

APPENDIX E
GEOTECHNICAL TEMPLATE
PLANS

GEOTECHNICAL DESIGN MANUAL

January 2022

APPENDIX E

GEOTECHNICAL TEMPLATE PLANS

E.1 GEOTECHNICAL TEMPLATE DRAWING POLICY

1. Geotechnical Template Drawings are not Standards. Engineering analysis and design is still required prior to completing/using the drawings.
2. Geotechnical Template Drawings are developed by the OES/GDS and are anticipated to be used on multiple projects. OES/GDS will ask for the Director of Engineering Support (DES) for manpower help to perform drawing tasks.
3. If no Geotechnical Template Drawing exists, the GEOR will develop project-specific drawings as required.
4. OES/GDS will coordinate directly with ITS to get template drawings on the SCDOT website. Any moving, updating or changes to existing template drawings or the SCDOT website will be coordinated by the OES/GDS. Please note that this task could take several weeks to a month or more.
5. All Geotechnical Template Drawing numbers will be assigned by OES/GDS and will be based partially on the pay item number that the template most closely relates to. The follow-on numbers will be sequential order. Alpha designations will be used after the follow-on number to indicate that the temple drawings are typically issued concurrently (e.g. 713-01a and 713-01b).
6. Geotechnical Template Drawings will be made available in both .PDF as well as in Microstation formats.
7. The GEOR will be responsible for completing the drawings and for determining the applicability to the specific project. The GEOR is also responsible for recommending and/or providing any of these drawings into the contract documents.
8. The OES/GDS will occasionally solicit the RPG/GDSs for suggestion on additional template drawings.

E.2 EXISTING GEOTECHNICAL TEMPLATE DRAWINGS

The following list contains the currently available Geotechnical Template Plans. Consultants can obtain any of these plans via the SCDOT internet website at:

<https://www.scdot.org/business/geotech.aspx>



Geotechnical Design

SCDOT Geotechnical Design Drawings and Details Master List

Drawing Number:	Posted Date	Description
203-05	04/04/18	Geotechnical General Notes
205-05	04/04/18	Stone Columns
205-10	07/10//10	Earthquake Drains
711-01	04/01/14	LRFD Pile Record
711-02	04/01/14	ASD Pile Record
712-05	03/07/11	Axial Shaft Load Test – XX" Dia. Rapid Load
712-10	03/07/11	Lateral Shaft Load Test – XX" Dia. Rapid Load
712-15	03/07/11	Axial Shaft Load Test – XX" Dia. Bi-Directional
713-01	12/09/20	MSE Wall – Panel Face
713-02	08/17/15	MSE Wall – Block Face
713-03	03/29/18	Flexible Gravity Wall With Block Face for Low Volume Bridge Replacements
801-04	04/04/18	Prefabricated Vertical Drains (PVD)

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