

## **Greater Dublin Drainage**

# **Alternative Sites Assessment and Route Selection Report (Phase 4): Final Preferred Site and Routes**

## **Appendix 13** Drawings

June 2013

Document control sheetP 04 F8

Client: Fingal County Council  
 Project: Greater Dublin Drainage Job No: 32102900  
 Document Title: Drawings

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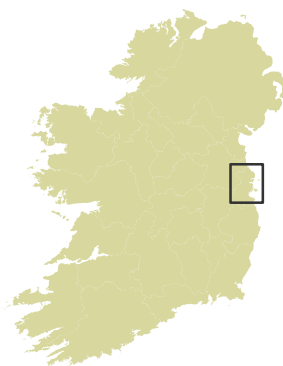
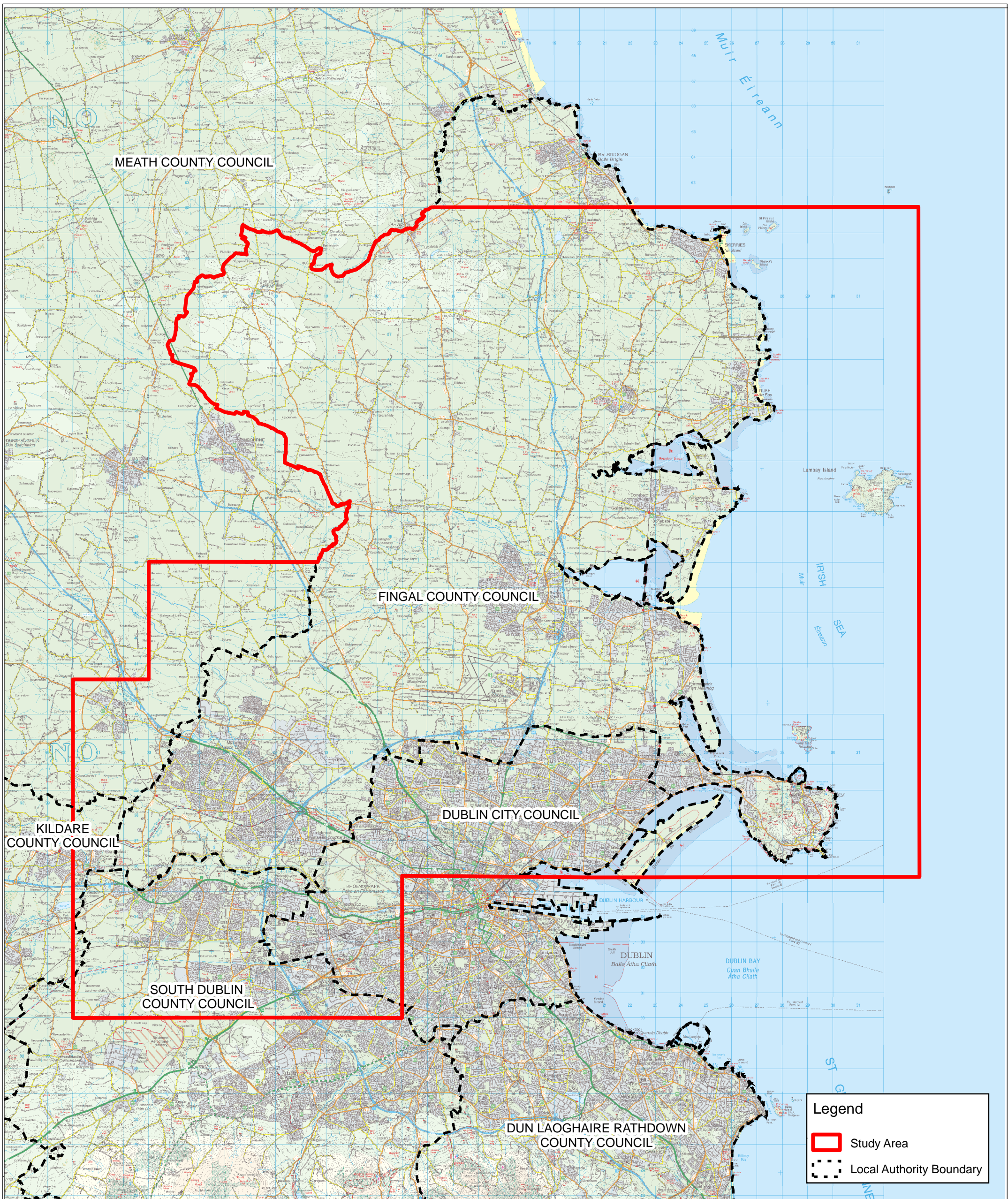
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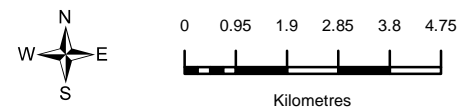




Drawing Title  
**ALTERNATIVE SITES ASSESSMENT  
 AND ROUTE SELECTION REPORT (Phase 4)**  
**STUDY AREA**

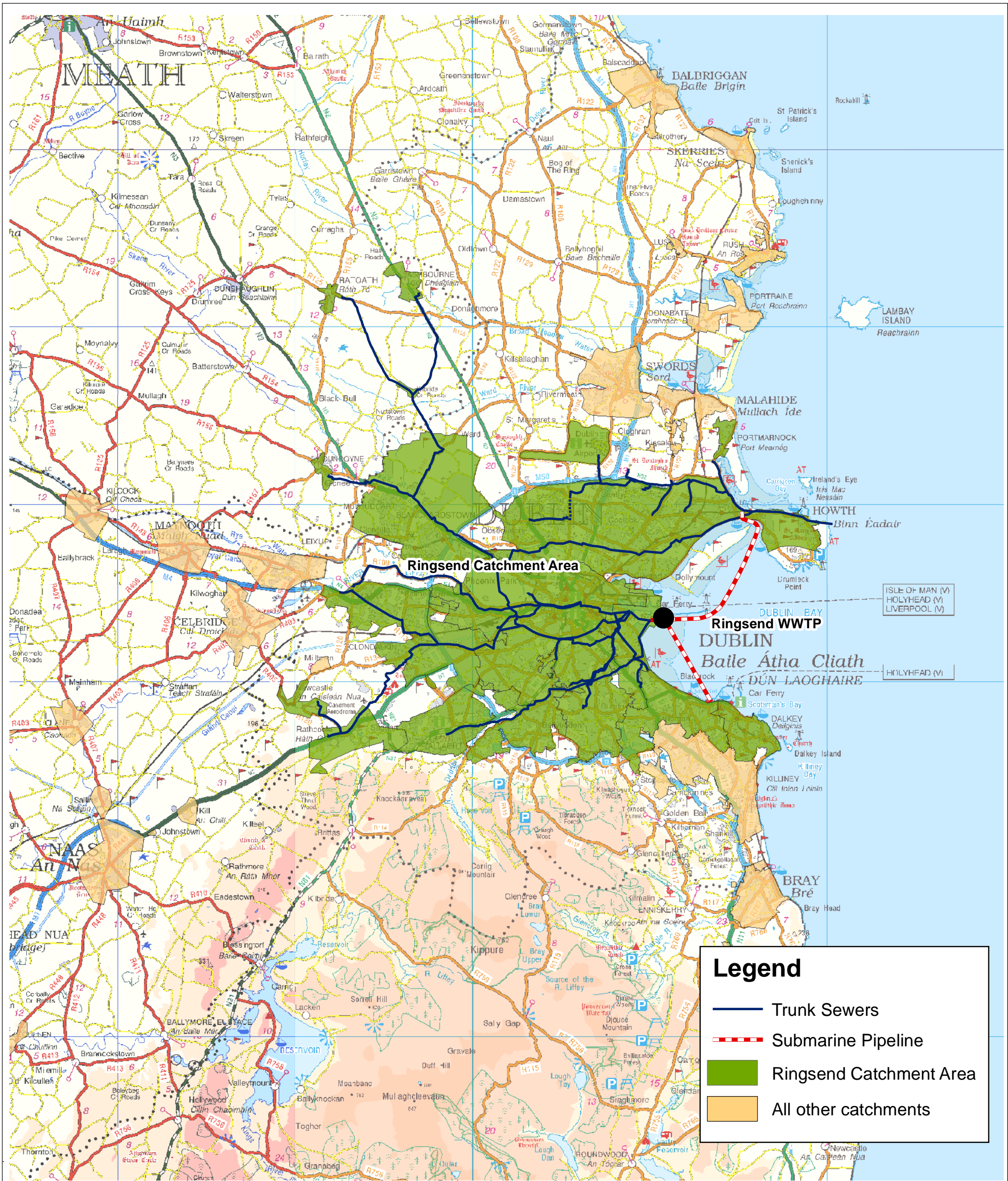
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
A	17.05.13	ISSUED	MN	AWD	DC	COK

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Job No.	32102900	
Drawing No.	Drawing No. 1	



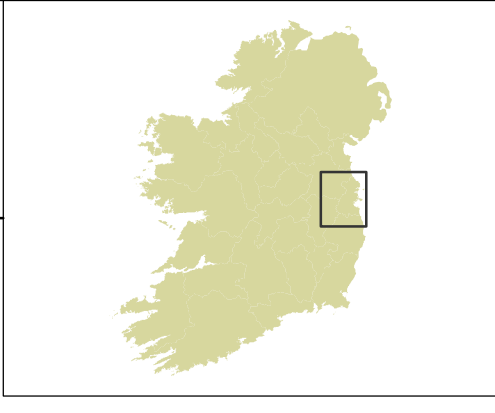


### Legend

- Trunk Sewers
- Submarine Pipeline
- Ringsend Catchment Area
- All other catchments

**Greater Dublin Drainage**

Drawing Title  
**ALTERNATIVE SITES ASSESSMENT AND ROUTE SELECTION REPORT (Phase 4)**  
**RINGSEND CATCHMENT AREA**



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
A	17.05.13	ISSUED	MN	AWD	DC	COK

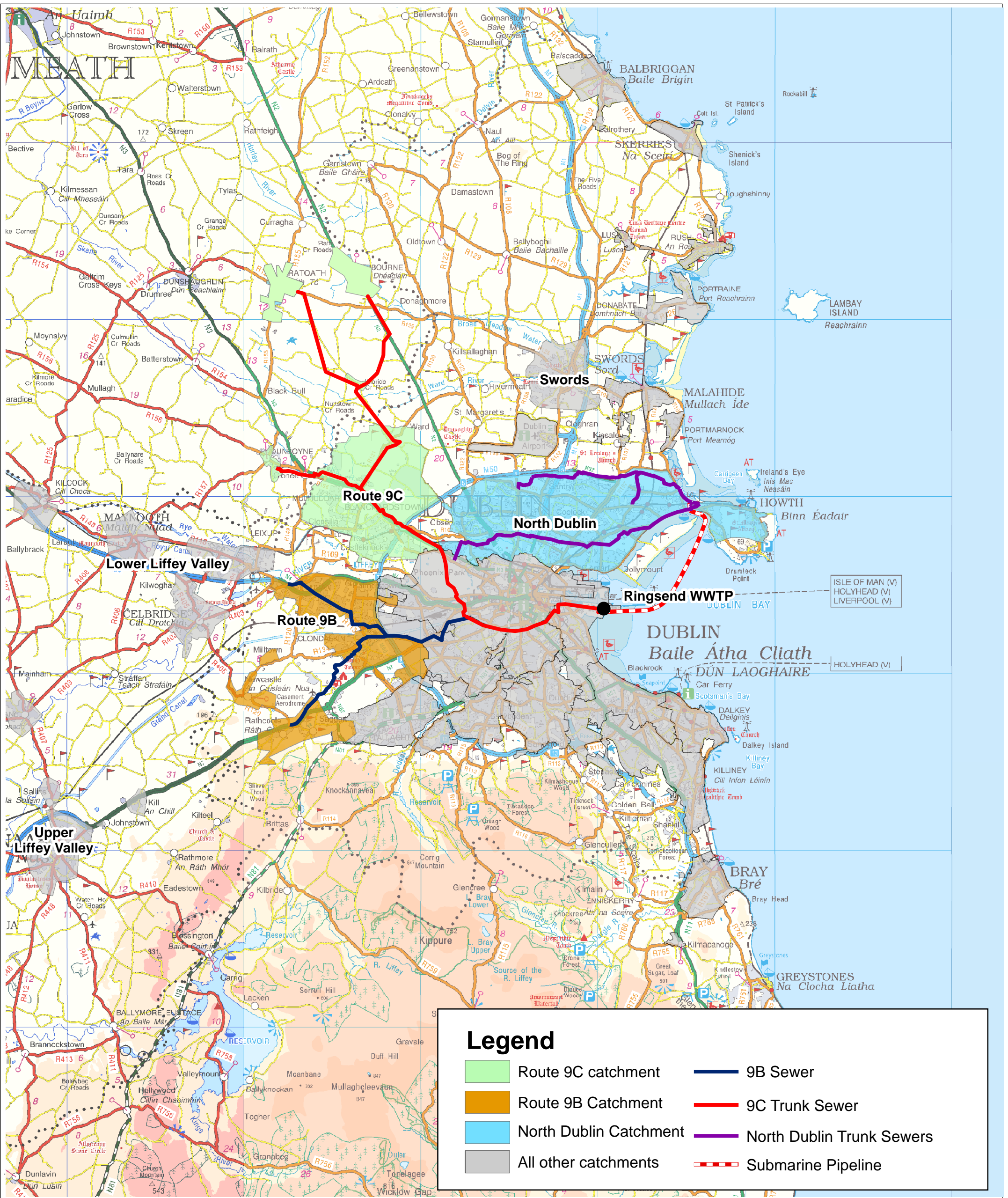
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0 1.5 3 4.5 6 7.5  
Kilometres

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### Legend

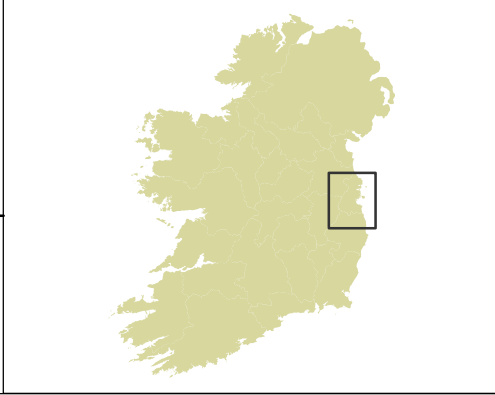
- Route 9C catchment
- Route 9B Catchment
- North Dublin Catchment
- All other catchments
- 9B Sewer
- 9C Trunk Sewer
- North Dublin Trunk Sewers
- Submarine Pipeline

**Greater Dublin Drainage**

Drawing Title

**ALTERNATIVE SITES ASSESSMENT AND ROUTE SELECTION REPORT (Phase 4)**

**CRITICAL CATCHMENTS**



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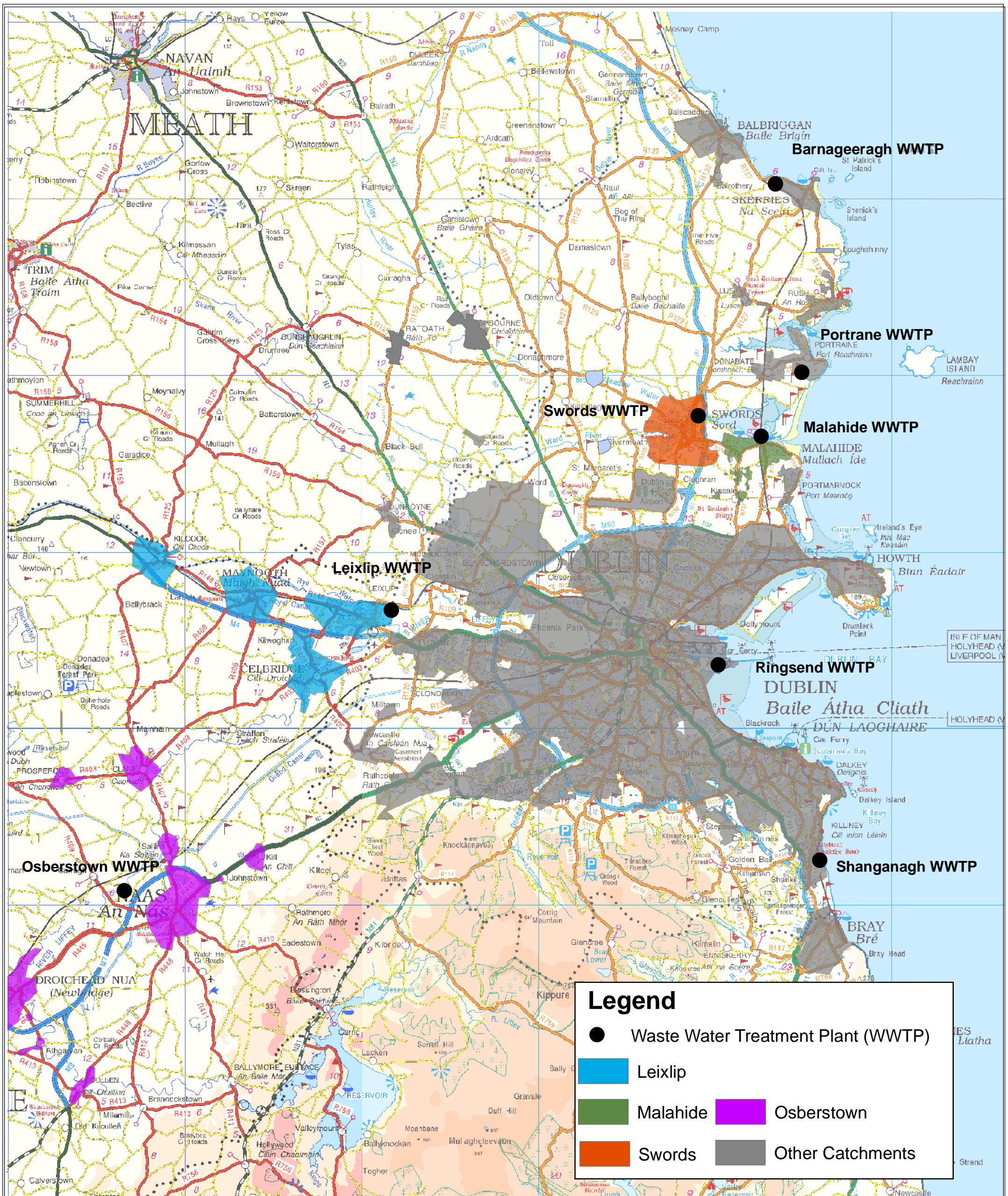
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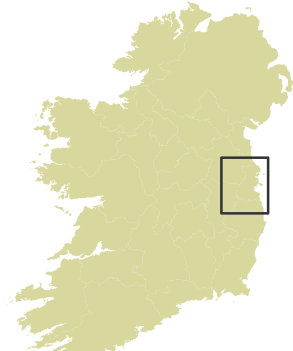
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Job No.	32102900	
Drawing No.	Drawing No. 3	





**Legend**

- Waste Water Treatment Plant (WWTP)
- Leixlip
- Malahide
- Swords
- Osberstown
- Other Catchments



Drawing Title  
**ALTERNATIVE SITES ASSESSMENT AND ROUTE SELECTION REPORT (Phase 4)**  
**SECONDARY CATCHMENTS**

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**JACOBS** **TOBIN**

Drawing Status: **ISSUED**

Scale @ A3: 1:200,000

Job No.: 32102900

Drawing No.: 4

DO NOT SCALE



- CHAMBER
- TANK
- BUILDING / DESIGNATED AREA
- SLUDGE PLANT
- IMPORTED SLUDGES PLANT
- TURNING AREA
- ROAD
- PS - PUMPING STATION

NOTE: INDICATIVE DIMENSIONS

- PST = 66m x 22m at 4.5m Depth
- STORM TANK = 50m x 25m at 5m Depth
- ASP = 50m x 12.5m at 6m Depth
- FST = 34m $\varnothing$ , Sidewall Depth = 3m
- PULPER Height = 8m
- REACTORS Height = 9m
- FLASH TANK Height = 8m
- ANAEROBIC DIGESTER Height = 12m
- DIGESTED SLUDGE BUFFER TANK Height = 8m
- SLUDGE BUILDING Height = 10m
- CONTROL BUILDING Height = 10m
- UNTHICKENED SLUDGE STORAGE Height = 8m



Rev	7/26/13	ISSUE	MAN	AND	DC	CHK
Rev	Rev. Date	Purpose of revision	Drawn	Checked/Reviewed/Approved		

Client: FINGAL COUNTY COUNCIL

Project: GREATER DUBLIN DRAINAGE SCHEME

Drawing Title: ALTERNATIVE SITES ASSESSMENT AND ROUTE SELECTION REPORT (Phase 4)

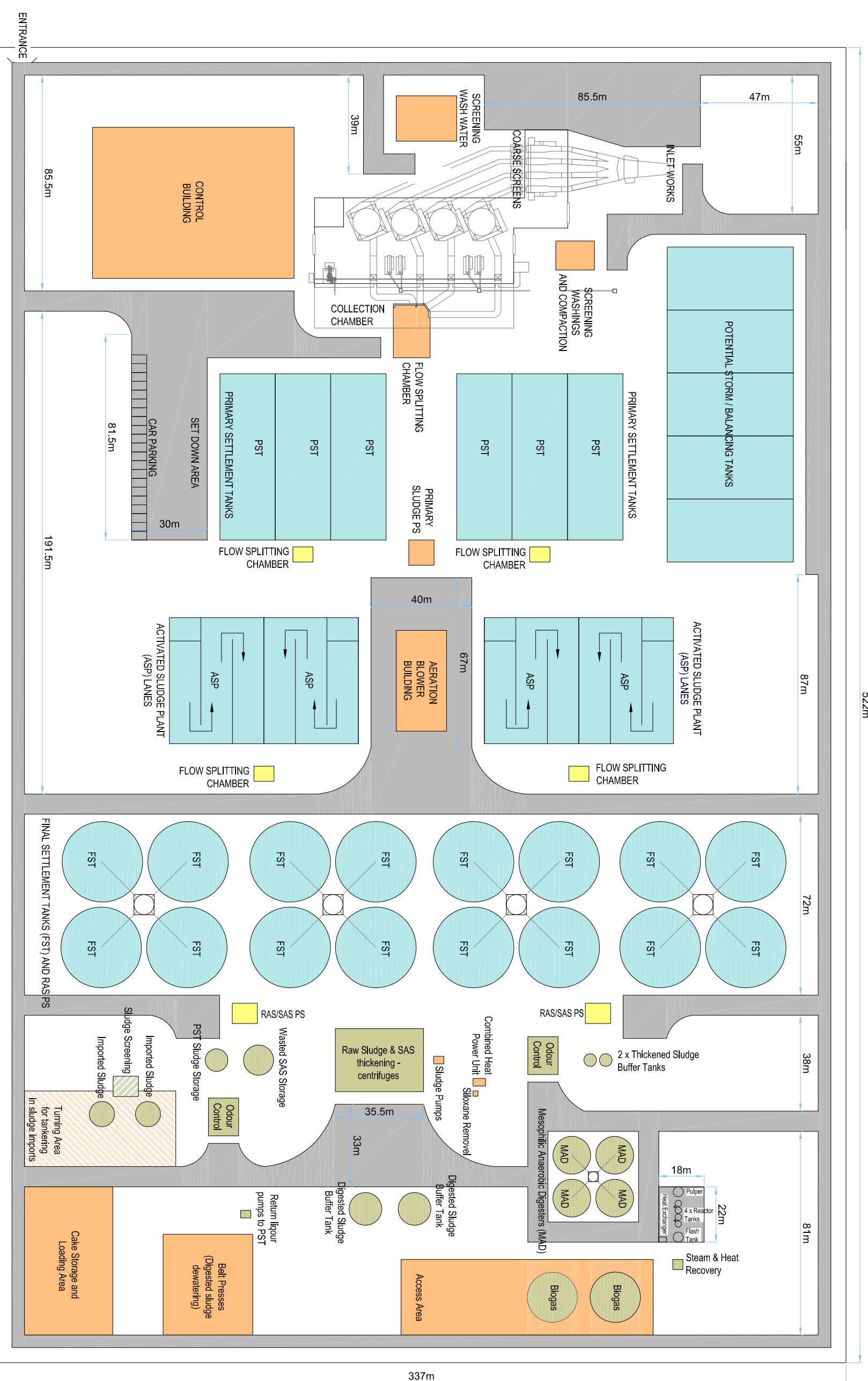
INDICATIVE WWTP LAYOUT

Drawing status: ISSUED

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Jacobs No.	32102900	
Client no.		
Drawing number		

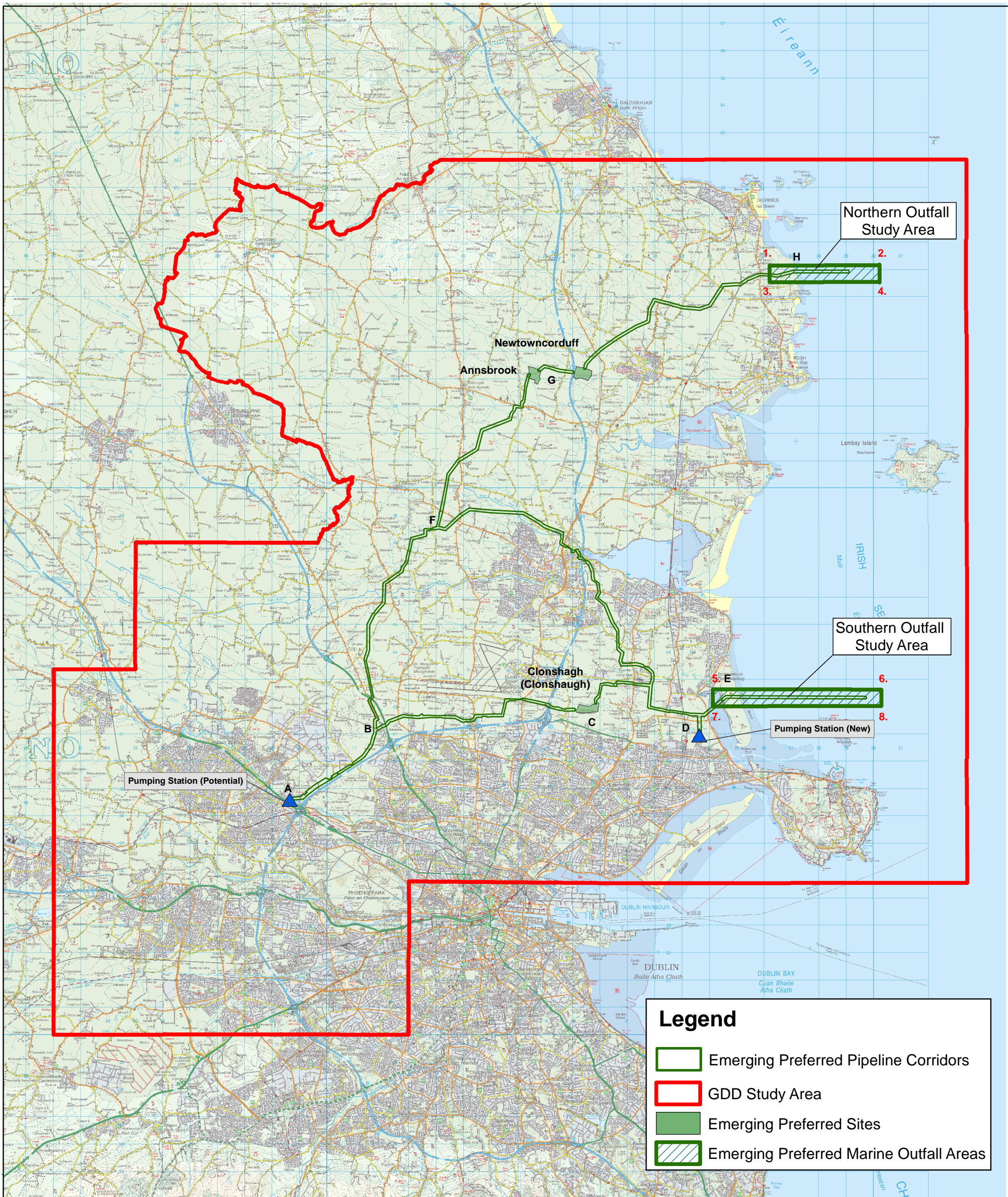
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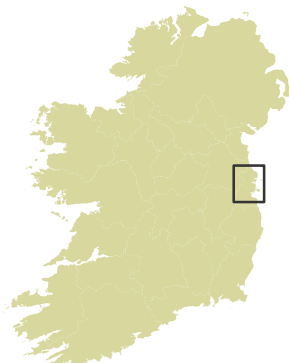


PLAN - LAYOUT





Drawing Title  
**ALTERNATIVE SITES ASSESSMENT  
 AND ROUTE SELECTION REPORT (Phase 4)**  
**EMERGING PREFERRED  
 SITE OPTIONS**



Rev.	Date	Purpose of revision	Drawn	Checked/d	Rev'd	Appr'd
A	17.05.13	ISSUED	MN	AWD	DC	COK

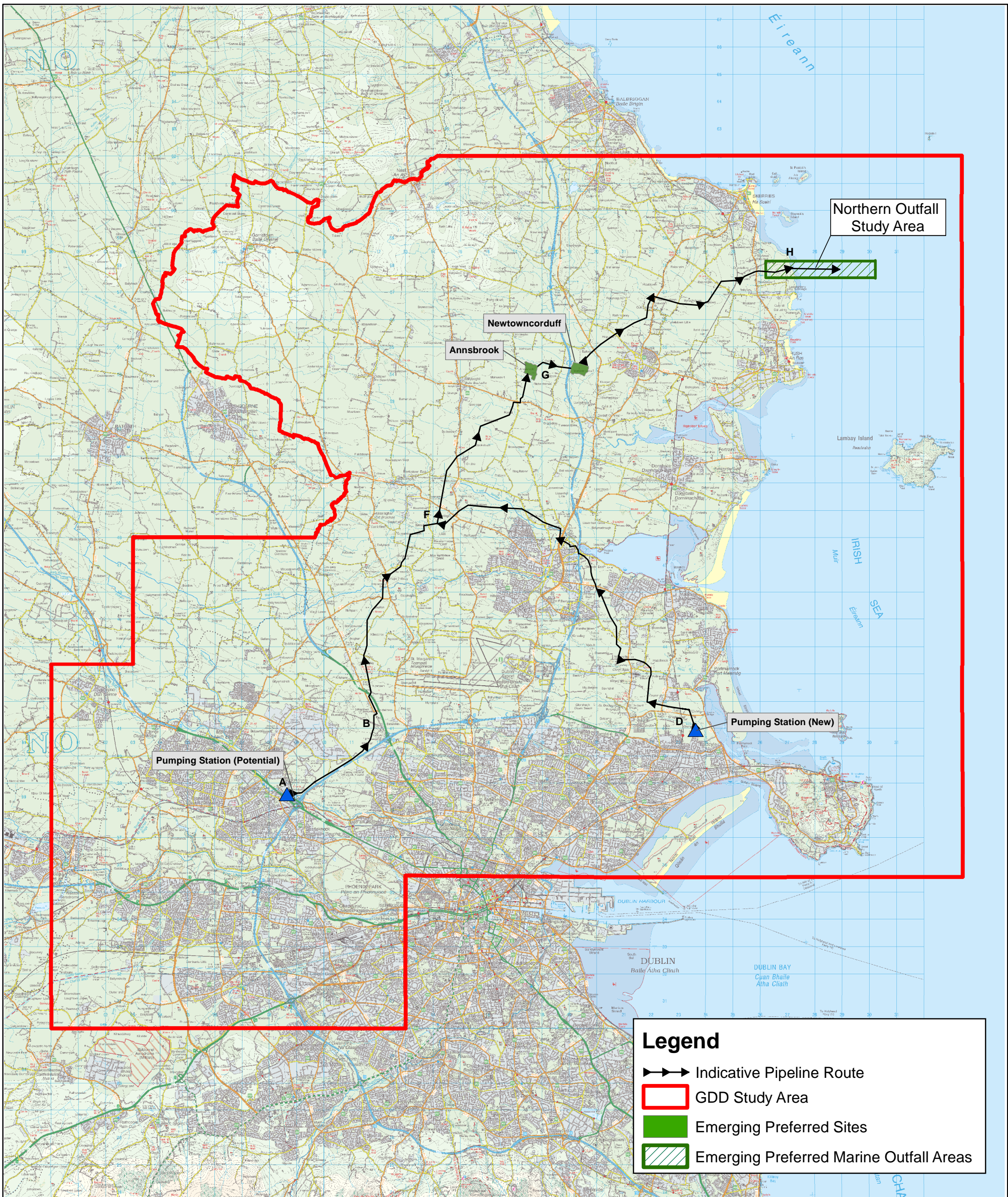
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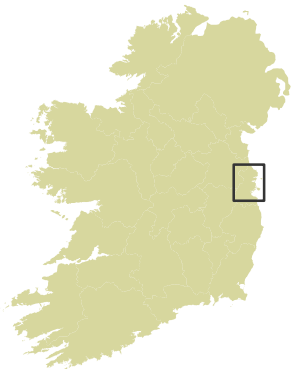
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Job No.	32102900	
Drawing No.	Drawing No. 6	





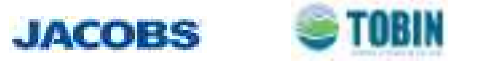
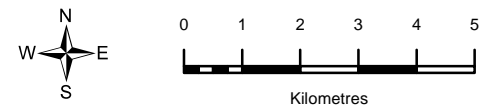
**Legend**

- Indicative Pipeline Route
- GDD Study Area
- Emerging Preferred Sites
- Emerging Preferred Marine Outfall Areas



Drawing Title  
**ALTERNATIVE SITES ASSESSMENT AND ROUTE SELECTION REPORT (Phase 4)**  
**ANNSBROOK & NEWTOWNCORDUFF SITE OPTIONS**

A	17.05.13	ISSUED	MN	AWD	DC	COK
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd



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Drawing No.	Drawing No. 6A	

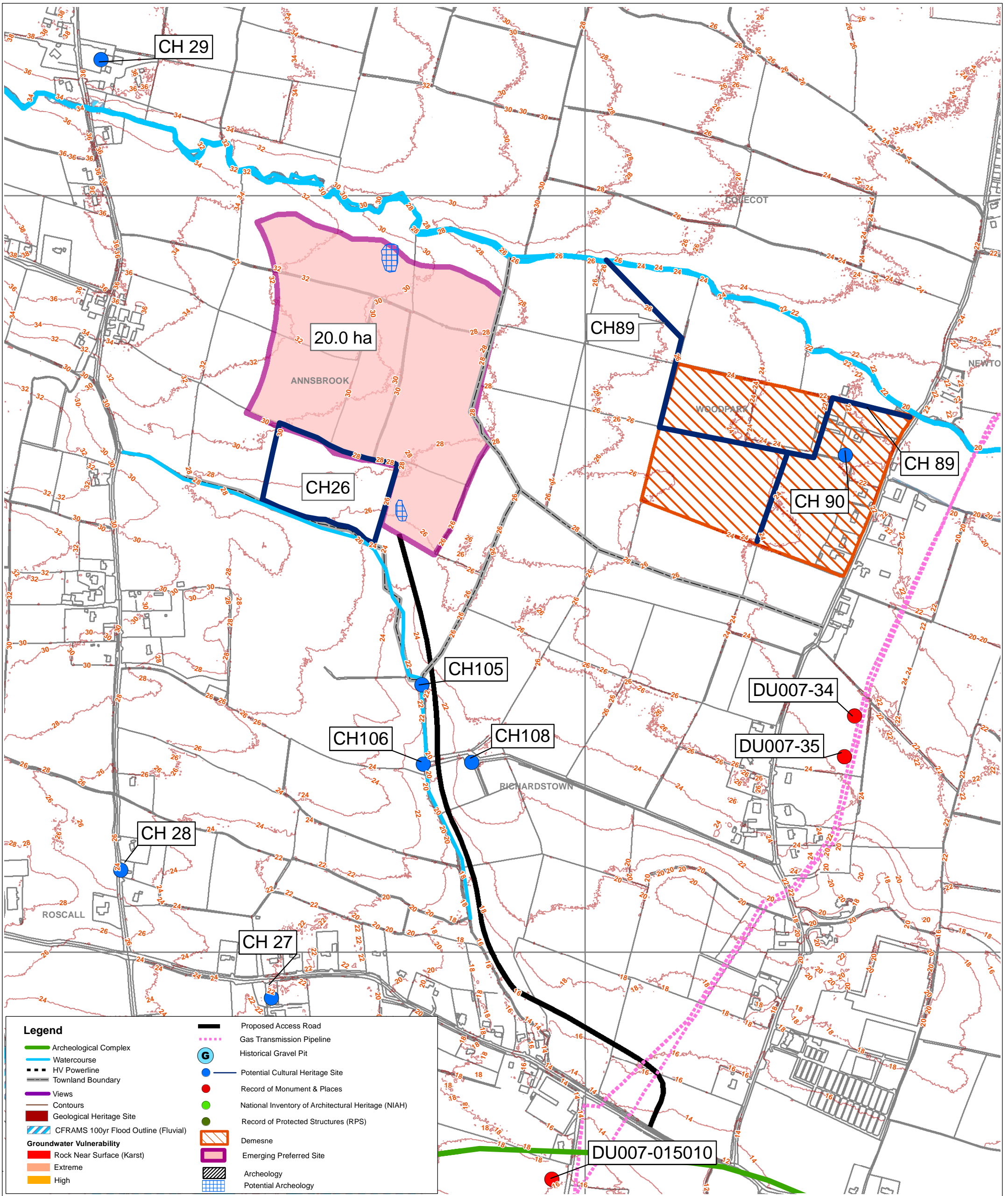












**Greater Dublin Drainage**

Drawing Title  
**ALTERNATIVE SITES ASSESSMENT AND ROUTE SELECTION REPORT (Phase 4)**  
**ANNSBROOK EMERGING PREFERRED SITE - CONSTRAINTS**

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
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W N E S

0 40 80 120 160 200  
Meters

**JACOBS** **TOBIN**

Drawing Status: **ISSUED**

Scale @ A3: 1:7,000 DO NOT SCALE

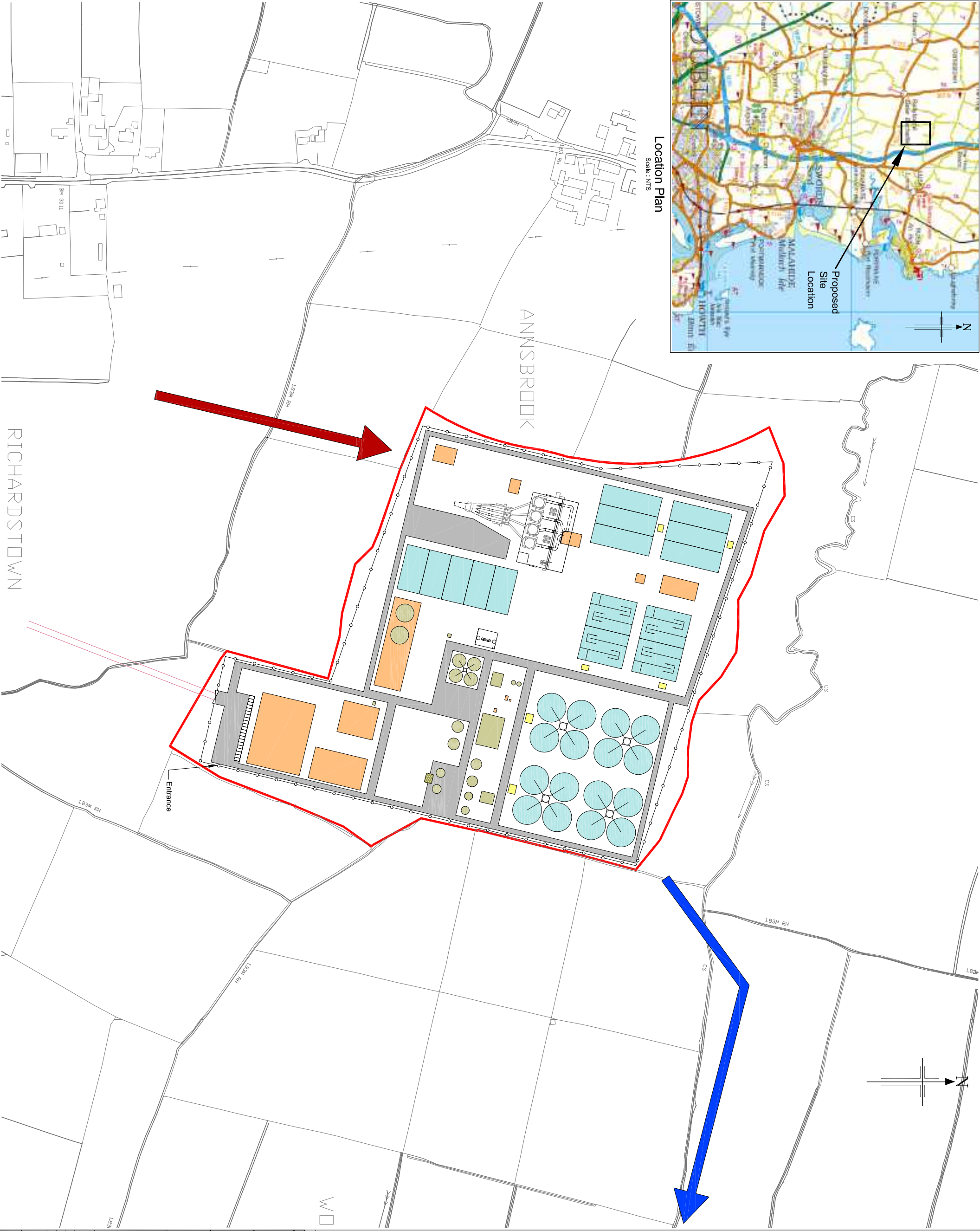
Job No.: 32102900

Drawing No.: **FIGURE 8A**





**Location Plan**  
 Scale: NTS



- Notes:**
1. This drawing is not to be scaled. Figured dimensions only to be taken.
  2. This drawing is for indicative use only.

**Legend:**

- Proposed Land Boundary
- Proposed Site Perimeter
- Proposed Incoming Raw Sewage Main
- Proposed Outgoing Final Effluent Main
- Proposed Access Road
- Proposed Chamber
- Proposed tank
- Proposed Building / Designated Area
- Proposed Sludge Plant
- Proposed Imported Sludges Plant
- Proposed Road (within site perimeter)



Client: **FINGAL COUNTY COUNCIL**

Project: **GREATER DUBLIN DRAINAGE SCHEME**

Drawing title: **ALTERNATIVE SITES ASSESSMENT AND ROUTE SELECTION REPORT (Phase 4)**

**ANNSBROOK (EMERGING PREFERRED SITE) INDICATIVE LAYOUT**

Drawing status: <b>ISSUED</b>	
Scale: NTS @ A3	DO NOT SCALE
Jacobs No: 32102900	
Client no:	
Drawing number: <b>Drawing No. 8B</b>	
Rev: <b>A</b>	

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