

Prepared by

 Name of the entity producing the document
*(Use of company logo permitted, but no larger than ODOT’s)*

Submitted to: *Name of the Division/District or Office*

Date *(month & Year)*

**Conventional Mapping Survey Quality Control Report**

**Location Information (CRS)**
PID XXXXX



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Project Summary

## Purpose

The purpose of this document is to provide the recipient of the data necessary background information to make actionable decisions in use and applicability of the provided data. This includes overall Mapping Survey procedures and accuracy statements made in adherence to the Ohio Department of Transportation Survey and Mapping Specifications.

## Project Summary

### Scope of Data Collection

*In this section provide a description of the intent and overall scope of the project. This section can include a project limits map (vicinity map), and general comments as to the background of the data utilized in generating deliverables (e.g. if multiple datasets were combined into one deliverable).*

*Example*

*Data provided for PID XXXXX was compiled for engineering design use. The DTM utilizes a project specific conventional ground topo collected with a total station occupying primary project control.*



*Figure 1 Areas boxed in red were collected conventionally*

### Datum and Coordinate System

All final deliverables provided are using the following Datums and Coordinate Systems.

#### Vertical

Orthometric Height Datum: *NAVD88*

Geoid Model: *GEOID18*

#### Horizontal

Coordinate System: *Ohio State Plane, (North, South) Zone*

Map Projection: *Lambert Conformal Conic*

Reference Frame: *NAD83 (2011)*

Ellipsoid: *GRS80*

Combined Scale Factor: *1.0000000000*

Project Adjustment Factor: *1.0000000000*

#### Units

All units for delivered files and data are using the US Survey Foot.

#### Data Collection Date(s)

Data was collected on Insert Date(s) Here and only represents the existing conditions of the project site at that time.

*User can incorporate a map/list denoting dates and the areas they captured.*

## Project Accuracy

### Accuracy Statement

This data set was produced to meet ASPRS Positional Accuracy Standards for Digital Geospatial Data (2014) for an Ohio Department of Transportation **(*Insert Vertical Accuracy Class*)** US ft. RMSEZ Vertical Accuracy Class equating to NVA = +/- **(*Insert NVA Value to corresponding Vertical Accuracy Class*)** US ft. at 95% confidence level and VVA = +/- **(*Insert VVA Value to corresponding Vertical Accuracy Class***) US ft. at the 95th percentile and 0.21 US ft. RMSEX / RMSEY Horizontal Accuracy Class which equates to Positional Horizontal Accuracy = +/- 0.51 US ft. at a 95% confidence level.

### Surveyor’s Certification Statement

I, (*Surveyor’s Name*) do hereby certify that the (Geodetic and/or Primary Project Control depending on project path) for (name of project) was constructed and established in accordance with the Ohio Department of Transportation’s Survey and Mapping Specifications, dated (last revision date) for a (Path 1 thru 5) project and meet the accuracy requirements as set forth by these specifications. I also certify that all mapping data collected was conventionally surveyed using means and methods that meet the horizontal and vertical accuracies as set forth in the Survey and Mapping Specifications.

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Signature Date

Surveyor’s Seal

Surveyor’s Printed Name

Registration Number

## Project Notes

This section describes any additional project related information relevant to the future use of the data.

### DTM Notes

*Example:*

* *All subsurface drainage, ditch inverts, or channel inverts require field collection and inclusion into the furnished existing surface model.*
* *Areas with dense brush or heavy vegetation require field collection and inclusion into the existing surface model.*
* *Retaining walls and bridges require field collection and inclusion into the existing surface model.*
* *Voids were created for areas of low confidence*

### Miscellaneous Notes

*Example:*

* *All mapping control was collected using primary project control using a total station.*