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.