

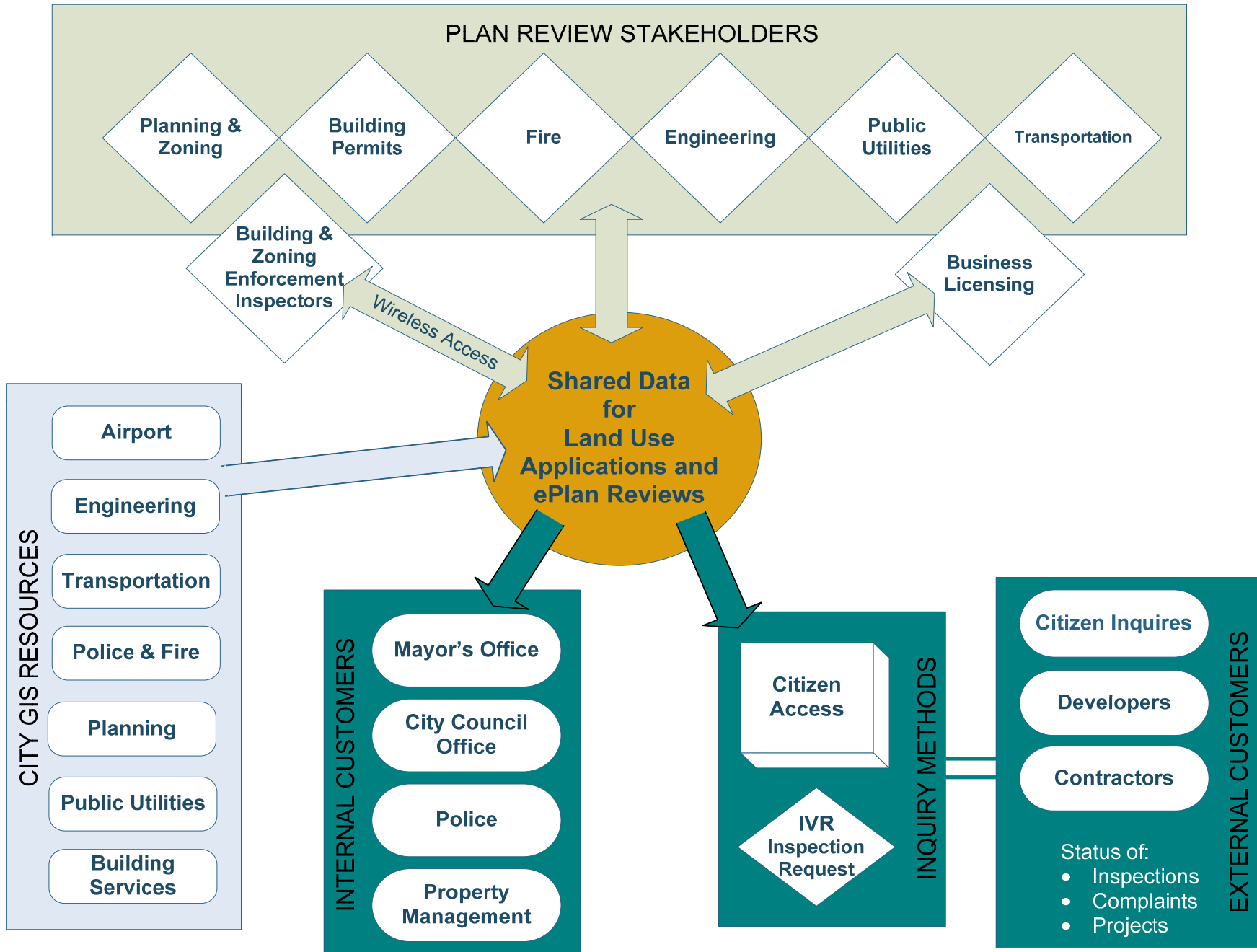


Sustainability, Predictability and Transparency in the Development Process



Compelling Interests

- Aiding the SLC Green initiatives by reducing paper, trips to the City offices; reducing traffic/emissions/time
- Reducing overhead costs by eliminating the need to store large rolled sets of paper plans
- Making it seamless for developers/ contractors/ architects to do business with the City
- Improving the accuracy and speed of plan review turn-around-time
- Enabling employees to have access to review/access plans from anywhere with internet connection
- Speeding the review process/ timeline and / or enabling parallel review





Mayor Ralph Becker, 2010 State of the City Address:

“We have seen great efficiency with the implementation of software for external access to City services and information. Residents, business owners and developers continue to appreciate the One-Stop Shop, where permit applications are accepted online.

By moving plan submission and review online, paper consumption, printing costs, greenhouse gas emissions, drive time and phone-based inquiries to City personnel have been greatly reduced or eliminated for each permit application. Customers have the ability to submit their plans electronically, online, from anywhere in the world that has a connection to the internet; pay with a credit card and then get ‘real-time’ updates and review comments from City Plan Review staff across six City departments. All of this without actually visiting City Hall or having paper plans delivered several times to City Hall for review.



Mayors Comments Continued

- The electronic submission of plans for two large projects did not go unnoticed by one of our implementation managers, Lisa Shaffer. She said, “This was HUGE for both applicants since they are both out of town. Because of our combined web-based database and our electronic plan review software, these customers did not need to print out multiple sets of drawings, and they did not need to fly in to submit. Both applicants were ‘blown away’ at the technology and gave the City accolades for our progressive way of doing business.”
- Lisa added, “I’m proud to be a part of an organization that is invested in partnering with our development community to make things happen. Thanks for involving me in all of the amazing changes we have made!” Thanks for that feedback, Lisa!”



All Stake Holders Included in the Review:

•Inter departmental Review Routings

- Building
- Zoning
- Engineering
- Transportation
- Public Utilities
- Planning
- Fire

•Outsource Reviews!

- Structural Reviews
- Expedited Reviews

•Submitter

- Primary Submitter (Project Manager)
- Secondary Submitter (Design Team, Owner, etc.)

Member List:

| Name | Name |
|-----------------------------|-----------------------------|
| + Non Group Members | + Project Coordinator |
| + Building Codes | + Special Inspector |
| + Building Codes Supervisor | + Structure |
| + Building Inspector | + Structure Supervisor |
| + CED | + Submitter |
| + Engineering | + Submitter Secondary |
| + Engineering Supervisor | + Transportation |
| + Fire | + Transportation Supervisor |
| + Fire Prevention | + Zoning |
| + Fire Supervisor | + Zoning Supervisor |
| + Intake | |
| + Management | |
| + Outsourced Review | |
| + P.U. | |
| + P.U. Supervisor | |
| + Planning | |
| + Planning Supervisor | |





Folder Structure:

- Orderly organization of files
- Post permit activity tracking
 - Deferred submittal management
 - Special inspection Reports
 - As Built Drawings

BLD2010-04921

Main Contact: Location: Salt Lake City - Plan Review

[Expand current](#) | [Collapse](#) |  

[-] **BLD2010-04921**

- [-] [Drawings](#) (39 Files - 0 New)
- [-] [Specifications](#) (1 Files - 0 New)
- [-] [Calculations](#) (2 Files - 0 New)
- [-] [Soils Reports](#)
- [-] [Energy Reports](#) (2 Files - 0 New)
- [-] [City Required Forms](#) (2 Files - 0 New)
- [-] [City Review Comments](#) (8 Files - 0 New)
- [-] [Approved Drawings and Documents](#) (48 Files - 0 New)
- [-] [Deferred Submittal Items](#) (1 Files - 0 New)
- [-] [Special Inspection Reports](#) (1 Files - 0 New)
- [-] [As Built Drawings](#)
- [i] [Scanned Files From Archives](#)
- [+] [Incoming](#)
- [-] [Models](#) (2 Files - 0 New)

Accela Workflow

PERMIT #: BLD2010-04921

Menu New Supervisor Task Activation Help

Go To Workflow

Workflow Tasks

- Application Submittal
- Structure
- Fire
- P.U.
- Engineering
- Transportation
- Planning
- Building Codes
- Zoning
- Permit Issuance
- Inspection
- Certificate Issuance
- P.U. Warranty Inspection
- Engineering Warranty Inspection
- Closed

There currently are no ad hoc tasks defined.

| Task | Status | Status Date | Action By |
|---------------------------------|--------------|-------------|--------------|
| Application Submittal | Accepted ... | 08/03/2010 | DeeDee Ro... |
| Structure | Pass | 09/29/2010 | Jan Ukena |
| Fire | | | |
| P.U. | Pass | 09/29/2010 | Justin D ... |
| Engineering | | | |
| Transportation | | | |
| Planning | | | |
| Building Codes | Pass | 09/29/2010 | Jan Ukena |
| Zoning | Pass | 09/29/2010 | Alan Mich... |
| Permit Issuance | Completed | 09/29/2010 | Heather G... |
| Inspection | | | |
| Certificate Issuance | | | |
| P.U. Warranty Inspection | | | |
| Engineering Warranty Inspection | | | |
| Closed | | | |

Workflow Integration

- Routing Workflows are established in our permit tracking system
- Comments and statuses from reviewers are updated to both systems
- Comments and Statuses are viewable to the public through our Citizen Access Portal

Project Dox Workflow

| | | | | | |
|------------------------|--|----------------|-----------------------|---|--|
| 8/3/2010 11:21 AM [4] | Plan Review Workflow For: BLD2010-04921 - Building Codes | Jan Ukena | Corrections Requested | Tim Burke did the review | |
| 8/3/2010 11:21 AM [5] | Plan Review Workflow For: BLD2010-04921 - Structure | Jan Ukena | Corrections Requested | Tim Burke did the review | |
| 8/3/2010 11:21 AM [6] | Plan Review Workflow For: BLD2010-04921 - Zoning | Alan Michelsen | Corrections Requested | Zoning comments have been uploaded to ProjectDox and ACCELA. | |
| 8/3/2010 11:21 AM [7] | Plan Review Workflow For: BLD2010-04921 - Building Codes | Jan Ukena | Pass | | |
| 8/3/2010 11:21 AM [8] | Plan Review Workflow For: BLD2010-04921 - Structure | Jan Ukena | Pass | | |
| 8/3/2010 11:21 AM [9] | Plan Review Workflow For: BLD2010-04921 - Zoning | Alan Michelsen | Corrections Requested | 2nd zoning review has been emailed to applicant and uploaded in projectdox. | |
| 8/3/2010 11:21 AM [10] | Plan Review Workflow For: BLD2010-04921 - Building Codes | Jan Ukena | Pass | | |
| 8/3/2010 11:21 AM [11] | Plan Review Workflow For: BLD2010-04921 - Structure | Jan Ukena | Pass | | |
| 8/3/2010 11:21 AM [12] | Plan Review Workflow For: BLD2010-04921 - Zoning | Alan Michelsen | Pass | | |



PERMIT #: BLD2010-04921

Menu New Download Info Set Display Image Clear Display Image

Go To Documents (108)

| Source | File Name | Description |
|------------|---|---|
| ADS | Zoning Comments | Thom Residence Remodel/addition and new d |
| ADS | Garage Setback approval | |
| ADS | 2nd Bldg Code Review | 2nd Bldg Code Review |
| ADS | 1st B/C review | 1st B/C review |
| ProjectDox | 001_G001.pdf | BLD2010-04921\Drawings\001_G001.pdf |
| ProjectDox | 002_S0-0.pdf | BLD2010-04921\Drawings\002_S0-0.pdf |
| ProjectDox | 003_S1-0.pdf | BLD2010-04921\Drawings\003_S1-0.pdf |
| ProjectDox | 004_S1-1.pdf | BLD2010-04921\Drawings\004_S1-1.pdf |
| ProjectDox | 005_S1-2.pdf | BLD2010-04921\Drawings\005_S1-2.pdf |
| ProjectDox | 006_S5-0.pdf | BLD2010-04921\Drawings\006_S5-0.pdf |
| ProjectDox | 007_S5-1.pdf | BLD2010-04921\Drawings\007_S5-1.pdf |
| ProjectDox | 008_AS101.pdf | BLD2010-04921\Drawings\008_AS101.pdf |
| ProjectDox | 009_AS102.pdf | BLD2010-04921\Drawings\009_AS102.pdf |

View Folders Upload Files

Current Sort: - Select -

| | |
|--|---|
| | <input type="checkbox"/> 000 Sheet Index KB 300WTC.pdf V3 9/29/2010 2:51:55 PM, 14 KB Andrea Corwin |
| | <input type="checkbox"/> 001 A-000 Cover Sheet KB 300WTC.pdf V2 9/2/2010 2:24:31 PM, 415 KB Andrea Corwin |
| | <input type="checkbox"/> 002 A-001 Accessibility Egress Plan KB 300V 7/15/2010 1:19:02 PM, 286 KB Andrea Corwin |
| | <input type="checkbox"/> 003 C1.0 General Information Sheet KB 300V 7/15/2010 1:32:55 PM, 334 KB Andrea Corwin |

Document Access

- Project Dox documents/drawings are available from plan tracking software
- Transparency goals are achieved while protecting intellectual property.
- Communication tools (topics/notes) are available to specific documents.
- Mark-up tools are available to specific documents.

SALT LAKE CITY

2009 Preliminary IFC PLAN REVIEW SHEET

| | |
|------------------|--|
| LOG: 10-04506 | PROJECT NAME: Key Bank W. Towne Center |
| DATE: 10 Sept 10 | ADDRESS: 1098 South 300 West |

REVIEWED BY: Edward P. "Ted" Itchon Phone: (801) 535-6636
E-mail: edward.itchon@slcgov.com Fax: (801) 535-7750

Plans submitted for the proposed structure at the above listed location have been checked. The following items require correction(s), clarification(s), or additional details before they can be approved. Please provide revised plans and calculations along with a written response to each of the items listed below to facilitate a shorter back-check time. In your written response, please clearly indicate where the correction, clarification, or additional details can be found, whether on the plans or on an attachment. Please call to schedule an appointment to discuss the responses to facilitate a shorter second review check time.

Items 1 through 6 cannot be found on sheet C5.0 as it says in the response.
Item 7 was not found in the specifications 104400

1. Provide a minimum Fire flow of 1,750 G.P.M. at 20 psi residual pressure.
<https://pdocs.slcgov.com/ProjectDow?FileID=46149&M=1319>
<https://pdocs.slcgov.com/ProjectDow/ActiveXViewer.aspx?FileID=46149&MarkupID=1319>
2. Provide a minimum of 1 fire hydrant within 400 feet of the exterior walls of the structure.
<https://pdocs.slcgov.com/ProjectDow?FileID=46149&M=1320>
<https://pdocs.slcgov.com/ProjectDow/ActiveXViewer.aspx?FileID=46149&MarkupID=1320>
3. Fire hydrants shall be a minimum five and one half (5½) inch dry barrel type with a control valve and drain valve at the base. The outlets of the fire hydrant shall be one - 4½ inch and two - 2½ inch national standard male thread.
<https://pdocs.slcgov.com/ProjectDow?FileID=46149&M=1321>
<https://pdocs.slcgov.com/ProjectDow/ActiveXViewer.aspx?FileID=46149&MarkupID=1321>
4. Water mains for fire hydrants shall be a minimum eight inch inside diameter and be provided with a control valve at the connection to the fire hydrant. If this lateral is sixteen feet or greater in length then a second control valve shall be installed at the tap at the water main.
<https://pdocs.slcgov.com/ProjectDow?FileID=46149&M=1322>
<https://pdocs.slcgov.com/ProjectDow/ActiveXViewer.aspx?FileID=46149&MarkupID=1322>

Plan Review Correction Sheets

- Correction sheets are stored in a central folder
- Mark-ups are documented and minimize confusion in translating standard corrections sheets.
- Hyperlink tools are added to sheets allowing the applicant quick access to issues, and reviewers quick access for review of resubmissions (this is a time saver for both parties)
- Consistent templates minimize communication errors

Tools and Communications

There are numerous mark-up tools, communication tools, and overlay tool which allows you to compare drawings a multitude of ways. (please see the User Guide for the long list)

The ability to allow file uploads from multiple source types expands the program exponentially. In addition to standard drawing and document types we are uploading; Google Earth files for mapping and location reference, developing hyperlinks which are project specific and using them to relate multiple permits on the same project. We are allowing for the upload of 3D models in an .ifc format, this couple with the Solibri model reader is allowing for both 2D and 3D viewing of the proposal. We are entering 4D as well by developing project reviews for large scale projects early in the design process, bringing the regulatory agency into the IPD model.



Q&A

Citizens/Developers/Contractors can access the “Citizen’s Access” portal to upload electronic plans for review – 24/7

- The uploaded plans would automatically be placed in the “queue”
- All divisions review simultaneously
- Review comments sent electronically and automatically
- All revisions tracked electronically
- Eliminate the need for a “print” copy until the entire revised set is approved by all stakeholders
- Improved customer satisfaction



www.slcppermits.com

<https://aca.slcgov.com/citizen/>