

InRoads Storm & Sanitary Updates

Patrick Evans, P.E.

Sr. Advisory Pre-Sales Tech Support Rep

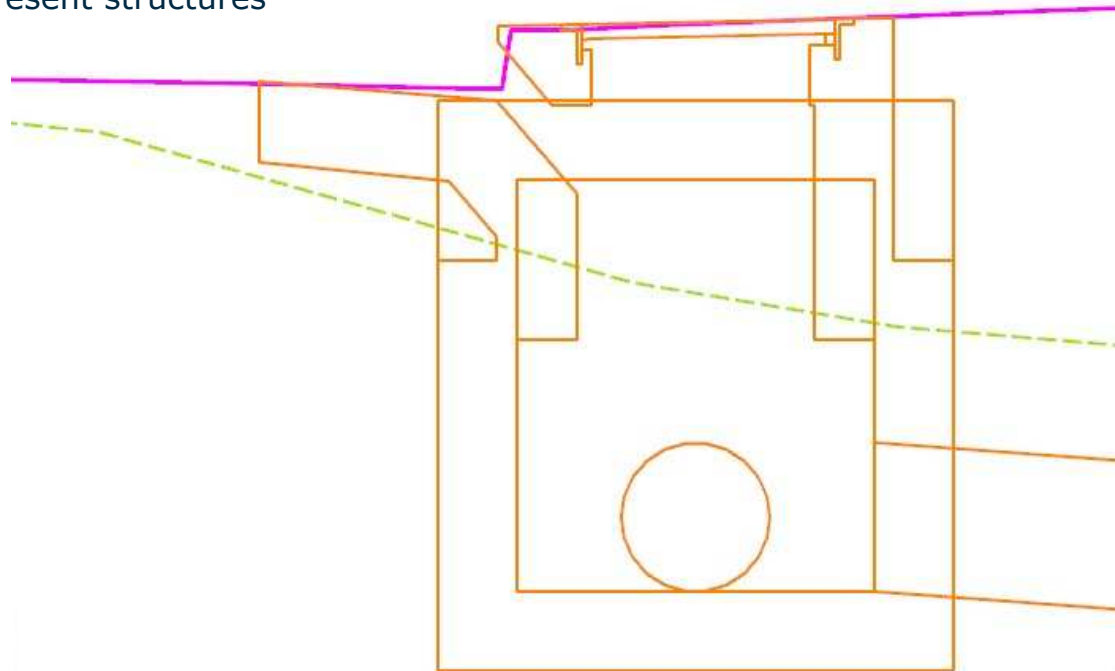


InRoads reads S&S files!

- Storm & Sanitary files are InRoads-readable
 - No S&S license required
- Display and Plans Production functions
 - Plan/3D Drainage Display and Notes
 - Cross Section Display and Notes
 - Profile Notes

Cross Sections See Drainage

- Storm & Sanitary are integrated into Cross Sections
 - Similar to Features w/ bandwidth
 - Cells can be used to represent structures



InRoads Survey to Drainage

- Streamlined data flow from Survey to Storm&Sanitary
- Part of InRoads Survey

Survey Data To Drainage

Name: Default

Description:

Structure: Inlet

OK

Cancel

Preferences...

Help

Attribute Mapping:

Key	Map	Use
Inlet	IN	
ID	ID	IN.ID
Description	Desc	IN.Desc
Class	Class	IN.Class
Type	Type	IN.Type
Length	L	IN.L
Width	W	IN.W

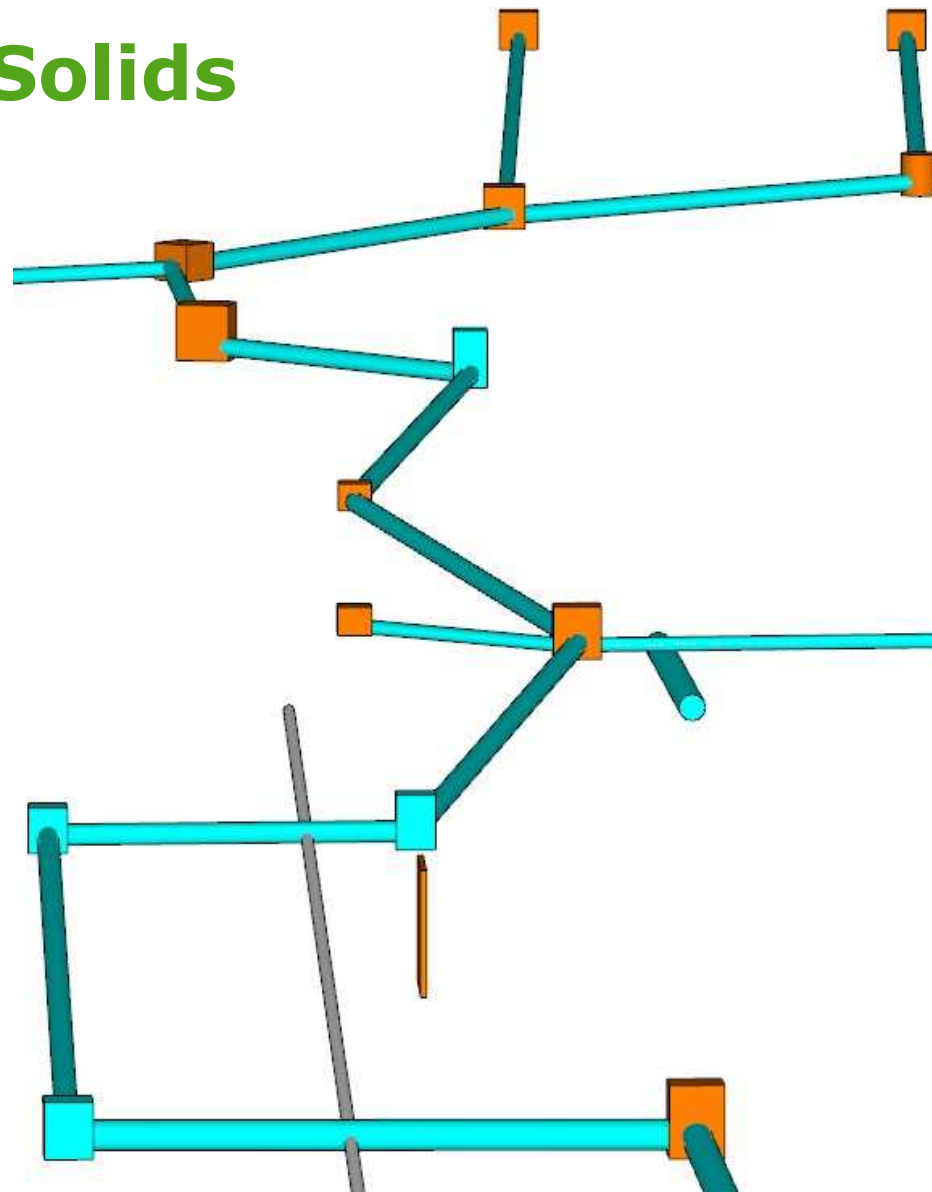
Style Mapping

Available Styles:

Mapped Styles:

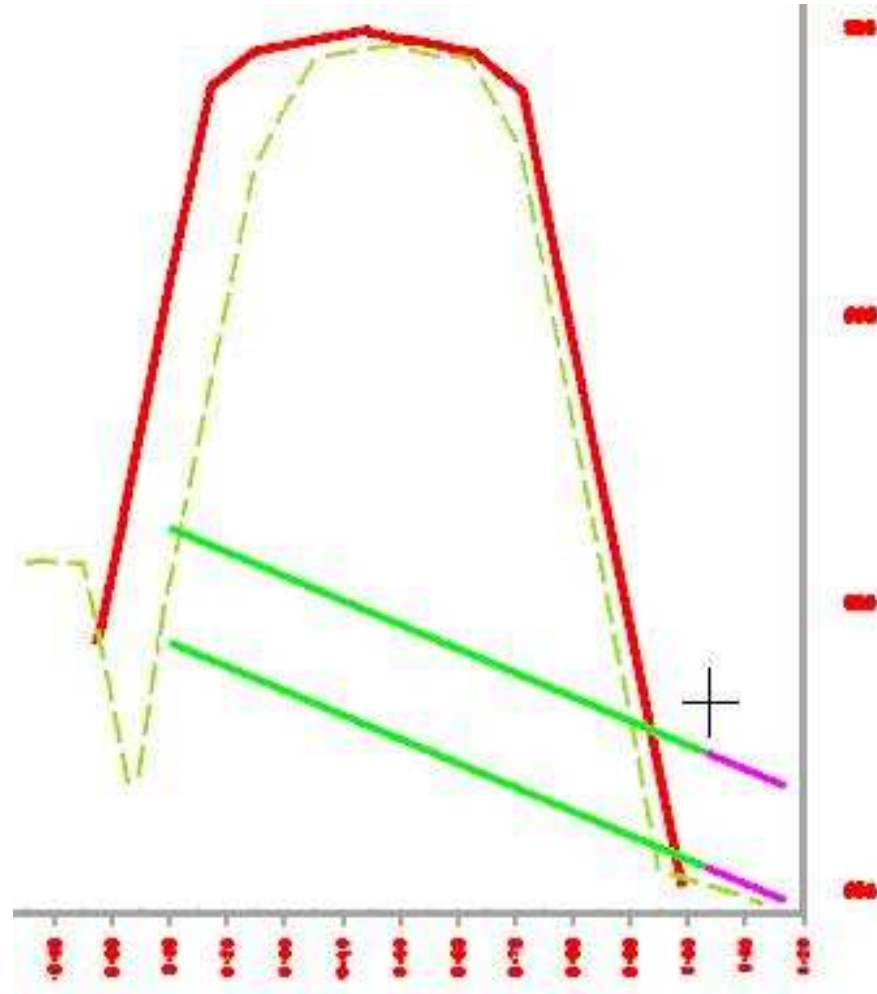
View Drainage as Solids

- Smart Solids!
- Visual Collision Detection
- Introduced in v8.9 SP1
- Improved in v8.11
- Application Add-in



Extend Pipe and Channel in Profile

- “Extend Culvert” now works for pipes and channels



Interface and Workflow Streamlined

- Laying Out and Editing Drainage Structures have always been a streamlined intuitive workflow, fully-integrated with the CAD and InRoads environments
- Recent Release continue making adds and edits faster and more intuitive

Improvements to dialogs

- Layout > Pipe: Locate Buttons for Invert In and Invert Out
- Edit/Review
 - Locate Buttons for Inverts, Rims and Pipe Slopes, Gutter Slopes
 - Styles tab has additional feedback

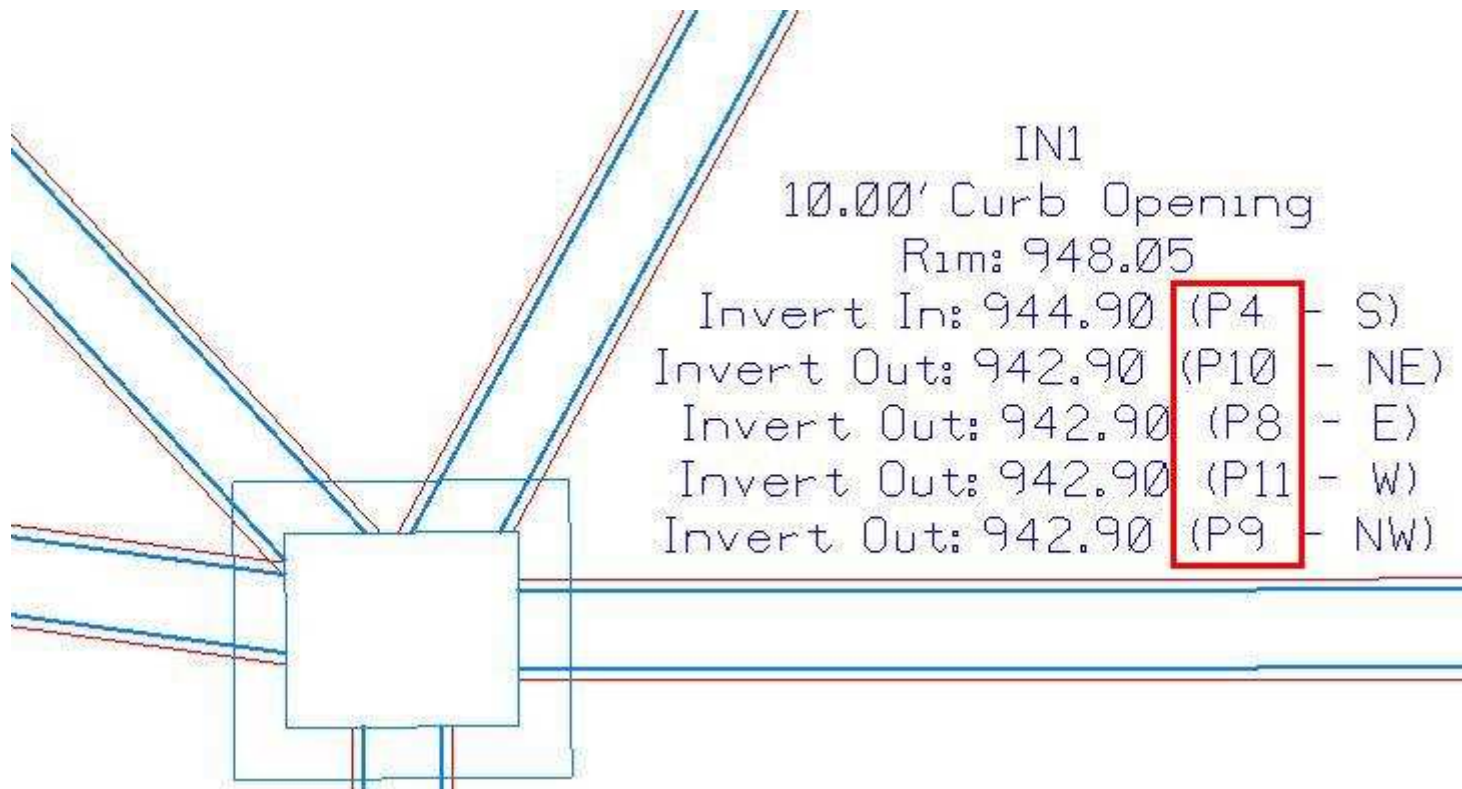
Edit Utility Points

- Added the ability to edit S&S Utility points
- Similar to Surface Edit Feature Point command
- “Report” button launches a report on Utility vertices’ XYZ and segments’ length and slope

The screenshot shows the 'Edit/Review Utility' dialog box. The 'Utility' tab is selected. The 'Utility ID' is 'U3'. The 'Utility Name' is 'ExWater'. The 'Feature Style' is 'WATER LINE'. The 'Shape' is 'Circle'. The 'Width' is '12.00' and the 'Height' is '12.00'. The 'Stored Elevation' is set to 'Bottom'. The 'Point' section shows 'Point 1 of 3' with 'Center View' unchecked. The 'Northing' is '2026201.63', 'Easting' is '2052938.30', and 'Elevation' is '939.00'. The 'Back' and 'Ahead' sections show segment details: 'Back' Length: 0.00, Direction: N 0°00'00" E, Slope: 0.00%, Elevation: ; 'Ahead' Length: 35.90, Direction: N 76°27'07" E, Slope: 0.00%, Elevation: 939.00. Buttons for 'New Style...', 'Report...', 'Help', 'Apply', and 'Close' are visible.

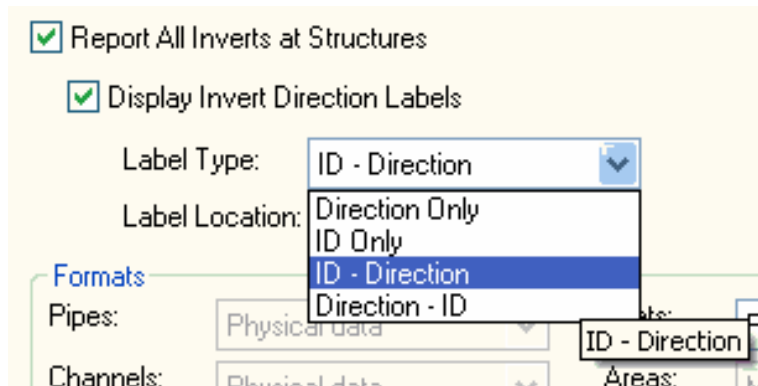
Pipe ID Annotation

- Plan and Profile Annotation can now label attached Pipes' ID at junctions



Report Improvements

- New data available for Reports
 - Upstream and Downstream stations for ends of
 - Pipes
 - Culverts
 - Channels
 - All Pipe Names at Manholes and Inlets



IN41	950.49	(N - P75)
IN43	949.96	(N - P78)
	949.69	(E - P76)
	949.69	(W - P100)
IN45	948.86	(W - P81)
IN46	948.58	(NE - P80)
	948.56	(SW - P82)

Questions?