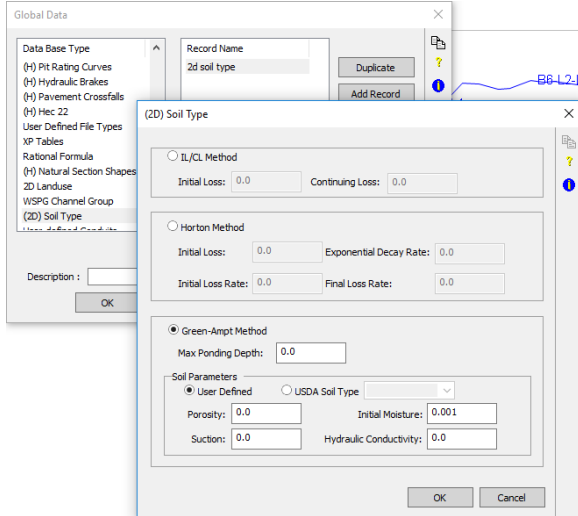


2D Soil Type

2D hydraulic infiltration can be applied to the model, termed *transmission loss*, to differentiate from Infiltration within the Runoff Mode.

This 2D infiltration or transmission loss can be applied to the model using the Green Ampt, Horton, and Initial/continuing loss methodologies. These loss values are applied in **Configuration > Global Data > (2D) Soil Type**.



You may select the transmission loss method to either **Initial/Continuing Loss Method**, **Horton Method**, or **Green-Ampt Method**. If the **Initial and Continuing Loss** method is selected, only the initial and continuing loss must be set, the other input data can be left blank or as default. For the **Horton Method**, provide the initial loss, initial loss rate, exponential decay rate, and final loss rate. For the **Green-Ampt** method, a maximum ponding depth (ft, m) must be set.

The various **Soil Parameters** may be set with user defined **Porosity**, **Suction**, **Initial Moisture**, and **Hydraulic Conductivity**. Standards from the United States Department of Agriculture (USDA) Soil Types may also be used.



[Back to: Help Documentation](#)

Section Pages

- [Buildup and Washoff Data](#)
- [Erosion](#)
- [Groundwater](#)
- [Infiltration](#)
- [Initial Losses](#)
- [Landuse](#)
- [Runoff Pollutants](#)
- [Rainfall](#)
- [Snowmelt](#)
- [Sanitary Pollutant](#)
- [Sewer Dry Weather Flow](#)
- [Sewer Infiltration](#)
- [Waste Stream Temperature](#)
- [Temporal Variation](#)
- [Pump Rating Curve Global Data](#)
- [Pit Rating Curve](#)
- [Hydraulic Brakes](#)
- [Pavement Crossfalls](#)
- [HEC-12 and HEC-22](#)
- [User Defined File Type Global Data](#)
- [XP Tables Global Data](#)
- [Rational Formula](#)
- [Natural Section Shapes](#)
- [2D Soil Type](#)
- [2D Landuses](#)
- [User-defined Conduits](#)
- [Bridge Section Shapes](#)
- [LID - WSUD](#)
- [User Hazard Classifications](#)
- [User Hazard Values](#)
- [Rainfall Derived Inflow and Infiltration - RDII](#)
- [ARR Storm Generator](#)