


# Midlothian Council

## Low Temperature Asphalt Workshop



# Introduction

- ▶ Background
  - ▶ The Partnership / Framework
  - ▶ The Trial
  - ▶ The Zero Waste Project
- 

# LTA Workshop

- ▶ Background
- ▶ AIA
- ▶ Partnership /Framework
- ▶ LaFarge Tarmac

# The Trial

- ▶ Wheatsheaf Lane, Dalkeith



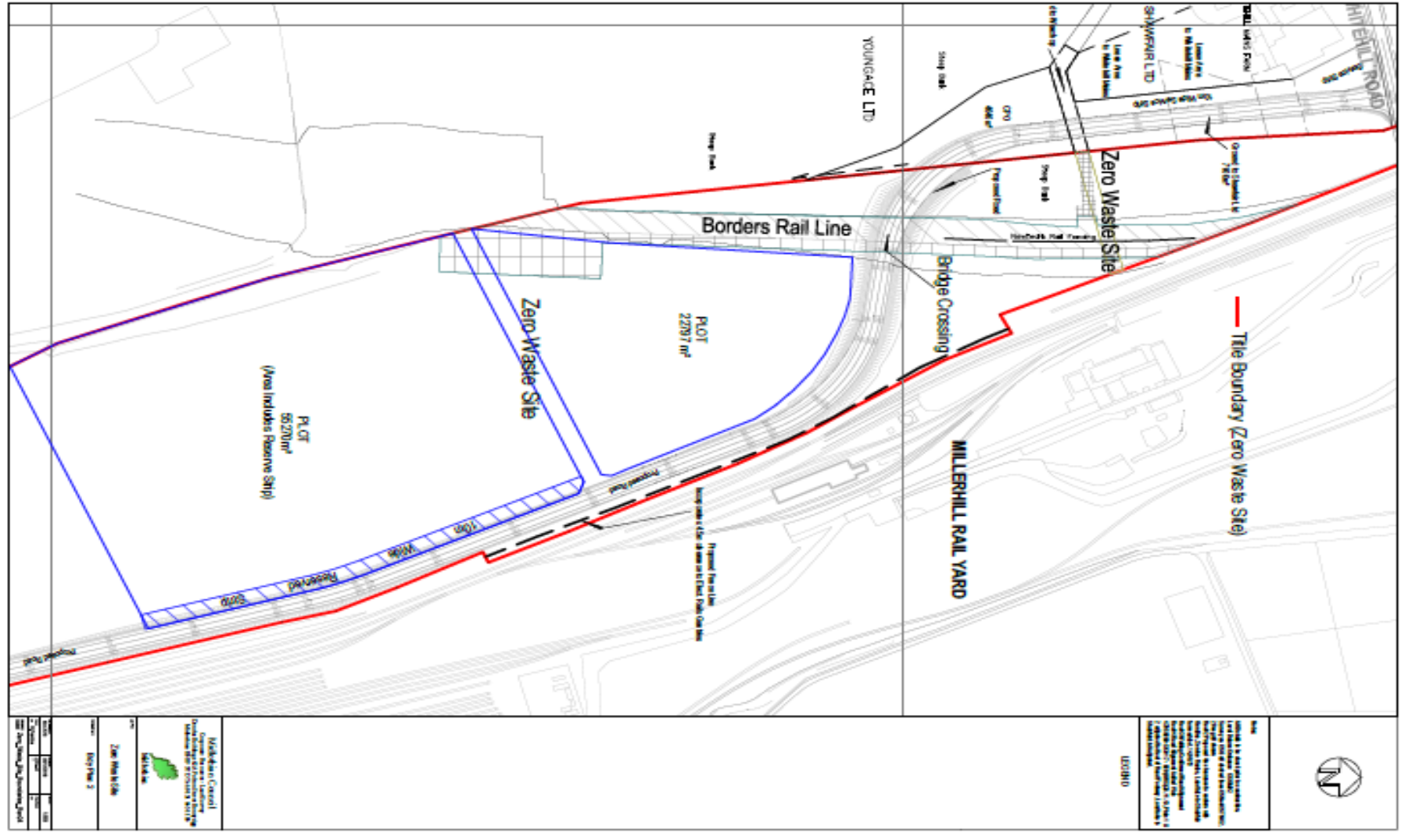
# The Trial



# The Trial



# Zero Waste Project



# Zero Waste Project





# Zero Waste Project



# Zero Waste Project



# LTA Base



95 Degrees



1<sup>st</sup> Layer LTA Base

# LTA Base



- ▶ Carbon Footprint

- ▶ Traditional 32 AC Base has 40.7 kg CO<sub>2</sub>e/t

LTA 32 AC Base has 38 kg CO<sub>2</sub>e/t

Project saving 5.5T CO<sub>2</sub>

# LTA Binder

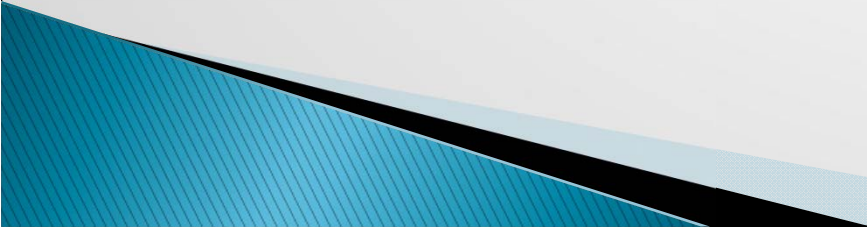


# LTA Binder



- ▶ **Carbon Footprint**
- ▶ Traditional AC 20 Binder has 38.6 kg CO<sub>2</sub>e/t
- ▶ LTA AC 20 Binder has 34.6 kg CO<sub>2</sub>e/ t
- ▶ Project saving 3.91T CO<sub>2</sub>

# Our Experience

- ▶ Improved Safety
  - ▶ Increased working weather window
  - ▶ Carbon Footprint Reduction
  - ▶ Issues
  - ▶ The Future
- 

# LaFarge Tarmac

▶ Adam Dean

▶ Technical details



# Questions?

Mark Rankine

Roads Operations and Asset Manager