

Evan Wagner  
Cable TV Consultant / Project Manager / Designer / Drafter / Technician  
Chico, CA 95926  
Office: (530) 896-8333, Cell: (530) 519-4431  
Email: [e.wagner@techdd.com](mailto:e.wagner@techdd.com)

## **SUMMARY**

My extensive experience in managing & maintaining both the network and the network maps (documentation) allows me to bring a very good working knowledge to most aspects of plant / infrastructure / network maintenance for any business that needs to maintain a network infrastructure.. That experience includes;17+ years of Cable TV (CATV) field experience.

- 19+ years of CAD Standards / Management.
- 15+ years of CATV Project Management.
- 25+ years of CATV Network Design experience.
- 10+ years of Data Standards / Management.

I am extremely familiar with the end-to-end process of documenting the Outside Plant (OSP) Assets and communicating those assets to the field staff.

I am currently self-employed operating as a Cable TV (CATV) CAD Project / Design / Drafting / System Administration Consultant where I have been primarily focused on the needs and solutions of the Comcast Corporation Enterprise CAD-GIS platform. While I find this work to be satisfying the level of security and/or commitment is a bit lower than I would hope for. I would prefer to work in an environment where I can be more focused on the long-term work, tasks, problem resolving, and/or needs of the company and product.

Although my past experience has been focused on the CATV industry, I have worked closely with other utilities during that time. I am confident that I can bring those same skill sets, talents, and quality of workmanship to many other industries such as Power, Telco, or Water.

## **QUALIFICATIONS**

I have 30+ years of experience in the CATV industry in a variety of capacities. This includes 25+ years of experience in the areas of Utility CAD Drafting, Design (engineering), Fiber Design, Administration, Standards Definitions & Enforcement, and Project Management along with 17+ years of CATV field experience.

My Engineering / Design / AutoCAD / Data experience combined with my field experience has made me a strong Project Manager and/or System Administrator for all aspects of documentation of the CATV Network.

I am self taught and then college trained in AutoCAD and self taught in Oracle SQL scripting. This includes experience using AutoCAD versions 12 - 2017, Autodesk Map versions 3 – 2017, and SQL Navigator software. I have CATV engineering / design experience with the Cable Tools, [Lode Data](#), and SpatialNET engineering / design software. This includes the set-up & configuration of all these listed software platforms.

For the past 20 years I have been focused on the mapping / capture / documentation of the Outside Plant Network Assets, more commonly known as system, plant, or network maps. This has included System Design & Drafting, the defining of [AutoCAD](#) Mapping Standards, Network Engineering Standards, Network Naming Standards, documenting of Drafting Practices, Data Management, and Specialized Engineering Software Development & Project Management.

Since 2010 my role has primarily been in the areas of System Configuration & Administration in the [SpatialNET](#) software and [Autodesk Map](#) platforms. A big part of those first 5 years was to support a national project to migrate all current network data into SpatialNET. This has included my working in Oracle with SQL scripts to create, update, and delete SpatialNET data as needed.

In the field I spent 17½ years with 17 of those years in some sort of technical capacity. That included positions of Service Tech, Sweep Tech, Head-End Tech, and everything in between. This field experience includes both Inside and Outside Plant telecommunications work, including Outside Plant Splicing, both Inside & Outside Plant Trouble Shooting, and Head-End Maintenance.

A list of my skill sets include;

- 25+ Years of CATV Design / Drafting / Management, Extensively Experience.
- 17+ Years CATV Field Experience / Knowledge.
- RF, Fiber, FTTx, & Microwave Knowledge.
- [AutoCAD](#) Power User.
- [AutoCAD Map](#) Power User (formerly Autodesk Map).
- [SpatialNET](#) Power User.
- Microsoft Office Power User.
- Cable Tools Power User.
- [Lode Data](#) Experienced.
- [SQL Navigator](#) Experienced.
- Oracle SQL Code / Script Writing Experienced.
- Standards Communication & Documentation, Extensively Experienced.
- CAD Drafting and Standards Training, Extensively Experienced.
- I work well unsupervised.

Evan Wagner  
Cable TV Consultant / Project Manager / Designer / Drafter / Technician  
Chico, CA 95926  
Office: (530) 896-8333, Cell: (530) 519-4431  
Email: [e.wagner@techdd.com](mailto:e.wagner@techdd.com)

## **WORK HISTORY**

### ***Self-Employed CATV Consultant***

#### ***Designer-Drafter / CAD Standards / Project Manager / Network System Administrator***

Chico, CA (530) 896-8333

January 2016 to Current

As of this writing my work has been primarily focused on Comcast post-migration SpatialNET support, with a heavy emphasis on Equipment Dictionary definitions and Data Integrity.

My primary roles in supporting Comcast Corporation in their post-migration SpatialNET needs include, but are not limited to;

SpatialNET Equipment Creation / Defining, SpatialNET Equipment Review, SpatialNET Functionality Troubleshooting, CAD-GIS Standards, Divisional or Regional Support, & Consultation.

### ***Self-Employed CATV Consultant***

#### ***Primary Consultant, Project Manager to Comcast for Migration into SpatialNET***

Chico, CA (530) 896-8333

June 2010 to December 2015

I was the primary CAD & engineering consultant to Comcast for their "eGIS" Migration Project, which was the migration of all of the system network maps company wide into SpatialNET. This included AutoCAD, Microstation, Bentley CAD, Lode Data, CaddStar, BentleyComms (Bentley Communications) engineering / design information, and some very chaotic Excel spreadsheets.

All source CAD & engineering / design data had to be redefined or "mapped" to a SpatialNET definition via various software tools & applications, some of which I developed, while on others I had input into their development.

In this role I oversaw the collection of the regional source data (source CAD & engineering / design files), managed the mapping process of that source data with multiple contractors, reviewed much of that work, and finally delivering the "mapped" definitions to the migration contractor to do the actual migration into SpatialNET.

### ***Owner, Designer, Drafter, Technical Design & Drafting***

#### ***Consultant, Project Manager to Comcast for CAD-Engineering Software Development***

Chico, CA (530) 896-8333

March 1999 to June 2010

From 1999 thru June 2010 my primary duties were CATV consulting to Comcast Seattle in the areas of Project Manager for CATV Software Development and the Management & Maintenance of the company CAD & Drafting Practices Standard. I performed this role for TCI, AT&T Broadband, and eventually Comcast. During this time I have overseen the development, maintenance, support, and expansion of a "Rules Based" CATV drafting software application known as @MApp (previously as ATT\_MApp).

The original purpose for the development of @MApp was to one day be able to move all the network system maps into a Centralized Enterprise Database, which was completed in 2015.

**Evan Wagner**  
**Cable TV Consultant / Project Manager / Designer / Drafter / Technician**

***Supervisor of MDU System Design and CAD,  
TCI Network Engineering & Construction,***

Kent, WA (425) 656-4931

September 1998 to March 1999

My primary job duties began as overseeing the engineering & drafting of all the Multiple Dwelling Units in the Puget Sound 750/860Mhz upgrade project. The position evolved into receiving, overseeing, and the management of all the delivered AutoCAD maps (file management) from the contract design houses along with the Outside Plant System Engineering / Design files that we received from those same design houses for the Puget Sound 750/860Mhz upgrade.

***Owner, Designer, Drafter  
Technical Design & Drafting***

Chico, CA (530) 893-3124

July 1997 to August 1998

Here I performed all aspects of CATV System Engineering / RF & Fiber Design / Mapping. This included system walkout, AutoCAD Drafting, and Engineering / Design of the CATV network. I completely walked-out, mapped, and designed Burney, CA (38 miles of plant) and Susanville, CA (80 miles of plant) for Century Communications.

I made all those system maps available in a "Protected Web Based" format that were available to access, view, and print to anybody at Century Communications.

I also performed an extensive Microwave survey of all of Lassen County CA in a combined effort with Lassen County, U.S. Forest Service, and California State University Chico.

***Sweep/Head-End Technician,  
Chambers Cable TV***

Chico, CA

March 1982 to March 1997

My primary duties were to sweep and maintain the trunk & distribution lines throughout the system in 6 different communities and keep all in proper operating condition. These 6 communities all had AML Microwave receivers as their hubs, which I also maintained.

As the past Head-End Technician, I was also responsible to back up and help the new Head-End Technician in whatever means possible. If there was a problem at the Head-End it was as much my responsibility to respond to it, as it was the new Head-End Technicians responsibility. This was any issue ranging from Antenna and Earth Stations, Powering problems, RF Processing equipment (Processors, Modulators, Encoders, etc.), and Microwave Transmitters.

The last 10 years of employment with Chambers Cable TV I was the In-House System Designer for all new sub-divisions / plant extensions and any local rebuilds that were needed.

**Evan Wagner**  
**Cable TV Consultant / Project Manager / Designer / Drafter / Technician**

***Sweep Technician,  
United Cable TV of the Bay Area***

Hayward & San Leandro, CA  
October 1979 to February 1982

After 6 months as an Installer I was promoted to Service Technician. One year later I was promoted to Line / Sweep Tech where I continually swept all distribution lines in the San Leandro & San Lorenzo systems. After 6 months as a Line/Sweep Tech I left to take a job in Chico, California.

**EDUCATION**

***Pierce Community College, Puyallup,  
Washington***

ENGR 108, Advanced AutoCAD, Dec  
1998, Grade "A".

***Butte College, Oroville, California***

DFT 32, Intermediate AutoCAD, May  
1998, Grade "A".

***Butte College, Oroville, California***

DFT 12, Beginning AutoCAD, Dec.  
1997, Grade "B".

("A" work, but lost a grade for attendance. The attendance problem being I was out of town operating my business.)

***Butte College, Oroville, California***

CSCI 60, Microcomputer Applications:  
May 1997, Grade "A".

***Livermore High School, Livermore,  
California***

Graduated: June 1978.

Majors: Mathematics, Electronics,  
Drafting, and Surveying.

Sports: Lettered in soccer. Additionally I  
played baseball and football.

**CERTIFICATES**

***SPATIALinfo***

SPATIALnet Fiber Management, Jan  
2005, Grade "Passed".

***Autodesk Systems Center Solutions  
Training***

Autodesk Mapguide 4 - Technical, April  
2000, Grade "Passed".

***Autodesk Systems Center Solutions  
Training***

AutoCAD Map 4 - Advanced, Oct 1999,  
Grade "Passed".

***N.C.T.I., National Cable Training  
Institute***

Advanced Technician course:  
Completed March 16, 1993.

***N.C.T.I., National Cable Training  
Institute***

System Technician course: Completed  
June 4, 1992.

**REFERENCES**

***Curtis Hannah***

Corporate Director of Engineering & Operations  
Comcast  
1701 John F Kennedy Blvd  
Philadelphia, PA 19103  
Current Cell: (215) 910-0581  
(Former Supervisor & Co-Worker)

***Sean Bristol***

Senior Director HFC Construction Standards & Compliance  
Charter Communications (Denver, CO)  
and  
Sr. Director Planning, Design & Construction (Formerly)  
Comcast (Puyallup, WA)  
Current Cell: (253) 219-4068  
(Former Supervisor & Client)

***Larry Thurmond***

Construction Manager  
Horizon Communications (Lynnwood, WA)  
and  
Network Operations Manager (Formerly)  
Comcast (Seattle, WA)  
Current Cell: (206) 817-7221  
(Former Co-Worker)

***Others***

Available upon request.

**PERSONAL INTERESTS**

**Slow Pitch Softball:**

I have enjoyed playing Men's softball for the past 25+ years. I have primarily been a middle infielder with the past 15 years primarily at 2nd base. I've played in both recreational beer leagues and church leagues over those years. I've played on 1st place teams, last place teams, and everything in between, but have enjoyed each & every one of those seasons.

**Camping / RV'ing:**

I have a medium size camp trailer; my wife calls it our "B&B on Wheels". We enjoy vacationing with it in the warmer months in the mountains of Northern California, wishing we had the time to explore other areas. On these trips we enjoy walking, biking, bird watching, and of course relaxing. Someday soon we hope to add lake kayaking to this list.

**Trout Fishing:**

I have my California Lifetime Fishing License. I enjoy high country stream / river trout fishing in both the Cascade & Sierra Nevada Mountains of Northern California. I both fly fish & drown worms as my primary methods of take.