

APPENDIX 5:

STANDARDIZED SET OF CONVENTIONS USED TO ASSESS THE IMPACT OF PROJECTS ON INDIVIDUAL HERITAGE FEATURES

Category of heritage significance of feature

One or more of the categories (a) to (i) to Section 3(3) of the NHRA.

From a heritage perspective there should be a distinction between significance embedded in the physical fabric, or in associations with events or persons, or in the experience of the place.

Conservation value of heritage feature (individual)

Worth, conservation utility, and desirability to conserve: Low / medium / high.

Duration of the impact

- Short term
1 - 5 years
Factor 2
- Medium term
5 – 10 years
Factor 3
- Long term
Risk will only cease after the operational life of the activity, either because of natural processes or by human intervention.
Factor 4
- Permanent (irreversible)
Mitigation, either by natural process or by human intervention, will not occur in such a way that the risk can be considered transient
Factor 5

Impact significance rating

This is calculated by multiplying the **severity rating** with the **probability rating**.

The impact significance factor should influence the development project as described below.

LEVEL	RATING	POSITIVE RISK CONSEQUENCE	NEGATIVE RISK CONSEQUENCE
Low	4 – 6	No influence on proposed development	No influence on proposed development
Medium	7 – 12	Proposed development should be approved	Proposed development should be mitigated or mitigation measures should be formulated before it can be approved
High	13 – 18	Point towards a decision to approve the development and with enhancement in final design	Point towards a decision to terminate development proposal or to formulate and perform mitigation to reduce significance level to at least low
Very High	19 – 25 and above	The development should be approved	If mitigation cannot be effectively implemented the development proposal should be terminated

Intensity of impact

- Low
Functions and processes of natural or human origin are not affected and only minor risks may occur;
Factor 1

- **Medium** Natural or heritage environment is affected but functions and processes of natural or human origin can continue though often in an altered manner;
Factor 2
- **High** Natural or heritage environment is affected to the extent that function and processes of natural or human origin will temporarily or permanently cease.
Factor 3.

Nature of impact

Impact of the activity (development) on a heritage resource with indications about its positive and/or negative effects. The statement of significance informs it. The nature of the impact may be historical, aesthetic, social, linguistic, architectural, intrinsic, associational, contextual (visual or non-visual) or a combination of the above.

Probability of the impact

Probability describes the likelihood of the risk actually occurring and is rated as follows:

- **Improbable:** Low possibility of risk to occur either because of design or historic experience
Rating 2
- **Probable:** Prominent possibility that risk will occurring
Rating 3
- **Highly probable:** Most likely that risk will occurring
Rating 4
- **Definite:** Risk will occur regardless of any prevention measures
Rating 5

Recommended management action

For each impact, the recommended practically attainable mitigation actions that would result in a measurable reduction of the impact must be identified. This is expressed according to the following:

- **Avoidance:** Preserve feature at all costs and restore/rehabilitate/enhance it together with interpretation.
- **Mitigation:** Preserve feature if possible, otherwise salvage excavation and/or documentation/recording before demolition/alteration, followed by preserving its memory in design and scale of development.
- **None:** No further action required.

Severity rating

The severity rating is calculated from multiplying the **intensity factor** with the **duration factor**, e.g. $2 \times 3 = 6$

<i>RATING</i>	<i>FACTOR</i>
Low severity: rating = 2	Calculated values 2 - 4
Medium severity: rating = 3	Calculated values 5 - 8
High severity: rating = 4	Calculated values 9 - 12
Very high severity: rating = 5	Calculated values 13 – 16 and more
Severity factors below 3 indicate no risk	