# Level Names for Design

## Alignment (Stationing) Annotation Levels (E_SURV_ALIGN and P_RDWY_ALIGN): _ALIGNSmScl

The alignment annotation for all scales is placed at the same time. 100' stationing is placed on a separate level (_ALIGNSmScl) from the 500' stationing that is used at 1"=100' and 1"=200' scales. This allows the "small scale" level to be toggled off when the only 500' stationing is required.

## Design Levels: D_XXXX_Xxxx

A group of levels was created to support design activities using OpenRoads Designer. The naming convention is **D_XXXX_Xxxx**. The first letter, D, represents the "Design" group of levels. The second grouping is an abbreviation for the tool or type of element that uses the level: AQUAPL = Aquaplaning tool, CORR = Corridor Modeling, MESH = Mesh elements, SIGHT = Sight tool, TERR = Terrain element. A table with a larger list with descriptions is at the bottom of this document.

## Existing Levels

The level named E_SURV_PT_Locator is used to display a cell as a locator of survey data points.

## Proposed Levels

The Drainage & Utilities module required several new levels and Hydraulics chose: P_HY_DRAIN_GradeFixedTie, P_HY_DRAIN_LowPoint, P_HY_DRAIN_Pond, and P_HY_DRAIN_Trace. Levels have also been added for terrain triangle display to provide level separation: P_TERR_DSPLAY_Boundary_1-7, P_TERR_DSPLAY_Triangles_1-7, and P_TERR_DSPLAY_Parent.

## Sheet Levels

Lastly, a group of levels was required for producing sheets using named boundaries; the naming convention for sheets begins with S_. The sheet levels are included at the top of the table below.

| Level Name | Description |
|---|---|
| S_EXTG_ROW | Sheet Existing right of way |
| S_NamedBoundary | Sheet Named Boundary |
| S_PLAN_Grid | Sheet Plan grid |
| S_PLAN_GridTx | Sheet Plan grid text |
| S_PROP_ROW | Sheet Proposed right of way |
| D_AQUAPL_Xxxx | Aquaplaning tools: flowline, type of risk, surface |
| D_CORR__Xxxx | Design Corridor tools: boundary, pointcontrol, keystation |
| D_MESH__Xxxx and D_MESH_VOL_Xxxx | Design Mesh: surface types and volume types |
| D_SIGHT_Xxxx | Design Sight analysis tools |
| D_TERR_Xxxx | Design Terrain surface material |
| D_XSEC_Xxxxx | Design cross section component display |
| P_TERR_DSPLAY_Xxxx | Terrain display: boundary, triangles, parent |

*Table 1. Level Names and Descriptions*