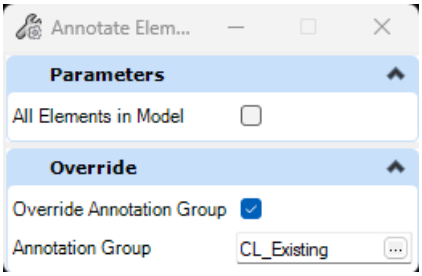
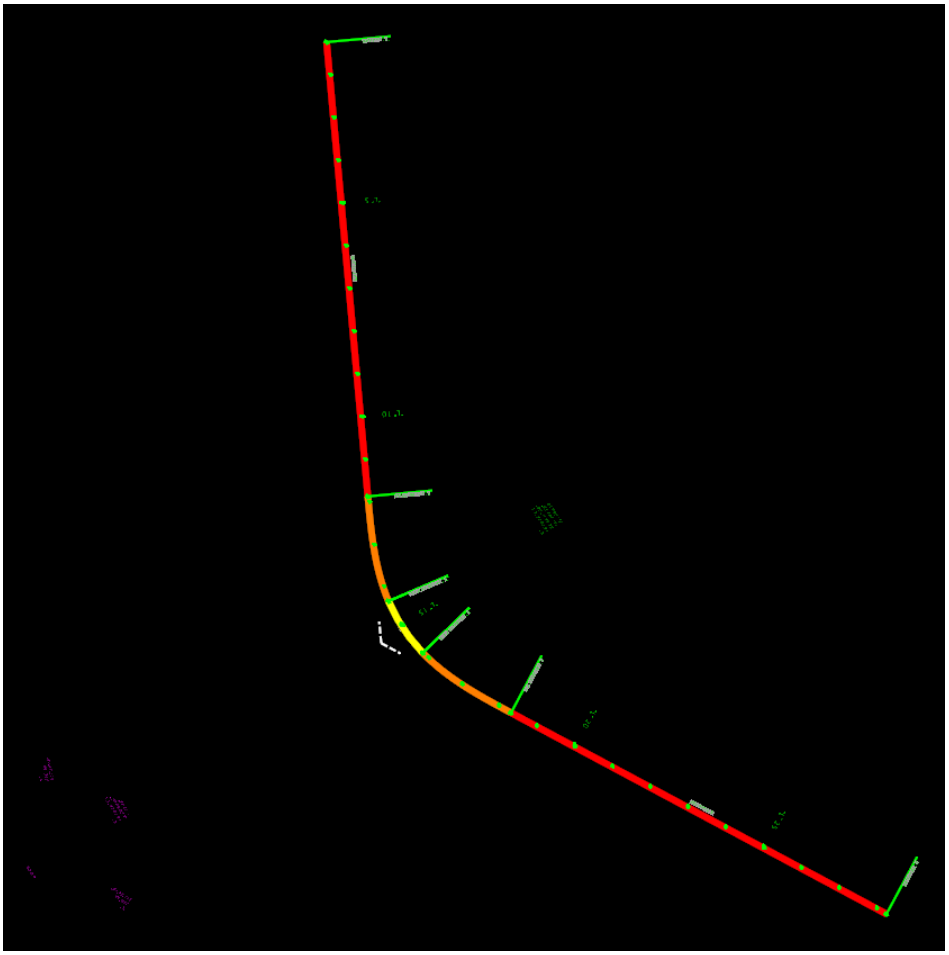
RW CL in Annotation DGN File for Plans

A located RW centerline using a feature definition of RW_CL_Prim cannot be distinguished from a proposed centerline that uses CL_Main. That creates a problem when both are attached as references to create a construction plan. The right of way centerline must be expressed graphically as a “existing CL” using OpenSite or OpenRoads Designer. One method for accomplishing that is to use an Annotation DGN file.

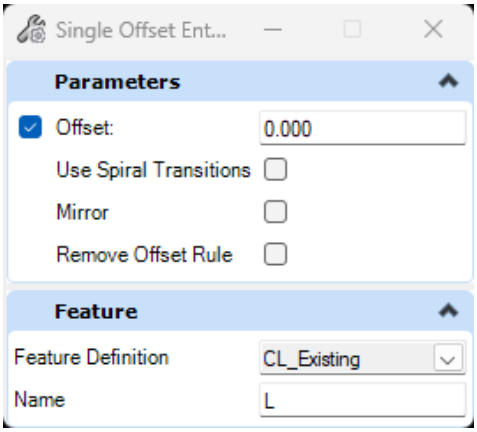
1. Create a new file from a 2D seed to hold the annotation. (R_K#####_ANNO_XXX_pub_##.dgn)
2. Attach a reference to the existing RW centerline geometry. (S_K#####_GEOM_rw_bas_CF_##.dgn, Live Nesting, Depth = 1 to see the GEOM_erw_pub file)
3. Set the Annotation Scale to the intended print scale.
4. Annotate the RW centerline geometry with the Override Annotation Group toggled on and select Plan>Linear>Align>CL_Existing, as shown below. **[OpenSite/Roads Modeling>Drawing Production>Annotations>Element Annotation>Annotate Element]**



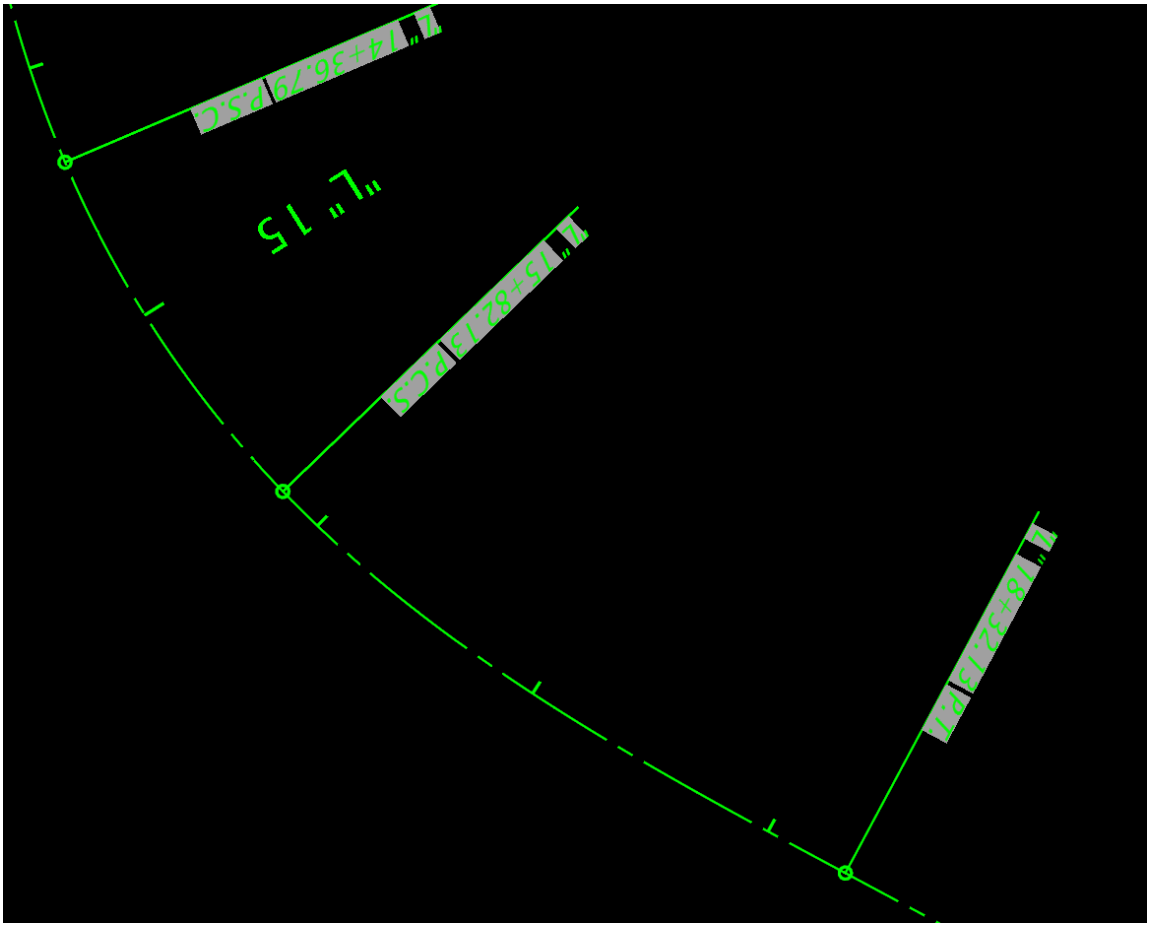
5. Adjust the level display to show only the P_RW_ALIGN_Prim level in the attached reference. Toggle off the “small scale” stationing in the active file if intended for larger scale plans. Select and move unneeded curve data out of the project area, as shown below.



6. Create a zero offset alignment named L that uses the CL_Existing feature definition, as shown below. **[OpenSite/Roads Modeling>Geometry>Horizontal>Offsets and Tapers>Single Offset Entire Element]**



7. Select the referenced geometry and accept the offset. Geometry will be displayed on the in the annotation file, directly over the top of the existing RW centerline. Adjust the level display to toggle off all levels from the RW reference attachment.



This annotation file can be attached as a reference to a CAD base file for appearing as the existing RW centerline in your general construction plans.