

GEOTECHNICAL STANDARD DRAWINGS & CELLS LIST

(Revised 10/30/09)

When recommending the *Geotechnical Standard Drawings* listed below, do not attach these drawings to the recommendations. Attach all other recommended drawings including those titled the same as the standard drawings but modified for a specific project. When the use of a *Geotechnical Standard Drawings* is recommended, the Central Office will include the sealed standard drawing with the product. Electronic files of standard drawings are not stored on the server with the project files.

Geotechnical Standard Drawings (See Geotechnical Engineering Unit’s website at <http://www.ncdot.org/doh/preconstruct/highway/geotech/formdet/> or the S drive under Shared\Standards\Provisions, Notes & Drawings\.)

Let Date	Drawing Title	Drawing No.	# of Sheets
2/20/07	Standard Temporary Shoring	1801.01	1
2/20/07	Standard Temporary MSE Walls	1801.02	11
7/21/09	Rock Plating Details*	1802.01	1
8/18/09	Standard Gravity Retaining Wall	453.01	1

*(The Rock Plating Details consist of 4 details that are included in the Geotechnical Engineering and Roadway Design Unit’s cell libraries. To use the rock plating details, recommend the use of a detail (Rock Plating Detail Nos. 1 through 4) with the stations including left or right of centerline and an ending slope for each location in the Roadway Foundation Design Recommendations. If any 1 or 2 rock plating details are required, Roadway will include the necessary details and notes on their plans. If any 3 or all 4 rock plating details are required, recommend the use of Geotechnical Standard Drawing No. 1802.01 and the Central Office will delete a detail, if necessary, fill in the riprap type and location information (stations and ending slope) and include the sealed standard drawing with the product.)

Geotechnical Standard Cells for design drawings are available from the cell library, “Geotechnical_Design_English.cel”. Geotechnical cell libraries are accessible through the geotechnical workspace.

Geotechnical Standard Cells (See Geotechnical Engineering Unit’s website at <http://www.ncdot.org/doh/preconstruct/highway/geotech/formdet/> or the S drive under Shared\Standards\Provisions, Notes & Drawings\.)

Date	Cell Name	Cell Description
12/16/08	Border_RDWY_DesignDrawing	Roadway border for geotechnical design drawings
12/16/08	Border_RDWY_StandardDrawing	Roadway border for geotechnical standard drawings
12/16/08	Border_STR_DesignDrawing	Structure border for geotechnical design drawings
12/16/08	Border_STR_StandardDrawing	Structure border for geotechnical standard drawings
7/21/09	Detail_RockPlating	Rock plating details
8/18/09	Wall_Gravity_Standard	Standard gravity wall drawing
2/16/10	Border_StandardCell	Border for geotechnical standard cells

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(Continued)

Geotechnical Standard Cells (Continued)

Date	Cell Name	Cell Description
2/16/10	Wall_Anchored	Anchored wall typical
2/16/10	Wall_Anchored_Notes_ReinforcedWeb	Anchored wall notes & reinforced web details
2/16/10	Wall_MSE_Notes_LevelingPad	MSE wall notes & leveling pad step details
2/16/10	Wall_MSE_Panels_Slope	Non-abutment MSE wall w/ panels and back slope typical & coping details
2/16/10	Wall_MSE_Panels_Surcharge_GR	Non-abutment MSE wall w/ panels, surcharge and guardrail typical & coping details
2/16/10	Wall_MSE_SRWUnits_Slope	Non-critical MSE wall w/ SRW units and back slope typical & coping details
2/16/10	Wall_MSE_SRWUnits_Surcharge_GR	Non-critical MSE wall w/ SRW units, surcharge and guardrail typical & coping details
2/16/10	Wall_PrecastGravity_Slope	Precast gravity wall w/ back slope typical & notes
2/16/10	Wall_PrecastGravity_Surcharge_GR	Precast gravity wall w/ surcharge and guardrail typicals & notes
2/16/10	Wall_SegmentalGravity_Slope	Segmental gravity wall w/ back slope typicals, coping details & notes
2/16/10	Wall_SegmentalGravity_Surcharge_GR	Segmental gravity wall w/ surcharge and guardrail typicals, coping details & notes
2/16/10	Wall_SoilNail	Soil nail wall typical & notes
2/16/10	Wall_SoldierPile	Soldier pile wall typicals & notes