



NHDOT CAD/D Connect Documentation

OpenRoads Drawings

File Type	Name Format	Description	Reference Attachments		
			Model to Ref	Reference Description	Logical Name
Combined	Combined	Empty drawing containing reference attachments to the Projects Existing drawings. Used to reference all existing drawings with a single attachment – Used in ORD – Live Nest = 1	--		
Detail	12345-E-Detail	Contains Linear and Point Features – Linear features are Civil. Point features are Graphical (Microstation Cells)	Default-3D	Linear and Point Features	-e-det
Drainage & Utilities	12345-E-Drainage	Drainage & Utilities - Exist. Drainage Detail Extracted from the Survey dgn	Default	Existing Drainage	-e-drn
ENV Features	12345-E-ENV	Copied ENV MicroStation lines converted to linear features for Cross Section labels	Default	Environmental Delineation	-e-env
Detail	12345-E-FieldCheck	Linear and Point features draped on Existing Terrain. Text should be brought to 12345etxt	Default	Field trip information	-e-fc
ROW Features	12345-E-ROW-Lines	Copied ERL MicroStation lines converted to linear features for Cross Section labeling	Default	Existing Right-of-Way	-e-row
Drainage & Utilities	12345-E-Utilities	Drainage & Utilities – Misc Point and Utility Features Extracted/Created from Survey. This drawing is scanned to create cross section Detail.	Default	Existing Generic Points	-e-gen



NHDOT CAD/D Connect Documentation

OpenRoads Survey Drawings

File Type	Name Format	Description	Reference Attachments		
			Model to Ref	Reference Description	Logical Name
Survey	12345-Survey	In survey directory - For Survey Processing will have the Terrain included	Default-3D	Survey	-sur
Survey	12345-Geom-PP	In survey directory – Plan Prep Alignments	Default	Geometry	-gpp
Terrain	12345-E-Terrain	Any combined terrain model	Default-3D	Combined Terrain	-e-ter
Survey	12345-E-MX-Trav	For Survey Transfer from MX – Traverse	Default-3D	Traverse from MX	
Survey	12345-E-MX-Terrain	In survey directory - For Survey transfer from MX	Default-3D	Terrain from MX	
Survey	12345-E-MX-Survey-Topo	For Survey Transfer from MX – Linear and Points are civil features.	Default-3D	Linear and Points Features	
Survey	12345-E-MX-Survey-Points	For Survey Transfer from MX – used on older projects. Should not be used on new projects.	Default-3D	Point Detail Features	-e-pts
Survey	12345-E-MX-Survey-Linear	For Survey Transfer from MX – used on older projects. Should not be used on new projects.	Default-3D	Linear Detail Features	-e-lin



NHDOT CAD/D Connect Documentation

OpenRoads Preliminary Design Drawings

File Type	Name Format	Description	Reference Attachments		
			Model to Ref	Reference Description	Logical Name
Layout	12345_Layout	Create reference lines for pavement and lane tapers, linked existing ep's, traced drive edges, or any other lines created for point controls	Default	Prop Layout	-p-lay
EarthWork	12345-EarthWork	Create closed shapes to clip terrains and apply Surface templates for exist material like Pavement, Muck, Rock, Topsoil, Unsuitable material for Sections and quantities	Default	Earthwork Modeling	-ear
Geometry	12345-Geometry	OpenRoads Alignments to show on plans.	Default	Geometry	-geo
Corridor	12345-P-Corridor	Corridors, Civil Cells, and possibly Drives. It may be necessary to develop corridors in separate drawings.	Default-3D	Prop Corridor	-p-cor
Drainage & Utilities	12345-P-Drainage	Drainage & Utilities - Proposed Drainage information	Default	Prop Drainage	-p-drn
Drives	12345-P-Drives	Driveway CL, civil cells, and corridors - small Side Roads also	Default-3D	Prop Driveways	-p-drv
ROW Features	12345-P-ROW	Proposed ROW lines and Labels	Default	Prop ROW	-p-row
Supers	12345-P-SuperElevations	SuperElevation Sections and Lanes – can create separate for each corridor	--	Prop Superelevations	-p-sup



NHDOT CAD/D Connect Documentation

File Type	Name Format	Description	Reference Attachments		
			Model to Ref	Reference Description	Logical Name
Drainage & Utilities	12345-P-Utilities	Drainage & Utilities - Proposed Utility information – Can create separate for each Utility	Default	Prop Utilities	-p-util
Proposed Terrain	12345-P-Terrain	Construction Surfaces - Design and Subgrade for Sections and export to LandXML	--	Prop Terrain	-p-ter
Composite Terrain	12345-Composite-Terrain	Composite terrain - Design merged with Existing terrain. Can be used with Proposed Drainage & Utilities drawings.	--		
Cross-Section Detail	12345-XS-Detail	Cross-section Detail Ticks in plan view used for annotating cross section drawings. Use a separate drawing for each Alignment	--	XS Detail	-xs-de
Sections	12345-XSections	Cross Sections – Live Link 3D models	--		