



NHDOT CAD/D Connect Documentation

## OpenRoads Drawings

File Type	Name Format	Description	Reference Attachments		
			Model to Ref	Reference Description	Logical Name
Combined	<b>Combined</b>	Empty drawing containing reference attachments to the Projects <b>Existing</b> drawings. Used to reference all existing drawings with a single attachment – Used in ORD – Live Nest = 1	--		
Detail	<b>12345-E-Detail</b>	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	<b>12345-E-Drainage</b>	Drainage & Utilities - Exist. Drainage Detail Extracted from the Survey dgn	Default	Existing Drainage	-e-drn
ENV Features	<b>12345-E-ENV</b>	Copied ENV MicroStation lines converted to linear features for Cross Section labels	Default	Environmental Delineation	-e-env
Detail	<b>12345-E-FieldCheck</b>	Linear and Point features draped on Existing Terrain. Text should be brought to 12345etxt	Default	Field trip information	-e-fc
ROW Features	<b>12345-E-ROW-Lines</b>	Copied ERL MicroStation lines converted to linear features for Cross Section labeling	Default	Existing Right-of-Way	-e-row
Drainage & Utilities	<b>12345-E-Utilities</b>	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-utl



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## OpenRoads Survey Drawings

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



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## OpenRoads Preliminary Design Drawings

File Type	Name Format	Description	Reference Attachments		
			Model to Ref	Reference Description	Logical Name
Layout	<b>12345_Layout</b>	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	<b>12345-EarthWork</b>	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	<b>12345-Geometry</b>	OpenRoads Alignments to show on plans.	Default	Geometry	-geo
Corridor	<b>12345-P-Corridor</b>	Corridors, Civil Cells, and possibly Drives. It may be necessary to develop corridors in separate drawings.	Default-3D	Prop Corridor	-p-cor
Drainage & Utilities	<b>12345-P-Drainage</b>	Drainage & Utilities - Proposed Drainage information	Default	Prop Drainage	-p-drn
Drives	<b>12345-P-Drives</b>	Driveway CL, civil cells, and corridors - small Side Roads also	Default-3D	Prop Driveways	-p-drv
ROW Features	<b>12345-P-ROW</b>	Proposed ROW lines and Labels	Default	Prop ROW	-p-row
Supers	<b>12345-P-SuperElevation</b>	SuperElevation Sections and Lanes – can create separate for each corridor	--	Prop Superelevations	-p-sup



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File Type	Name Format	Description	Reference Attachments		
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Drainage & Utilities	<b>12345-P-Utilities</b>	Drainage & Utilities - Proposed Utility information – Can create separate for each Utility	Default	Prop Utilities	-p-util
Proposed Terrain	<b>12345-P-Terrain</b>	Construction Surfaces - Design and Subgrade for Sections and export to LandXML	--	Prop Terrain	-p-ter
Composite Terrain	<b>12345-Composite-Terrain</b>	Composite terrain - Design merged with Existing terrain. Can be used with Proposed Drainage & Utilities drawings.	--		
Cross-Section Detail	<b>12345-XS-Detail</b>	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	<b>12345-XSections</b>	Cross Sections – Live Link 3D models	--		