



UNBOUND

Stitching It All Together

Real World Insights into Bluebeam's New Workflow for Heavy Civil

David Campbell, Andrew Iverson, Jim McGowan, and Mike Kofford





David Campbell

Manager of Construction
Software Services

Topcon Solutions Store



Andrew Iverson

Senior Manager of 3D SW
Services

Dirt Logic



Mike Kofford

Manager of 3D MC
Modeling Services

Dirt Logic



Jim McGowan

Manager of 3D MC
Modeling Services

Dirt Logic

The Big Picture

Complete Solutions Provider:

- ✓ Autodesk & Bluebeam Platinum Partner and service provider for 30+ Years!
- ✓ Industry-leading Training & Support
- ✓ Not just a reseller – We provide end-to-end technology solutions for the AECO industry
- ✓ Hardware & Software – Solutions & Support

Sister Companies:



Agenda

1. Creating & Managing Stitched PDFs

- Introduction to the Stitching feature
- Best practices for generating clean, accurate stitched files

2. Estimation & Takeoff Workflows

- Using stitched PDFs for earthwork estimation
- Integrating with Quantity Link and external takeoff software

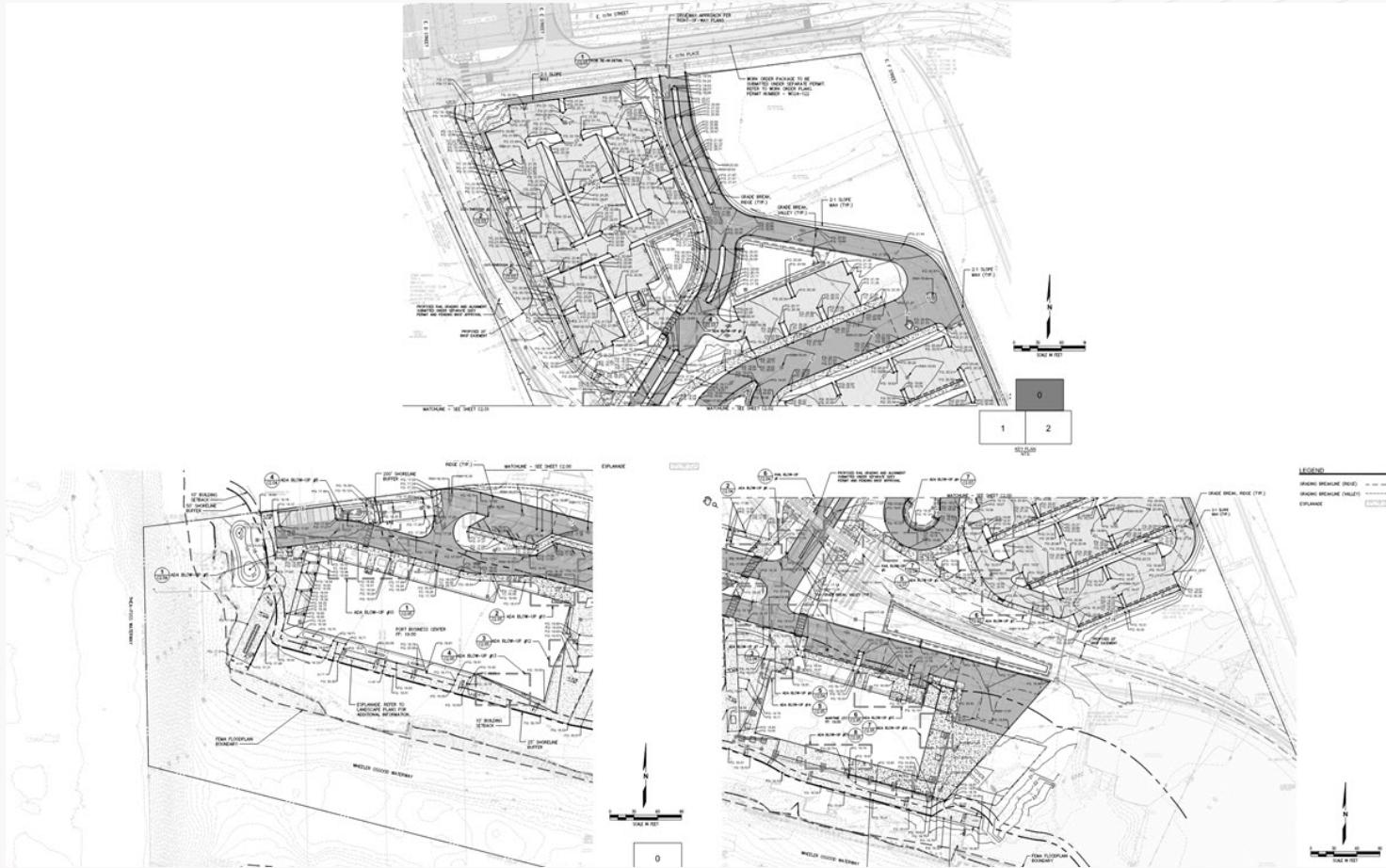
3. Quality Assurance & Design Validation

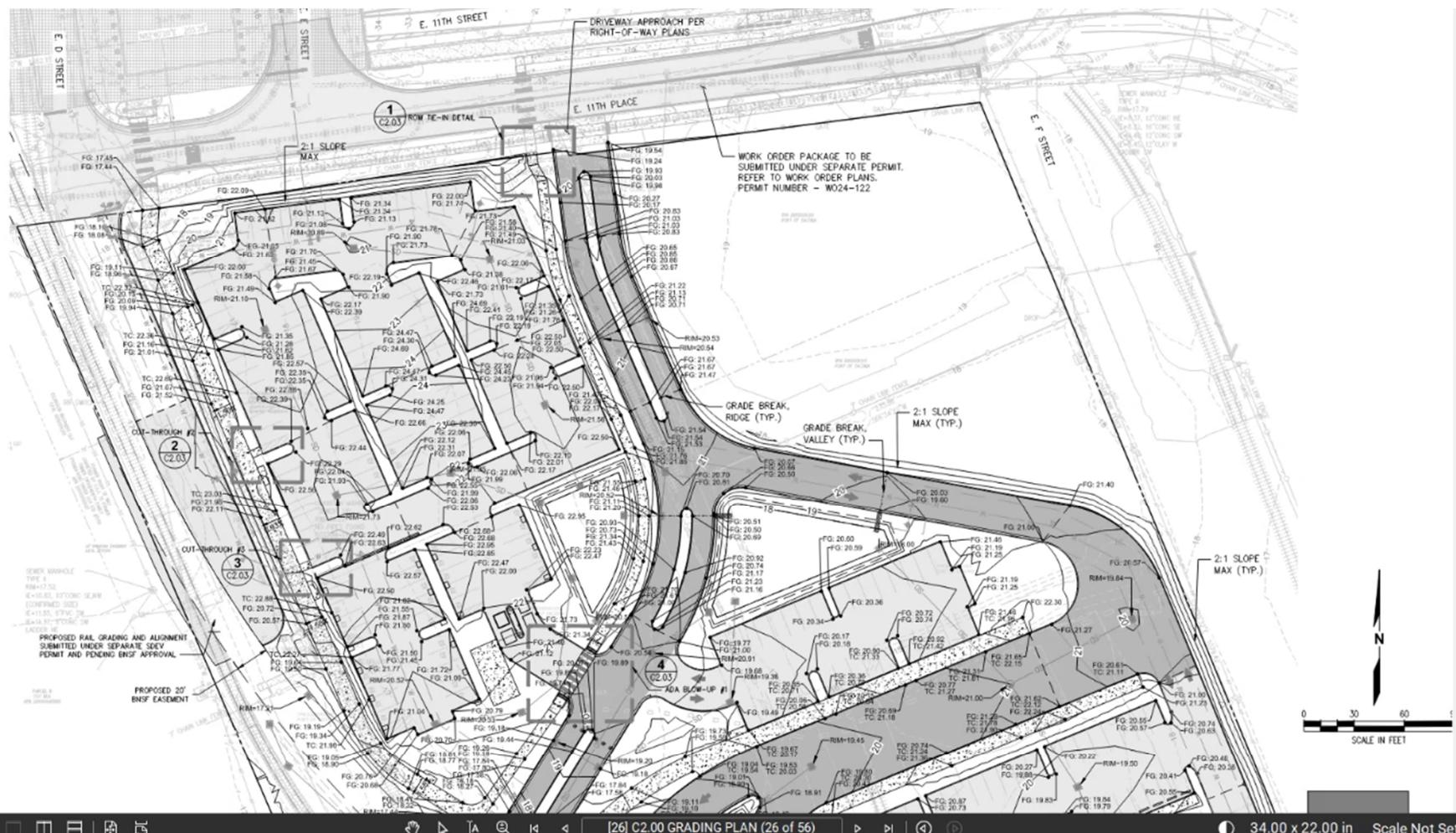
- Supporting QA/QC processes with stitched files
- Cross-checking CAD designs and using Overlay Pages for revision comparisons

4. Construction Planning & Field Communication

- Markups for phasing, pour planning, and jobsite visualization
- Enhancing collaboration between office and field teams

Creating & Managing Stitched PDFs

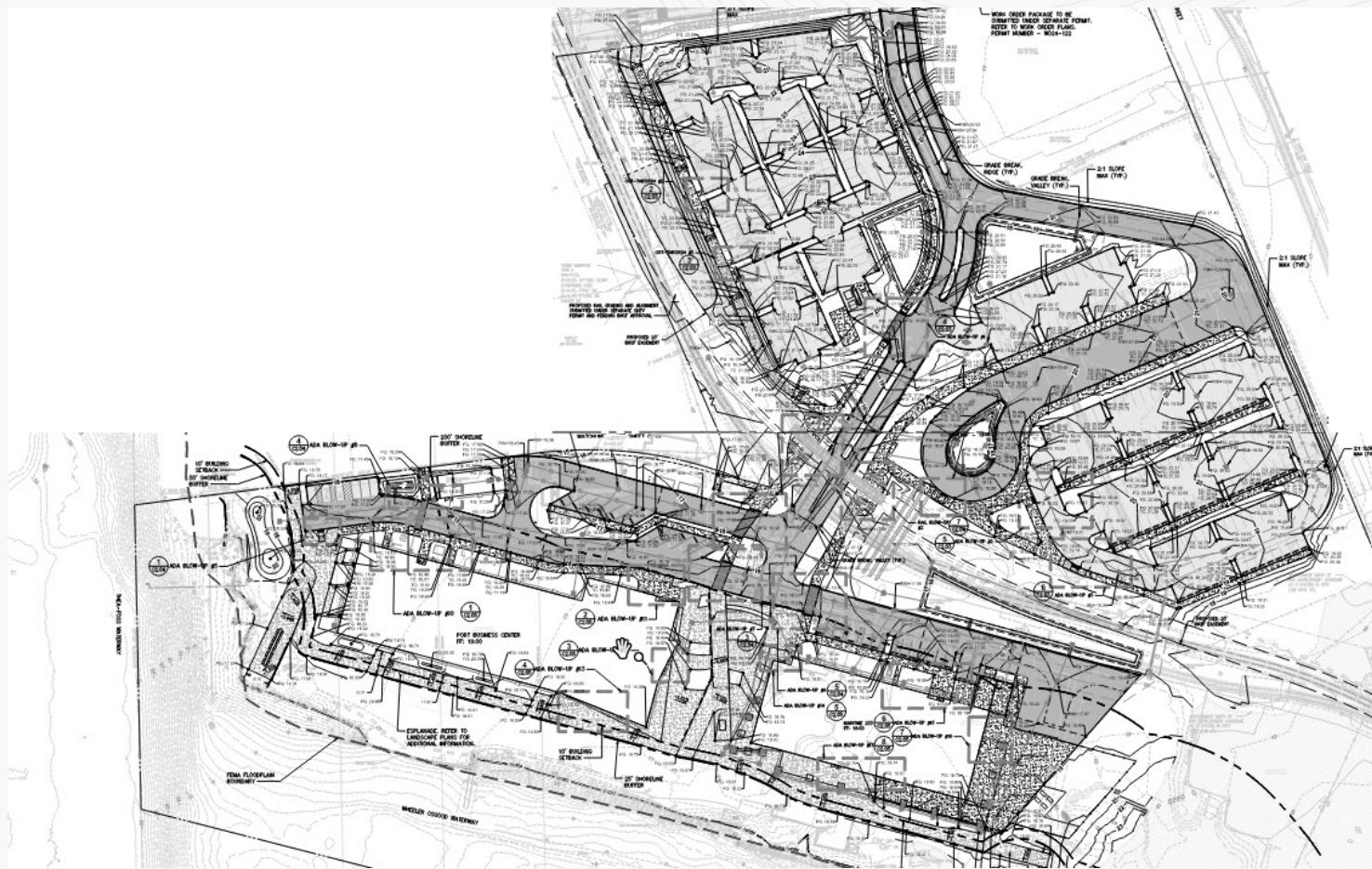




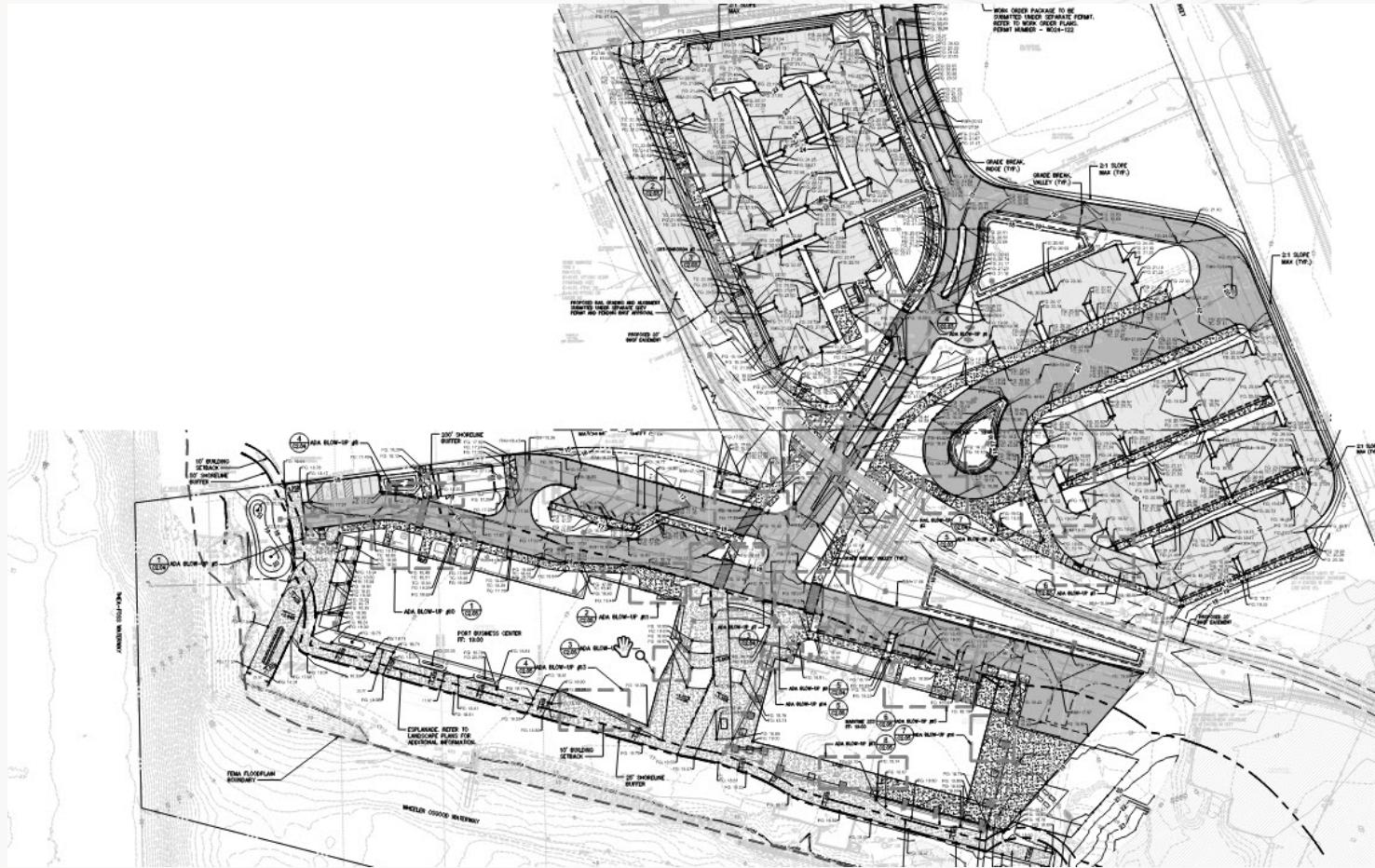
[26] C2.00 GRADING PLAN (26 of 56) 34.00 x 22.00 in Scale Not Set

Markups List		Search		Filter List					
Subject	Page Label	Page Index	Length	Area	Count	Measurement	Layer	Unit	Item
Line (4)					4 Count				
Line	[26] C2.00 ...	26			1 Count		Count		
Line	[27] C2.01 ...	27			1 Count		Count		
Line	[1] C2.02 - ...	28			1 Count		Count		

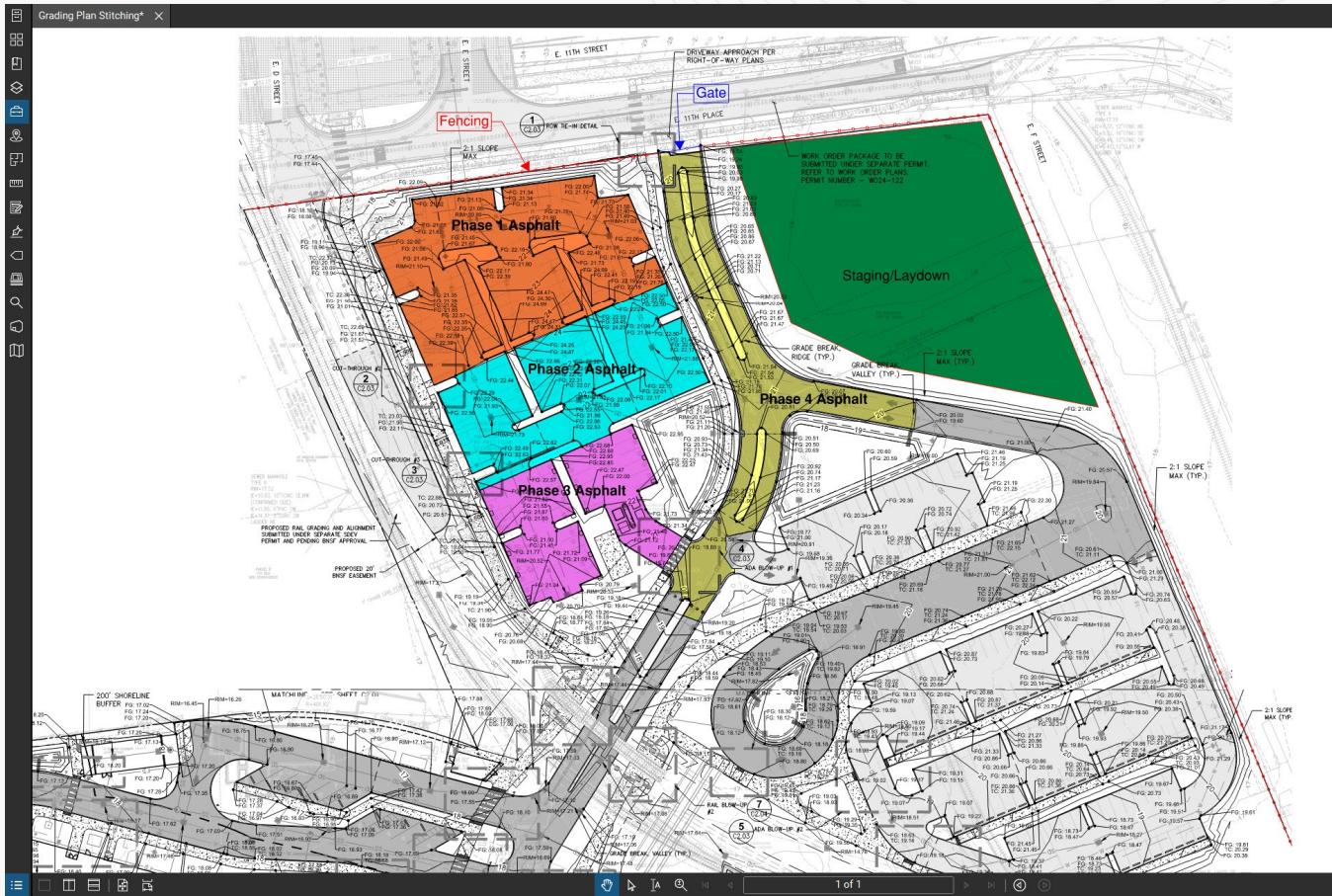
Creating & Managing Stitched PDFs



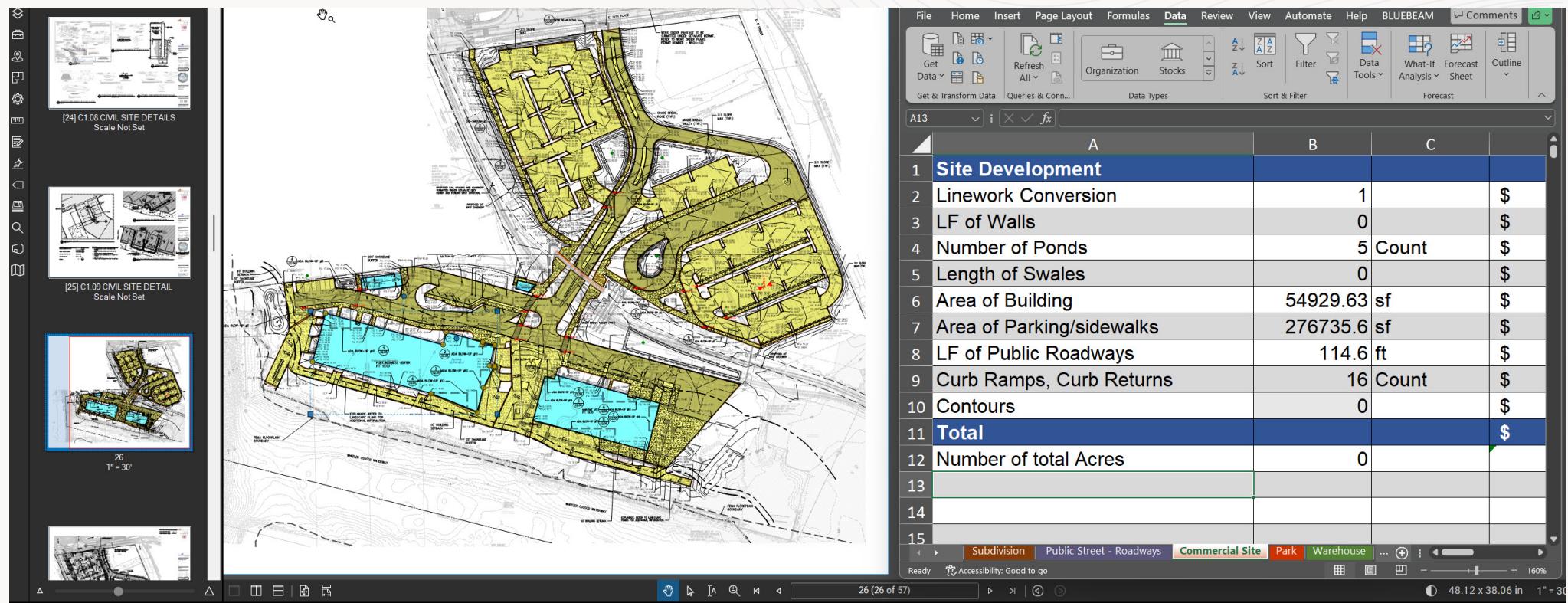
UNBOUND



Planning/Phasing



Takeoff & Estimating Workflows



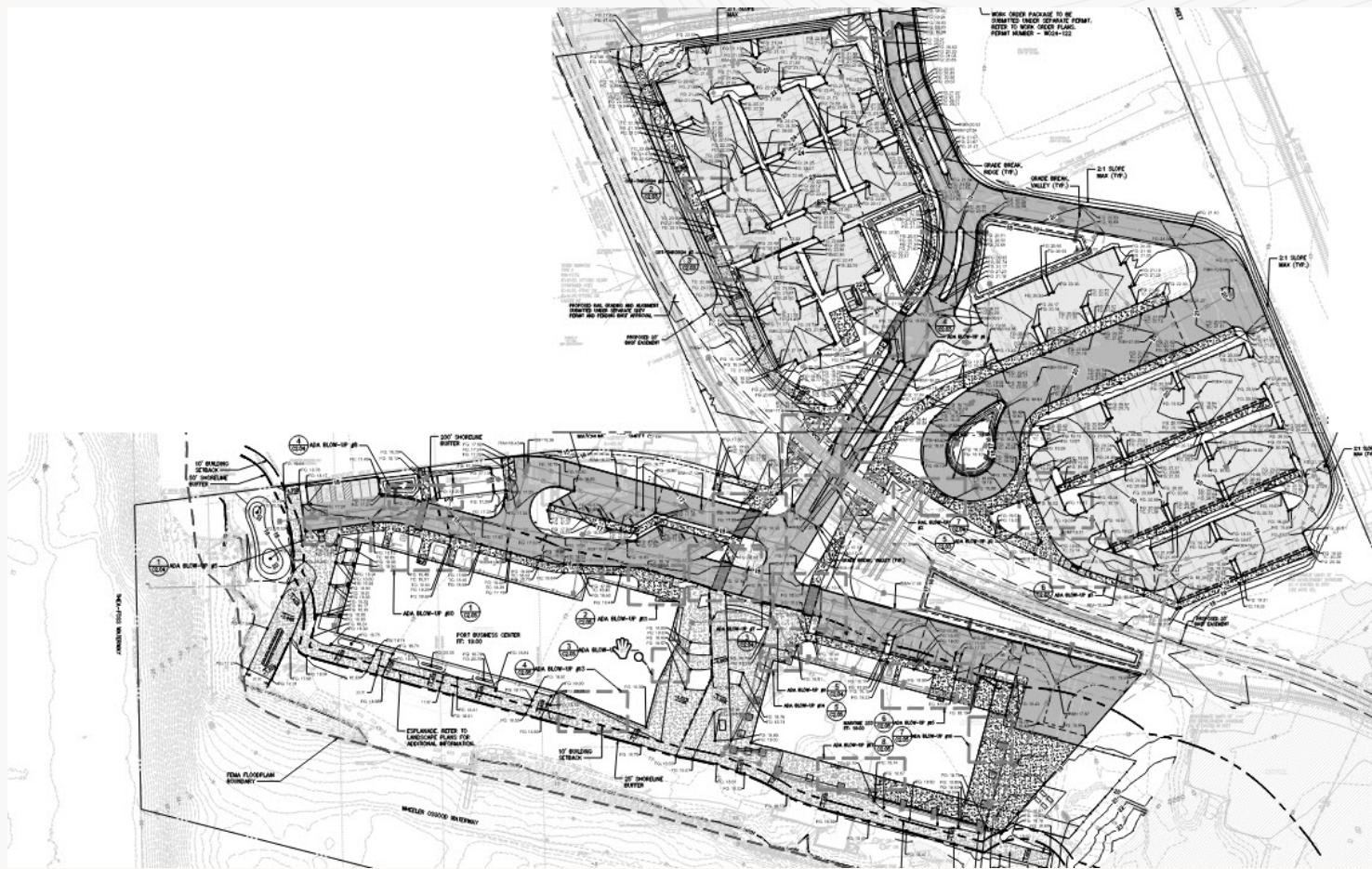
The image shows a screenshot of the Bluebeam interface, a document management and annotation tool, used for construction site planning and estimating. The interface is divided into several sections:

- Left Panel:** Shows a list of site plans with thumbnails and file names. The first two are labeled [24] C1.08 CIVIL SITE DETAILS and [25] C1.09 CIVIL SITE DETAIL, both with "Scale Not Set". Below them is a plan with a scale bar of "1' = 30'".
- Center Panel:** Displays a detailed civil site plan with various land parcels outlined in yellow and blue. The plan includes contour lines, roads, and other site features.
- Top Right:** The Microsoft Excel ribbon, showing tabs like File, Home, Insert, Page Layout, Formulas, Data, Review, View, Automate, Help, and BLUEBEAM. The Data tab is selected.
- Bottom Right:** A data table in Excel format. The columns are labeled A, B, and C. The table contains the following data:

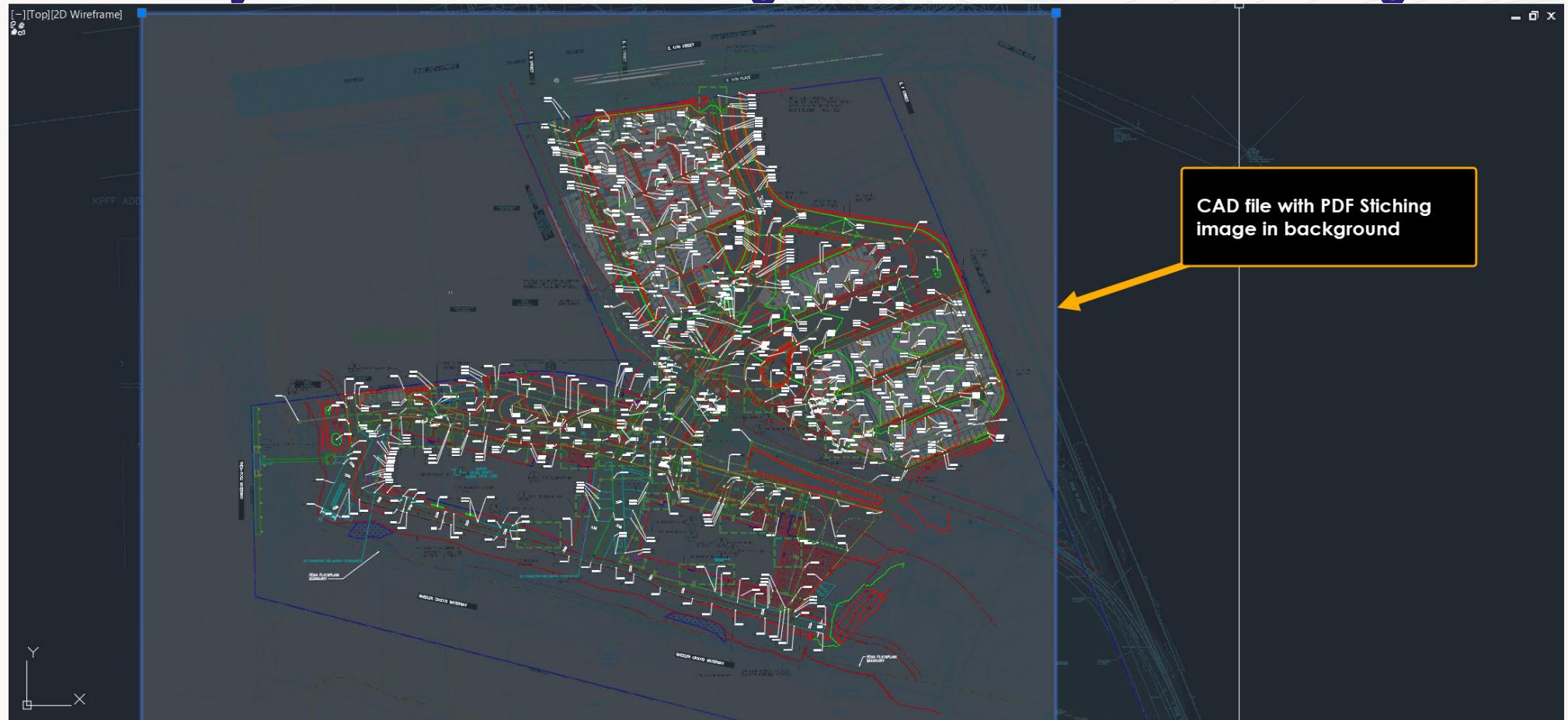
	A	B	C
1	Site Development		
2	Linework Conversion	1	\$
3	LF of Walls	0	\$
4	Number of Ponds		\$
5	Length of Swales	0	\$
6	Area of Building	54929.63 sf	\$
7	Area of Parking/sidewalks	276735.6 sf	\$
8	LF of Public Roadways	114.6 ft	\$
9	Curb Ramps, Curb Returns	16	Count \$
10	Contours	0	\$
11	Total		\$
12	Number of total Acres	0	
13			
14			
15			

- Bottom Left:** A table titled "Markups List" with columns: Subject, Page Label, Page Index, Length, Area, Count, Measurement, Layer, Unit, and Item. It lists "Building (4)" with various measurements and areas.

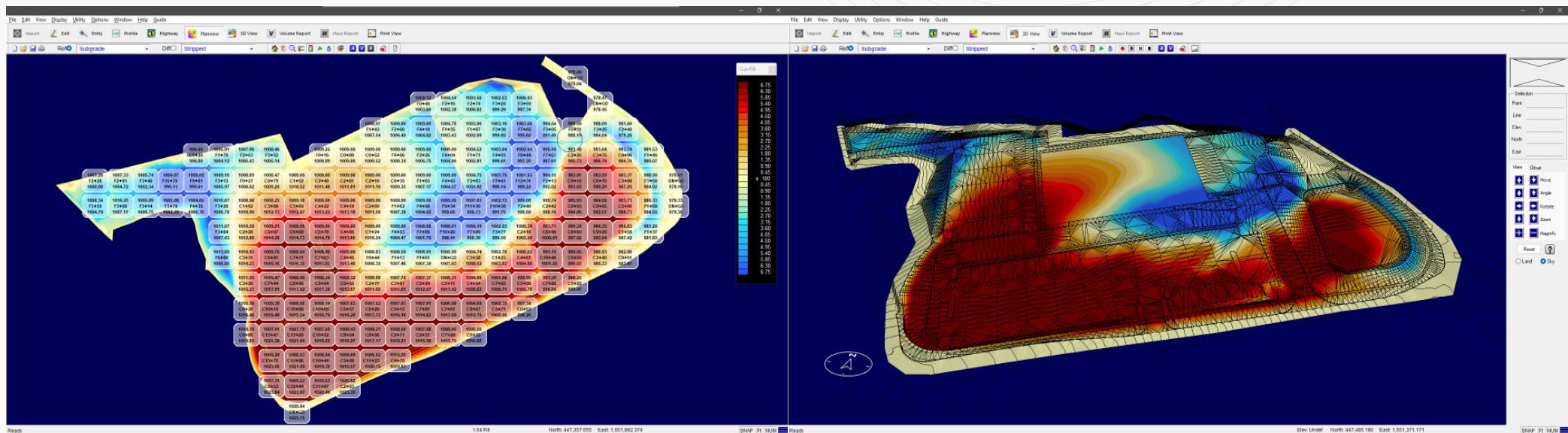
Quality Assurance for Takeoff & Design



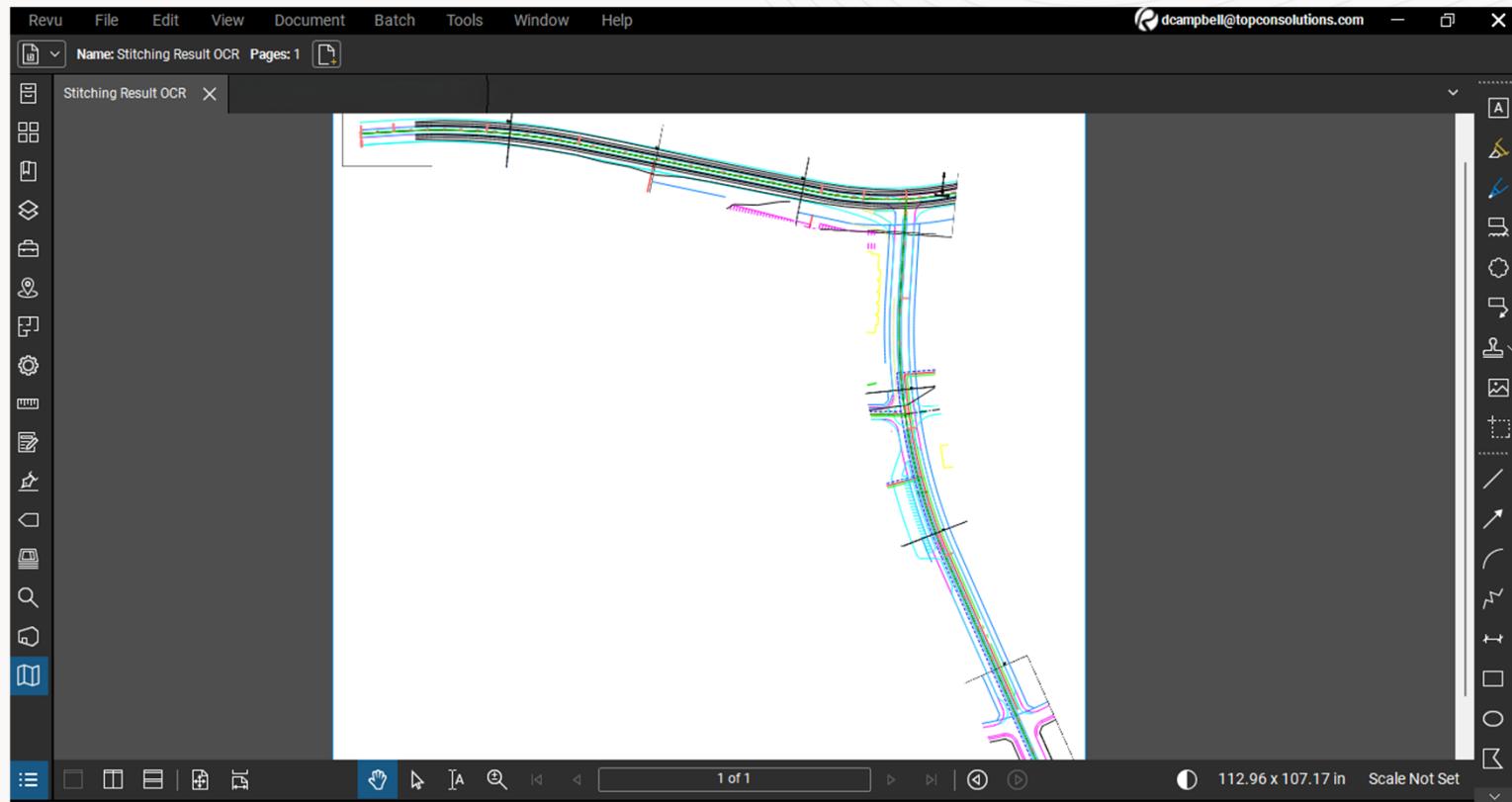
Quality Assurance and Design Verification for Modeling



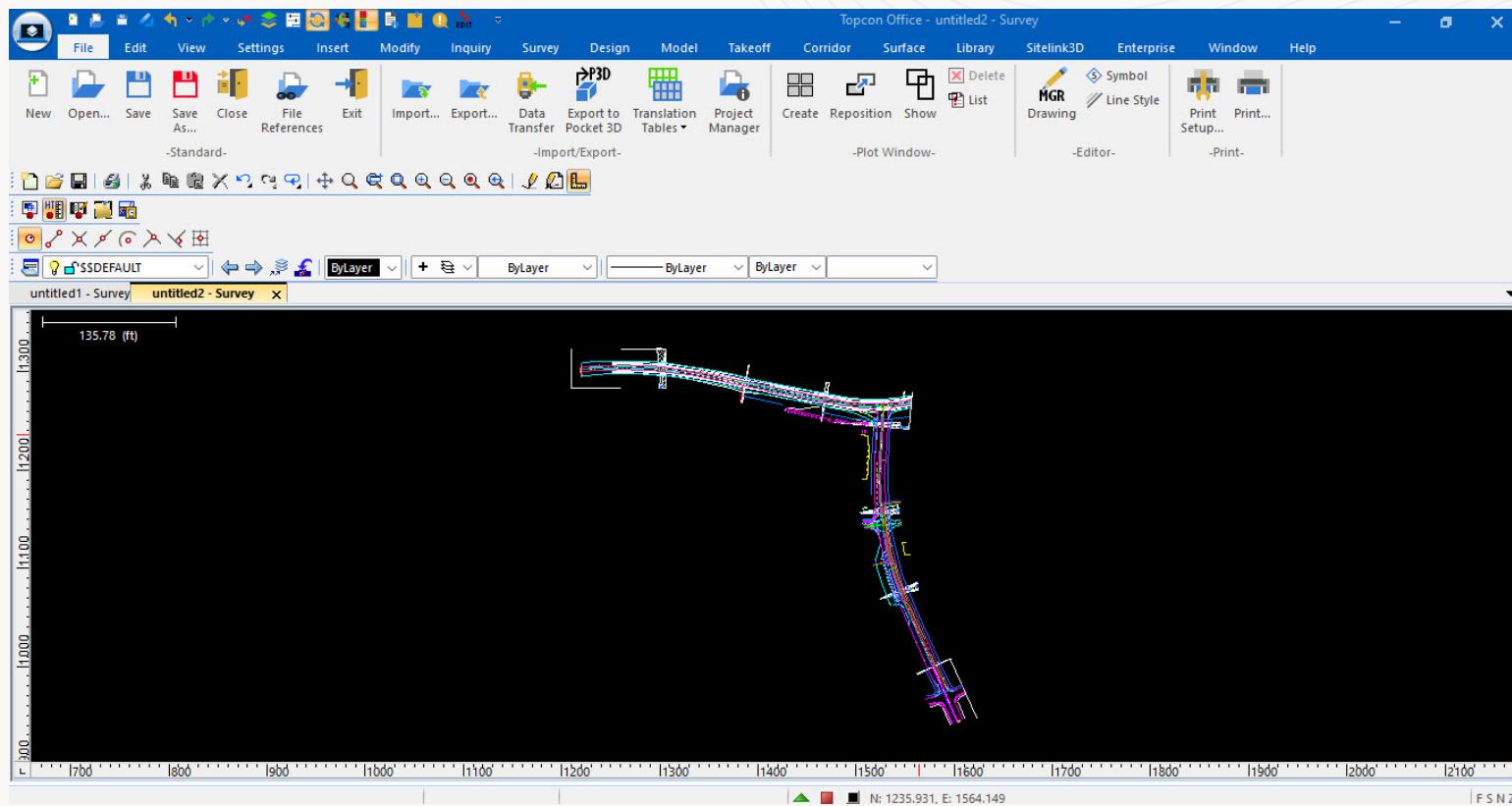
Quality Assurance for 3D Takeoff



PDF to 3D Takeoff



PDF to 3D Takeoff





Thank You!

