

Project Explorer 的介绍及应用

Introduction and application of Project Explorer

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Product Owner

议程

Agenda

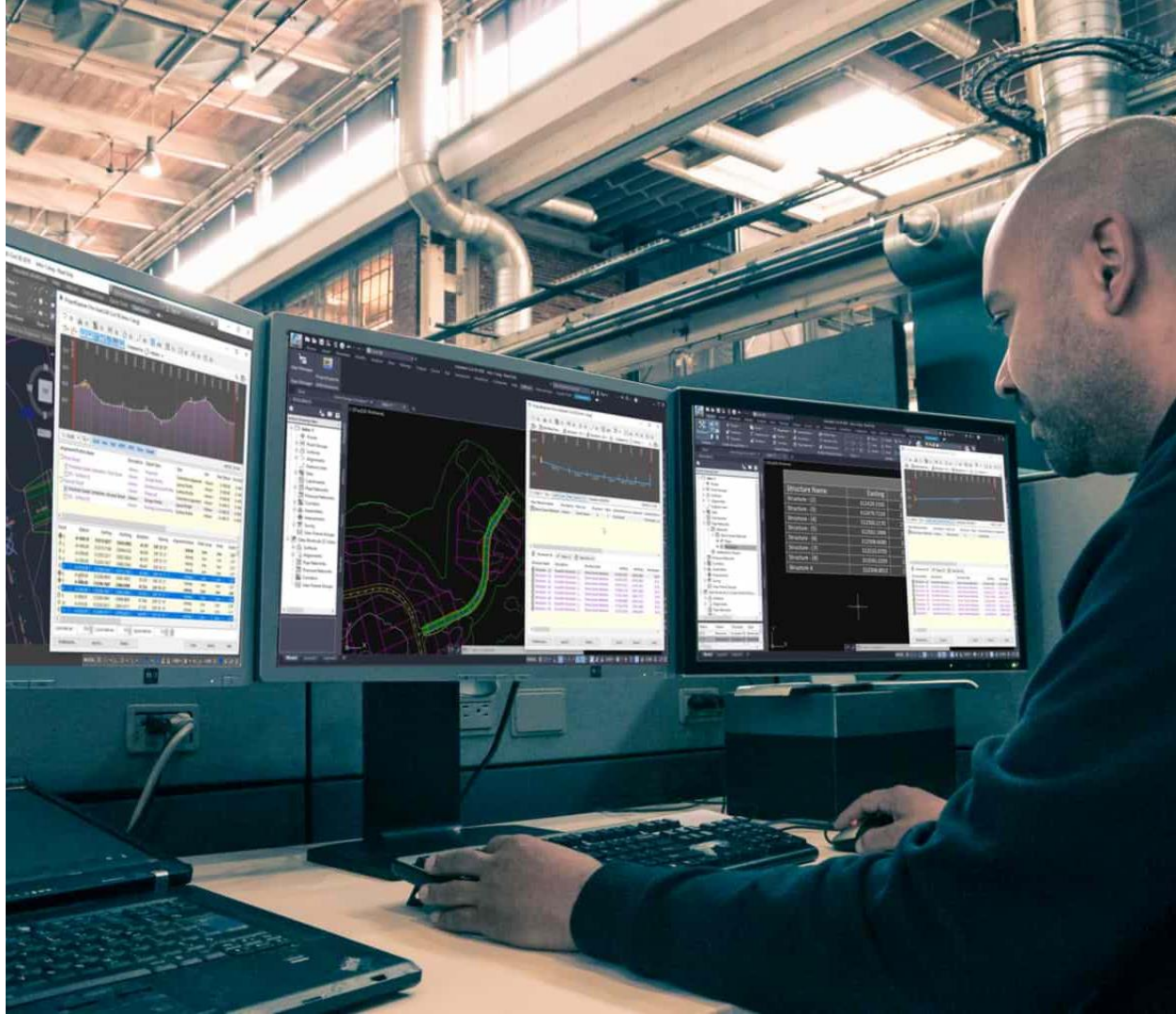
- Project Explorer的背景(Background)
- Project Explorer的应用场景(Use Case/Scenarios)
- Project Explorer的功能介绍及基本使用(Features Introduction)
- Project Explorer的更新计划和内容(Roadmap/Future Vision)

背景

Background

2020年5月11日，**Autodesk**宣布从**3AM Solutions (UK) Limited** 收购 **ProjectExplorer for Autodesk®Civil 3D® (ProjectExplorer)**。
(**3AM Solutions (UK) Limited**是一家总部位于英国的私营技术公司)

On May 11, 2020, Autodesk announced the acquisition of ProjectExplorer for Autodesk® Civil 3D® (ProjectExplorer) from 3AM Solutions (UK) Limited, a UK-based privately-owned technology company.



使用场景

Use Cases/ Scenarios



为不能快速找到对象而苦恼?
How can we quickly find the objects?

为打开多窗口查看信息而无奈?
Be tired of switching between several
dialogs for setting one parameter?



方便快捷的查找和修改方式
Quick and smart way to find and
edit info

一目了然的显示结构
Obvious structure



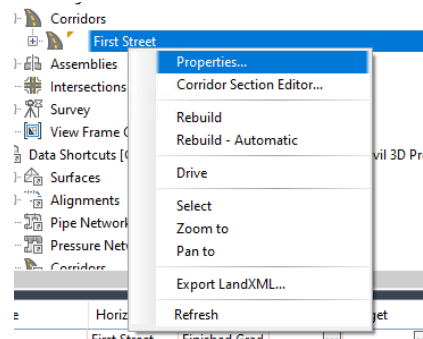
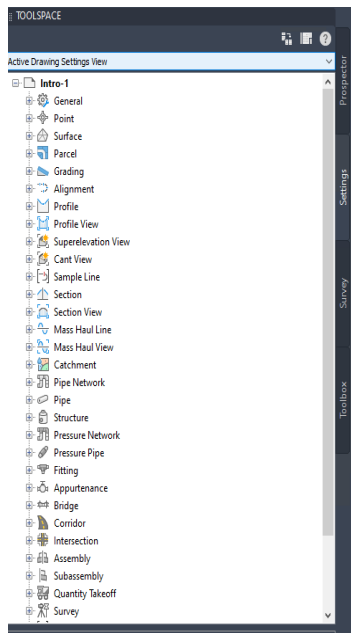
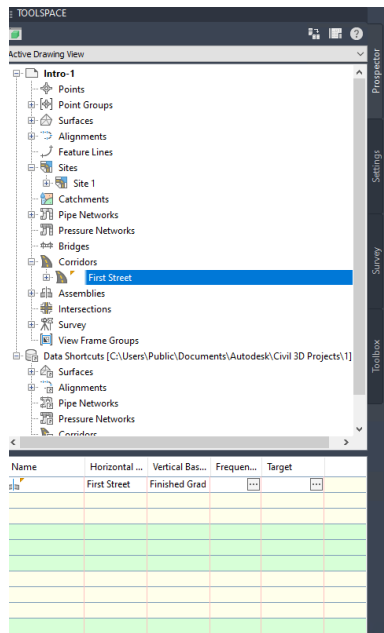
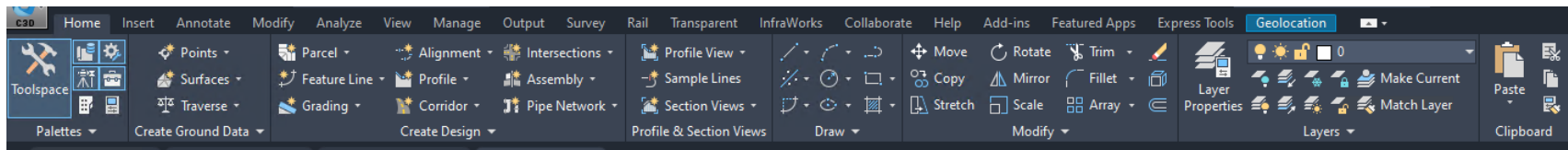
快速导出报表
Quick reports

灵活的报表功能前置配置
Preconfiguration of report style

快速批量产生报表
Batch report

使用场景

Use Cases/ Scenarios



功能介绍及基本使用

Features Introduction



设计

Easy way to design



报表

User-configurable
report



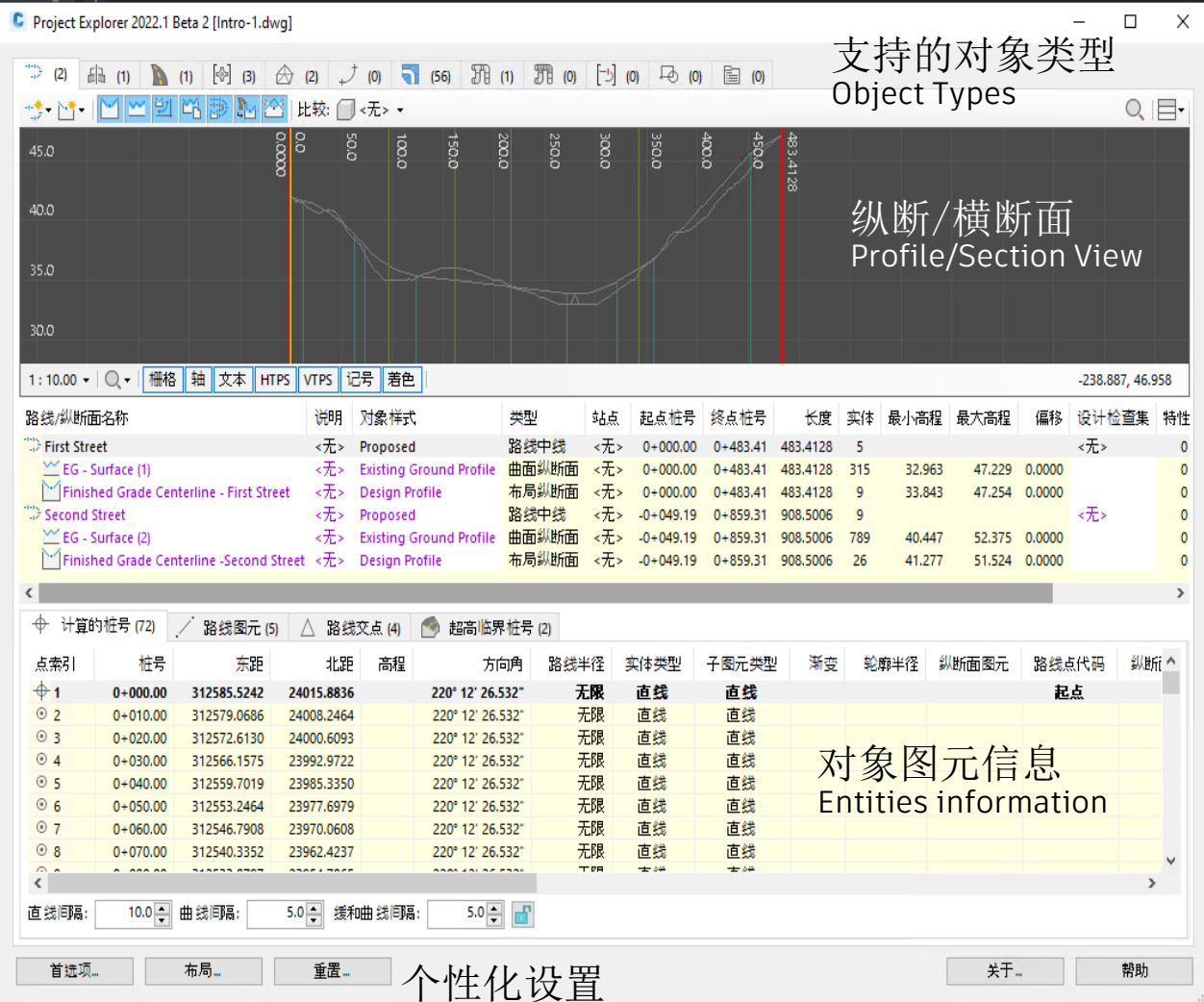
个性化布局

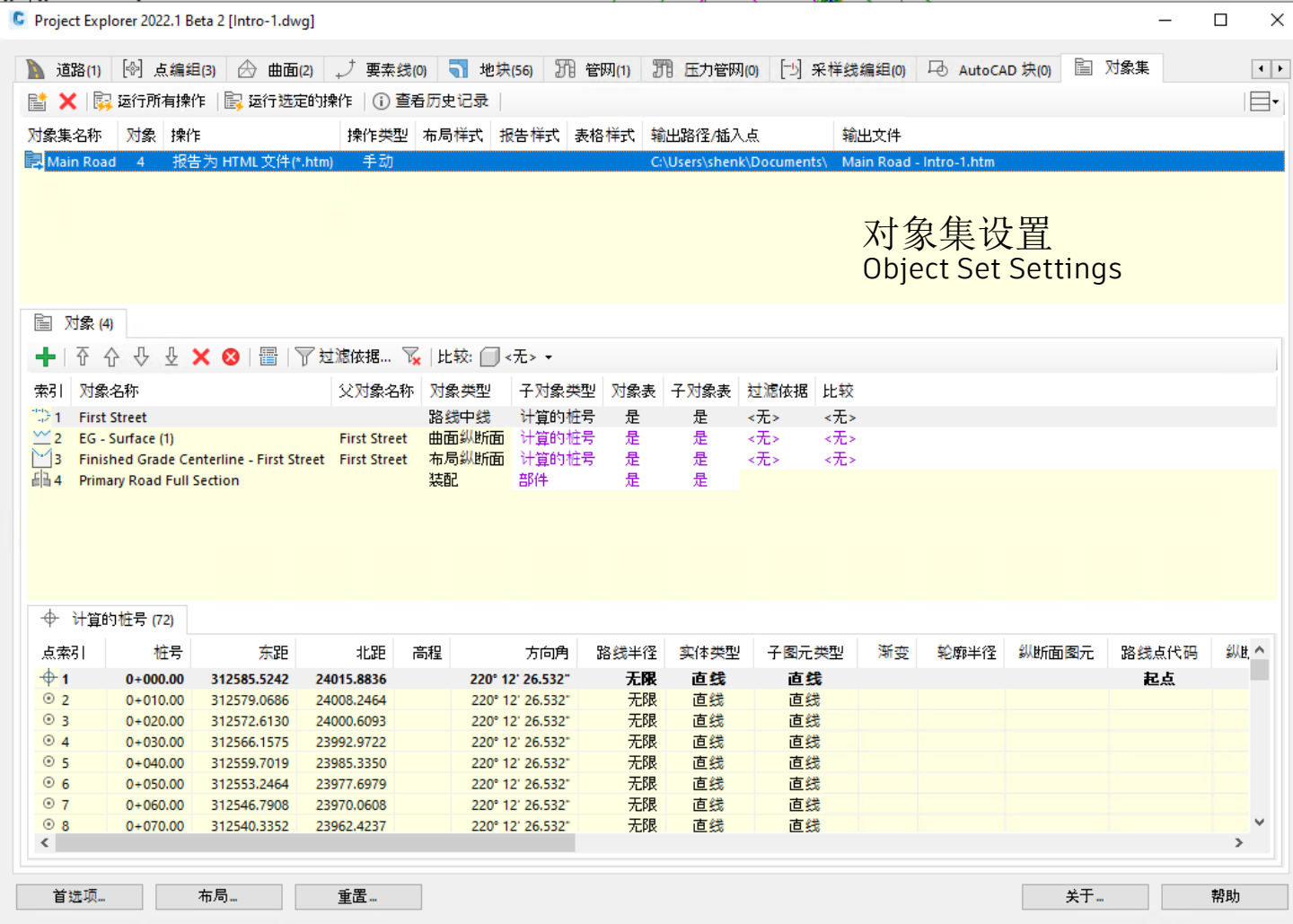
Personalized Layout



浮窗多视口工作

Floating window in
multiple monitors



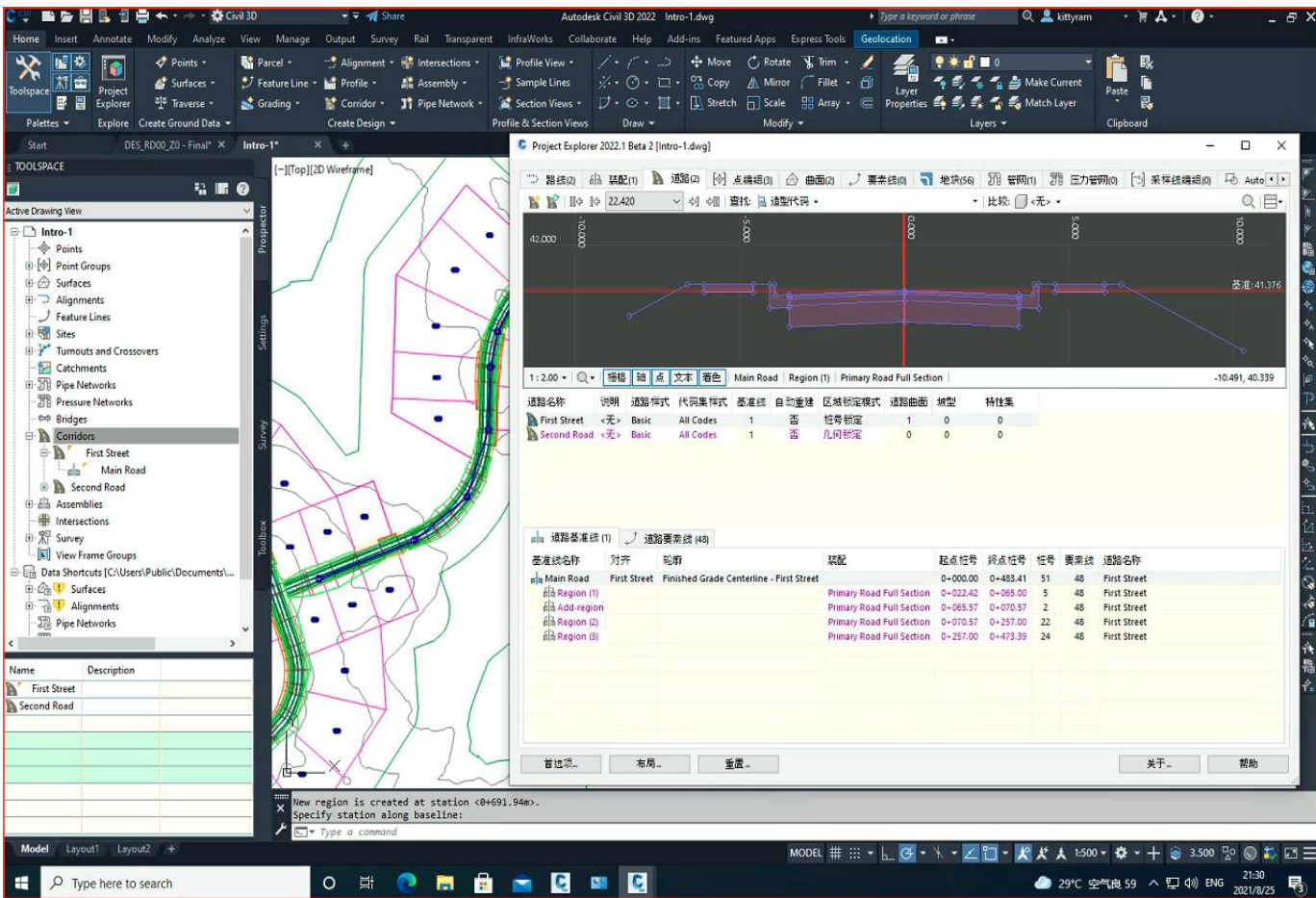


此功能用于快速
输出报告或者表格
For quick report or table

道路设计案例

Corridor Editing/Review Use Case



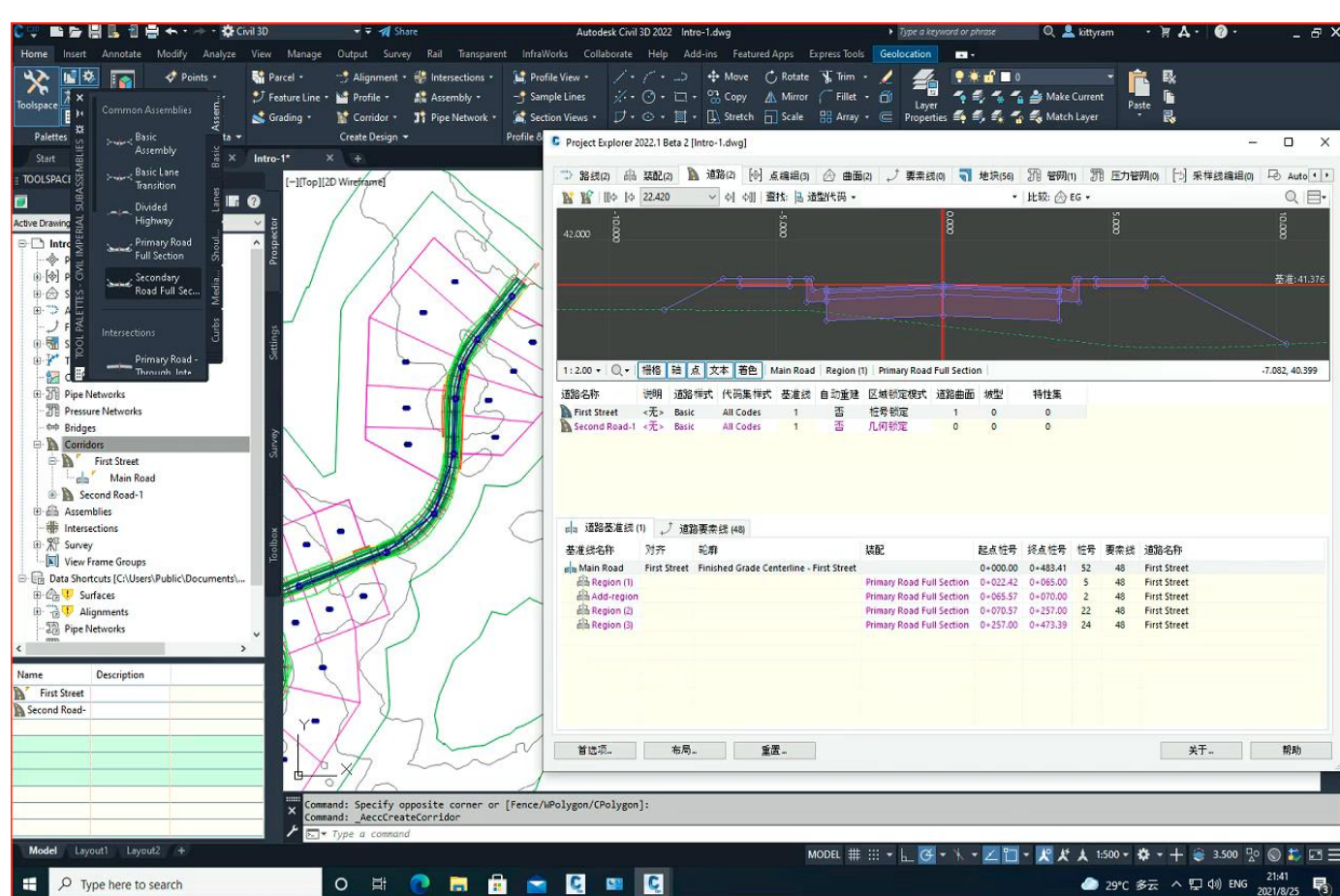


■ 对象对比功能

Saving time compared to traditional editing methods with direct access and multiple edit capabilities

■ 更快捷的查看方式

Easy section/profile access



■ 道路和装配的查看和修改

Corridor and assembly review and editing

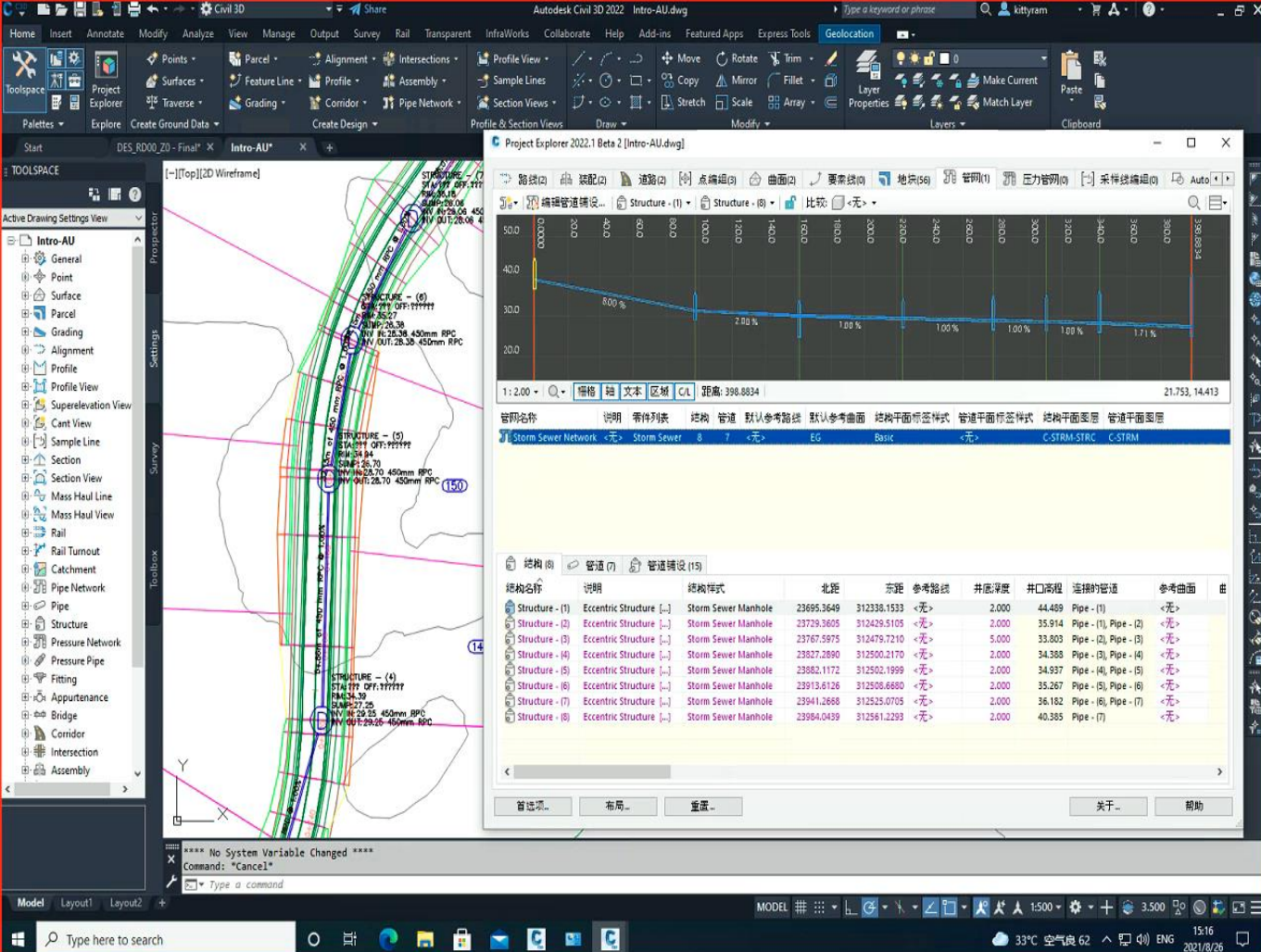
■ 快速地重新生成道路模型

Model rebuild in Project Explorer

A person is shown from the waist down, wearing dark clothing, working in a narrow trench. They are positioning a large, orange-colored pipe into the trench. The trench is dug into dark soil, and there is some green vegetation on the left side. The background is blurred, showing more greenery.

管网设计案例

Corridor Editing/Review Use Case



■ 重力管网的查看和更新

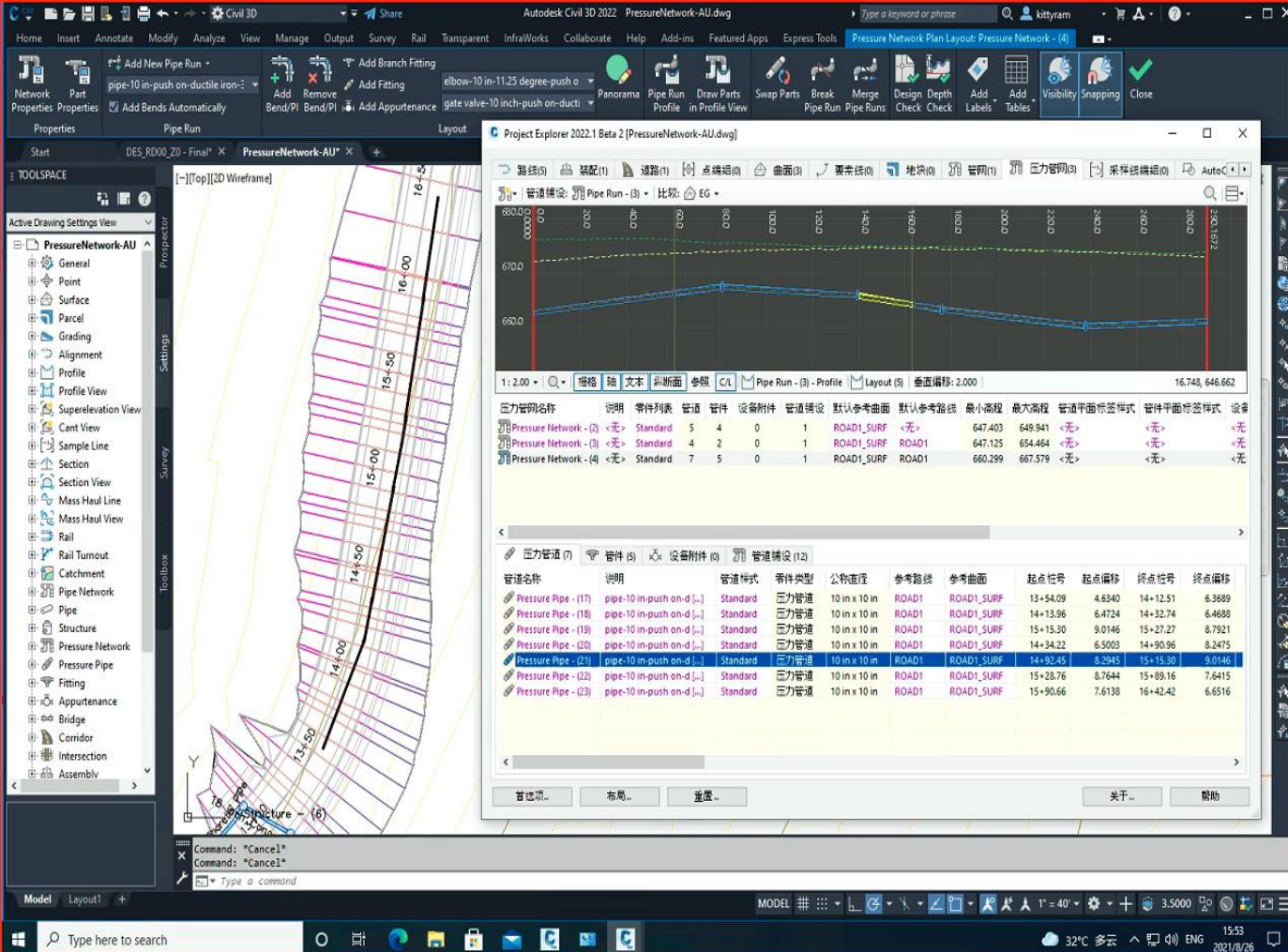
Review and editing for Pipe Networks

■ 子对象信息页

Sub-object tabs for structures, pipes, and runs

■ 方便快捷地更改对象信息

Direct editing of values



■ 压力管网的查看和更新 (2022新功能)

Review and editing for Pressure Networks

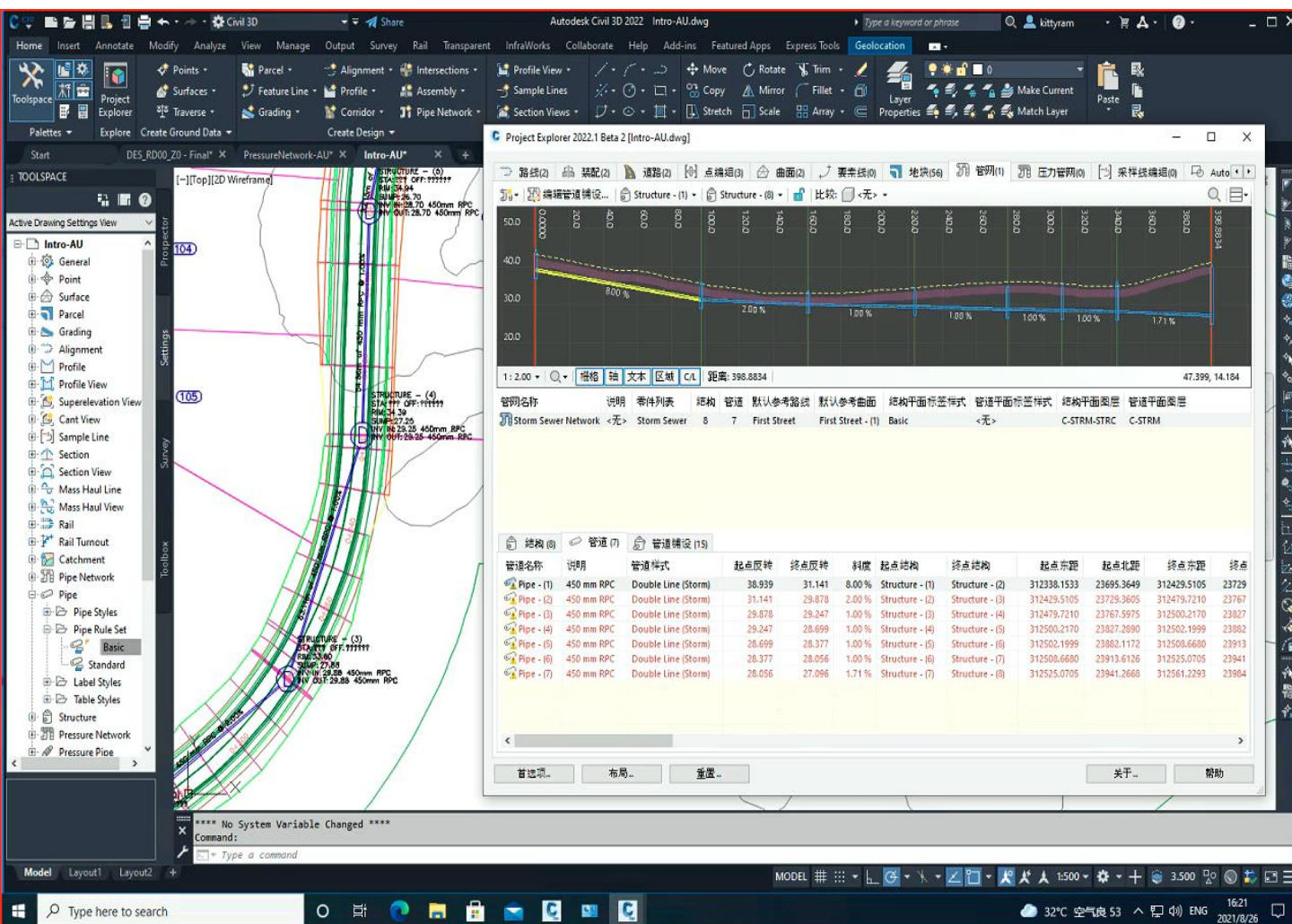
■ 管道铺设（从路线生成压力管网）

Review and editing for Pressure Networks(Pipe Run)

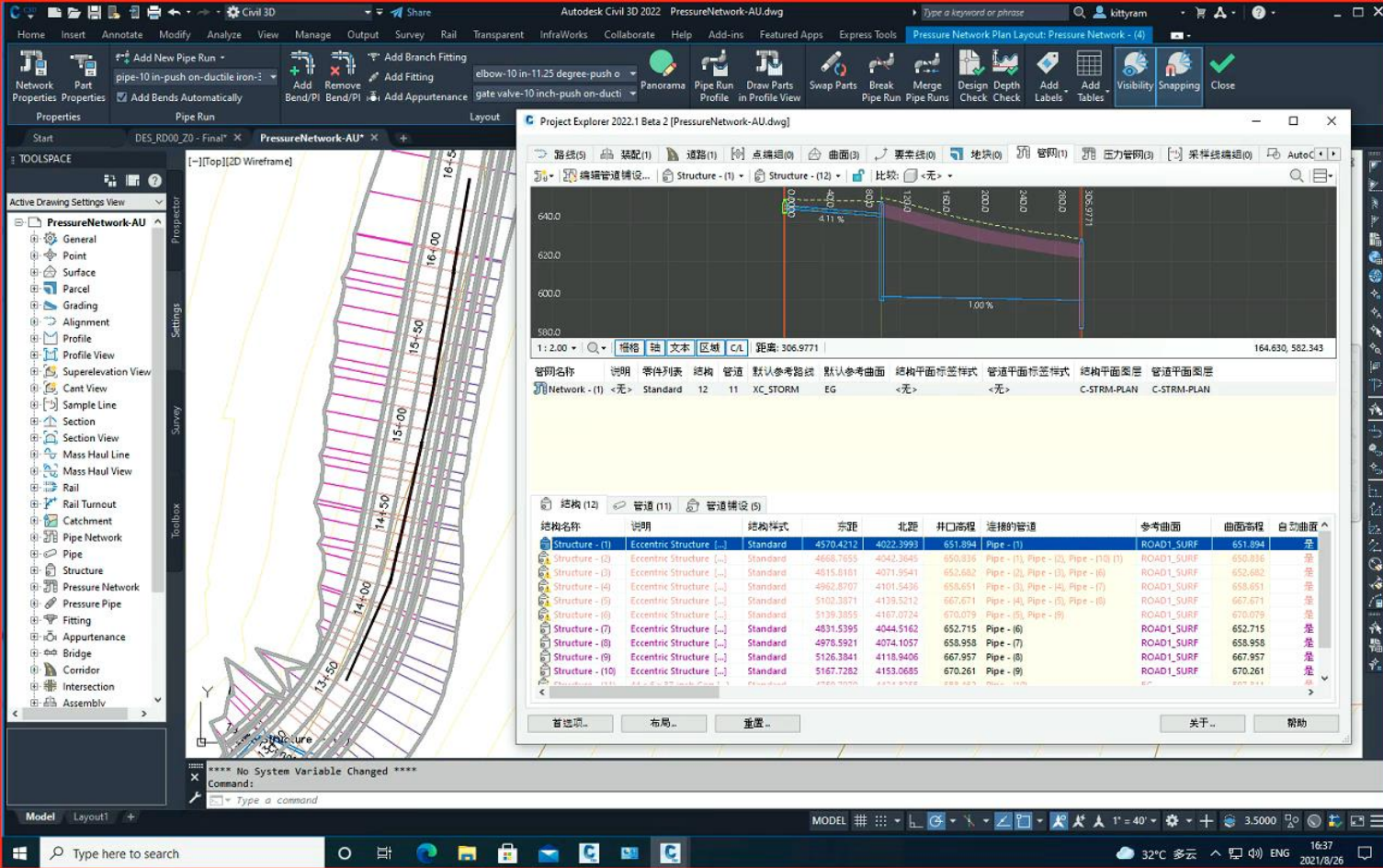


个性化设置与布局

Personalized Setting & Layout



■ 首选项
Preference

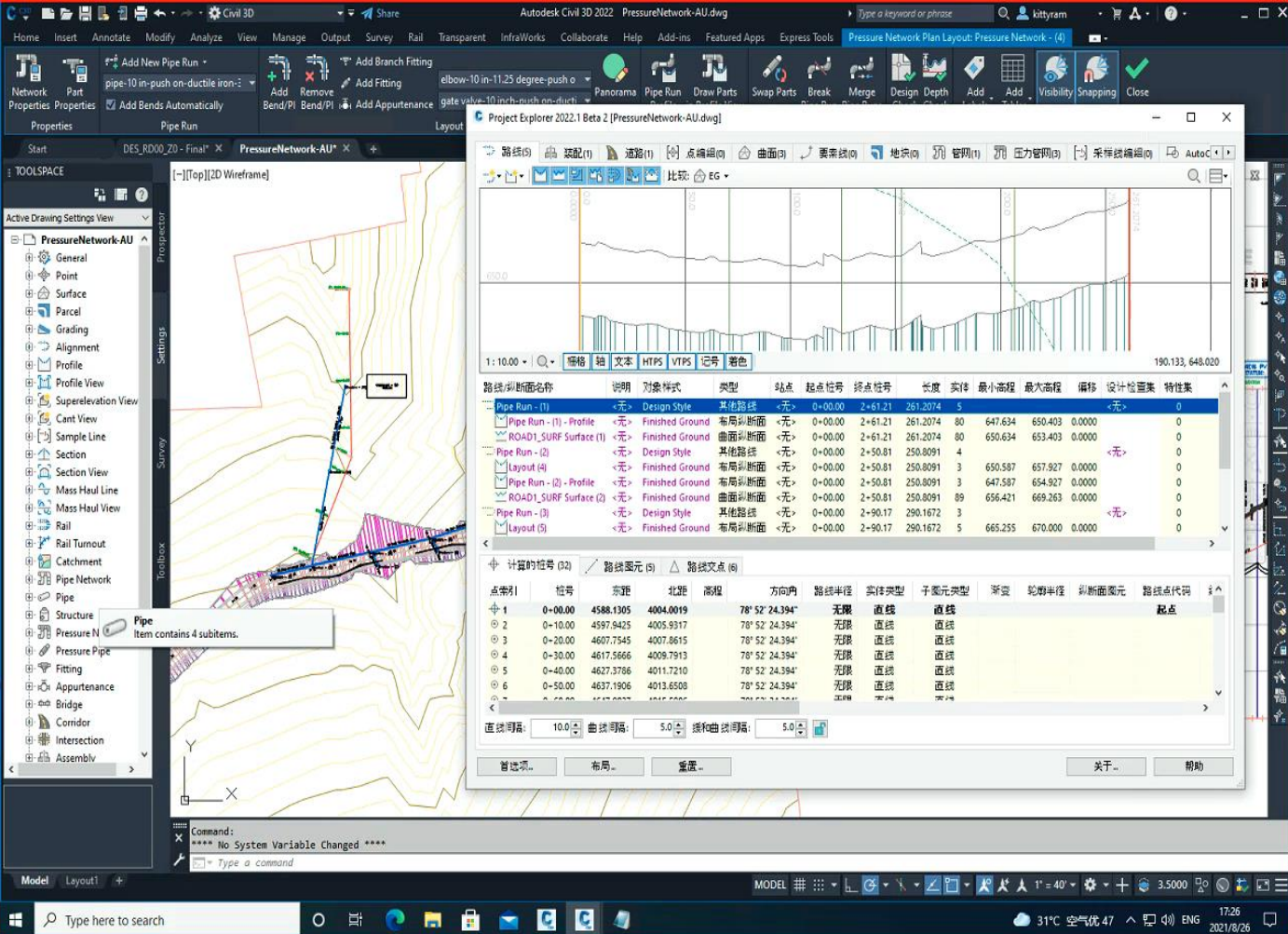


■ 布局
Layout

A man with a beard is sitting at a desk in a factory, looking at four computer monitors. The monitors display various data visualizations including maps, line graphs, and tables. The background shows industrial structures like pipes and beams. The text '报表' and 'Report & Table' is overlaid on the image.

报表

Report & Table



■ 报表

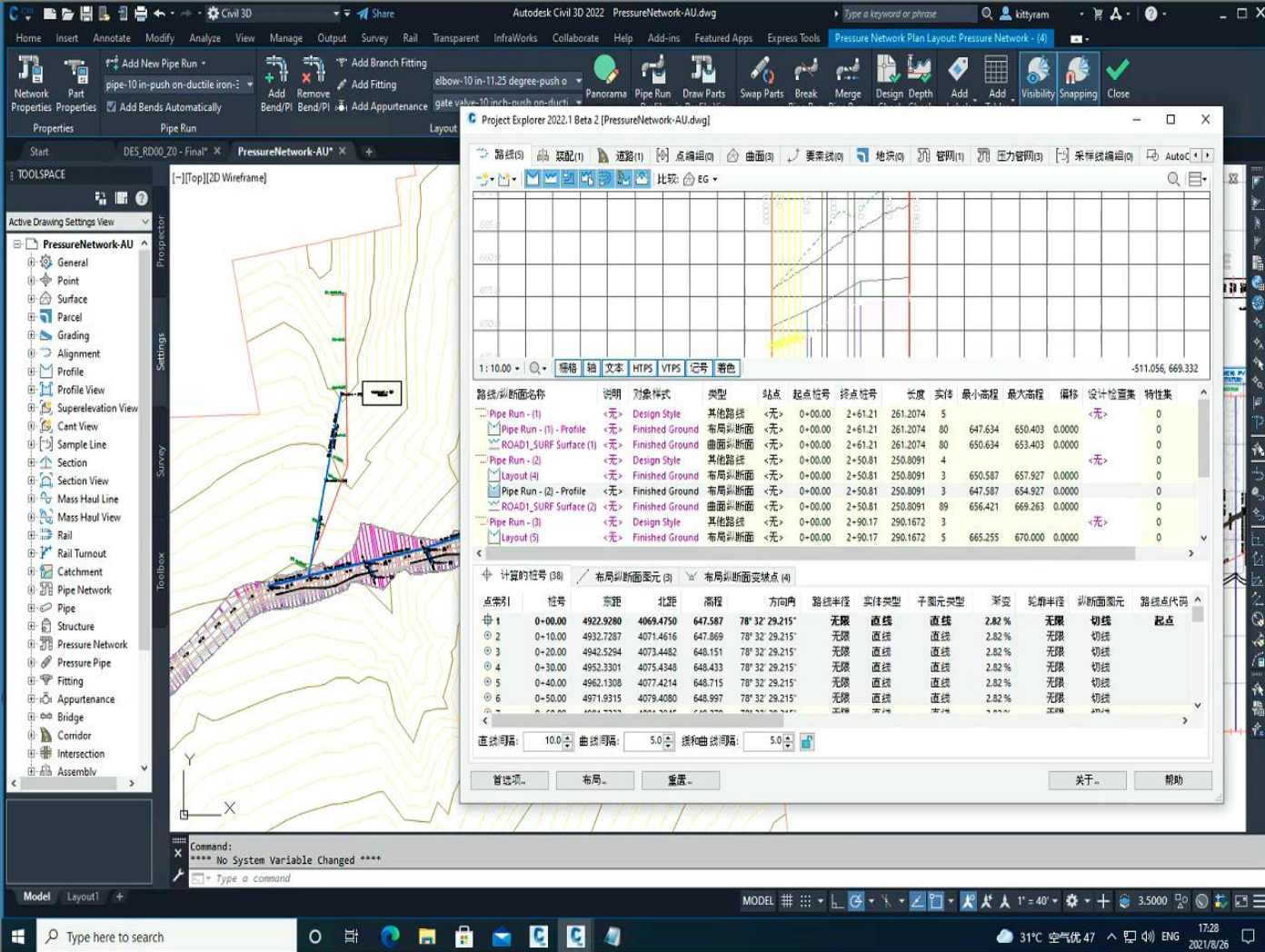
Instant Reports

■ 从对象创建报表

Right-click to create report or tables

■ 复制信息生成报表

Copy-clip in tabular data views



- 使用对象集批量生成报表
- Use Object set to create reports or tables
- 导出成ACAD dwg
- Exporting ACAD dwg
- 表格
- Table

- 合并表头（2022.1新功能）

Combined header

- 支持表头换行（2022.1新功能）

Header wrap

- 不同内容支持不同字体
（2022.1新功能）

Support different fonts to different texts

Project Explorer | 布局选项

新建 打开 保存

路线/纵断面选择器

设定路线/纵断面的列布局

列标签	Data Type	Label Alignment	Column Group Mode	Group Label	Group Alignment	参数名称
☒ 路线/纵断面名称	文本	左	Ungrouped			路线/纵断面名称
☒ 说明	文本	左	Ungrouped			说明
☒ 对象样式	文本	左	Ungrouped			对象样式
☒ 类型	文本	左	Ungrouped			类型
☒ 站点	文本	左	Ungrouped			站点
☒ 起点桩号	Numeric	右	Start New Group	桩号	中心	起点桩号
☒ 终点桩号	Numeric	右	Continue Group			终点桩号
☒ 长度	Numeric	右	Ungrouped			长度
☒ 实体	Integer	中心	Ungrouped			实体

路线/纵断面采样间隔 路线形状标签 纵断面形状标签 Rail Options

路线直线间隔: 10.0 ☒ 使用路线直线间隔 ☒ 显示路线图元切点

路线曲线间隔: 5.0 ☒ 使用路线曲线间隔 ☒ 显示纵断面图元切点

路线缓和曲线间隔: 5.0 ☒ 使用路线缓和曲线间隔 ☒ 显示纵断面高点/低点

纵断面曲线间隔: 10.0 ☐ 使用纵断面曲线间隔

恢复默认值 确定 取消 帮助

First Street													
路线 纵断面名称	说明	对象样式	类型	站点	桩号		长度	实体	最小高程	最大高程	偏移	设计检查集	特性集
					起点桩号	终点桩号							
First Street	<无>	Proposed	路线中 线	<无>	0+000.00	0+483.41	483.4128	5				<无>	0

更新计划和内容

Roadmap/Future Vision

- 更新计划 (release schedule)
 - 年度发布 (Annual release)
 - 更新 (Update)
 - 了解与使用 (Learn more and Trial)
 - 已有工程建设软件集权限的客户可直接下载使用 (Included in AEC Collection)
 - 支持试用 (Trial: <https://www.autodesk.com/products/civil-3d/overview>)
 - 了解更多(Learn More):
 - Infrastructure knowledge Hub : <https://boards.autodesk.com/infra-knowledge-hub/project-explorer-for-civil-3d>
 - [Infrastructure Futures](#) : 会定期发布最新Beta版本 (Beta)

更新计划和内容

Roadmap/Future Vision

- 未来走向 (Roadmap/Vision)
 - 增加更多对象的支持 (Support more objects)
 - 增强更改功能及其体验 (Support editing more objects parameters and more tools to make it easier to do common edits)
 - 持续提高报表的使用体验和功能 (Enhancements to table and reports)

The background is black with four abstract, metallic-looking geometric shapes in the corners. These shapes are composed of flat, reflective surfaces that catch the light, creating bright highlights and dark shadows. They appear to be fragments of larger, complex structures, possibly representing architectural or industrial design elements. The shapes are positioned in the top-left, top-right, bottom-left, and bottom-right corners, framing the central text.

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