

## Workflow 4: Manual Inputs

1. In the Shrink/Swell Factor Summary table on the left, input the shrink/swell factors with their associated station ranges in the yellow columns.

Shrink/Swell Factor Summary		
Begin Station	End Station	Factor
50+00	52+00	0.9
52+00	60+00	1.2

Fig. 12-14: Shrink/Swell Data Input

2. In the Various Backfill Material Generated Onsite table on the right, place an 'x' in the row of any backfill material that is expected to be generated from onsite excavation.

Various Backfill Material Generated Onsite		
Place an 'x' in the row for any backfill material that is expected to be generated from onsite excavation.		
If the material below is expected to be imported because there is not any material from onsite that will meet the material quality requirements, leave the row blank.		
.....Verify with Geotech and Materials.....		
Backfill Type	Typical Uses	Generated from Onsite Material?
Wall Backfill	MSE Wall, SMSE Wall, Rockery, Concrete Retaining Wall (fill)	x
Foundation Fill	MSE Wall, SMSE Wall, Rockery, Concrete Cut Wall, Concrete Retaining Wall (fill)	x

Fig. 12-15: Various Backfill Material Onsite