

APPENDIX E
GEOTECHNICAL TEMPLATE
PLANS

GEOTECHNICAL DESIGN MANUAL

January 2019

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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 PCS/GDS and are anticipated to be used on multiple projects. PCS/GDS will ask for the Preconstruction Support Engineer (PCSE) for manpower help to perform drawing tasks.
3. If no Geotechnical Template Drawing exists, the GEOR will develop project-specific drawings as required.
4. PCS/GDS will coordinate with PCS/Design Automation to get template drawings on the SCDOT website. Any moving, updating or changes to existing template drawings or the SCDOT website will require written documentation prior to PCS/Design Automation taking action. PCS/Design Automation will coordinate with ITS to accomplish this task as necessary. Please note that this task could take several weeks to a month or more.
5. All Geotechnical Template Drawing numbers will be assigned by PCS/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 PCS/GDS will occasionally solicit the RPG/GDSs for suggestion on additional template drawings.

E.2 EXSITING GEOTECHINCAL 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>


 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. Statnamic
712-10	03/07/11	Lateral Shaft Load Test – XX" Dia. Statnamic
712-15	03/07/11	Axial Shaft Load Test – XX" Dia. Osterberg Cell
713-01	08/17/15	MSE Wall Notes and Details – Panel Face
713-02	08/17/15	MSE Wall Notes and Details – Block Face
713-03	03/29/18	Flexible Gravity Wall With Block Face for Low Volume Bridge Replacements
801-01	04/04/18	Prefabricated Vertical Drains (PVD)

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