



as-built drawings  
utility locations  
MS4 permits  
inspection reports

**Simplified management of municipal or facility data.**

GIS mapping  
field notes  
building information  
road conditions

**You've done the hard part,  
you've built the new bridge.**

**But now you need to manage all that valuable  
information that's piling up around you.**

**Let CSDatum organize your data  
and put it to work. All in one place.**

**[csdatum.com](http://csdatum.com)**



## So what is it, exactly?

Some call it GIS, a digital file cabinet or even an asset management tool but at its core, **it's a web-based mapping application** that we, C.S. Davidson, Inc, have built from the ground up. We made it because we couldn't find a simple, intuitive tool that was tailored to the roadmaster, building owner, municipal manager, MS4 coordinator, public works director or civil engineer.

## What kinds of assets can I add to the map?

Here's the short list: roads, bridges, sidewalks, buildings, underground/overhead utilities, some permits, signs, subdivision records, manholes - almost everything you'd need to manage as a facility or infrastructure owner. Here's the full list of assets:

- **CSD Layer**
  - CSD Project
  - Inspection
  - Testing Report
- **Municipal Layer**
  - Permit
  - Plan Review
- **Sanitary Sewer System**
  - Sanitary Manhole
  - Pump Station
  - Sanitary Valve
  - Sanitary Pipe
  - Sanitary Fixture/Junction
  - Grinder Pump
- **Stormwater System**
  - Inlet
  - Stormwater Manhole
  - Outfall
  - BMP
  - Storm Pipe
  - Headwall/Endwall
  - Swale
  - Stormwater Fixture/Junction
  - Downspout
  - **Inspection Areas**
    - Outfall Inspection Area
    - BMP Inspection Area

- **Overlays**
    - Storm Sewershed
- **Combined Sewer System**
  - CSO Manhole
  - Combined Sewer Pipe
  - CSO Fixture/Junction
- **Transportation Layer**
  - Parking Lot
  - Bridge
  - Curb Ramp
  - Sign
  - Roadway
  - Sidewalk
- **Water System**
  - Hydrant
  - Water Main Valve
  - Water Line
  - Water Fixture/Junction
  - Water Manhole
  - Curb Stop
  - Water Meter
- **Gas System**
  - Gas Line
  - Gas Valve
  - Gas Meter
  - LP Tank
- **Electric System**
  - Overhead Electric
  - Buried Electric
  - Electric Meter
  - Utility Pole
  - Electric Vault
  - Light Standard
- **Steam System**
  - Steam Line
  - Steam Valve
- **Communications Layer**
  - Communications Vault
  - Overhead Communication
  - Buried Communication
  - Satellite
- **Property Layer**
  - Tree
  - Building
  - Dumpster
  - Waste Can
  - Fuel Tank
  - Suite
  - Park

## **Some permits - what exactly does that mean?**

CSDatum works great for PennDOT Highway Occupancy Permits, PADEP permits, Conservation District permits, etc. If you want to track and manage building/zoning/code enforcement permits, you might be interested in our other service, [Permit Manager](#). We partnered with CS Graphx in early 2017 and are actively rebuilding the program into a web-based program. Subscribers of both will be able to effortlessly jump between programs in a familiar interface, all under one login.

## **So it's just a map? Why is any of this unique? This isn't a new product.**

Very true - but most are too complex to use or don't have 90+ years of civil/structural engineering experience influencing them. This application is an extension of who we are, not just another piece of software. So it's more than just easily mapping your assets, it's also about *managing* those assets. Quickly generate an MS4 report, make long-range plans for your roadway system, track outstanding work orders or completed repairs on your rental units or determine how many Stop signs in your Township are out of compliance. We're constantly building tools in CSDatum to save you time and money.

## **This all sounds great - but how much does CSDatum cost?**

We've tried to keep this simple, so it's **\$2400 per year**. Unlimited users. Unlimited storage. One flat rate, that's it. And if you're a municipality in Pennsylvania, the annual cost of the program is Liquid Fuels\* eligible!

## **Unlimited storage? Are you crazy?**

Perhaps - but it's time to double down on simplicity. We want you to focus on your infrastructure needs – not how many bits and bytes you've gobbled up. We do slightly compress your photographs during the upload process to a reasonable file size (1 to 3 MB). Due to server limitations, you cannot upload a single file larger than 19 MB (which is huge) but again, you can upload as many 19 MB files as you wish.

## **Unlimited users? Why?**

Because charging per seat frustrates us too. Unlike most engineering software, **we do not charge per user**. You maintain your own account, settings, users and passwords. Our prices are all-inclusive – \$2400/year means \$2400/year total - no hidden charges.

## **Do I need to sign a contract?**

The annual subscription is obviously a one-year contract. You can choose to renew or cancel at the end of the contract.

## **How often do you update the program? How will I know what has changed?**

The program is constantly evolving and we typically publish a new feature every month or so. New updates are communicated via our 'alert' system and a full listing can always be found on our [News](#) page.

## **Who owns the data?**

You do! We will not sell your data to third parties or share with other users without your consent. If you are one of our engineering clients, C.S. Davidson employees will have the ability to work with your data to better serve you (but not your account settings). If you aren't comfortable with this, just let us know and we'll change your settings. Read our full [Privacy Policy](#) for more.

## **What happens if I cancel?**

We hate to see you go - but if you decide to cancel; we can export your data into traditional GIS files. All of your data will remain safe & secure. Please review our [Terms of Service](#) for the fine print.

## **What's your refund policy?**

Our goal is to always be fair and reasonable, we're engineers after all. Please review our [Refund Policy](#) for the fine print.

## **What equipment do I need to use it?**

An internet connection and a web-browser. Any modern phone, tablet or computer with Safari, Chrome, Firefox or IE 10+. We recommend using devices with at least 2 GB of RAM for best performance. At this time, we do not have an 'offline mode' or a mobile app (iOS or Android) so steady internet connectivity is required.

## **Is my data secure? Are you ever offline?**

Our cloud servers run 24/7 in a secure, offsite facility and we back everything up on an hourly, daily and weekly schedule. We deploy industry standard

encryption practices to ensure your data and passwords are safe & sound. On the rare occasion we take CSDatum offline for maintenance, our current window for swapping code is between 12 to 3am (Eastern Standard Time) each Monday. If for some unforeseen reason we'd need to take the site offline outside of this window, we will alert all account users via email. We work very hard to limit these occurrences and our goal is 100% uptime. Since we've launched, we've been online 99.8% and the marginal downtime was planned.

### **What if I already have my assets mapped in a GIS system?**

Great start! We can import any of your existing records into your account. It's also a two-way street, as you can export your content back into traditional GIS files.

### **How accurate is the mapping?**

As precise as you can locate the point or line on aerial imagery. In most cases, we feel this is accurate enough to store & track data. If we're importing existing GIS data; we preserve all coordinates to the 7th decimal (I.E. - 76.0123456).

### **Is this like Google Maps or a handheld GPS device?**

The program has the limited ability to 'locate' your location based on your wifi connection or data signal - or search by street address. At this time, it will NOT be as accurate as GPS device or one of the phone/tablet apps you're accustomed to using. To learn more about this feature, [read our update](#).

### **What map background are you using? How often is the imagery updated?**

At this time, we're using the Mapbox platform (Street and Aerial view) which utilizes the World Geodetic System (WGS 84) projection. We do not update these layers, all of the map content is maintained by [Mapbox](#).

### **Can we control permissions?**

As the account administrator, you can create as many users as you want and set different permissions for each one. For example, a Township Manager could have full admin control, a Supervisor could have 'view only' access and a Roadmaster could add & delete content (but not add users).

## Have more questions?

Ask away! We'd love to hear from you - drop us a message on our [contact](#) page.

We encourage you to try the [Live Demo](#) featured on our homepage which allows you to experience the program firsthand. We're also happy to meet with you and your staff for a personal demonstration.

To schedule a meeting, please contact:

Jordan Good

[jtg@csdavidson.com](mailto:jtg@csdavidson.com)

717.846.4805

\* Just to be safe, we encourage you to consult with your local municipal services representative before proceeding.

