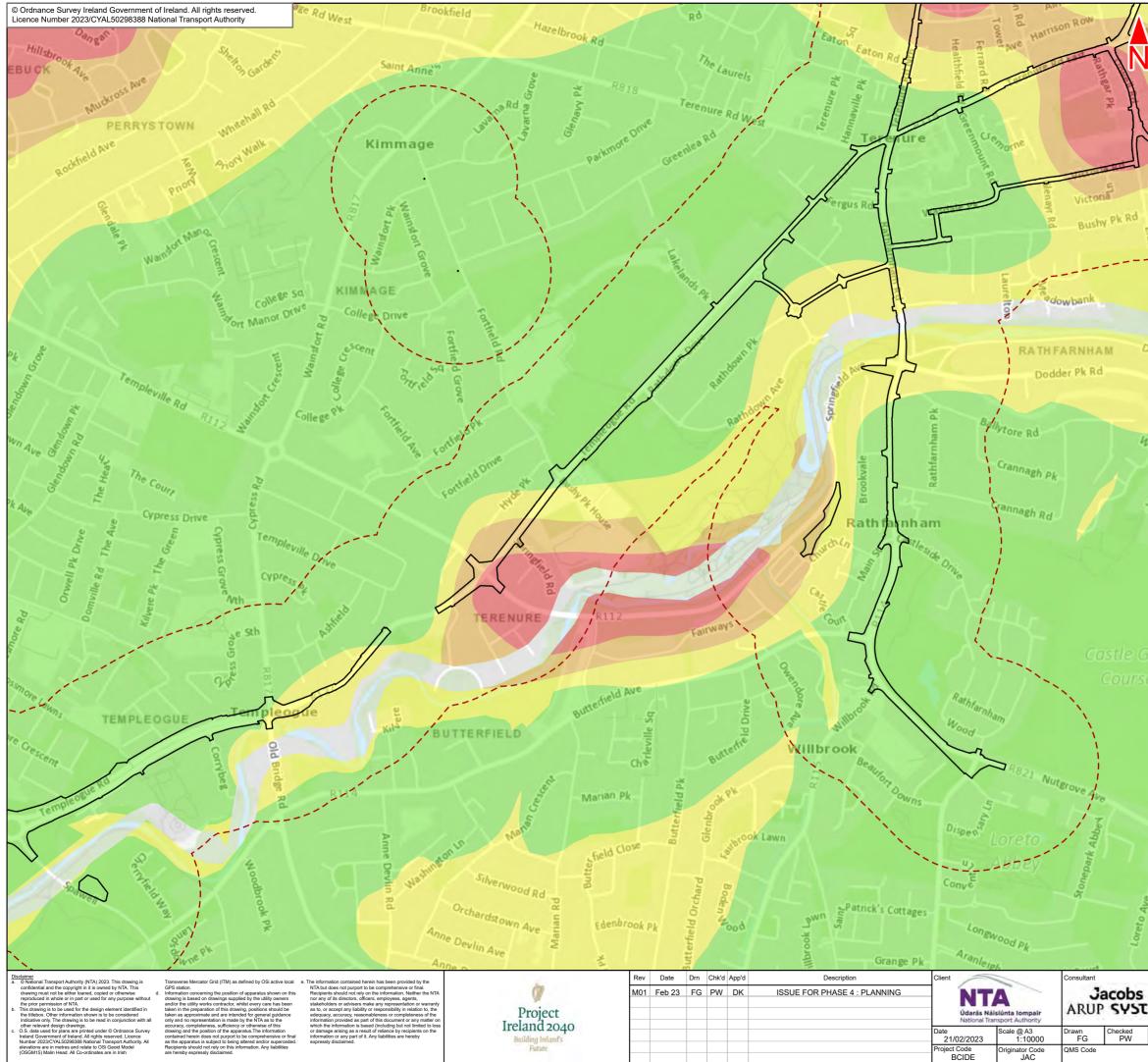
#### **14.12** Crushed Rock Aggregate Potential







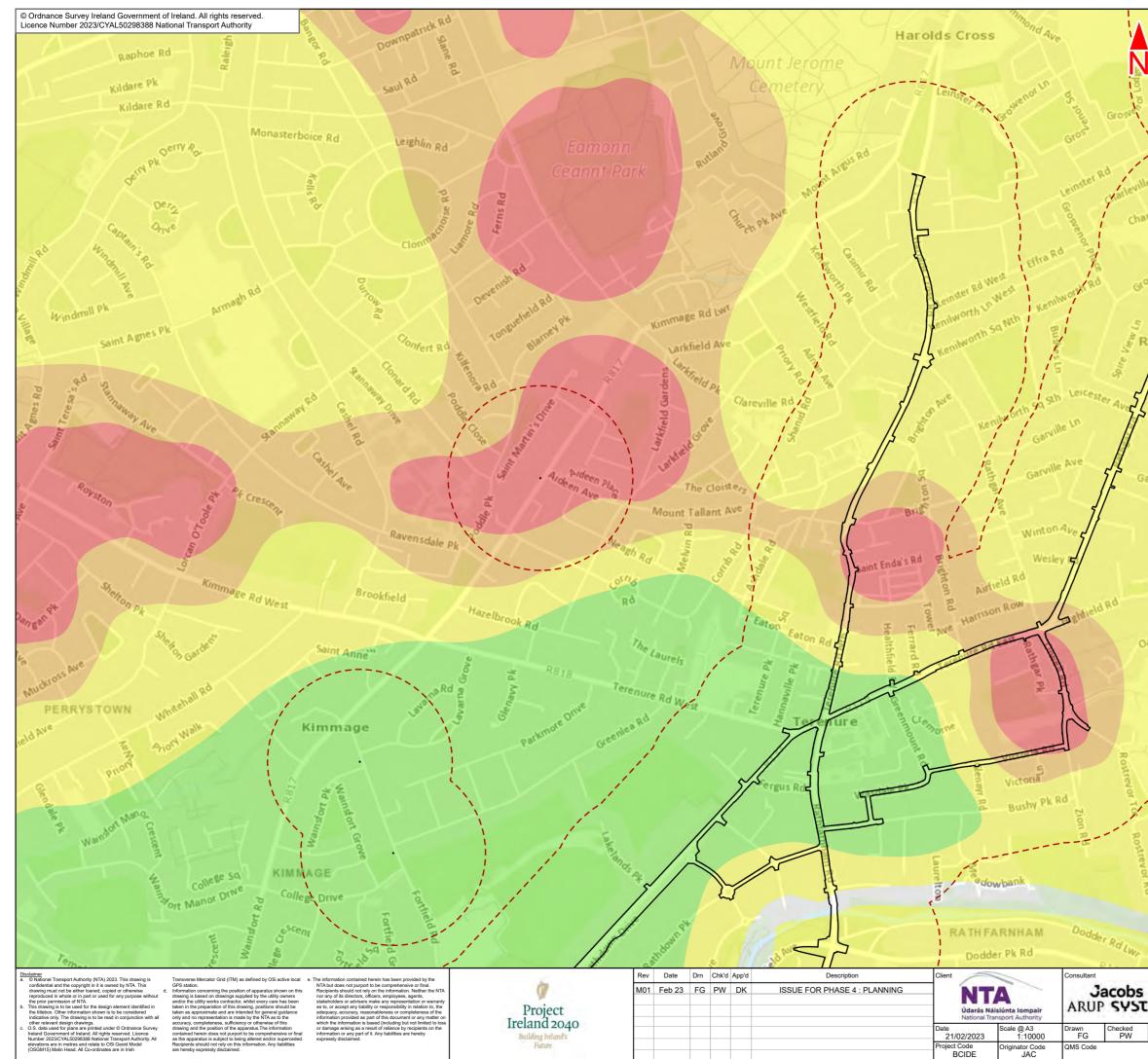
	Chapelizod Dublin
	Islan dbridge Ballyferm ot Kilm ainh am 5 Iri
	Inchicore Dolphin Barn
	eese Bluebell Crumlin Harolds allison
ive	Walkinstown 3 Rattigar Clorskeag
d,	Greenhills Kimmage Milltown
Astheld	Rathfarnham Windy Arbour
	amanagh Templeogue Churchtown
	laght N81 Ballyboden
•	Firhouse Knocklyon Edmondstown
	Legend : Templeogue / Rathfarnham to City Centre Core Bus
	Corridor Scheme 250m Study Area
BHA	GSI Aggregate Potential Mapping - Crushed Rock Aggregate Potential
	Moderate potential
	Low potential
Driv	
ullen Driv	
10	
Impleroan PK	
Grove Grove	
oan Ave	
1	
Temple	
roan W	
1av	
	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
The	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS
<b>I</b>	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.12
Approved DK	Crushed Rock Aggregate Potential
	BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0601 1 of 5 A M01



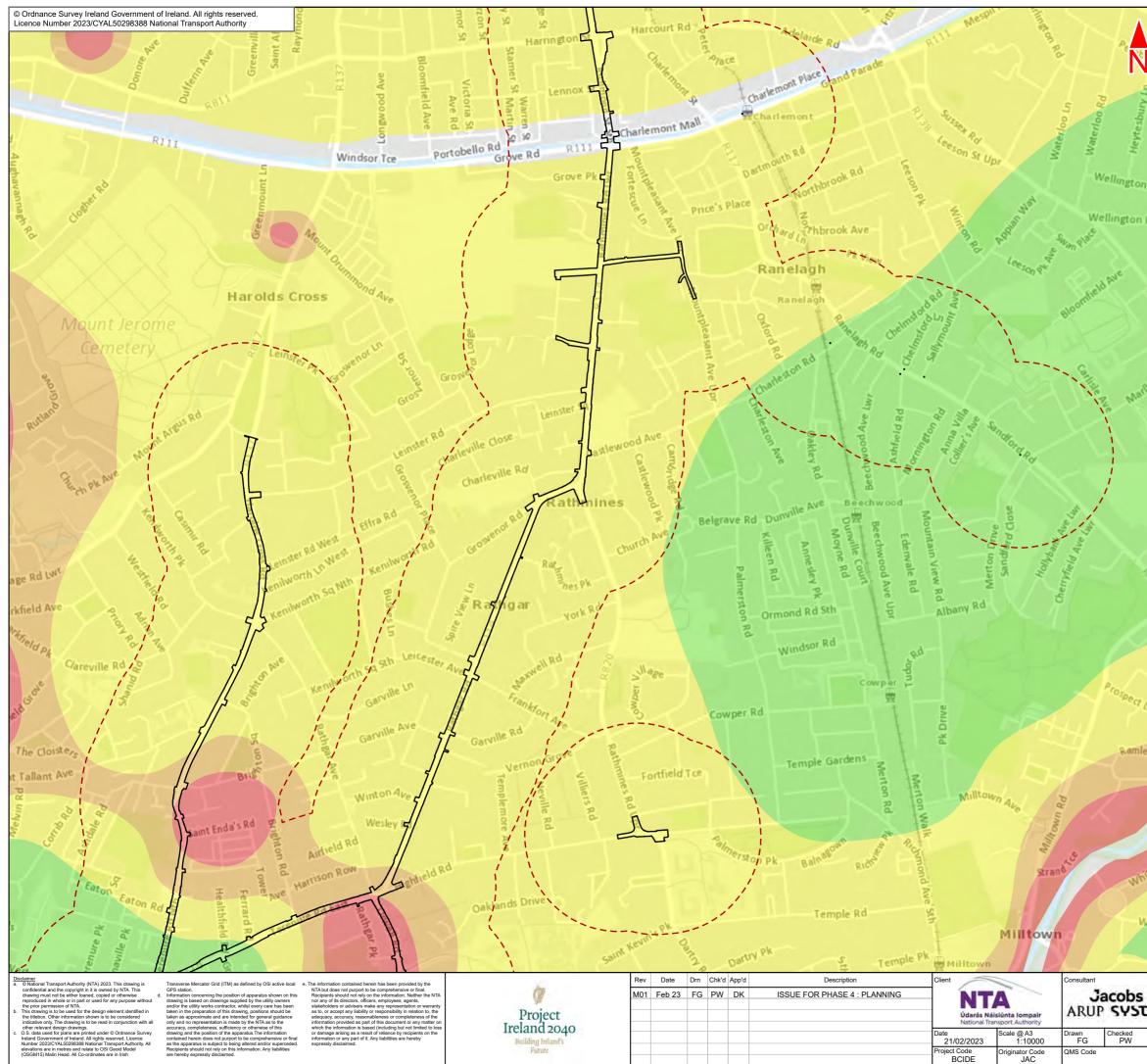
Atled a d	Chapelizod Islandbridge Ballyferm ot Kilmainham 5 Iri Inchicor e Dolphin Barn Bluebell Crumlin Harolds Eallsbri Greenhills Kimmage Cross 4 Ratt gar Clor skeag Milltown Greenhills Kimmage Milltown In Ballymount Pathfarnham Windy Arbour Impleogue Chur chtown Dundrum Ballyb oden Firhouse Knocklyon I Edmondstown
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
	Store Straine
Dodder Ro	GSI Aggregate Potential Mapping - Crushed Rock Aggregate Potential
R11	Very high potential
	High potential
- se	Moderate potential
2000490	Low potential
Woodside O	
Noods	
Hills	
solf	
e	
	This drawing is not to be used in whole or in part other than for the intended purpose
en lo	and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
Loreto C	0 0.1 0.2 0.3 0.4 0.5 km
res	BAR SCALE
ent	Programme Title BUSCONNECTS DUBLIN
	CORE BUS CORRIDORS INFRASTRUCTURE WORKS
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.12
Approved DK	Crushed Rock Aggregate Potential Drawing File Name Sheet Number Status Rev

 Drawing File Name
 Sheet Number
 Status
 Rev

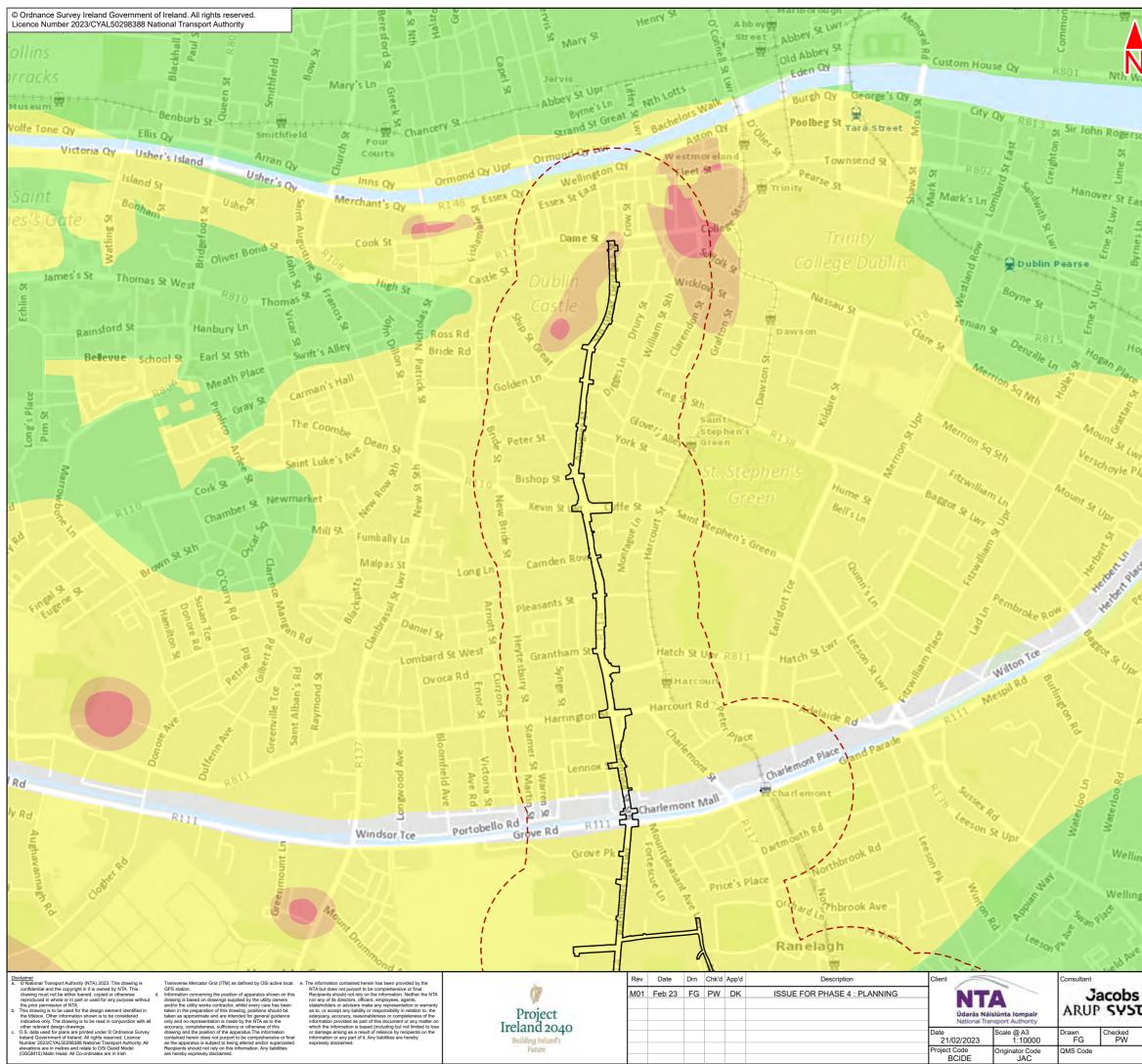
 BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0602
 2 of 5
 A
 M01



	Chapelizod Islandbridge
	Ballyfermot
$\neg r$	Inchicore Databile Based
	Bluebell Crumlin Harolds Ballsbri
	eese Cross
·	Ratt gar
1	Walkinstown 3 Cloriskeag Greenhills
le Close	Kimmage Milltown
rleville R	Ráthfarnham Windy Arbour Iamanagh Templeogu e
	Churchtown
0.0	laght N 81 Ballyboden Dundrum
ostenor Rd	Firhouse Knocklyon
~ /	Edmon ds town
	Legend :
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Raffiga	250m Study Area
	GSI Aggregate Potential Mapping - Crushed Rock Aggregate Potential
/	Very high potential
/	High potential
Ne	Moderate potential
rta)	
. ed	Low potential
arville Rd	
Ver	
Ten	
Templemore A	
nore	
1	
$-\tilde{i}$	
- É	
aklands [	
/	
N.	
i i	
1	
$\sim$	
Rd	This drawing is not to be used in whole or in part other than for the intended purpose
7	and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
A	CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title Drawing Title Drawing Title Drawing Title Drawing the provided Scheme to City Coasts Coast Pue Coastides Scheme
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.12 Crushed Rock Agreeate Retential
Approved DK	Crushed Rock Aggregate Potential
	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0603         3 of 5         A         M01



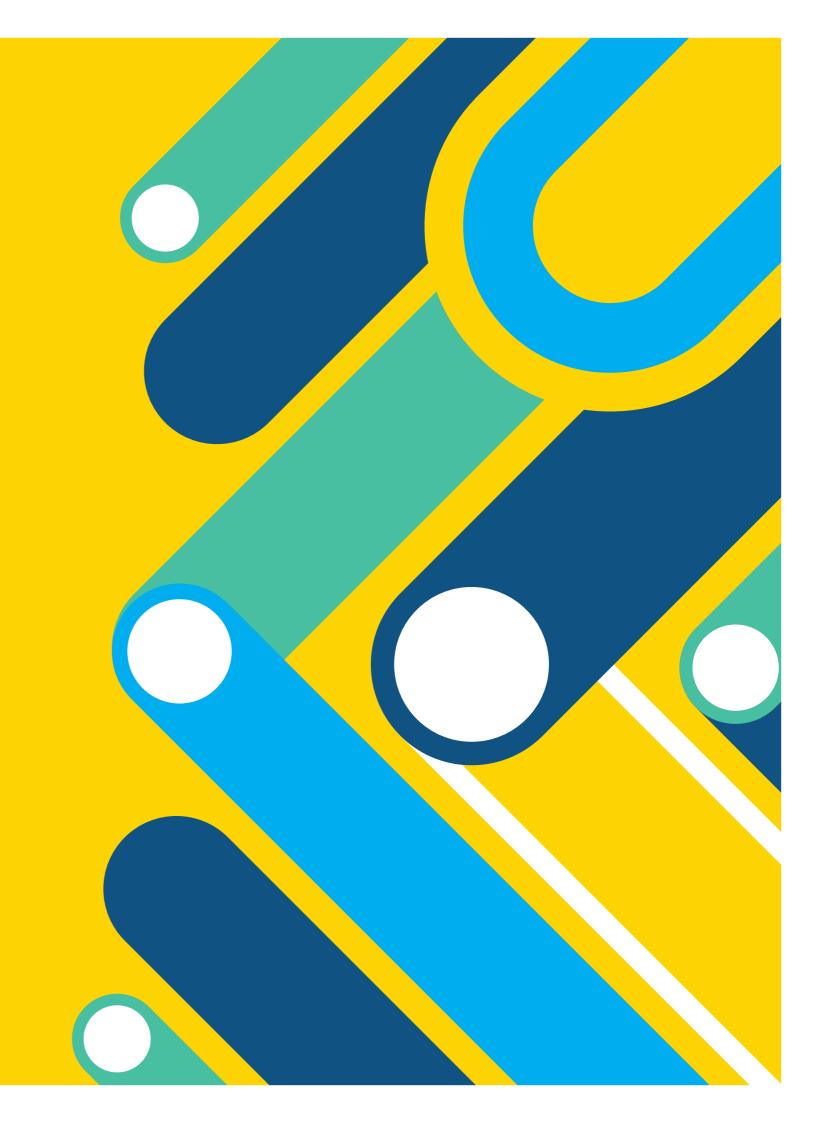
R816	Chanalized
	Islandbridge
oke Ln	Ballyferm ot Kilm ainh am 5 Ir
E	Inchicor e Dolphin Barn
P	eese Bluebell <u>Crumlin Harolds</u> Ballsbri Cross
ellington Rd	Ratigar
lingt	Walkinstown 3 Cloriskeag
3	Kimmage
n Ln	Rathfarnham Windy Arbour
Place	amanagh Templepque
3	Churchtown Dundrum
oter	laght N81 Ballyboden
	Firhouse Knocklyon Edmondstown
	Legend :
Moten	Templeogue / Rathfarnham to City Centre Core Bus
3	250m Study Area
200	GSI Aggregate Potential Mapping - Crushed Rock Aggregate Potential
itborough ad	Very high potential
	High potential
127	Moderate potential
	Low potential
- e - C	Low potential
0	
$\sim$	
e.	
N.	
_k a	
$\sum_{i=1}^{n}$	
$\sim$ ,	
10	
-12	
Ram/	
Spk Spk	
8	
R	
itebeam	
	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed
	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
Whitethor	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
Maple A	
	BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS
Tra	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.12
Approved DK	Crushed Rock Aggregate Potential
	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0604         4 of 5         A         M01

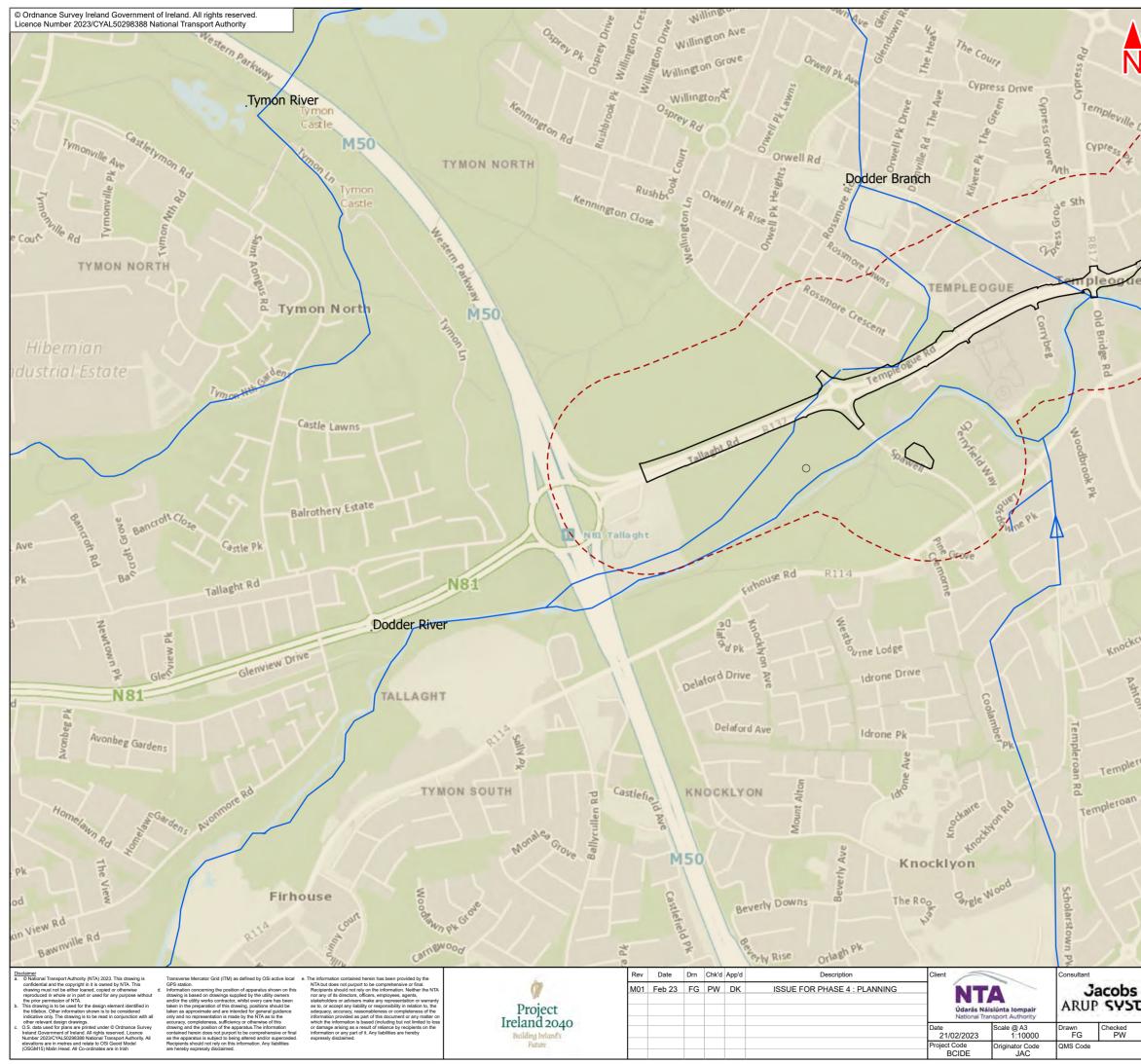


3	Chapelizod Islandbridge
uite	Ballyfermot Kilmainham
all Qy	Turkierrat T
	Dolphin Darn
	eese Bluebell Crumlin Harolds Cross
on's Qy	Rattigar
	Walkinstown 3 Cloriskeag
	Kimmage
	10 B allymount
st	Reathfarnham Windy Arbour
Acar	Churchtown
o ^{earse} Sq	laght N 81 Ballyboden Dundrum
Sq	Ballyboden Firhouse Knocklyon
	Edmondstown
0 11	Legend :
Actor	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
N.	250m Study Area
gan Ave	GSI Aggregate Potential Mapping - Crushed Rock Aggregate Potential
	Very high potential
Grand	
nd.	High potential
51	Moderate potential
~	Low potential
ace 7	
75-A	
XV.	
e .e	
de a	
Hadding	
$\sim 2$	
X	
R	
D _C	
embroke	
Ytesbury Ln	
nqs	
eyte	
H	
10ton	
ngton Ln	
gton Place	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed
	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
	Deserver Title
C	Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS
ICA	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Approved	Figure 14.12 Crushed Rock Aggregate Potential
DK	Drawing File Name Sheet Number Status Rev
	BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0605 5 of 5 A M01

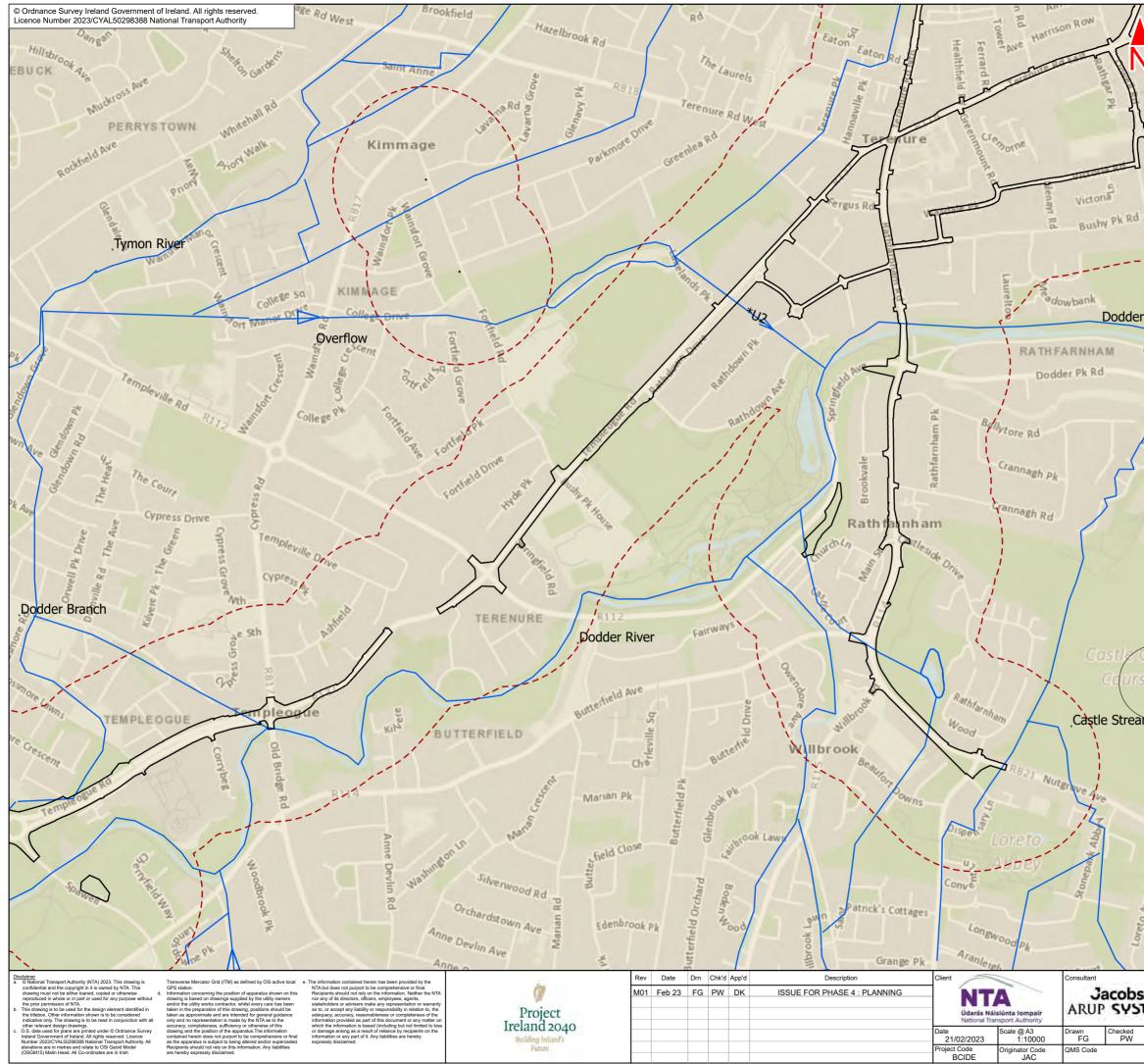
# **14.13** Aquifers



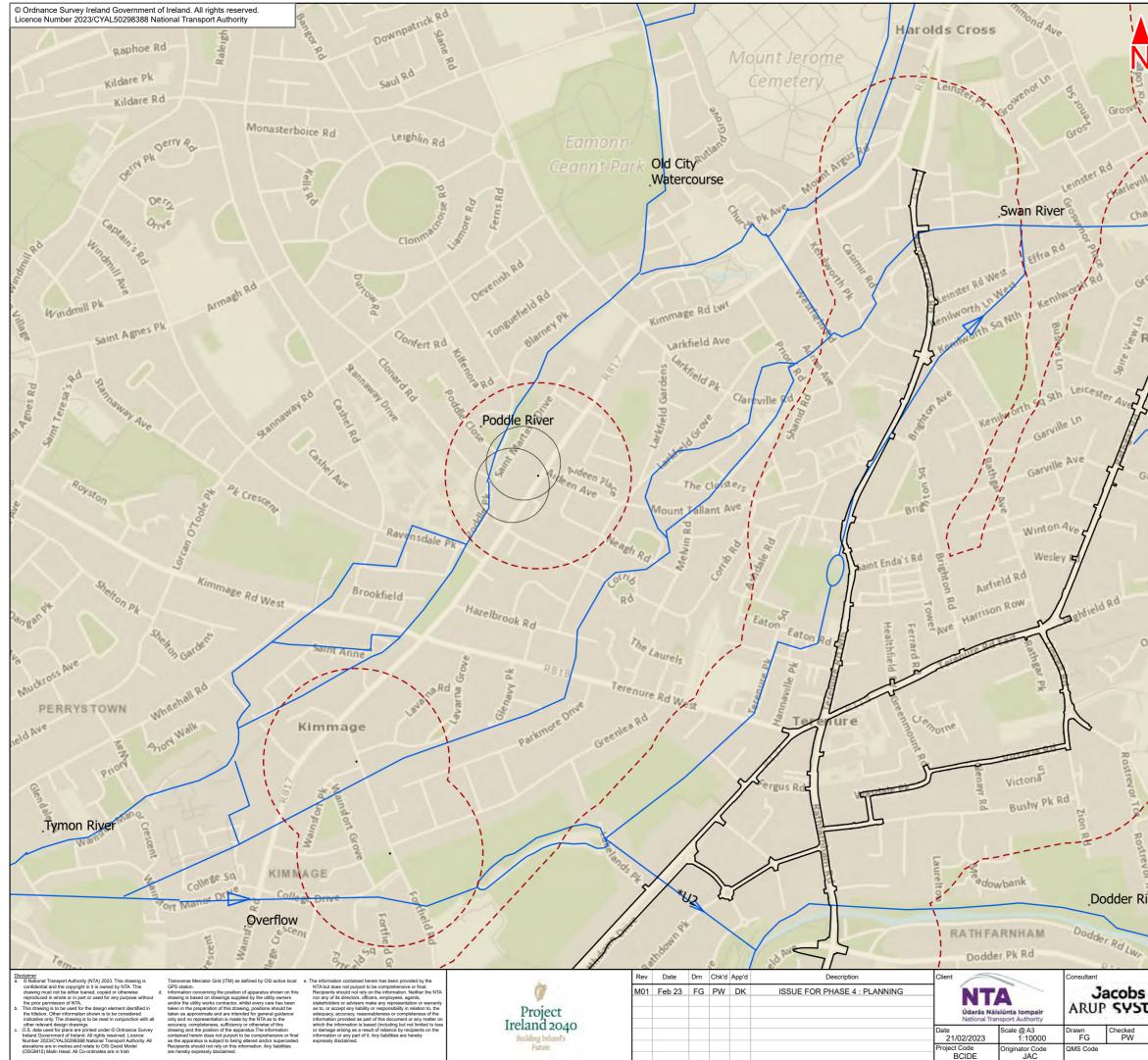




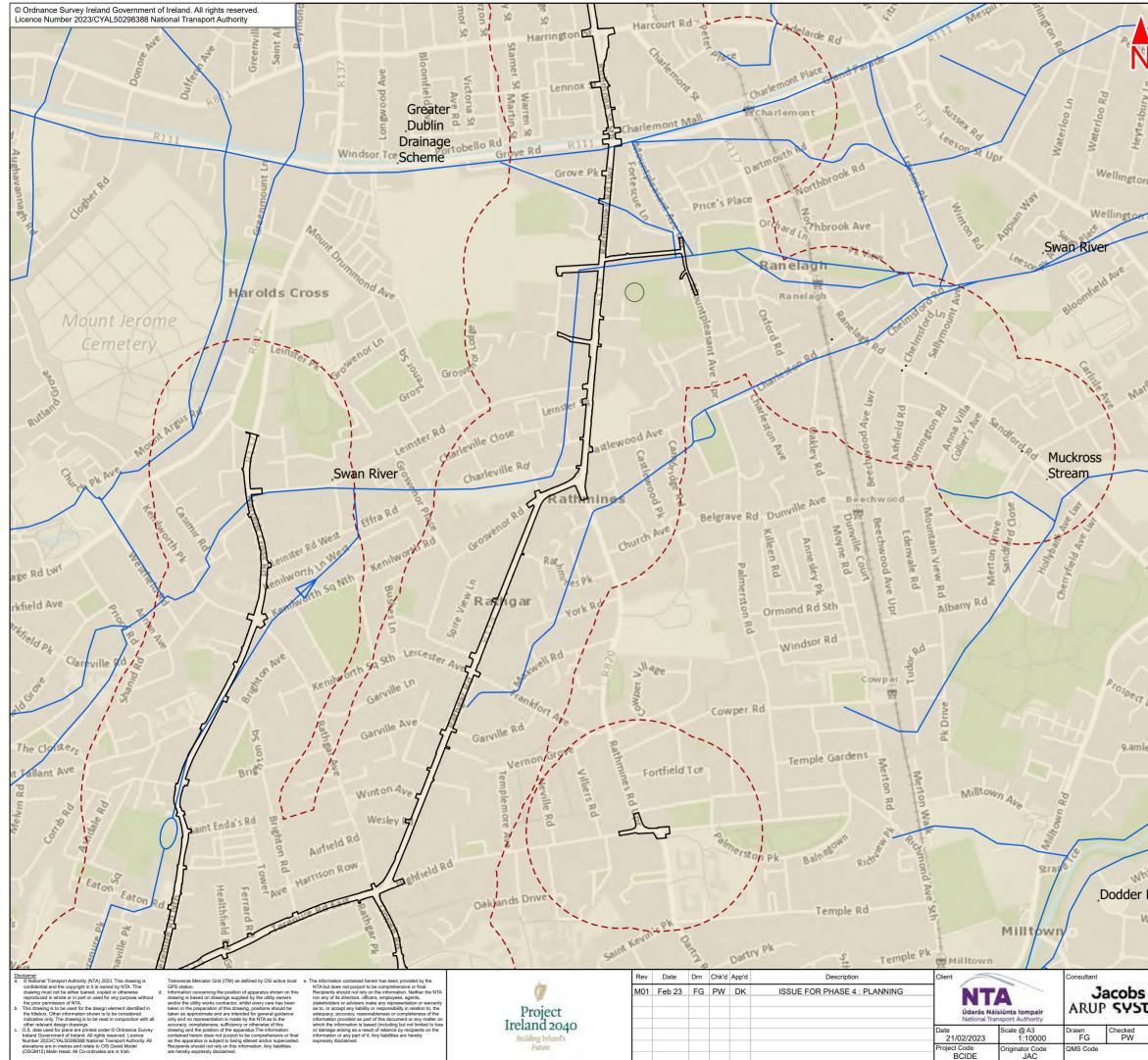
	Chanelized Dublin
	Islandbridge
	Ballyfermot Kilmainham 5
~	Inchicore Dolphin Barn
1-	eese Bluebell <u>Crumlin Harolds</u> Ballsbri Cross
Drive	Rati gar
	Walkinstown 3 Clonskeag
.8	Kimmage Milltown
Astheld	Pathfarnham Windy Arbour
~	amanagh Templeogue
	Churchtown Dundrum
	laght N81 Ballyboden
e	Firhouse Knocklyon Edmondstown
	Legend :
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
~	I 250m Study Area
BH4	Rivers Of Dublin
1	Groundwater Wells and Springs
-	GSI Bedrock Aquifer
	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI)
$\mathbf{X}$	
cullen Driv	
/	
10	
mple	
Templeroan Pk	
Ne of	
roan Ave	
L	
Tem	
plero	
Templeroan Way	
Net	
X	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed
1-	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
The (	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN
	CORE BUS CORRIDORS INFRASTRUCTURE WORKS
<b>LLU</b>	Drawing Inte Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.13
Approved DK	Aquifers
	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0701         1 of 5         A         M01



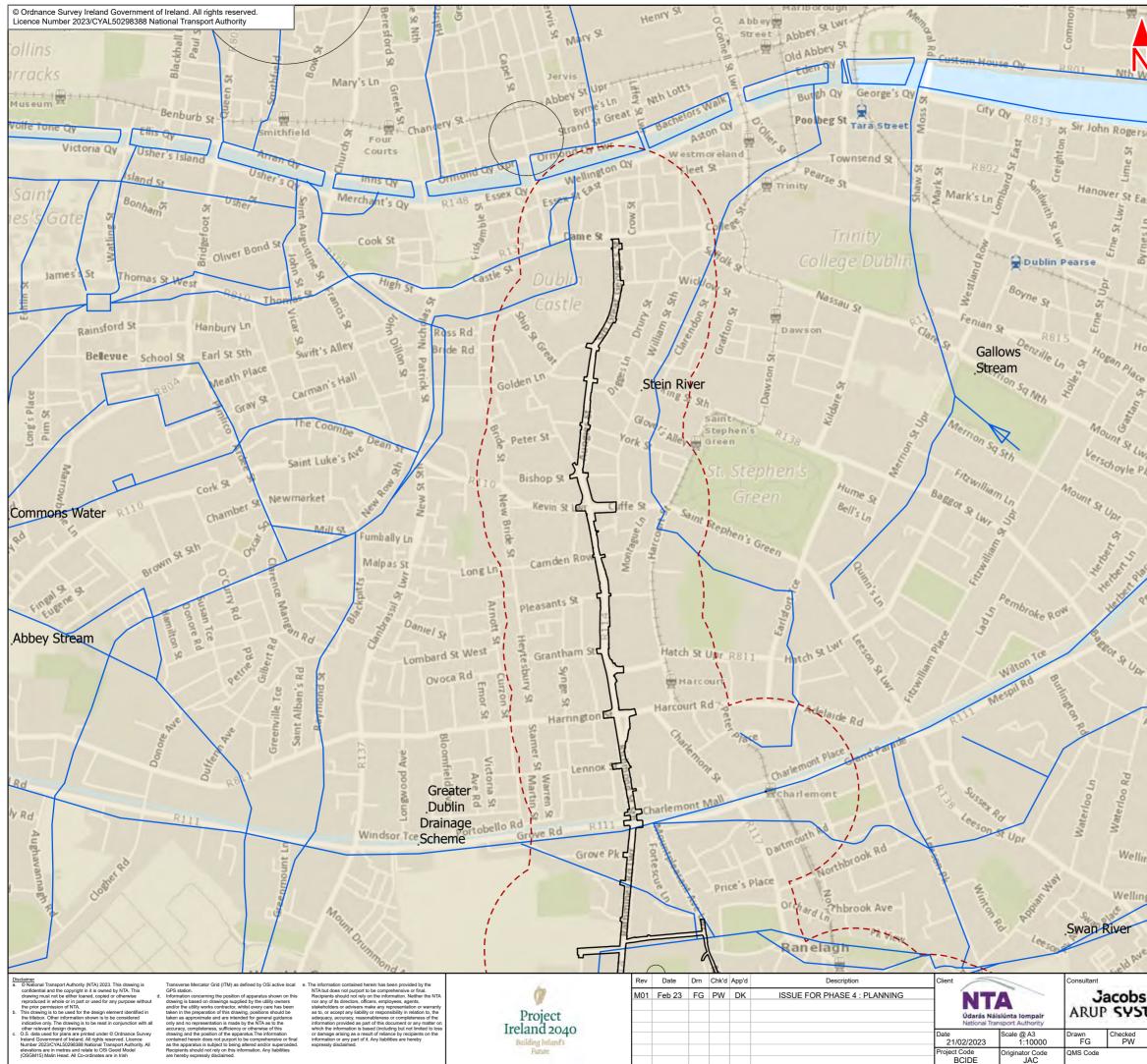
hfield Rd	Chap elizod Dublin
J	Islandbridge Ballyfermot Kilmainham
V	Inchicore Dolphin Barn
X	Bluebell <u>Crumlin Harolds</u> Ballsbri
	Cross 4 Rathgar
0	Walkinstown 3 Clorskeag
	10 Ballymount Kimmage
H	R ² athfarnham Windy Arbour
71	namanagh Templeogue Churchtown
Zion R	laght N81 Ballyboden Dundrum
1	Firhouse Knocklyon Edmondstown
	Legend :
r River	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Dodder Rd	L 250m Study Area — Rivers Of Dublin
RII	Groundwater Wells and Springs
	GSI Bedrock Aquifer
$\sim$	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI)
200diside	
Noodside	
Nº00	
Hills	
GOI	
se	
ìm	
F	This drawing is not to be used in whole or in part other than for the intended purpose
Lore	and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
Loreto Cresi	0 0.1 0.2 0.3 0.4 0.5 km
Cent	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS
AT	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Approved DK	Figure 14.13 Aquifers
	Drawing File Name BCIDE: IAC.ENV. GT-1012_XX_00_DR-GG-0702_2_2 of 5_A_M01



	Chapelizod
	Islandbridge.
	Ballyfermot Kilmainham 5 Inchicore
$\mathcal{F}^{\prime}$	Doiphin Dan
	eese Cross
3	Walkinstown 3 Rati ⁴ gar Clorskeag
-	Greenhills Kimmage Milltown
le Close	10 Ballymount
arleville Ro	Rathfarnham Windy Arbour
	Churchtown
Rd	laght N81 Ballyboden
osvenor Rd	Firhouse Knocklyon Edmondstown
	Legend :
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Ratiga	250m Study Area
1	Rivers Of Dublin
1	Groundwater Wells and Springs
5	GSI Bedrock Aquifer Locally Important Aquifer - Bedrock which is
- Fra	Moderately Productive only in Local Zones (LI)
jarville Rd	
Ver	
Temp	
Templemore Av	
yre A	
1	
Í	
oaklands T	
1	
$\sim$	
i i	
i	
1	
/	
1	
1	
<	
and a	
or Ro	This drawing is not to be used in whole or in part other than for the intended purpose
liver	and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
	0 0.1 0.2 0.3 0.4 0.5 km
T	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN
Tro	CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title
Approved	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.13 Aquifers
DK	Drawing File Name Sheet Number Status Rev
	BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0703 3 of 5 A M01



R816	Chanelized Dublin
	Islandbridge Radia
oke Ln	Ballyfermot Kilmainham 5
Ln .	Inchicor e Dolphin Barn
Pa	eese Bluebell <u>Crumlin Harolds</u> Ballsbri Cross
ton	Ratt gar
fellington Rd	Walkinstown 3 Clorskeag Greenhills Milltown
n Ln	10 Ballymount
in ch	Rathfarnham Windy Arbour
Place	iamanagh Templeogue Churchtown
Not	Dundrum
err	laght N81 Ballyboden Firhouse Knocklyon
$\mathbf{\lambda}$	Edmondstown
Morene	Legend : Templeogue / Rathfarnham to City Centre Core Bus
1che	
240	250m Study Area     Rivers Of Dublin
norous	Groundwater Wells and Springs
n borough Rd	GSI Bedrock Aquifer
127	Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI)
0	
$\langle \ \rangle$	
Rey	
RE	
$\sim$	
~ / .	
La	
Ram/	
leh C	
lose	
/	
R	
nitebeam R	
River	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed
	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
Whitethor	0 0.1 0.2 0.3 0.4 0.5 km
Maple A	BAR SCALE
haple (	Programme Title BUSCONNECTS DUBLIN
TCO	CORE BUS CORRIDORS INFRASTRUCTURE WORKS
Approved	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.13 Aquifers
DK	Drawing File Name Sheet Number Status Rev
	BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0704 4 of 5 A M01

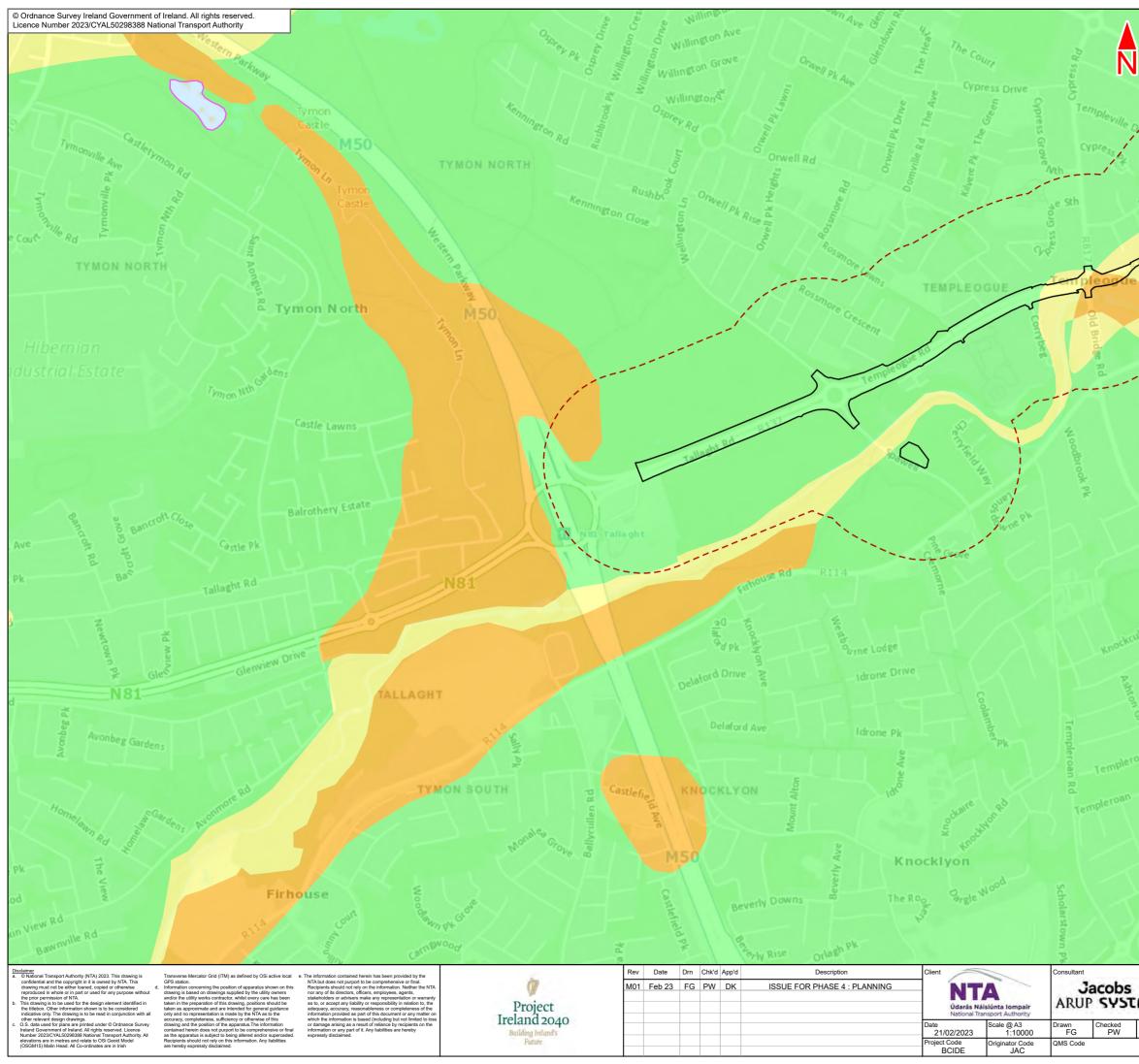


	Chapelizod Islandbridge
all Ov Guild	Ballyfermot Kilmainham 5 Ir
an Qy	Inchicore Dolphin <mark>FBarn</mark> Bluebell <u>Crumlin Harolds</u> Eallsbri
ion's Qy	eese Cross 4 Rattgar
	Greenhills Kimmage Milltown
Ist	Reallymount Reathfarnham Windy Arbour
-	iamanagh Templeogue Churchtown
gearse Sq	laght N81 Ballyboden
5	Edmon ds town
Factor	Legend : Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
ogan Ave	250m Study Area
$\mathcal{L}^{\prime}$	Groundwater Wells and Springs
Grand	GSI Bedrock Aquifer Locally Important Aquifer - Bedrock which is
Ζ'.	Moderately Productive only in Local Zones (LI)
lace	
P	
-/	
e glac	
Hadding	
X	
R	
Pembroke	
ytesbury Ln	
Heyt	
ngton Ln	
gton Place	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed
	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence 0 0.1 0.2 0.3 0.4 0.5 km
$\sim$	BAR SCALE
6	Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS
Approved	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.13 Aquifers
DK	Drawing File Name BCIDE_IAC_ENV_GT_1012_XX_00_DR_GG_0705_5_6_65_A M01

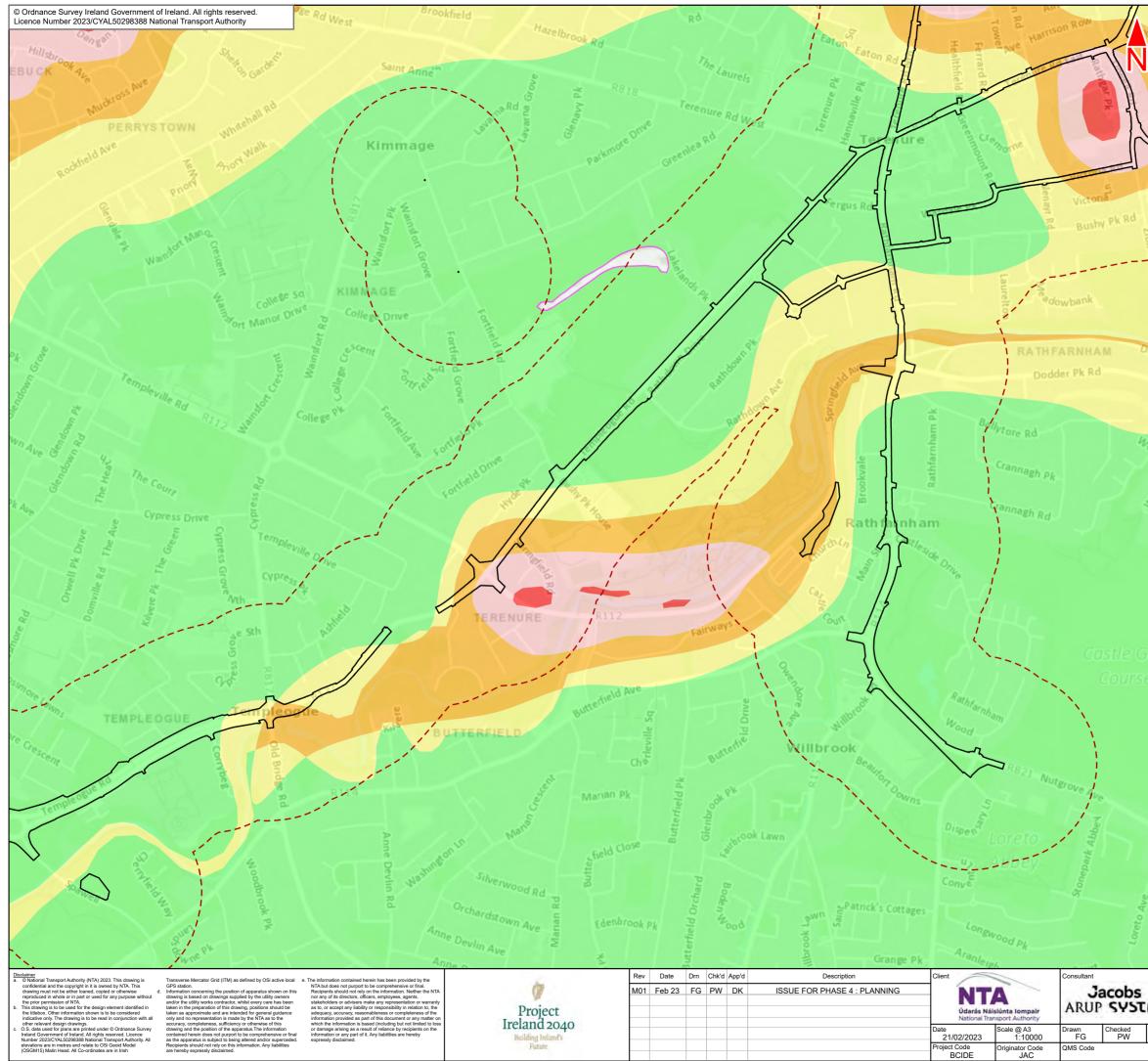
### **14.14** Groundwater Vulnerability



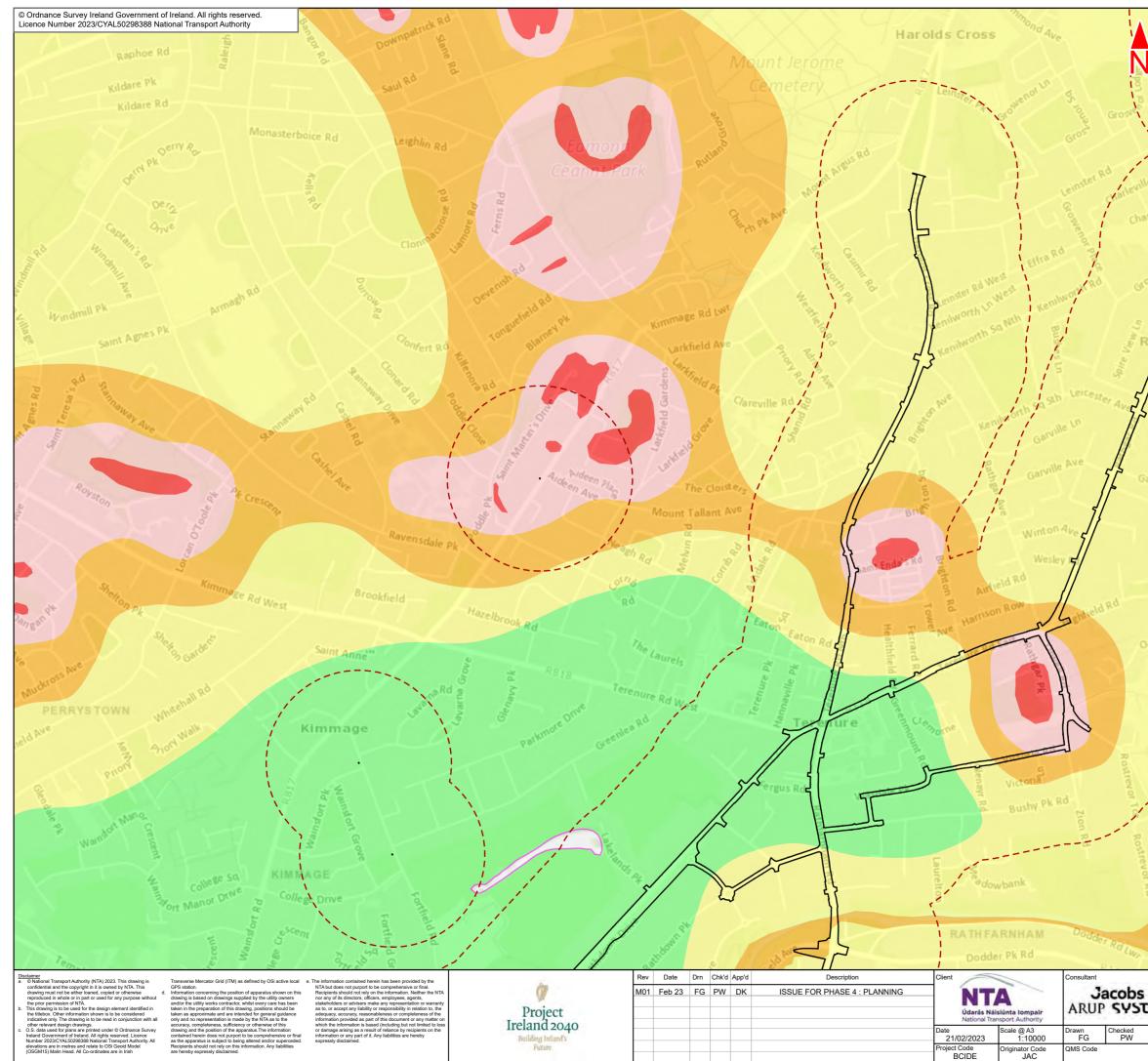




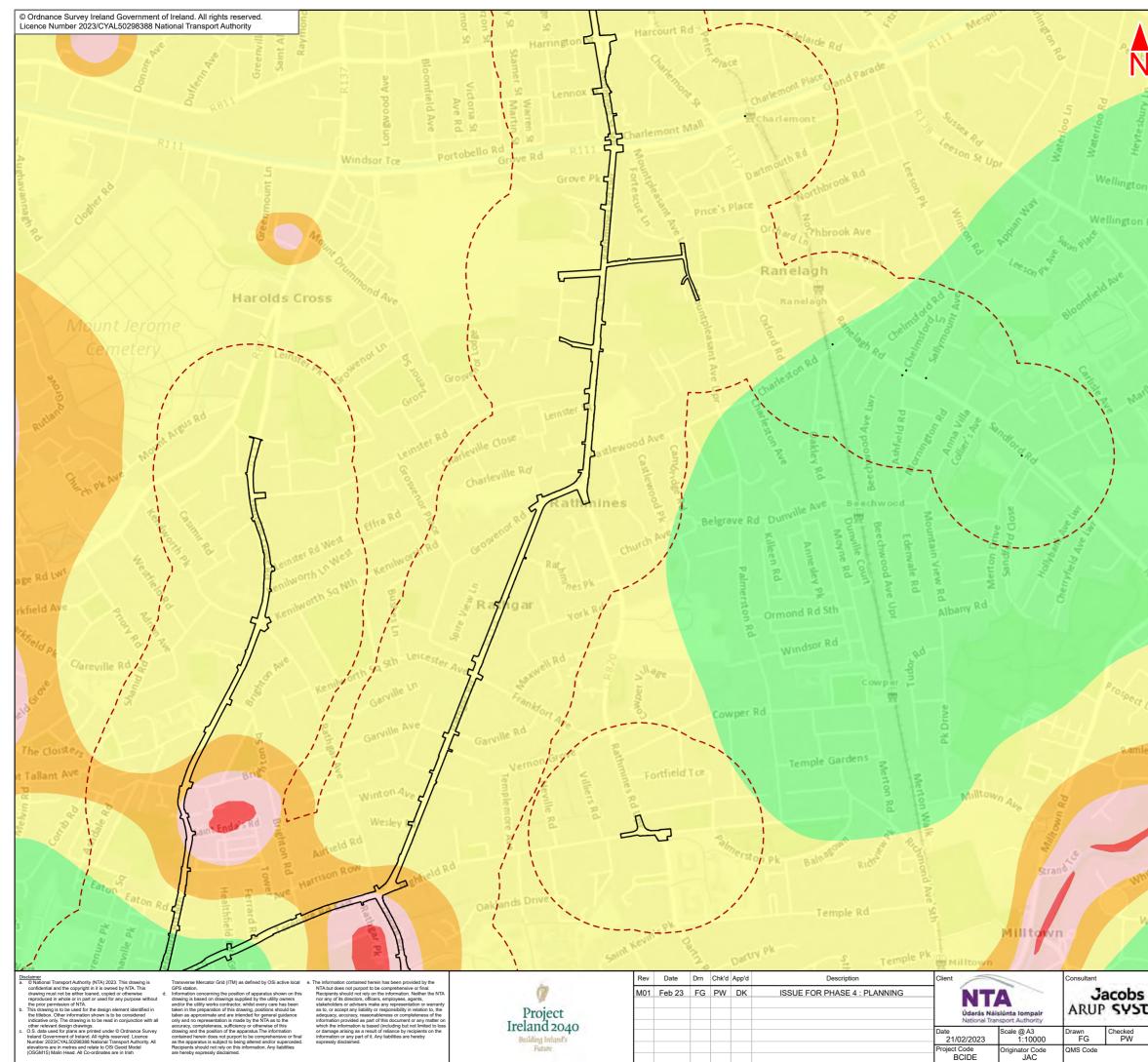
	Chapelizod Dublin
	Islandbridge Ballyfermot Kilmainham
	Inchicate 5
	Bluebell Crumlin Harolds Ballsbri
15	eese Cross
Ive .	Walkinstown
	Greenhills
N.	10 Ballymount
Astre	Rathfarnham Windy Arbour
	ham an agh Templeogue Churchtown
	Net ratigin Dundrum
	laght N81 Ballyboden
	Firhouse Knocklyon Edmondstown
	Legend :
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
	250m Study Area
BHI	GSI National Groundwater Vulnerability
	High
	Moderate
	Low
	Water
Illen Driv	
4	
empl	
er car	
ove	
oan Ave	
Tel	
nples	
neo	
Nav	
	This drawing is not to be used in whole or in part other than for the intended purpose
	and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
The	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
	-
	Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS
TA	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
Approved DK	Figure 14.14 Groundwater Vulnerability
	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0801         1 of 5         A         M01



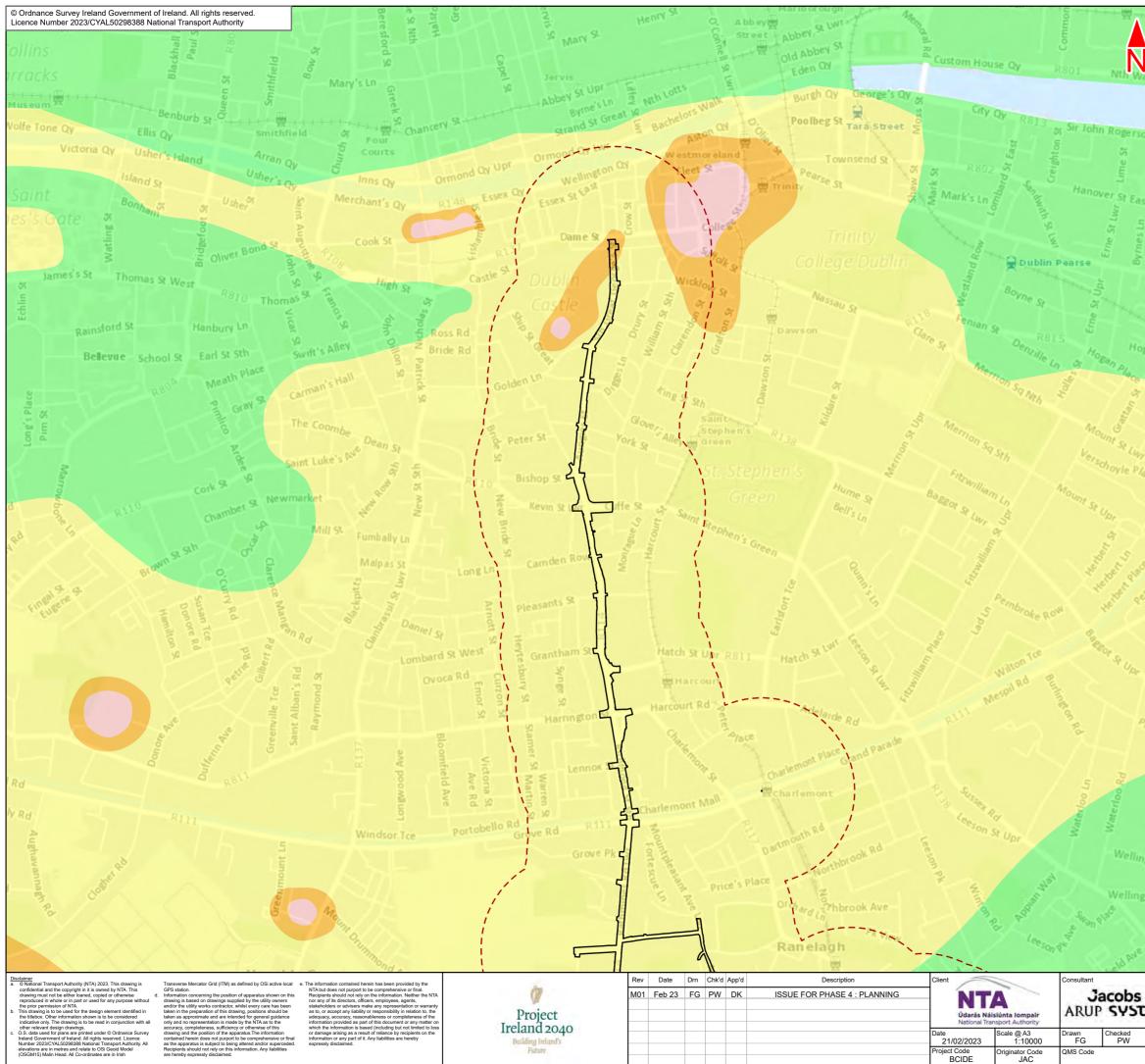
And ad	Chapelizod Islandbridge Ballyferm ot Kilmainh am Inchicor e Dolphin Barn Bluebell Crumlin Harolds Fallsbri Greenhills Kimmage Clor skeag Greenhills Kimmage Milltown amanagh Templeogue Chur chtown Dundrum Inchicor e Dolphin Barn Bluebell Crumlin Harolds Fallsbri Greenhills Kimmage Milltown Inchicor e Dolphin Barn Ballyboden Inchicor e Dolphin Barn Ballyboden Inchicor e Dolphin Barn Ballyboden Inchicor e Dolphin Barn Ballyboden Firhouse Knocklyon
Podder Ro R11 Voodsde Woodsde	Legend :         Templeogue / Rathfarnham to City Centre Core Bus         Corridor Scheme         250m Study Area         GSI National Groundwater Vulnerability         Extreme (X) Rock at/close to surface or Karst         Extreme         High         Moderate         Low         Vater
Loreto Crest	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence 0 0.1 0.2 0.3 0.4 0.5 km
ITA	Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.14 Groundwater Vulnerability
Approved DK	Drawing File Name Drawing File Name Droing File Name Droing File Name Reversion of the status Sheet Number Status Sheet Number Status Sheet Number Status



	Chapelizod Islandbridge
	Ballyferm ot Kilm ainh am
$\neg r$	Inchicore Dolphin Barn
$\mathcal{V}^{(1)}$	Bluebell Crumlin Harolds Ballsbri
	cross 4
<u>`</u>	Rati gar
- 1	Greenhills
le Close	Kimmage
	Rathfarnham Windy Arbour
arleville R	amanagh Templeogue Churchtown
	Net Talligin Dundrum
Rd	laght N81 Ballyboden
osvent	Firhouse Knocklyon Edmondstown
I A	Legend :
	Templeogue / Rathfarnham to City Centre Core Bus
	Corridor Scheme 250m Study Area
	GSI National Groundwater Vulnerability
	Extreme (X) Rock at/close to surface or Karst
/	Extreme
2	High
Frai	Moderate
arville Rd	Low
Ver	Water
Ten	
Templemore	
more	
$-i^{\circ}$	
- í	
aklands (	
/	
$\sim$	
N.	
i i	
$\langle j \rangle$	
1	
1-	
$\sim$	
10	
Rd	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed
	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN
	CORE BUS CORRIDORS INFRASTRUCTURE WORKS
<b>I</b>	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.14
Approved DK	Groundwater Vulnerability
	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0803         3 of 5         A         M01



R816	Chanelized
	Chapelizod Islandbridge Ralluformet
oke Ln	Ballyfermot Kilmainham 5 Iri
19	Inchicore Dolphin Barn
Rd	eese Bluebell Crumlin Harolds Ballsbri Cross
ellington R	Rath gar
lling	Walkinstown 3 Clorskeag
3	Kimmage Milltown
n Ln	Rathfarnham Windy Arbour
Place	amanagh Templeogue Churchtown
30	Dundrum
C.	aght N81 Firhouse Knocklyon
	Edmondstown
3	Legend :
oten	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
20	SI National Groundwater Vulnerability
ough	Extreme (X) Rock at/close to surface or Karst
lpo.	Extreme
SCY	High
	Moderate
14 2	Low
×	
$\sim$	
e.	
2	
Ra	
$\sim$ ,	
4	
D	
e/ B	
Close	
-	
hears A	
Inter	This drawing is not to be used in whole or in part other than for the intended purpose
14	and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
Vhitethor	00.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
Maple I	Pronramma Titla
6	CORE BUS CORRIDORS INFRASTRUCTURE WORKS
<b>LLU</b>	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.14
Approved DK	Figure 14.14 Groundwater Vulnerability
	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0804         4 of 5         A         M01

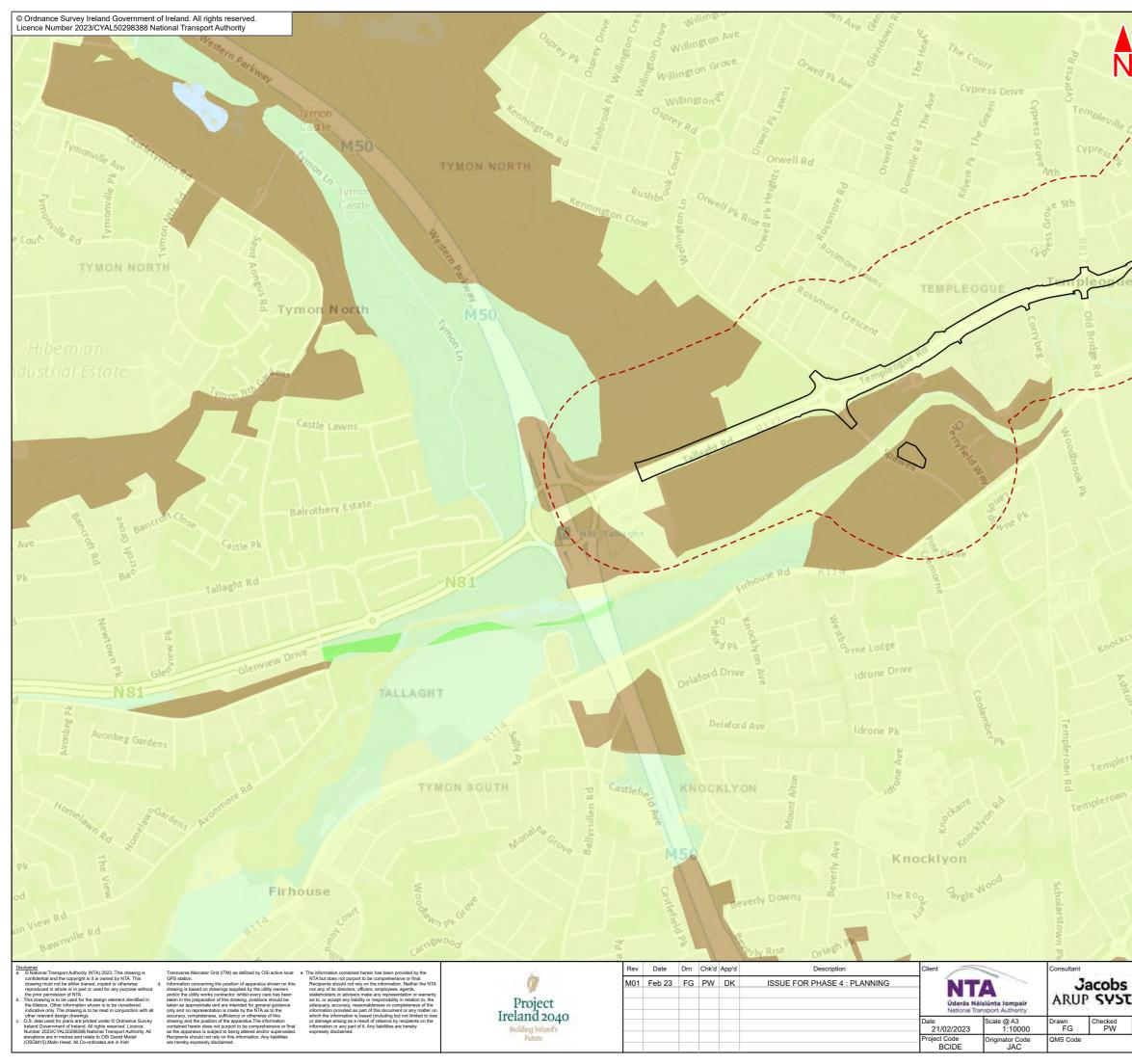


	Chanelized Dublin			
es pi	Islandbridge			
<u>Gui</u>	Ballyfermot Kilmainham 5 Ir			
all Qy	Inchicore Dolphin Barn			
l.	eese Bluebell Crumlin Harolds Ballsbri			
	Cross 4			
on's Qy	Walkinstown 3 Rattigar Cloriskeag			
	Greenhills Kimmage Milltown			
	10 Ballymount			
st	Reathfarnham Windy Arbour			
5 P.	Churchtown			
d ^{earse} Sq	laght N81 Ballyboden			
Sq	Firhouse Knocklyon			
0	Edmondstown			
	Legend : Templeogue / Rathfamham to City Centre Core Bus			
Mac	Corridor Scheme			
gan Ave	SI National Groundwater Vulnerability			
	Extreme			
6				
Grand	High			
511	Moderate			
-	Low			
lace >				
$\sim$				
$\sim$				
$\leq A$				
797				
e 1.2				
etch int				
Hadon				
$\searrow l$				
×./~				
R				
0				
embroke				
-				
IN C				
esbu				
feyt				
1				
ngton Ln				
	This drawing is not to be used in whole or in part other than for the intended purpose			
gton Place	and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence			
	0 0.1 0.2 0.3 0.4 0.5 km			
$\geq$				
	BAR SCALE			
-				
TA	CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme			
Approved	Figure 14.14 Groundwater Vulnerability			
DK	Drawing File Name Sheet Number Status Rev			
	BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0805 5 of 5 A M01			

### **14.15** Groundwater Recharge

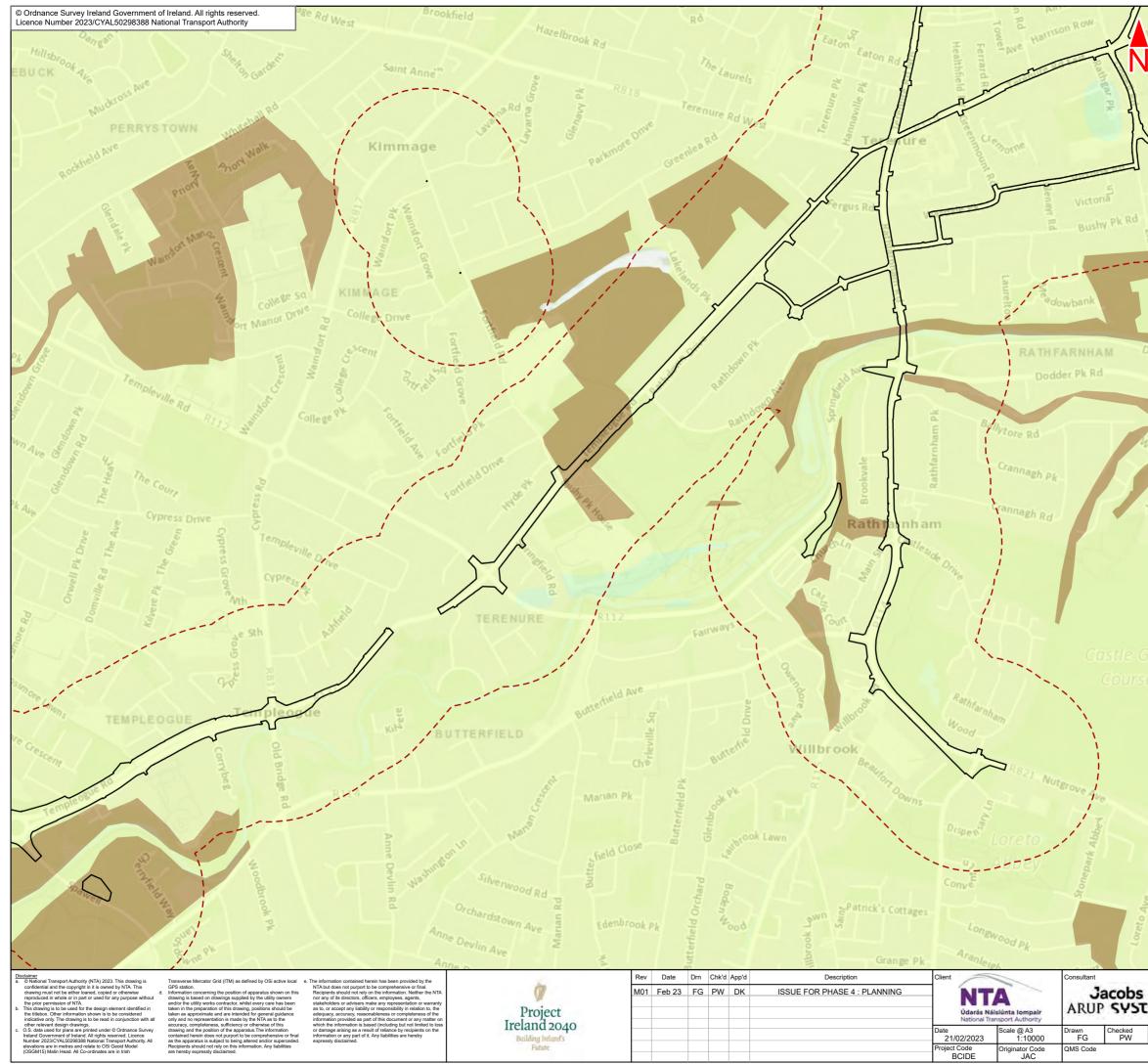




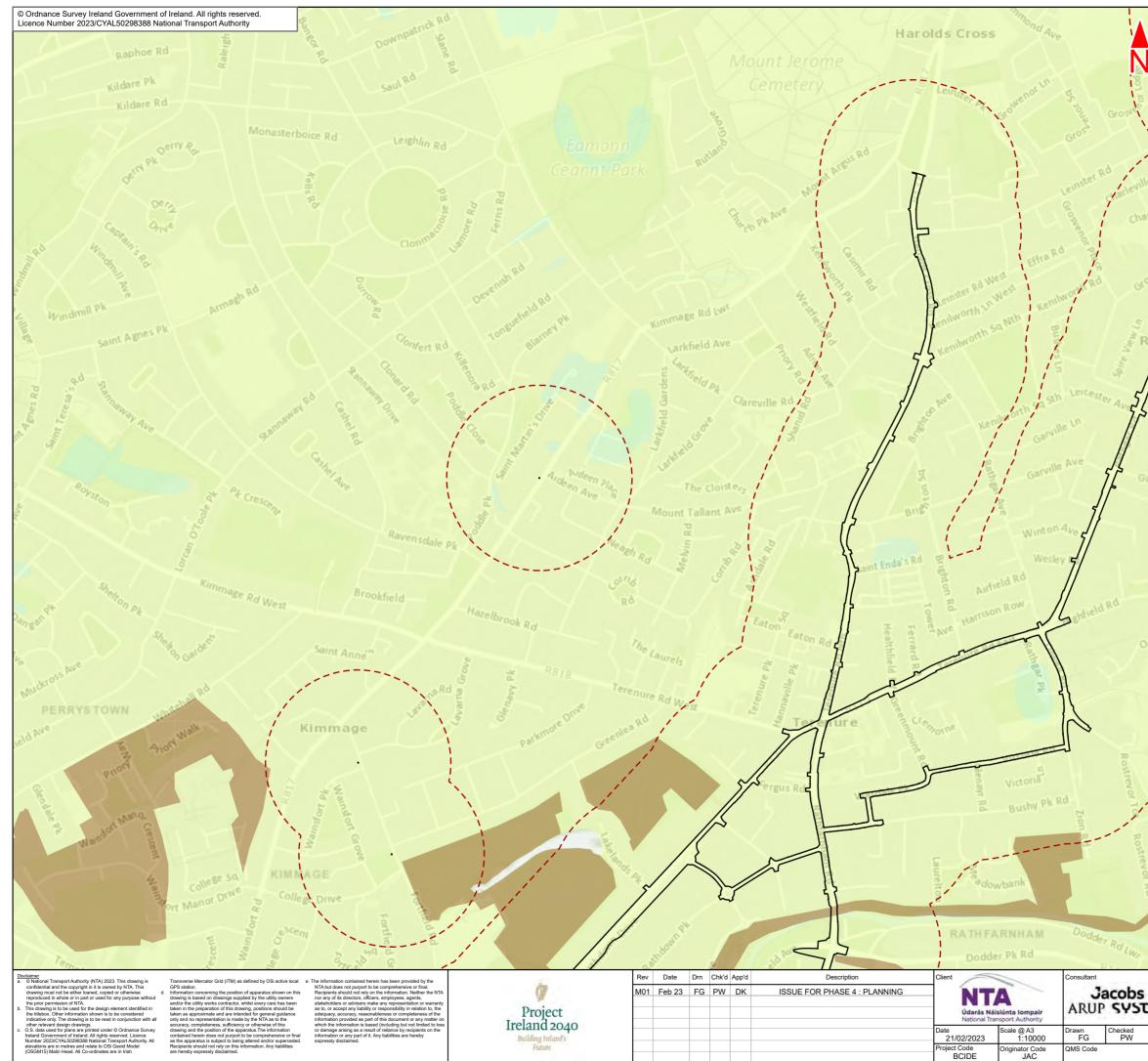


	Chanelized Dublin		
	Islandbridge		
	Ballyfermot Kilmainham 5 Iri		
- / · ·	Inchicore Dolphin Barn		
	eese Bluebell Crumlin Harolds Ballsbri		
	Cross		
ive	Walkinstown 3 Ratti gar Clorskeag		
	Greenhills		
S.	Kimmage Milltown		
Asther	Rathfarnham Windy Arbour		
$\mathcal{C}$	amanagh Templeogue Churchtown		
	Dundrum Dundrum		
	laght N81 Ballyboden		
	Firhouse Knocklyon Edmondstown		
-			
	Legend : Templeogue / Rathfarnham to City Centre Core Bus		
	Corridor Scheme		
	GSI Groundwater Recharge		
11	Annual Recharge (mm)		
	351-400 mm		
	251-300 mm		
	151-200 mm		
	101-150 mm		
	51-100 mm		
	1-50 mm		
ullen Driv			
ullen			
Tel			
mple			
ipleroan PK			
84 BA			
oan Ave			
1			
mph			
eroal			
Wa			
1			
	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed		
115	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence		
The (	0 0.1 0.2 0.3 0.4 0.5 km		
	BAR SCALE		
CA	CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title Drawing the lawer of Detto for the part of the Core Day Core is a construction of the core of th		
Approved	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.15 Groundwater Recharge		
DK			

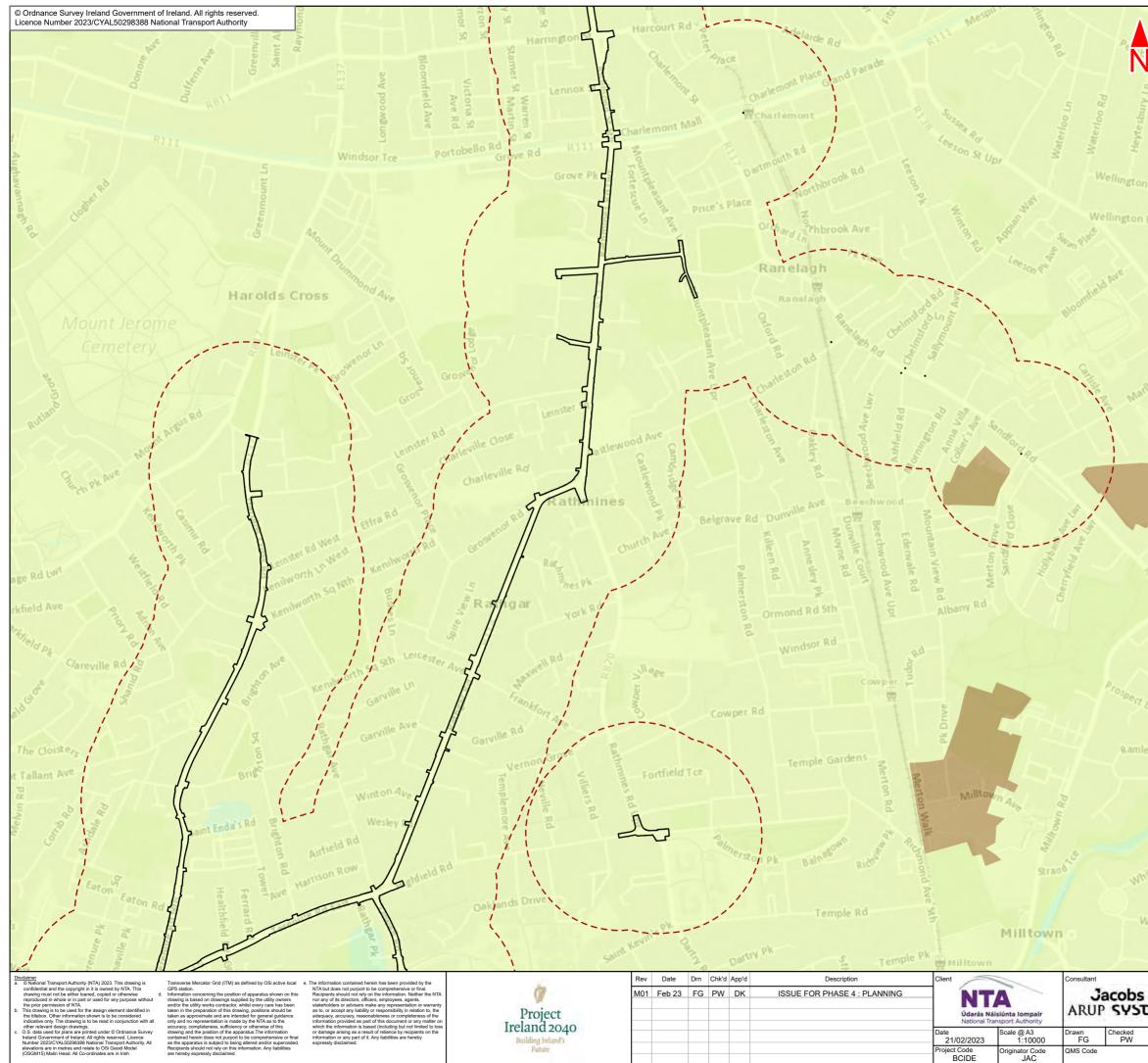
BCIDE-JAC-ENV GT-1012 XX 00-DR-GG-0901	1 of 5	A	M01
	Sheet Number	Status	Rev



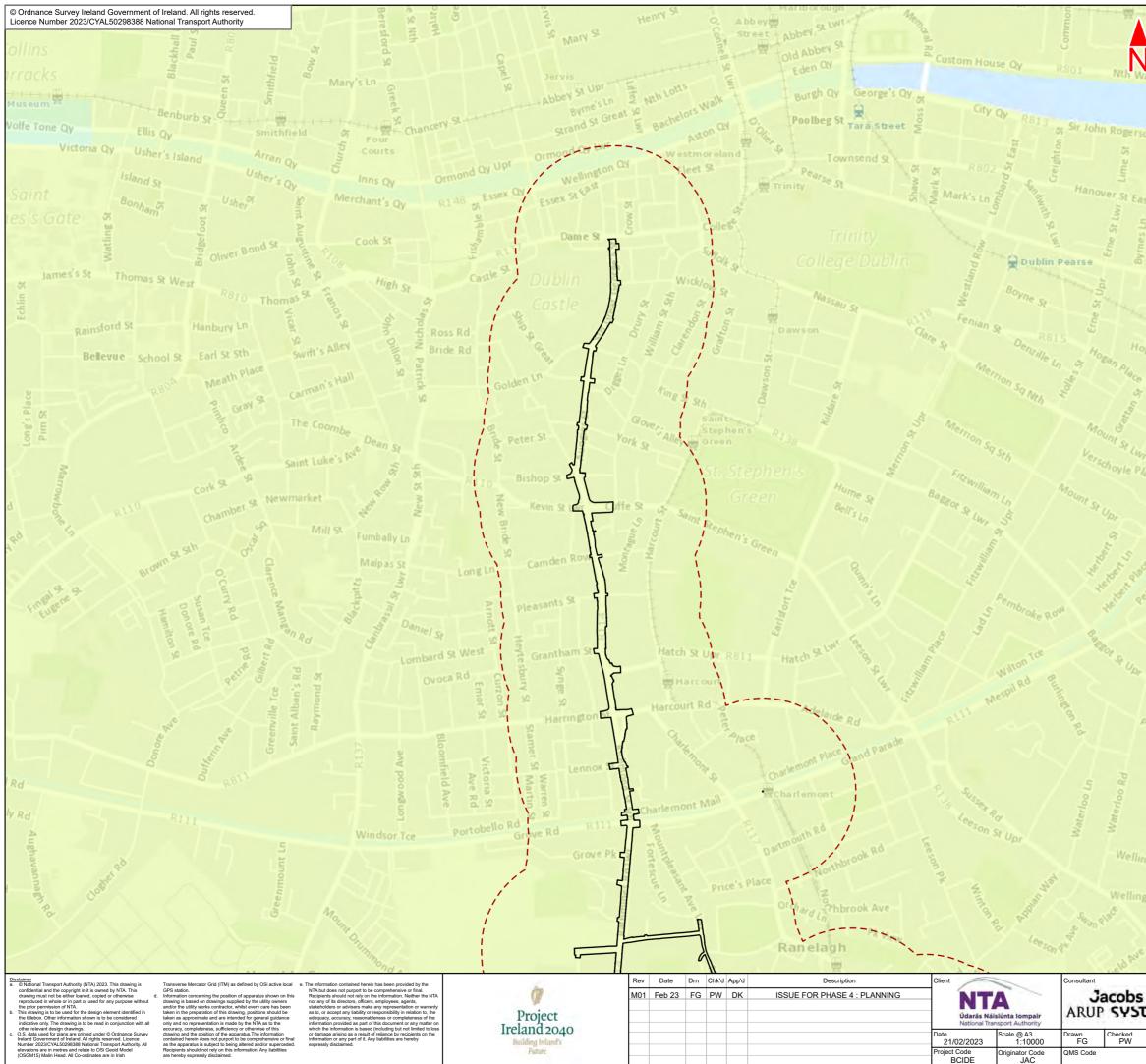
hfield Rd	Chanadized	
hfield	Chapelizod Islandbridge	
	Ballyfermot Kilmainham Rings	
	Inchicore Delchie Bar	
Y	Bluebell Crumlin Harolds Ballsbri	
1	eese Cross	
	Ratt gar	
>	Walkinstown 3 Cloriskeag Greenhills	
	Kimmage Militown	
	10 Ballymount	
	Pathfarnham Windy Arbour	
7	Churchtown	
ion	laght N81 Ballyboden	
	Firhouse Knocklyon	
	Edmon dstown	
	Legend :	
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme	
	250m Study Area	
Dodder Ra	GSI Groundwater Recharge	
	Annual Recharge (mm)	
R11	151-200 mm	
	51-100 mm	
	1-50 mm	
Looding		
derde		
Woodside O		
Hills		
Folf		
acij		
е		
1		
5	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed	
Lore	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence	
to (	0 0.1 0.2 0.3 0.4 0.5 km	
res	BAR SCALE	
Cont-	Descentra Title	
	Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS	
A	Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme	
Approved	Figure 14.15 Groundwater Recharge	
DK	Drawing File Name Sheet Number Status Rev	
	BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0902 2 of 5 A M01	



	Chanelized Dublin
	Islandbridge
	Ballyferm ot Kilmainham 5 Ir
	Inchicore Dolphin Barn
	eese Bluebell Crumlin Harolds Ballsbri
<u>,</u>	Cross Rattigar
3	Walkinstown 3 Clonskeag
ince l	Greenhills Kimmage Milltown
le Close	10 8 allymount
arleville Re	Rathfarnham Windy Arbour
1110	Churchtown
60	laght N81 Ballyhoden
osvenor Ro	Ballyboden Firhouse Knocklyoh
	Edmondstown
	Legend :
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scherne
₹a <b>ş</b> /tga	250m Study Area
1	GSI Groundwater Recharge Annual Recharge (mm)
1	151-200 mm
/	51-100 mm
77 125	1-50 mm
a)	
arville Rd	
ala	
Ver	
Templemore A	
emo /	
1	
1 I	
Linds I	
)akjanus (	
1	
N.	
i i	
j.	
$\langle j \rangle$	
1	
1-	
-	
	This drawing is not to be used in whele or in part other than for the intended purpose
Rd	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
	0 0.1 0.2 0.3 0.4 0.5 km
	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN
	CORE BUS CORRIDORS INFRASTRUCTURE WORKS
Approved	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.15 Groundwater Recharge
Approved DK	Groundwater Recharge Drawing File Name Sheet Number Status Rev
	BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0903 3 of 5 A M01



^{R816}	Chap elizod	
oke Ln	Islandbridge Rings	
	Inchicore Dolphing Barn	
P	Bluebell Crumlin Harolds Ballsbri	
ellington Rd	Cross 4 Rattigar	
llingt	Walkinstown 3 Clorskeag	
n Ln	10 Ballymount Kimmage Milltown	
a un	Rathfarnham Windy Arbour	
Place	amanagh Templeogue Churchtown	
Mole	laght N81 Ballyboden Dundrum	
	Firhouse Knocklyon Edmondstown	
	Legend :	
Moren	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme	
	250m Study Area	
(borough Pc	GSI Groundwater Recharge Annual Recharge (mm)	
dbo.	151-200 mm	
57	51-100 mm	
	1-50 mm	
0		
2		
224		
P.8		
~ /		
La		
Ram/		
Spk Clo		
asc		
1		
Leam R		
hiteb	This drawing is not to be used in whole or in part other than for the intended purpose	
0	and project as defined on this drawing. Contains firsh Public Sector Data licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence	
Whitethor	0 0.1 0.2 0.3 0.4 0.5 km	
0.0	BAR SCALE	
Maple	Programme Title BUSCONNECTS DUBLIN	
Tro	CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title	
Approved	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.15 Groundwater Recharge	
DK	Drawing File Name BCIDE-JAC-ENV GT-1012 XX 00-DR-GG-0904 4 of 5 A M01	
		_



	Chapelizod
ild s	Islandbridge.
ල් Vall Qy	Kilmainham 5
an ay	Inchicore Dolphin Barn Bluebell
	eese Cross
son's Qy	Walkinstown
	Greenhills
	Kimmage Kimmage
ist	Rathfarnham Windy Arbour
5 - P	ham an agh Templeogu e Chur chtown
Acarse Sd	laght N81 Ballyboden Dundrum
Sq	Firhouse Knocklyon
0	Edmondstown
/ clean	Legend : Templeogue / Rathfarnham to City Centre Core Bus
Ma	Corridor Scheme
ogan Ave	GSI Groundwater Recharge
$Z^{+}$	Annual Recharge (mm)
Grand	101-150 mm
10	51-100 mm
7	
T.	
lace	
5	
1 1	
$\sim 0$	
0 0	
Ser a	
Hadding	
$\searrow l$	
· /	
R	
Per	
Pembroke	
tesbury Ln	
Nun (	
tesb	
Hey	
1	
ngton Ln	
gton Place	This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Contains Irish Public Sector Data licensed
	under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence
	0 0.1 0.2 0.3 0.4 0.5 km
5	BAR SCALE
	Programme Title BUSCONNECTS DUBLIN
Tro	CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title
	Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 14.15
Approved DK	Groundwater Recharge Drawing File Name Sheet Number Status Rev
	BCIDE-JAC-ENV_GT-1012_XX_00-DR-GG-0905 5 of 5 A M01