

- LEGEND**
- CONSTRAINTS STUDY AREA
 - ESB 220kv EXISTING 220kv ESB
 - ESB 110kv EXISTING 110kv ESB
 - ESB 38kv EXISTING 38kv ESB
 - ESB 38kv EXISTING 38kv UNDERGROUND

WORK IN PROGRESS



No.	Revision	Date	By	Chkd	App'd
	Stage				
	PRELIMINARY				
	APPROVAL				
	TENDER				
	CONSTRUCTION				

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 Consulting Engineers
 Civil - Structural - Transportation - Environmental
 www.roughanodonovan.com

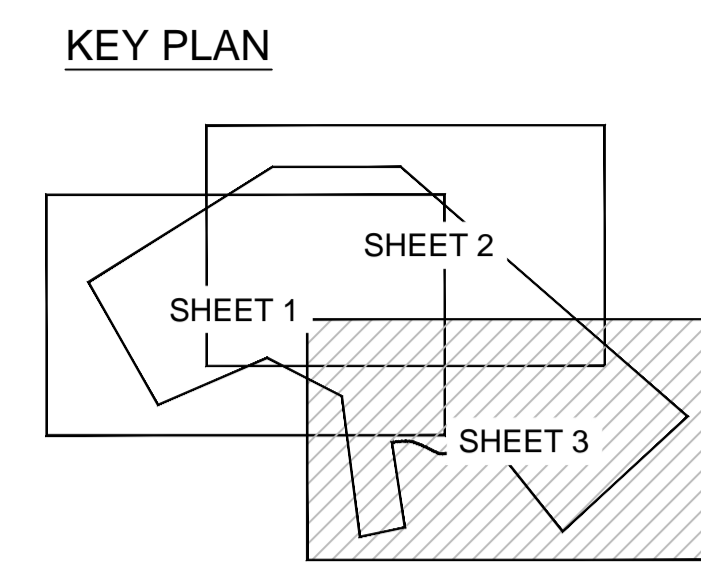
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Designed: LF Checked: MC Approved: MC Status: WORK IN PROGRESS

Project Title		LIMERICK NORTHERN DISTRIBUTOR ROAD	
Drawing Title		ELECTRICITY SUPPLY CONSTRAINTS SHEET 2 OF 3	
Drawn: RE	Job No: 10194	Drawing No: CS-409	Rev:
Scale: 1:20,000 @ A3	Date: 13-10-10		



LEGEND

	CONSTRAINTS STUDY AREA
	EXISTING 220kV ESB
	EXISTING 110kV ESB
	EXISTING 38kV ESB
	EXISTING 38kV UNDERGROUND

WORK IN PROGRESS



Comhairle Contae an Chláir
Clare County Council



LIMERICK CITY COUNCIL
COMHAIRLE CATHRACH LUIMNIGH



An Roinn Iompair
Turasóireachta agus Spóirt
Department of Transport,
Tourism and Sport

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	APPROVAL				
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	CONSTRUCTION				

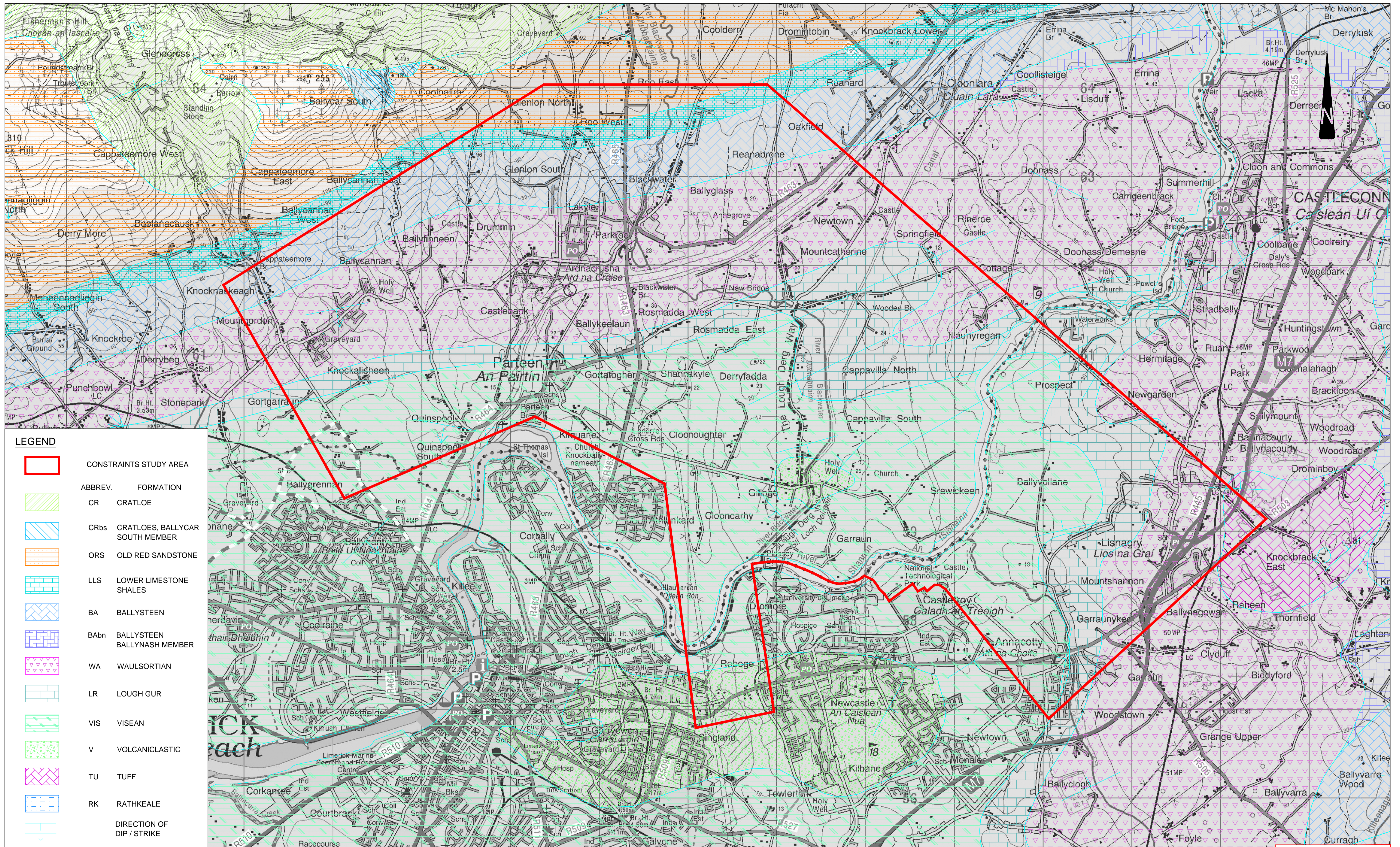
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Drawing Title		ELECTRICITY SUPPLY CONSTRAINTS SHEET 3 OF 3	
Drawn: RE	Job No: 10194	Drawing No: CS-410	Rev:
Scale: 1:20,000 @ A3	Date: 13-10-10		





LEGEND

-  CONSTRAINTS STUDY AREA
- ABBREV. FORMATION**
-  CR CRATLOE
-  CRbs CRATLOES, BALLYCAR SOUTH MEMBER
-  ORS OLD RED SANDSTONE
-  LLS LOWER LIMESTONE SHALES
-  BA BALLYSTEEN
-  BAbn BALLYSTEEN BALLYNASH MEMBER
-  WA WAULSORTIAN
-  LR LOUGH GUR
-  VIS VISEAN
-  V VOLCANICLASTIC
-  TU TUFF
-  RK RATHKEALE
-  DIRECTION OF DIP / STRIKE

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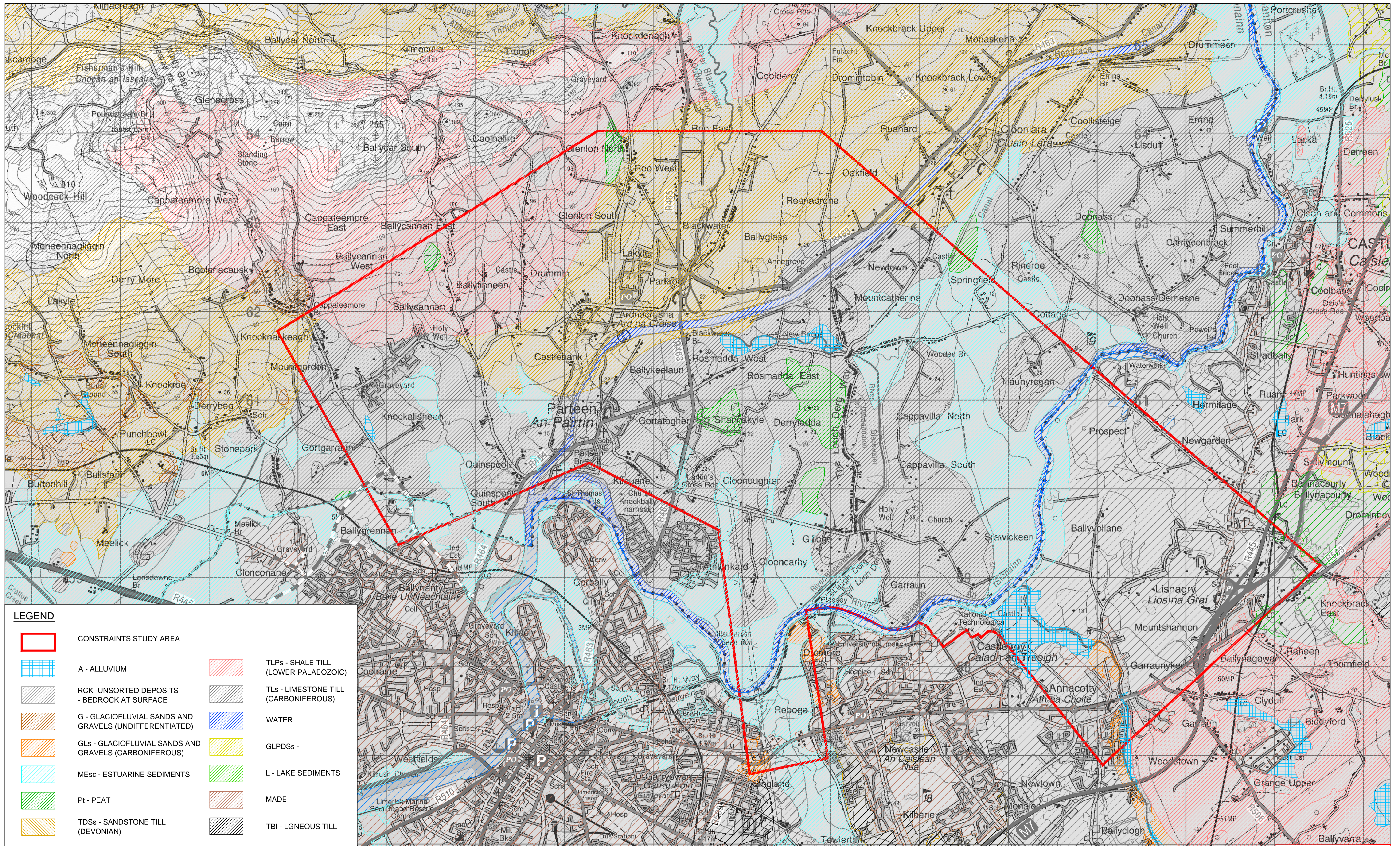
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 <p>LIMERICK CITY COUNCIL COMHAIRLE CATHRACH LUIMNIGH</p>	 <p>An Roinn Iompair Turasóireachta agus Spóirt Department of Transport, Tourism and Sport</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>Date</th> <th>By</th> <th>Chkd</th> <th>App'd</th> </tr> </thead> <tbody> <tr> <td colspan="6" style="text-align: center;">PRELIMINARY</td> </tr> <tr> <td colspan="6" style="text-align: center;">APPROVAL</td> </tr> <tr> <td colspan="6" style="text-align: center;">TENDER</td> </tr> <tr> <td colspan="6" style="text-align: center;">CONSTRUCTION</td> </tr> </tbody> </table>	No.	Revision	Date	By	Chkd	App'd	PRELIMINARY						APPROVAL						TENDER						CONSTRUCTION						<p>Roughan & O'Donovan Consulting Engineers Civil - Structural - Transportation - Environmental www.roughanodonovan.com</p> <p>MRG consulting engineers Civil and Structural Engineers</p>	<p>Project Title LIMERICK NORTHERN DISTRIBUTOR ROAD</p> <p>Drawing Title BEDROCK GEOLOGY MAPPING</p> <p>Drawn: RE Job No: 10194 Drawing No: CS-601 Rev: Scale: 1:40,000 @ A3 Date: 13-10-10</p>
No.	Revision	Date	By	Chkd	App'd																													
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Apr 05, 2012 - 3:16pm Drawing Location: L:\accaddwg\2010\10194\Drigs02-CS\CS-601.dwg

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LEGEND

	CONSTRAINTS STUDY AREA		TLPs - SHALE TILL (LOWER PALAEOZOIC)
	A - ALLUVIUM		TLS - LIMESTONE TILL (CARBONIFEROUS)
	RCK - UNSORTED DEPOSITS - BEDROCK AT SURFACE		WATER
	G - GLACIOFLUVIAL SANDS AND GRAVELS (UNDIFFERENTIATED)		GLPDSs -
	GLs - GLACIOFLUVIAL SANDS AND GRAVELS (CARBONIFEROUS)		L - LAKE SEDIMENTS
	MESc - ESTUARINE SEDIMENTS		MADE
	PI - PEAT		TBI - LGNEOUS TILL
	TDSs - SANDSTONE TILL (DEVONIAN)		

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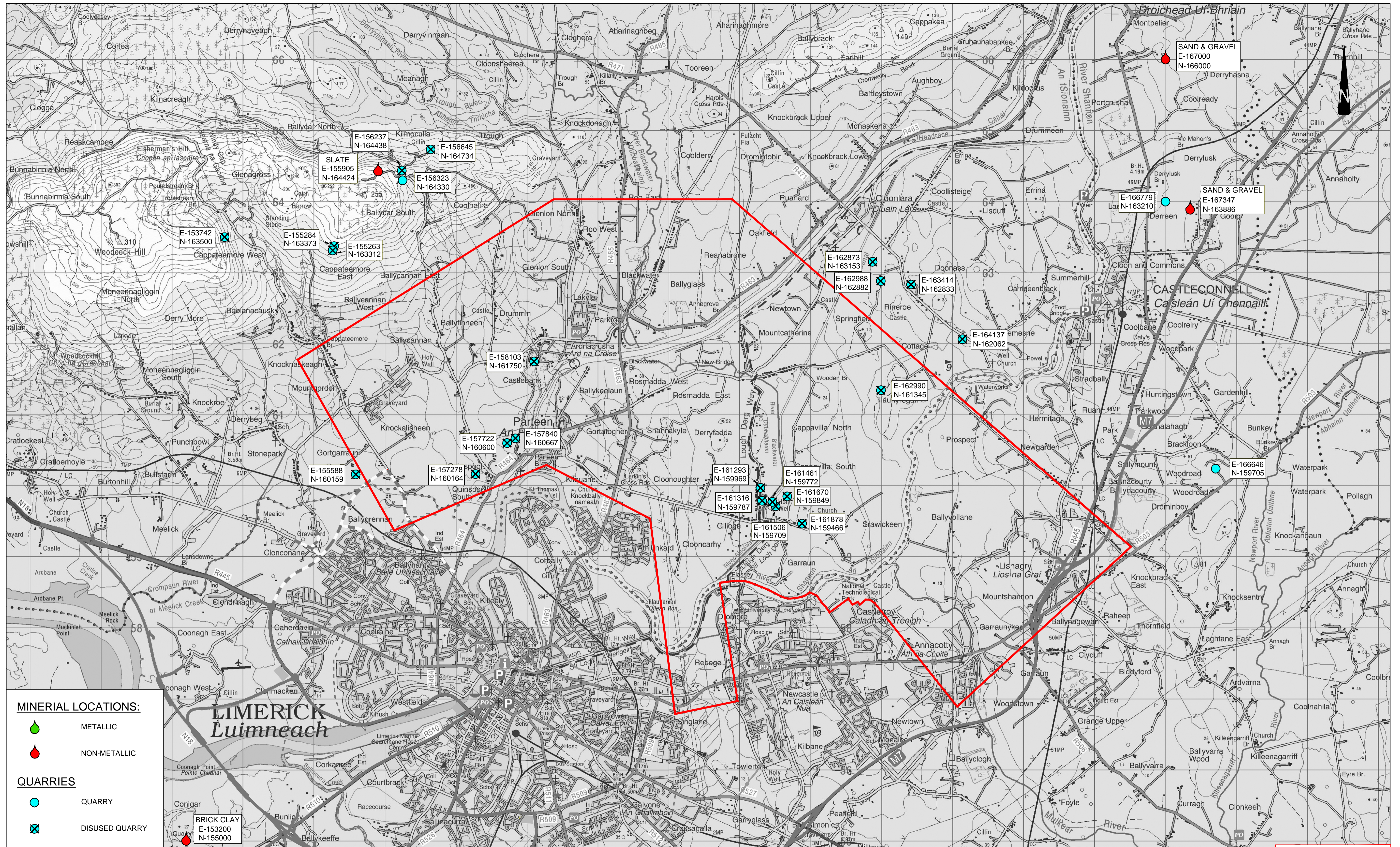
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<p>PRELIMINARY APPROVAL TENDER CONSTRUCTION</p>	<p>Designed: PK Checked: LF Approved: MC Status: WORK IN PROGRESS</p>	<p>MRG consulting engineers Malone O'Regan McGillicuddy CIVIL AND STRUCTURAL ENGINEERS</p>	<p>Scale: 1:40,000 @ A3 Date: 13-10-10</p>											

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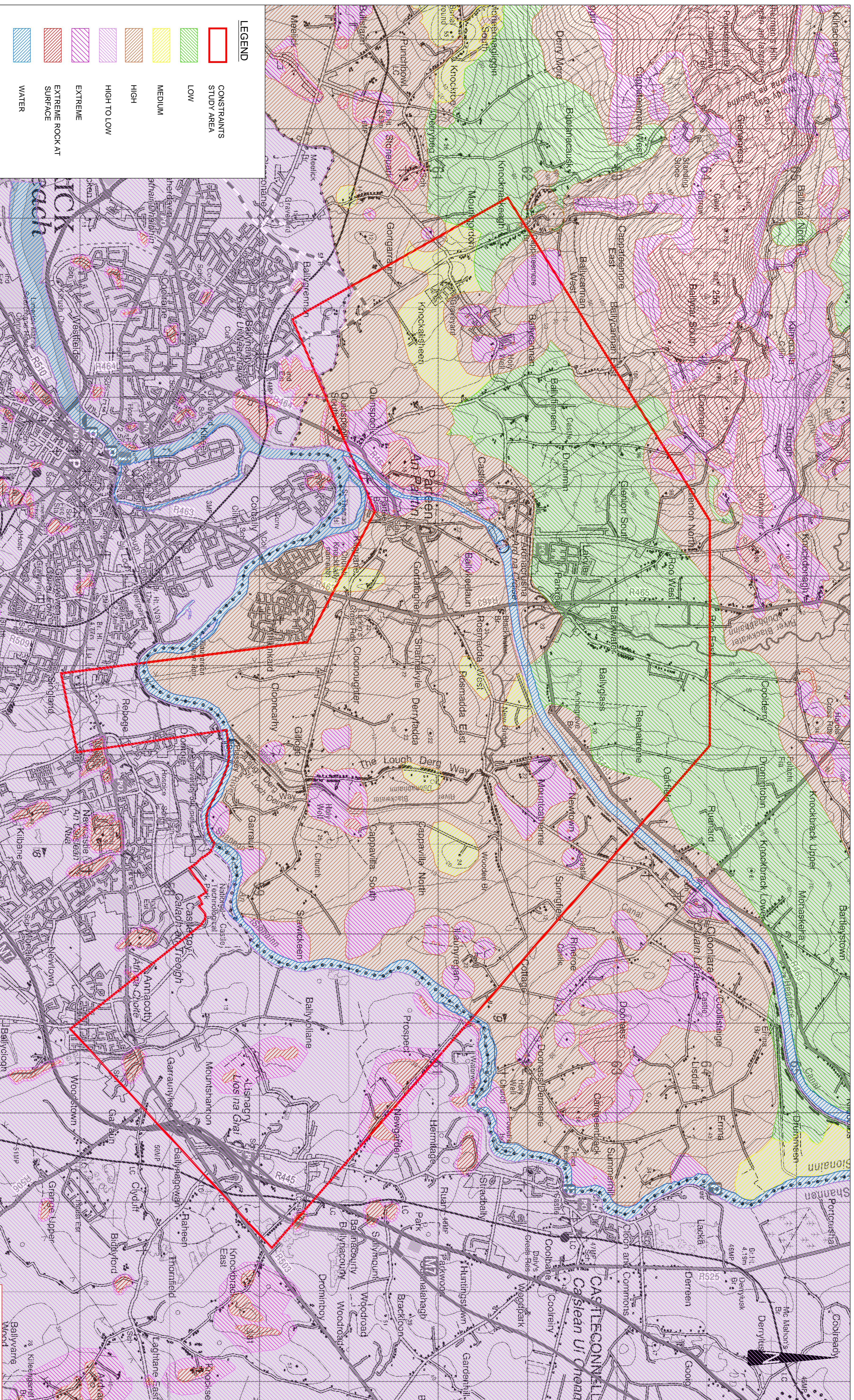
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	<p>ARENA HOUSE, ARENA ROAD, SANDYFORD, DUBLIN 18. Tel: +353 1 294 0800 Fax: +353 1 294 0820 e-mail: info@rod.ie</p>	<p>Drawing Title QUARRIES AND MINERAL LOCATIONS</p>																																						
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LEGEND


- CONSTRAINTS STUDY AREA**
- LOW**
- MEDIUM**
- HIGH**
- HIGH TO LOW**
- EXTREME**
- EXTREME ROCK AT SURFACE**
- WATER**

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Department of Transport
Turascloiche agus Spóirt

No.	Revision	Date	By	App'd

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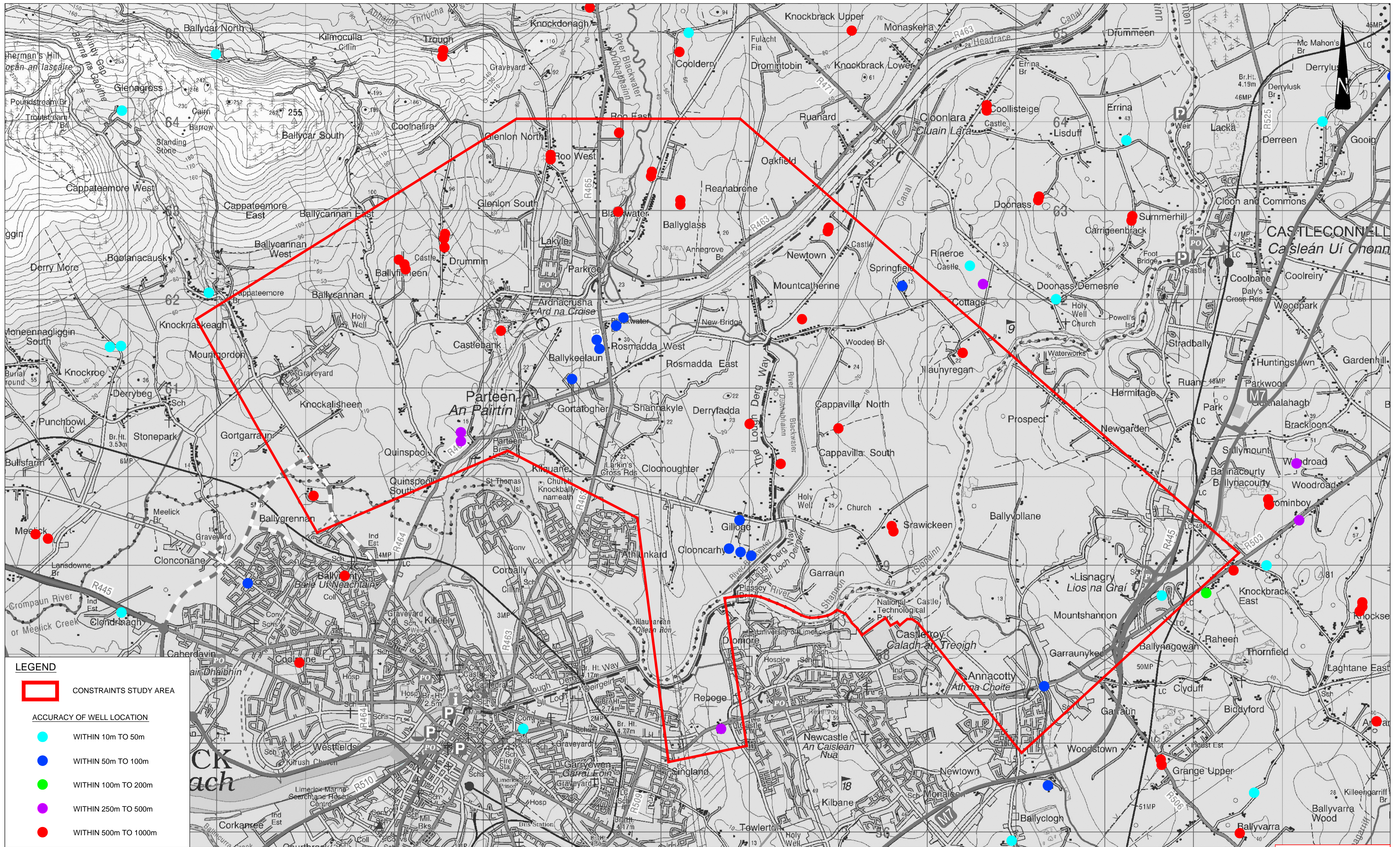
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Project Title
LIMERICK NORTHERN DISTRIBUTOR ROAD

Drawing Title
BEDROCK AQUIFER INTERIM VULNERABILITY

Date: 13-10-10
Scale: 1:40,000 @ A3
Drawing No.: 10194
Rev.: CS-604



LEGEND

CONSTRAINTS STUDY AREA

ACCURACY OF WELL LOCATION

- WITHIN 10m TO 50m
- WITHIN 50m TO 100m
- WITHIN 100m TO 200m
- WITHIN 250m TO 500m
- WITHIN 500m TO 1000m

WORK IN PROGRESS

<p>Comhairle Contae an Chláir Clare County Council</p>	<p>LIMERICK CITY COUNCIL COMHAIRLE CATHRACH LUIMNIGH</p>	<p>An Roinn Iompair Turasoireachta agus Spóirt Department of Transport, Tourism and Sport</p>	<p>Roughan & O'Donovan Consulting Engineers Civil - Structural - Transportation - Environmental www.roughanodonovan.com</p>	<p>MRG consulting engineers Civil and Structural Engineers Malone O'Regan McGillicuddy</p>	<p>Project Title: LIMERICK NORTHERN DISTRIBUTOR ROAD</p> <p>Drawing Title: GROUNDWATER WELL LOCATIONS</p> <p>Drawn: RE Job No: 10194 Drawing No: CS-605</p> <p>Scale: 1:40,000 @ A3 Date: 13-10-10</p>
<p>Ordnance Survey Ireland Licence No EN 0006512 © Ordnance Survey Ireland and Government of Ireland. Apr 05, 2012 - 3:21pm Drawing Location: L:\acaddwg\2010\10194\Drsg102-CS/CS-605.dwg</p>			<p>Designed: PK Checked: LF Approved: MC Status: WORK IN PROGRESS</p>		

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