

January 16, 2026 OGE Specification Updates

## **Geotechnical Design Manual**

The Table of Contents will be adjusted, if necessary, after acceptance of draft changes.

Many of the changes for this update are small rewordings, additions, and/or deletions for clarification and writing corrections, itemized by Section below:

- 303.3, 2<sup>nd</sup> and 3<sup>rd</sup> paragraphs
- 303.4, 1<sup>st</sup> bullet point
- 502.1.1, last paragraph
- Table 600-3 Heading
- 1005.1, 3<sup>rd</sup> paragraph
- Table 1000-4, first \* below table
- 1202.2, 3<sup>rd</sup> paragraph
- 1203, 11<sup>th</sup> paragraph
- 1302, 1<sup>st</sup> paragraph
- 1302.1.1, 2<sup>nd</sup> paragraph
- 1303.1.1, 1<sup>st</sup> paragraph
- 1303.2.3, 3<sup>rd</sup> to last paragraph
- 1303.3.1, 3<sup>rd</sup> paragraph
- 1303.3.5, 7<sup>th</sup> and 9<sup>th</sup> paragraphs
- Figure 1300-5, Heading
- 1304.1.1, 10<sup>th</sup> paragraph
- 1304.1.3, 2<sup>nd</sup> paragraph
- 1304.3.1, last paragraph
- 1304.3.2, 2<sup>nd</sup> paragraph
- Table 1300-8
- 1401, 1<sup>st</sup> paragraph
- 1403, 3<sup>rd</sup> paragraph
- 1501.1.2, 2<sup>nd</sup> paragraph
- 1501.1.3, 2<sup>nd</sup> paragraph
- 1501.1.4, 3<sup>rd</sup> paragraph
- 1504, 7<sup>th</sup> paragraph
- 1508.1, 2<sup>nd</sup> \* under “Notes to Designer”
- 1601, 1<sup>st</sup> paragraph

The following changes are a little more in-depth and include either new, deleted or changed content:

- 302, 2<sup>nd</sup> and 3<sup>rd</sup> paragraph; added the BDM as a resource, and added additional reporting requirements.
- 303.1, revised the content of the first three paragraphs to reflect our transition from gINT to OpenGround (boring log software).
- 303.1, 4<sup>th</sup> and 8<sup>th</sup> paragraphs, corrected two hyperlinks.
- 303.3, added 3<sup>rd</sup> bullet point regarding inclusion of historical borings in the GP.
- 303.4, added 2<sup>nd</sup> and 3<sup>rd</sup> bullet points to provide direction on how to use and interact with OGE for different boring log software, including OpenGround.
- 504, 1<sup>st</sup> paragraph, added sentence to limit the depth of settlement analysis to less than 10% increase in vertical effective stress.
- 609, added a paragraph to require 18-inch undercut (and Item 204 Embankment replacement) of bedrock, rather than 6-inch, where global chemical stabilization is being performed, so the bedrock does not prohibit the chemical stabilization process.
- 1302.3, new Section (Foundation Design for Scour) to be clear of the design procedure for both hydraulic and geotechnical considerations.
- 1303.1.1, added requirements for bullet point number 2 and added last paragraph for minimum penetration of footings into bedrock.
- 1304.1.1, added 11<sup>th</sup> paragraph (and 3 itemized steps) and 12<sup>th</sup> paragraph for clarity.
- 1304.1.1, adjusted requirements at the end of the second to last paragraph.
- 1305 and 1306, added last paragraphs (in both sections) for modeling of groundwater direction.
- 1306.3.2, revised the example calculation at the end of the Section to match the equation in bullet 1 of 3 which was revised in the 7/19/2024 version.
- 1403, removed  $D_{50, \text{equivalent}}$  design methodology to be consistent with guidance in 1302, which was changed in the previous update. This removed portion was inadvertently left in.
- 1403, added 4<sup>th</sup> paragraph for guidance regarding scour for spread footings on bedrock.
- Figure 1500-3, modified image b to correct the measurement of H to bottom of MSE leveling pad.
- 1504, 4<sup>th</sup> paragraph, modifications made to be consistent with SS840.

## **Specifications for Geotechnical Explorations**

Only changes are minor, in Sections 605.1 added unit RQD/Recovery clarifications; and 703.3 added OpenGround clarifications given our transition to OG.