Construction of Western Restoration Landform - Zones of Theoretical Visibility

Legend
- Application Area / Proposed Extension Area and Western Landform
- Assessment Zones

Zones of (Theoretical) Visual Influence
- The vertical angle at which the theoretical angle of sky (the area within the area defined for visual impacts) has influence on the visibility of the area.
- The value of the visual influence area defines the visual envelope within the area defined for visual impacts.

- >3.0°: Areas where views of the development are likely to have higher magnitudes of impact.
- 1.0-3.0°: Areas where views of the development are likely to have lower magnitudes of impact.
- 0.3-1.0°: Areas where views of the development are likely to have very low magnitudes of impact.
- 0.2-0.3°: Areas where views of the development are likely to have no impact.
- 0.1-0.2°: Areas where views of the development are likely to have very low magnitudes of impact.

10.0.1.1°: Areas where views of the development are likely to have very low magnitudes of impact.

The visual angles used in this assessment are typically used to assess visibility impacts. This method helps define the area where visual impacts are likely to have significant visual impact on the proposed development. The visual angles are calculated using the field of view and the distance between the observer and the development. The area is then categorized based on the visual impact, with higher values indicating a higher probability of visual impact. The assessment is performed using a combination of visual impact methods and computer simulations to accurately predict the visual impacts of the proposed development.

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Figure 9

Proposed Extension with Western Restoration Landform - Zones of Theoretical Visibility

**Legend**

- Application Area / Proposed Extension Area and Western Landform
- Assessment Zones

**Zones of (Theoretical) Visual Influence**

1. **Zone 1**
   - Description: Areas where views of the development are likely to have a major impact.
   - Visual Influence: >1.0
   - Note: This zone is identified based on the visual impact assessment method used to determine the critical visual distance.

2. **Zone 2**
   - Description: Areas where views of the development are likely to have a moderate impact.
   - Visual Influence: 0.5-1.0
   - Note: This zone is identified based on the visual impact assessment method used to determine the critical visual distance.

3. **Zone 3**
   - Description: Areas where views of the development are likely to have a minor impact.
   - Visual Influence: 0.2-0.5
   - Note: This zone is identified based on the visual impact assessment method used to determine the critical visual distance.

4. **Zone 4**
   - Description: Areas where views of the development are likely to have negligible impact.
   - Visual Influence: 0.1-0.2
   - Note: This zone is identified based on the visual impact assessment method used to determine the critical visual distance.

This method involves determining the critical visual distance at which the development is visible from different vantage points. The critical visual distance is the point at which the development is first discernible from a given location.

The assessment considers factors such as the size, shape, and location of the development relative to potential viewing points. This method provides a systematic approach to evaluating the potential visual impacts of the proposed extension.

**REV** | **W/D** | **NOTES** | **DATE**
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**DRAWING STATUS**

**FINAL**

**PROJECT**

MANCETTER QUARRY PROPOSED EXTENSION

**CLIENT**

Lafarge Tarmac Limited

**TITLE**

Proposed Extension with Western Restoration Landform - Zones of Theoretical Visibility

**DATE**

July 2014

**SCALE**

1:25,000 @A2

**DRAWN**

LMB/SMC

**CHECKED**

RJS

**DRAW NO.**

M13.133(a),D.030

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