Kilkenny Northern Ring Road Extension – (Freshford Road to Castlecomer Road)
Environmental Impact Statement
Volume 3: Figures

Client: Kilkenny County Council
Date: 15th November 2013
Job Number: 07_088
PREFACE

THIS ENVIRONMENTAL IMPACT STATEMENT CONSISTS OF THE FOLLOWING FOUR DOCUMENTS:

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   NON-TECHNICAL SUMMARY

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FIGURE 1.01

Overall Location Map

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FIGURE 1.02

Overall Layout
Proposed Northern Ring Road Extension
FIGURE 2.01

Projected Traffic Flows

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FIGURE 2.02

Scheme Identified on Kilkenny City & Environs Development Plan
Figure 9.1: Zoning Objectives Map

Road Objective R2:
Reserve free from development the proposed line of the western by-pass for the city from the Castlecomer Road to the Callan Road including for a river crossing.
FIGURE 3.01

Route Options

&

FIGURE 3.02

Profile Options
Profile Options

Horizontal Scale 1:2500
Vertical Scale 1:250
FIGURE 4.01 & 4.02

Proposed Road Layout: Plan, Long Section and Cross Section,

&

FIGURE 4.03

Proposed Bridge: Long Section and Cross Section
This drawing is produced using the Irish Grid Geographic Coordinate System.
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FIGURE 5.04
Kilkenny and Environs Development Plan,

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Traffic Model Zones

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FIGURE 5.08
Future Traffic Flows
This drawing is produced using the Irish Grid Geographic Coordinate System.

Kilkenny Northern Ring Road Extension

Modelled 2034 Road Network

Drawn By: SP Scale: NTS @ A3 Date: November 2013
Checked by: GE Deg. Progress: EIS Figure 5.03 Deg. No: 07 088 1009

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Kilkenny Northern Ring Road Extension
Traffic Model Zones - National/Regional One Plan

Drawn by: SP
Checked by: GE

Date: November 2013

See Figures 5.05 and 5.06
FIGURE 8.01

Location of Electronic Gauges for Recording Flood Levels and Modelled River Reach
This drawing is produced using the Irish Grid Geographic Coordinate System

Kilkenny Northern Ring Road Extension
Gauge and Cross Section Locations

Drawn By: CAB
Checked by: GE

Project: Kilkenny Northern Ring Road Extension
Deg. Title: NTS @ A4 / @ A3
Date: November 2013
EIS Figure 8.01

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FIGURE 9.01, 9.02 & 9.03

Bedrock Geology, Subsoils and Soils,

FIGURE 9.04a, 9.04b & 9.05

Gravel Aquifer, Bedrock Aquifer and Aquifer Vulnerability

&

FIGURE 9.07

EPA Licensed Facilities
Legend
Bedrock Geology

- Ballyadams Formation: Crinoidal wackestone/packstone limestone
- Bregaun Flagstone Formation: Thick flaggy sandstone and siltstone
- Clogrenan Formation: Cherty, muddy, calcarenitic limestone
- Killeshin Siltstone Formation: Muddy siltstone & silty mudstone
- Luggacurren Shale Formation: Mudstone & shale with chert & limestone
Legend

Subsoils
- A - Alluvium undifferentiated gravelly
- GLs - Limestone sands and gravels Carboniferous
- L - Lake sediments undifferentiated
- Made ground
- Rck - Bedrock at surface
- TNSSs- Till derived from Namurian Rocks

Figure 9.02
Legend

Soils
- AlluvMIN - Mineral alluvium
- AminDW - Acid Brown Earths / Brown Podzolics
- AminPD - Surface water Gleys / Ground water Gleys Acidic
- AminSW - Lithosols / Regosols
- BminSW - Renzinas / Lithosols
- Lac
- Made

Figure 9.03
Legend

- Bedrock Aquifer
  - Pl, Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones
  - Pu, Poor Aquifer - Bedrock which is Generally Unproductive
  - Rkd, Regionally Important Aquifer - Karstified (diffuse)

Client: Clifton Scannell Emerson Associates
Project: N77 Kilkenny Ring Rd Extension
Drawing Title: Bedrock Aquifer
Revision Description: Figure 9.04b
Drawing Number: 1
Sheet: A4
Scale: 1:15,000
Prepared: 01/02/2013
Legend

Aquifer Vulnerability

- E, Extreme
- H, High
- M, Moderate
- X, Rock near Surface or Karst

CLIENT: Clifton Scannell Emerson Associates
PROJECT: N77 Kilkenny Ring Rd Extension

DRAWING TITLE: Aquifer Vulnerability

DRAWN D.C: 01/02/2013
CHECKED D.B: 01/02/2013
APPROVED D.B: 01/02/2013
APPD DATE 01/02/2013

Figure 9.05

No. of Shts 1
SIZE A4
SCALE 1:15,000
FIGURE 11.1

Noise Survey Locations,

FIGURE 11.2

Assessment Receiver Locations

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FIGURE 11.3

Noise Barrier Locations
This drawing is produced using the Irish Grid Geographic Coordinate System.

Kilkenny Northern Ring Road Extension

Noise Survey Locations

Shp: 07_088_051
Date: November 2013

Project

Dwg. Title

Scale

Date

Checked by

Shp

Scale

Date

GE

Dwg. Progress

EIS Figure 11.1

Dwg. No.

07_088_051
FIGURE 13.1

RMP Map for County Kilkenny,

FIGURE 13.2, 13.3 & 13.4

Extract of Survey Maps 1656, 1839 & 1900

FIGURE 13.5

Aerial Photography showing proposed route

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FIGURE 13.6

Proposed route options for the Northern Ring Road Extension
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Proposed Land Take
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