Survey Processing Checklist

1. Transfer the Mx Triangles into the E-MX-Terrian-Transfer.dgn

[ ]  use correct seed file – ***NH\_SeedORD\_Design***

[ ] use Default3d model

[ ]  use correct Feature Definition ***– NH\_Exist\_Boundary***

1. Transfer MX Trav Model into **12345-MX-*Trav-Transfer***

[ ]  use correct seed file - ***NH\_Transfers\_Survey\_SeedORD\_INTF***

[ ]  Set Temporary dgnlib AC Features

[ ]  Import trav model

 Assign a Feature Definition – Trav Station

 Import as 3d Graphics Only

[ ]  fix geographic coordinates

[ ]  create fieldbook

[ ]  import from current graphics

[ ]  attach ALI.dgn from SS4 project

[ ]  fix point name for traverse points and add code PTRV

[ ]  report on traverse points, save file as .xlsx

[ ]  take .xlsx and save as .csv file

1. Transfer Topo Model

[ ]  Use correct seed file - ***NH\_Transfers\_Survey\_SeedORD\_INTF***

[ ]  Set Temporary dgnlib AC Features

[ ]  import the topo model

 Assign Feature Definition from Table – Imort-Map-MX-Genio-Survey-AC.xlsx

 Import as 3d Graphics Only

 DO NOT INCLUDE FROM POINT LIST – PBRK AND SWAMP SYMBOL

[ ]  Fix geographic coordinates

[ ]  fix drainage pipe nulls

[ ]  fix linear feature nulls

[ ]  fix point feature nulls

[ ]  Create Fieldbook

[ ]  Import from current graphics

[ ]  Export to Bentley Survey Format

 Give name 12345-survey

1. Create Survey Drawing

**For Converting from MX to Survey**

[ ]  Use the correct seed file – ***NH\_Survey\_Seed\_3D***

[ ]  import trav.csv file

 Import *File Using Text Import Wizard*

[ ]  Import Bentley Survey Format from above

[ ]  Attach source data

[ ]  set the Terrain Model Attributes for Point and Linear Features

 This will generate a terrain model in the survey dgn

 Turn the triangles on

[ ]  attach reference file from above that has MX-terrain

 Turn the triangles on

[ ]  Compare triangles between the two terrain models

 The models will be different – may have to turn off some point features in the survey dgn

 All the linear features which the null elevations were fixed will be different.

[ ]  Attach source data

1. Create Text drawing

[ ]  open 12345etxt drawing and attach the 12345txt from the SS4 project

[ ]  merge into master

[ ]  run macros to set levels, lines, cell, and text

 Not all text gets converted. You will have to do some by hand.

[ ]  Attach source data

1. Create 12345-E-FieldCheck drawing

[ ]  use correct seed file – ***NH\_SeedORD\_Design***

[ ]  Attach 12345exf drawing from the SS4 project

[ ]  Merge into master

[ ]  run macros to set levels, lines, cell, and text

Not all text gets converted. You will have to do some by hand.

[ ]  drape any linear feature that you want to be seen on the xsections

[ ]  attach source data

[ ]  open etxt from above and attach E-fieldcheck.

[ ]  copy all text from FieldCheck to etxt drawing.

1. Extract Drainage

[ ]  Open the 12345-E-Drainage.dgn

[ ]  attach survey.dgn

[ ]  extract nodes

[ ]  extract conduits

[ ]  fix conduit nodes

[ ]  attach 12345etxt.dgn

 Only have the pipe text on

[ ]  each pipe needs to have the material and size fixed

1. Extract Utilities

[ ]  Open the 12345-E-Utilities.dgn

[ ]  attach survey.dgn

[ ]  extract nodes

[ ]  extract conduits

[ ]  Fix conduit nodes

1. Turn off Survey levels using Global Display

[ ]  Open the 12345-Survey.dgn

[ ]  shut off levels for: L strings, pipes, structures, underground utilities, Survey Terrain model, any top of features, and any spot elevation points.