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Ref: POL/POL/Project No.23765

Date; 21st August 2025

Re: Planning Ref 24/60025 - Raised Platform Walkway / Cycleway

Subject: Topographical Survey

Introduction

MWP, on behalf of the NPWS, commissioned Murphy Geospatial Ltd, Unit 21 – Airport East Business Park, Farmers Cross, Cork, T12 T256, to carry out a detailed topographical survey of the site area which encompassed all of the route options for the proposed Dinis to Torc car park walkway/cycleway.

Survey Scope

The purpose of this survey was to provides an accurate representation of the land's surface and notable features thereon to facilitate the planning, engineering assessment, route option and design for the proposed Dinis to Torc car park walkway/cycleway.

The scope of the survey within the defined site area was as follows.

- N71 Road edge and centreline and low walling on lakeside at 10m intervals
- Dinis car park and Torc car parks.
- Trees, hedges and scrub areas
- Rock and boulder features
- Existing walkway trail within survey area.
- Lake shoreline and water level.
- Lakebed level adjacent to shoreline for a distance of 25m beyond shoreline.
- Existing signage.
- Contours at 0.5m intervals.

Survey Methodology

The topographical survey was carried out using a combination of two separate total station systems — one being a Trimble S5 Total station and the other being a scanning Trimble SX10 Total Station. These were further supported utilizing RS12i GPS systems. The hydrographical works was completed via an inflatable dingy and outboard engine launched from the shore and Trimble GPS utilized for collection of data.

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ENGINEERING AND ENVIRONMENTAL CONSULTANTS

Survey Details

The survey was undertaken by Murphy Geospatial during September 2023.

The survey was based on the installed survey control and relate to the Ordnance Survey ITM(15) Grid and Malin Head Datum.

Survey output

The survey output was issued in autocad and pdf formats. (copies attached)

Survey Benefits

The topographical outputs provided MWP with details of spot levels, contours, tree locations, rock features, roadway layout, paths and shoreline position.

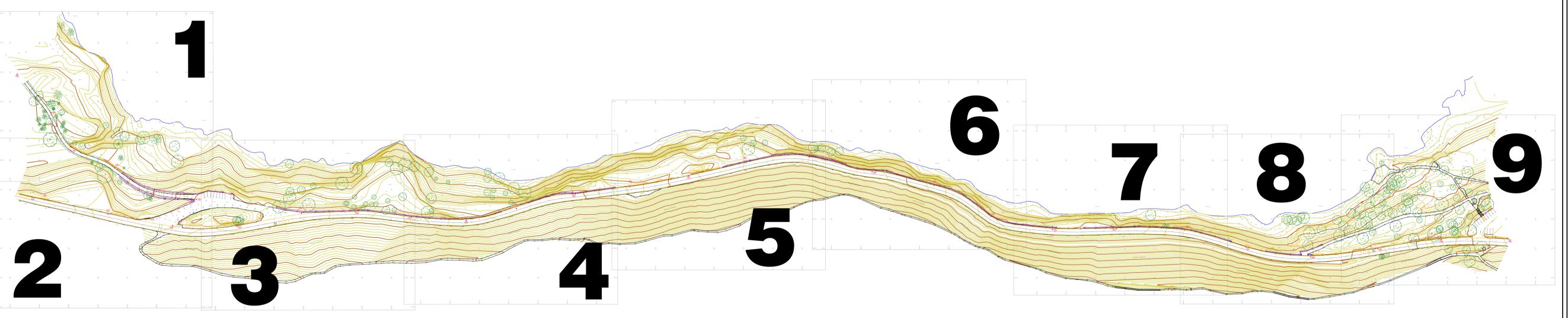
This information was used to assess the various route options and ultimately informed the design principle for the proposed raised platform walkway/cycleway and preferred route option.

An Ariel Drone Survey was made available to MWP. However, this was use purely as a visual overview of the site. It did not provide any engineering technical outputs. Hence the requirement for the topographical survey. A link to the drone footage is included hereunder.

Proposed walk Dinis to Lower Torc.mov

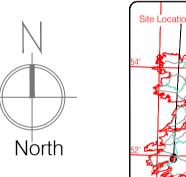
for MWP

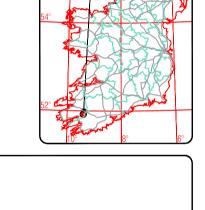


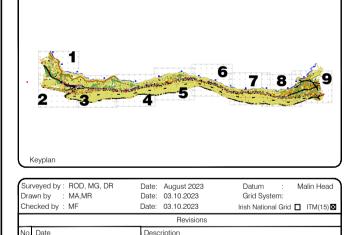




The Client must promptly notify the Company of any errors in mapping of which it becomes aware. If misleading, inaccurate or otherwise inappropriate information is brought to the Company's attention or the Company itself identifies any such imprecision or error in a survey, it shall use its reasonable endeavours to fix or remove it and if necessary in certain instances, the Company being on notice of any such misleading, inaccurate or otherwise inappropriate information, it will re-conduct the survey and reproduce the data to within the specified scale







		Revisions			
No. Date	Description				
0 03.10.2023	First	First drawing			
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Killarney Lakes Greenway – Dinis to Torc

Topographical survey

Drawing MGS52519_T_2D_ITM_Rev0_0

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