

Minutes
Public Works Committee
May 20, 2019 6:00 P.M.
Council Conference Room

Those present:

Matt Corcoran, KLJ-City Engineers
Kurt Markegard, Staff Advisor
Emelie Eaton, Chair
Karl Dan Koch
Marvin Carter
Bill Mountsier
Richard Herr
Heidi Sparks

The meeting started at 6:00. There was no public in attendance.

General items

1. Review and approve minutes of March 21, 2019 meeting. The minutes were reviewed. Richard Herr moved the minutes be approved as written. K. Dan Koch seconded.
2. Emergency Call Outs. There had only been five call outs since those reviewed at the March meeting. On March 19 the water at 2414 Lackawanna was shut off due to a leak. On March 22 the backwash pond at the Water Plant needed pumping out because the ice went out in the river. On March 24 the pump at the Water Treatment Plant was moved because they had filled the spot they were pumping to with mud. On April 18 the water was turned on at 2618 Topeka. On May 8 there was a sewer issue at 1220 Fourth Avenue which turned out to be a homeowner problem and not a City issue. There had been no after hours water breaks and issues that have arisen are being dealt with during the day for the most part.

New Business

3. Report on City wide cleanup

This item was on the agenda because Chairwoman Eaton had learned several constituents were misunderstanding the City's role in this cleanup effort. Public Works Director Markegard stated that as long as he has been an employee of the City there has been participation in a spring citywide cleanup. He stated it started with Jean Carrol Thompson and she coordinated with Bright and Beautiful. Then a few years back Vi Hills

began coordinating the event and worked with Laurel Churches and received some help from Bright and Beautiful. The Public Works Director then recited the amounts of garbage that had been taken in during the one day event which included 10 forty yard containers that had been filled and 32 tons of materials that were hauled to the Billings landfill. When it was expressed that certain citizens thought that the City was going to go up and down every alley picking up garbage left beside containers and emptying the garbage cans the Public Works Director stated that the City's participation is limited to the four employees who go down the alleys and pick up what has been requested to be picked up (people need to call in ahead of time and a work order needs to be completed), the organization of those work orders and the organization of the employees by staff; the payment of the cost to haul 32 tons of material to the Billings landfill; and the waiver of fees at the Laurel container site for City residents. Richard Herr stated that it is his recollection that in 2006 Vi Hills began organizing the clean up and coordinating with churches; that he has participated in cleanup efforts with his church and that individuals from churches also used to help haul away garbage left in alleys. Marv Carter stated that the effort was advertised on the bottom of the City water bill. Bill Mountsier stated that the assumption was that if advertisement is printed on a City document it is a City project; which does not help alleviate the confusion that was being discussed. K. Dan Koch stated that he had failed to call in a request to have a tree stump hauled off but had attached a note to which stated: "Please Take Me". He stated that indeed, someone had taken the note and left the stump. The Public Works Director stated that the church groups were painting curbs and cleaning up under the underpass as participation in a "Day of Caring". He stated that the City will be hosting the fall clean up where residents have the opportunity to put out bags of leaves, branches and mostly yard debris. He cautioned that various locations in Laurel have been experiencing an outbreak of bed bugs. He cautioned everyone to NOT handle other's mattresses, chairs or couches. These are to be picked up with a backhoe to protect individuals and limit the spread of the bugs.

4. Grain Silos

This item was on the agenda because Committee Chairwoman Eaton had heard various rumors already spreading about what the land was going to be used for. Public Works Director Markegard stated that the property next to Hardees where the grain elevators stood is still a part of the Sam McDonald estate. The estate had applied for an Asbestos Certified Demolition Permit as well as a Large Grant from the TIF District and that the time to use the Large Grant monies was expiring. He stated that First Mark was the contractor for the project, which only included tearing down

and hauling away the silos and building that were on the property. He stated the City has not received any documents for a new building; the property has not been sold; there will NOT be a round-about going in at the top of the underpass and there are approach permits that are being looked at for access onto the property. Several committee members stated the work was excellent and the site looked much better now. Bill Mountsier inquired about the age of the buildings. Both the Public Works Director and Emelie Eaton had done research on this topic and the brief summary is that the original wooden flour mill was built somewhere between 1903 and 1908. In *The Centennial*, written by Gay Easton and Emelie Eaton, there is a photograph of that flour mill in the far background of a picture taken from atop the water tower that used to be in what is now Thompson Park. In approximately 1935 that flour mill burned to the ground and the current metal and concrete buildings were put in its place on May 28, 1956 by Ken Hagemann.

5. Water and Sewer Maps and Design Standards for Public Works Infrastructure

Public Works Director Kurt Markegard introduced Matt Corcoran from KLJ, the City Engineering firm. Kurt stated that in 2003 an Intern was hired to gather infrastructure information. This information was then compiled in 2008 by Great West Engineering and are the maps that the City uses currently. Unfortunately, much of the information has not been updated and many times City crews will arrive on a job and have incorrect information regarding the size of the pipe they will be working on; whether the pipe is PVC or cast iron; and in some instances even the location of the pipe or whether the pipe actually exists have been wrong. It would save the City a lot in lost worktime to have the correct information for crews. Matt Corcoran stated that in Billings the information is all on-line and layers of information can be added or removed telling about information like pipe size all the way to distance from a STOP sign. The Public Works Director stated this is a project being planned for the next fiscal year which will not begin until July 1, 2019. Bill Mountsier stated he could certainly see how updated maps could save City crews time. The Public Works Director stated that crews have learned to show up to a job with parts they anticipate will be needed. However, recently they have not had correct information and have turned to former City employees, now retired for as long as 12 years, to rely on their knowledge. Heidi Sparks asked Matt Corcoran how long he thought it would take to compile computer friendly maps. Matt Corcoran replied that it would take approximately three months if all the information is correct. He stated that they have the data but need to update it with recent projects and what has been identified as incorrect. He stated that

the newer projects will provide better information. Heidi inquired what a GSI online subscription would cost. Matt Corcoran stated they cost between \$100 to \$500 depending on how many layers the City wants to add and that the software allows as many as five users online at any time. Both K. Dan Koch and Heidi Sparks inquired as to who would confirm the pipe size and verify its location. The Public Works Director relayed that he had recently discovered some lost paperwork which he thinks will help fill in much of the incorrect information. He stated that there are blueprints that fill in a 20 year gap of lost information about Special Improvement Districts. Chairwoman Eaton made a motion stating the Public Works Committee approves of and supports KLJ's proposal to gather all the information and maps now in existence from all the various sources and compiling it into an online format for use by City crews. Heidi Sparks seconded the motion. The motion was unanimously approved. The Public Works Director then moved the committee on to the second half of this agenda item. He produced the *Standards for Public Works Improvements for the City of Laurel, Montana* and the *Rules and Regulations Governing Utility Services and Streets*. The committee was well familiar with both of these publications after having been familiarized with them most recently when discussing an issue of xeriscaping on boulevards and what the City could or could not do to enforce perceived violations. The committee was well aware of the need to update both documents. Matt Corcoran stated that the time frame to update both documents would be approximately five months, if approved as a budget item. Thus, work would not begin until after July 1 and then a draft would have to be presented to Council and staff would also have a chance to have additional input. Heidi Sparks inquired about making homes retroactively have people conform to the new rules. The answer is that the City could not make someone redo their yard or boulevard but any new work done would have to conform to the new standards. Karl Dan Koch stated that this would help with the City wide problem of putting in culverts instead of drains. Richard Herr relayed that the culvert near his home has only increased over time and homes still get flooded. The Public Works Director relayed a story about a relatively new business that learned the importance of proper drainage. Heidi made a motion stating this committee fully supports and approves of KLJ's efforts to update both the *Standards for Public Works Improvements for the City of Laurel, Montana* and the *Rules and Regulations Governing Utility Services and Streets*. Chairwoman Emelie Eaton seconded the motion which was unanimously approved. Public Works Director Kurt Markegard stated that he sincerely appreciates that Matt Corcoran is working on behalf of the City and has the City's best interested in mind with these projects.

Old Business

6. Engineering Reports

The May 17, 2019 Project Progress Update Memorandum from Great West was supplied to all members and reviewed first.

A. The first item in that document is the “New Water Intake”, which the Public Works Director stated was dealing with the wetland restoration. The memo states that Great West needs to supply the Army Corp of Engineers with additional information. The City needs to continue to monitor the length of the pipeline to make sure the grasses are continuing to grow. The City did purchase wetland grass seed for planting in bald spots.

B. The second item was “Water System Improvements”. The Public Works Director stated that new plate settlers should arrive tomorrow, May 21, 2019. He stated that 70 degree temperatures are needed for the mastic to cure. Crews will be trained in June on the new equipment, how it functions and how to work with it. Kurt would like to have a tour of the new site on July 23rd for the entire committee as well as the full Council. Richard Herr questioned whether that meant that the new Sed Basins will be online and providing water to the refinery. The answer is that they are currently.

C. The third item was “Water System Improvements” which discusses lowering the 2003 intake and supplying raw water to the refinery. As was stated in the previous item discussion, raw water is currently being supplied to the refinery.

Kurt had supplied copies of KLJ’s May 15, 2019 City of Laurel Project Status Update

WWTP Screw Press/Digester Rehabilitation

The Council will vote tomorrow, May 21, 2019, to approve Change Orders 1 & 2 which will pay for unanticipated extra work already performed. The Update states that the screw press is scheduled for shipment on May 16th and the Public Works Director stated that it should be in Laurel at any time.

H2S Remediation

Two rounds of samples were collected last summer. The area was monitored for H2S in April of this year. It is anticipated that with all the data received a solution should be agreed upon by late next month and the project should go out to bid by mid-July. When questioned about the suspected high H2S from BNSF the committee was told that, as per the previous discussion, the City’s *Rules and Regulations Governing Utility Services and Streets* are out of date and there is no recourse the City has at this time. At present the City has to ask BNSF for permission to come on its property and take samples. If high readings continue to be present in these samples the City can only ask BNSF to help.

2018 Pavement Maintenance Project.

The Committee was referred to "Other Notes and Information" in reference to the frost heaves throughout the community. Current estimates are over \$415,000 to repair what has been identified.

East 6th Street

June 10 has been identified as a potential start date with a 60 day construction contract so the project will finish by the time school starts.

Richard Herr inquired as to whether there would be a driveway approach because the map of the project did not show one. The response was that there would be a driveway approach. Herr then inquired as to whether the millings from the current street couldn't be used to make repairs throughout town. The response was that millings from E. 6th Street are not going to be of good quality would not benefit another project.

LURA Infrastructure

The Public Works Director stated that he is going to request KLJ change the name of this project as there is a lack of support from the TIFD committee but that the Mayor has instructed Staff that this project will move forward. Richard Herr stated that at the LURA meeting earlier today that committee chair stated that the taxes are paid by the businesses throughout the district and that they do not see why their tax money should be spent on three East End streets. The Public Works Director stated that the taxes are paid by everyone in the district, not just businesses and that the three streets in question are in the TIF District and will specifically help businesses with sidewalks, approaches and streets.

K. Dan Koch inquired as to timing. It was reiterated that the Mayor has stated this project will move forward and the SID is hoped to be created by late summer or early autumn.

Pavement Management Plan

This is in draft form and is being reviewed by Public Works Department.

2019 Pavement Maintenance

Work is expected to run through June, 2019.

On-Call Professional Services

Much of this information referenced handing projects over to the new City Planner, Nick Altonga.

Laurel Planning Services

Much of this information referenced handing projects over to the new City Planner, Nick Altonga, from New Hampshire, who has been hired as the City Planner. Nick has a degree in Planning. Richard Herr inquired whether Riverside Park would be open by Memorial Day. The Public Works Director stated that was his intention but since Memorial Day weekend is this weekend, he was not certain. He stated that this bathroom, up by the boat ramp, was the first of three bathrooms that are

planned for Riverside Park. All need to be above flood plain. The current flood plain is approximately 16 inches below the floor of the current bathroom. Richard Herr then inquired as to whether the current (old) bathroom could be used as a shelter to show off some of the historical signs in the park as it would only need to have one wall knocked out and currently has a flood light and lights inside. The Public Works Director stated this was the first he had heard of this idea. Mr. Herr stated it was the first time he had brought it up. Discussion followed revolving around the fact that most existing structures at Riverside Park would need to be raised at least two feet to be above flood plain level.

Other Notes and Information

Anticipated FY19 Projects

Items 1, (Repairing 2019 pavement damage) 2, (Review of development rules) and 3, (updating utility maps) had previously been discussed. Chairwoman Eaton drew the committee's attention to item 6 (West Railroad Street coordination) and the update from Mayor Nelson that was read at the previous week's Council workshop. The Public Works Director stated he had just received an email from Senator Jon Tester's office regarding TIGR grant and the BUILD Grant Program as possible sources of funding.

Other Items

Marvin Carter announced that he had been to Senator Tester's office recently and he was responsible for the email Public Works Director Markegard had received. He also stated that there is a boat parked on Durland Avenue that has not been in water for the last five years. It was explained that this was a Police Department issue, not a Public Works issue and that the Emergency Services meeting held in the next room had adjourned some 30 minutes ago. The Public Works Director then displayed his computer screen on the wall for all to see and sent an email to the Chief of Police so the entire committee could witness that he passed the information to the correct people.

7. Announcements

The next meeting will be on June 17th, 2019 at 6:00 p.m. in the Council Conference room.

The May 20, 2019 Public Works meeting was adjourned at 7:57 p.m.

Respectfully submitted,
Emelie Eaton
Public Works Chair

May 20, 2019

Public Works Emergency Call-outs since last meeting in March

3-19-19 Water shut off 2414 Lackawanna

3-22-19 Backwash Pond at the Water Plant needed pumping out

3-24-19 Move pump at WTP

4-18-19 Water Turn on at 2618 Topeka

5-8-19 Sewer issue 1220 4th Ave



MEMORANDUM

Date: May 17, 2019

To: Kurt Markegard, Public Works Director – City of Laurel

From: Chad E. Hanson, PE

Subject: Project Progress Update

The following sections summarize the current status and recent progress on active task orders under our "on-call" engineering contract with the City. Please let me know if you have any questions and/or would like more information.

Task Order No. 26 – New Water Intake

We submitted the additional documentation for the wetland restoration along the transmission main route requested by Robert Cole with the Army Corps of Engineers on the City's behalf. We met with Mayor Nelson, PWD Markegard, and Mr. Cole in our Helena office on March 28th to discuss Mr. Cole's review comments in response to the submittal and outlined necessary additional information that needs to be submitted. We are currently preparing a draft response to the Army Corps.

Task Order No. 29 – Phase 3 Water System Improvements

COP Construction continues making progress on the project. Both trains of the new plate settlers are currently on-line and providing temporary treatment of high turbidity water from the river caused by spring runoff. We have been providing on-site observation as applicable, holding weekly update meetings with the City, and conducting weekly construction progress meetings with the City and COP Construction. We have also continued to respond to requests for information (RFIs) from the Contractor and to review submittals as they are received.



Task Order No. 38 – Phase 4 Water System Improvements

No work has been performed since the Progress Update Memo dated July 10, 2018, which stated:

The Phase 4 Improvements include lowering the 2003 intake, adding an additional raw water pump at the WTP, and installing VFDs on all of the large raw water pumps. TSEP and DNRC grant applications for the project were submitted in the spring of 2016 but fell below the funding line. The City needs to complete the lowering of the 2003 intake to comply with the Army Corps permit for the new intake but is undecided on a schedule for the work.

We have done no work on the project and will not until so directed by the City.



*City of Laurel Project Status Update
May 15, 2019*



WWTP Screw Press (KLJ #1804-00120)

Project Manager: Travis Jones/Doug Whitney

Reason for Project: The City's WWTP does not currently have adequate sludge handling equipment, which has led to overflowing and backup of the drying beds, digesters, and various other WWTP components. Completion of this project will allow for improved operations and allow for maintenance of the digesters, which cannot be taken offline until this project is completed.

Project Scope: Design and construction of a new screw press to process WWTP sludge.

Milestones:

- Preconstruction meeting was held December 13th
- Notice to Proceed will be January 7, 2019 (150-day contract)

Current Status:

- Submittal process is underway.
 - Submittals are up to date
 - PWTech submittal received 2/11/19
- RFIs are up to date.
- Sludge dewatering is completed, and dewatering subcontractor has moved off site.
- Digester B has been drained and cleaned.
 - Repair work on digester B have been completed.
 - Change Order No. 2, for these repairs, has been presented to the Council.
 - Digester B has been returned to service.
 - Contractor has made a claim for additional pumping.
 - Change Order No. 1 for the undisputed amount has been presented to the Council. The disputed amount will be negotiated at a later date.
- Digester A has been drained and cleaned.
 - Contractor is preparing to sand blast interior.
 - Inspection and repairs will take place after sand blasting.
 - Recoating of the interior will take place after the repairs are completed.
 - Contractor has made a claim for additional pumping. This is currently under review.
- One sludge transfer pump has been removed.
 - Both transfer pumps are on site.
 - Installation of one of the pumps is underway.
 - A Work Directive for a replacement pressure sensor has been prepared.
- The housekeeping pad for the screw press has been installed.
 - The screw press is scheduled for shipment on May 16th.
- The sludge cake discharge line penetration through the wall has been completed.
- The frame work for the roll-off structure is underway.
- The yard piping has been installed and backfilling is underway.



WWTP Digester Rehabilitation (included in the Screw Press project)

Project Manager: Travis Jones/Doug Whitney

Reason for Project: The City has not taken down the digesters for routine cleaning, inspection, and repairs for several years. This is due to inadequacy in the sludge handling equipment.

Project Scope: Complete the design and construction administration for the cleaning, inspection, and repairs of the existing digesters.

Milestones: (see WWTP Screw Press project)

Sanitary Sewer H₂S Remediation (KLJ #1804-00122)

Project Manager: Doug Whitney

Reason for Project: Buildup of H₂S within the WW collection system has led to deterioration of manholes and other system components.

Project Scope: Complete the design and construction administration for the proposed air injection/diffuser system to address H₂S build-up within the system.

Milestones:

- Sewer sampling plan submitted to the City.
- Sewer samples collected on July 19th.
- Results of sewer sampling received on July 30th.
- Analyses of sampling and recommendations for a second round submitted on August 3rd.
- Second round of samples collected on August 14th.
- Second round of sampling results received on August 27th.
- Results of second round of sewer sampling received on Sept 25th.
- H₂S monitoring: April 2-19, 2019. Completed
- Recommendation from Manufacturer: Was planned for April 30, 2019
- Updated TM with cost estimate: May 17, 2019.
- 60% Plans and Specs: June 6, 2019
- 100% Plans and Specs: June 20, 2019
- Advertise for Bid: June 25, 2019
- Bid Opening: July 16, 2019
- Design of recommended improvements is anticipated for May 2019.

Current Status:

- City has requested that KLJ proceeds with improvement design independent of future sampling.



2018 Pavement Maintenance (KLJ #1804-00123)

Project Manager: Carl Jackson

Reason for Project: This continues the City's annual pavement maintenance. As a result of significant freeze-thaw during the 2017-18 winter, several City streets have significant pavement damage.

Project Scope: The 2018 scope is hot mix asphalt for repaving West 4th Street (6th Ave. - 8th Ave.) and pothole repairs on West Railroad Street.

Milestones: Construction is complete. Striping was completed May 9-10.

Current Status: The project will be close-out soon.

East 6th Street Improvements (KLJ #1804-00121)

Project Manager: Carl Jackson

Reason for Project: Street reconstruction between 1st Ave. and Wyoming Ave. to address failed pavement, saturated subgrade conditions and surface runoff improvements. UPDATE: the scope recently changed to include new water main from Pennsylvania to Wyoming.

Project Scope:

- Grading, paving, parking, and drainage enhancements (minor water main in Wyoming)
- Special Improvement District (sidewalks, driveways), pending approval
- Safety improvements
- Water main from Pennsylvania to Wyoming, including the Wyoming intersection valves.

Milestones:

- Bidding – April/May 2019
- SID creation – May/June 2019
- Construction – completed before August 2019 start of school year

Current Status: Construction phase is about to begin, starting with the preconstruction meeting on May 21, 2019.



LURA Infrastructure Improvements (KLJ #1804-01309)

Project Manager: Carl Jackson

Reason for Project: Reconstruction and rehabilitation of streets, utilities and various other infrastructure improvements including Washington Ave., Idaho Ave. and Ohio Ave. generally bound between E. Main Street and E. 1st Street, as well as E. 1st Street generally bound between Washington Ave. and Alder Ave.

Project Scope: Preliminary engineering, SID creation, design, bidding and construction.

Milestones:

- Survey & Geotechnical field work – complete
- SID creation – Summer/Fall 2019 (tentative)
- Design & Bidding – ongoing (Phase 1)
- Construction – Phase 1 will be a late-summer/early-fall construction project

Current Status: after meeting with the City leadership on May 3rd it was determined to phase the project. KLJ recommended a phasing plan to start with alley sanitary sewers and the north-south streets for phase 1.

Pavement Management Plan Update (KLJ #1804-01970)

Project Manager: Bryan Vanderloos

Reason for Project: Develop an updated pavement management plan (PMP) including MDT and City streets within the Laurel corporate limits. This will be used for prioritizing the City's annual pavement maintenance projects, along with satisfying MDT's requirement that the City update its PMP on a regular basis to be eligible for certain future State funding.

Project Scope: Conduct a field inventory by assessing paved streets utilizing the Pavement Surface Evaluation and Rating (PASER) methodology. A rating of 1-10 will be given to each road segment based on distresses such as cracks, ruts, potholes, etc. Known roads that have failed pavement sections and are in disrepair will not be evaluated, and simply given a poor rating.

Milestones:

- Final edits are complete, and the final draft was given to Kurt and Matt.
- Any final comments from the City are requested by May 28th.

Current Status: Once we have received final comments from the City, we will finalize the report.



2019 Pavement Maintenance (KLJ #1904-00230)

Project Manager: Bryan Vanderloos

Reason for Project: This continues the City's annual pavement maintenance.

Project Scope: This year's project entails crack seal, chip seal, pavement markings, and other miscellaneous items on the following streets: South Washington Avenue; 5th Avenue from West Main Street to West 2nd Street; Cottonwood Avenue from East Main Street to the Ditch Crossing; East 8th Street from 1st Avenue to Pennsylvania Avenue; and Pennsylvania Avenue from East 8th Street to East Maryland Lane.

Milestones:

- Bidding – complete
- Construction – April-June 2019

Current Status: Crack sealing was completed April 17th. Contractor Application for Payment No.1 was submitted to the City. We are awaiting chip sealing in June.

On-Call Professional Services (KLJ #1804-00347)

Project Manager: Carl Jackson

Reason for Project: This contract would enable KLJ to provide consulting services that are not part of an approved task order. Generally, this would apply to situations where KLJ's fees are small enough that a separate task order is not necessary, or for time-sensitive matters.

Project Scope: Services may include engineering, surveying, planning or government relations.

Milestones: (as needed)

Current Status:

- During the 5/14 bi-weekly meeting KLJ was asked to evaluate funding options for the future West Railroad Street reconstruction project. We'll work with City leadership to agree on the planned approach to this, before proceeding.



City of Laurel Project Status Update
May 15, 2019



Laurel Planning Services (KLJ #1804-00554)

Project Manager: Forrest Sanderson

Reason for Project: KLJ has been retained to provide City of Laurel planning services during the interim period, while the new City Planner takes on all of the roles associated with the position.

Project Scope: Planning services may include: subdivision, zoning, development, floodplain hazard management, miscellaneous reviews and other related work. KLJ will prepare staff reports, recommendations, and attend meetings upon request.

Milestones: (as needed)

Current Status:

Floodplain Management – Joint Application for improvements at Riverside Park will need to be completed and a Floodplain Development Permit issued. Post issuance routine inspections and certifications will need to be performed.

Subdivision Review – Subdivision Review has been transferred to the City Planner. KLJ Staff are available to assist as necessary.

Zoning – Zoning has been transferred to the City Planner. KLJ Staff are available to assist as necessary.

Riverside Park Campground (KLJ#1904-00634) – The project will be transferred to Mike Bender for design and management where Forrest has a regulatory role as City Floodplain Administrator. Forrest will remain as project liaison between City and Project Manager.

Planning – The Planning Documents of the City of Laurel either need to be updated to comply with statutory mandates or have been discussed for updates by Staff or appointed Boards. The Planning Documents include, but are not limited to:

- Growth Policy (Statutory)
- Subdivision Regulations (Statutory)
- Zoning Regulations (Optional)
- Capital Improvements Plan (Optional)



Other Notes and Information

Other potential projects have been identified during recent conversations between City staff and KLJ. City Public Works staff and KLJ task leaders meet bi-weekly to discuss current and future projects. As these are tentative, the timing and extent of KLJ's services are TBD, unless noted otherwise.

Anticipated FY19 Projects

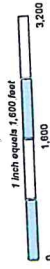
1. Repairing 2019 pavement damage
 - a. Task order planned for June 4th approval
2. Review of development rules and regulations (related to public works and planning)
 - a. Task order planned for June 4th approval
3. Updating City utility maps and GIS
 - a. Task order planned for June 4th approval
 - b. City would like updated maps and to explore better uses of GIS information.
4. Booster station rehabilitation or replacement (task order forthcoming)
5. Capital Improvement Plan (CIP) assistance – pending further direction from the City.
6. West Railroad Street coordination
7. Water storage tank

Other Potential Future Projects

1. WWTP Archimedes Screw Rehabilitation
2. Examining engineer review of 3rd Party submittals to City
3. Lion's park grant application assistance
4. On-call government relations
5. West side groundwater remediation

LAUREL MONTANA

Yellowstone County



Legend

- Index Grid
- City Limits
- Primary Road
- Secondary Road
- Local Road
- Trail
- Pedestrian Trail
- Railroad
- Pipeline
- Power Transmission line
- Perennial Stream
- Intermittent Stream
- Perennial Canal
- Intermittent Canal

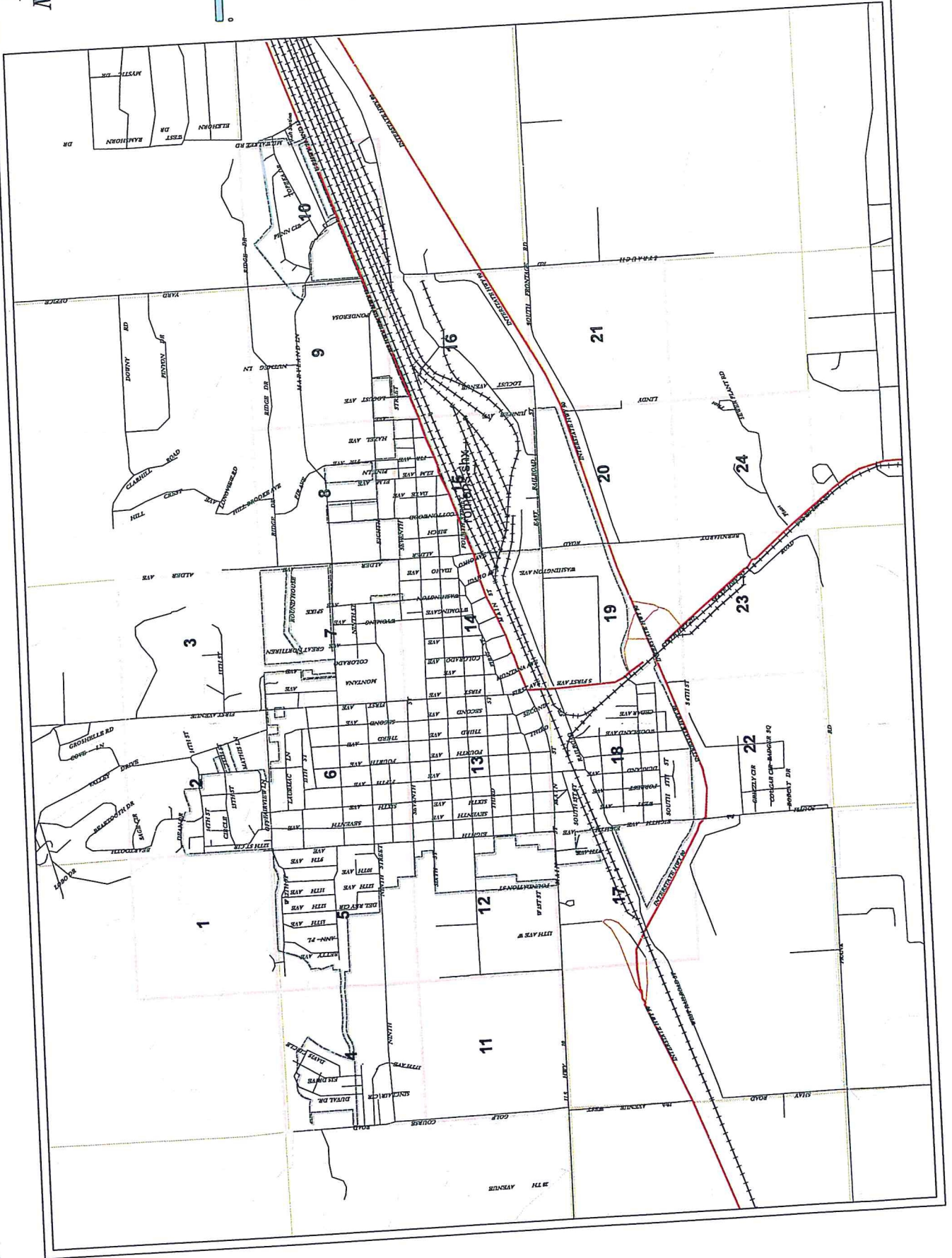
Montana Key Map



Map Book Prepared By:

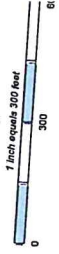


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LAUREL MONTANA

Yellowstone County
Township 5S Range 54E
Section 5 QtrSec 4



Legend

- Index Grid
- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks/Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

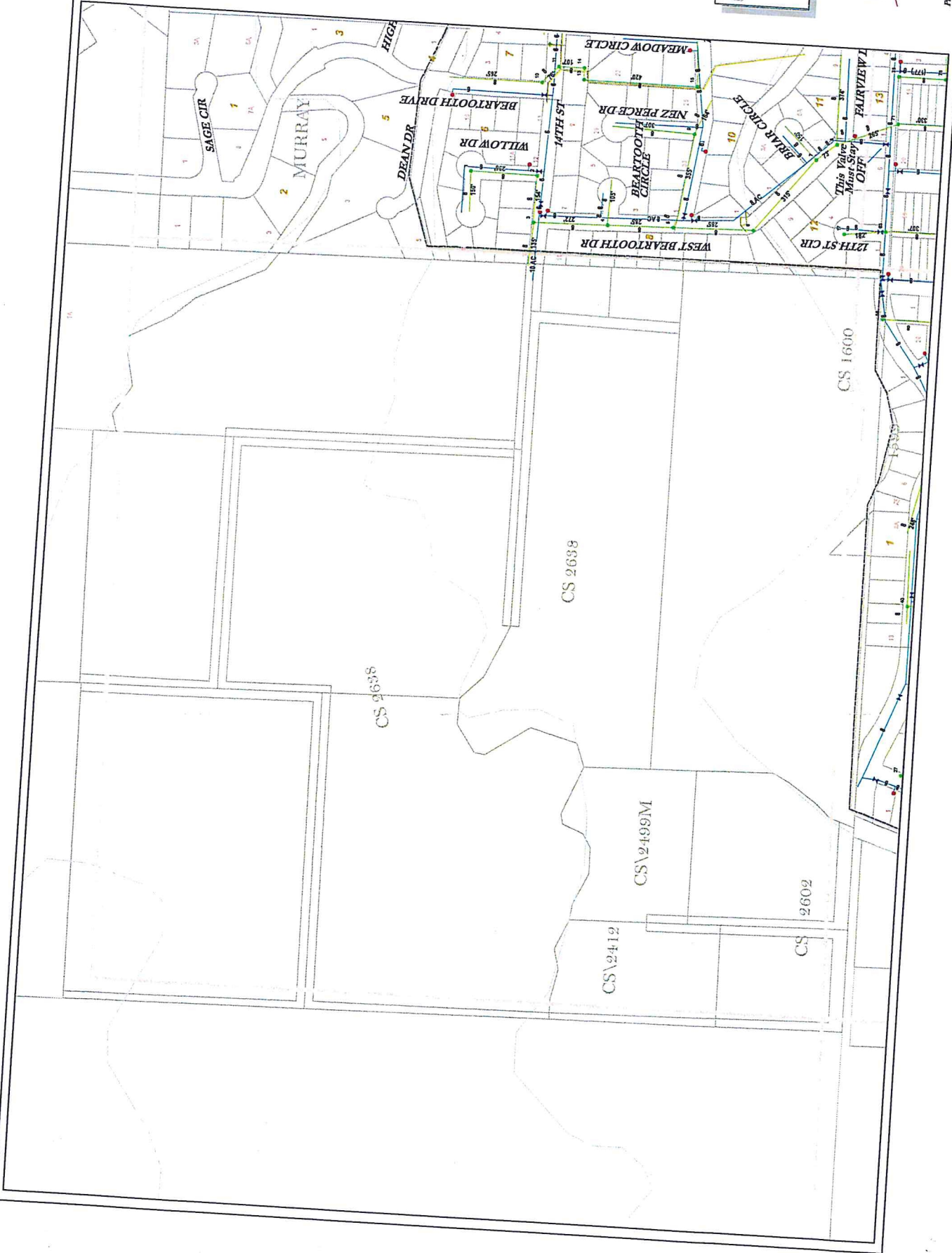


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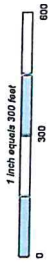
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LAUREL MONTANA

Yellowstone County
 Township 2S Range 94E
 Section 4 Qtr 2E



Legend

- Index Grid
- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks Canals
- Lots & Blocks
- Sanitary ManHoles
- Storm ManHoles
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map

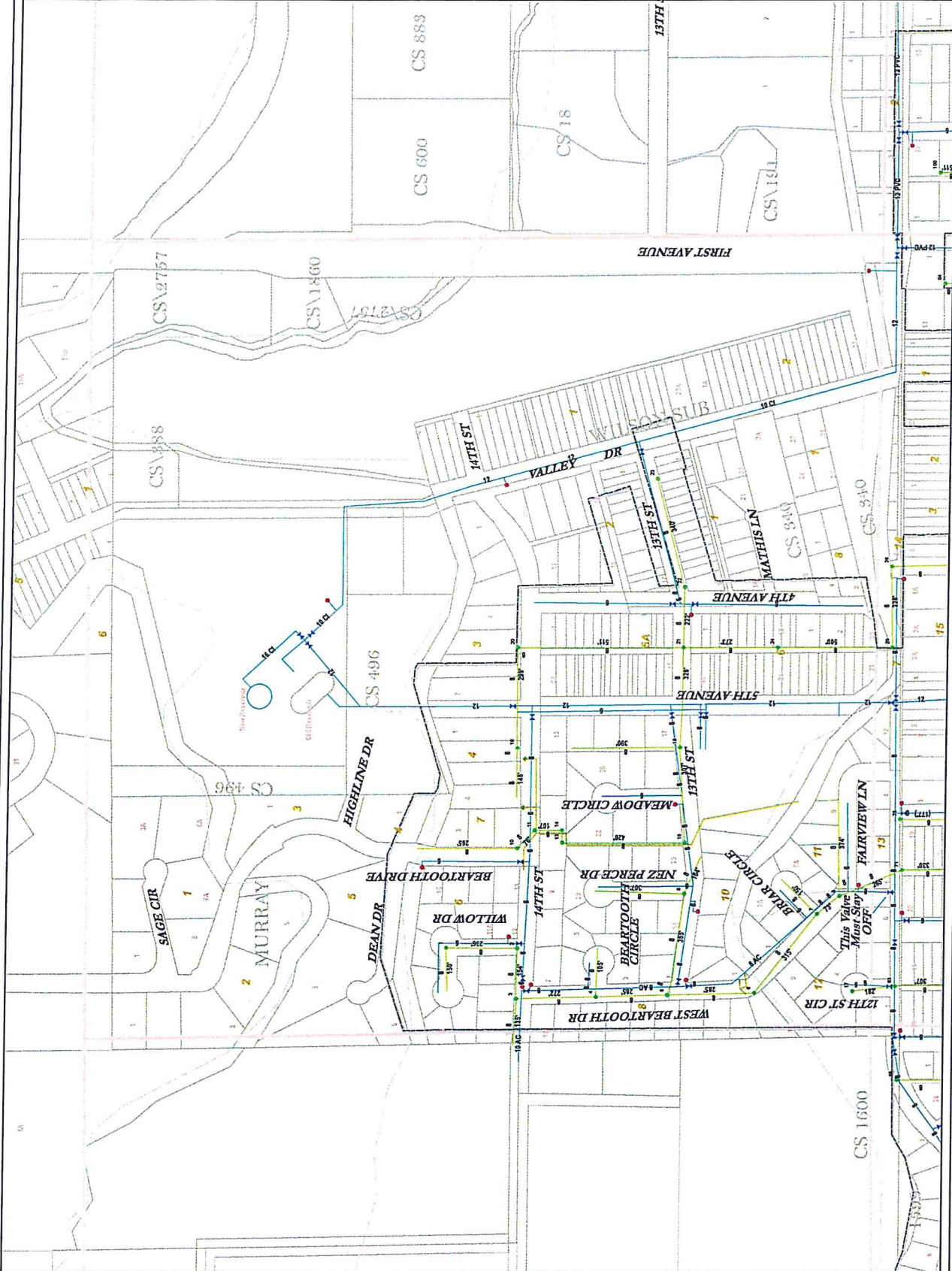


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LAUREL MONTANA

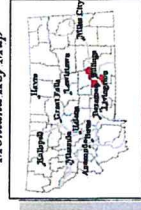
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Township 25 Range 54E
Section 4 Grid 4



Legend

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- City Limits
- Sanitary Sewers
- Storm Sewers
- WaterLines
- Creeks Canals
- Lots & Blocks
- Sanitary ManHoles
- Storm ManHoles
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

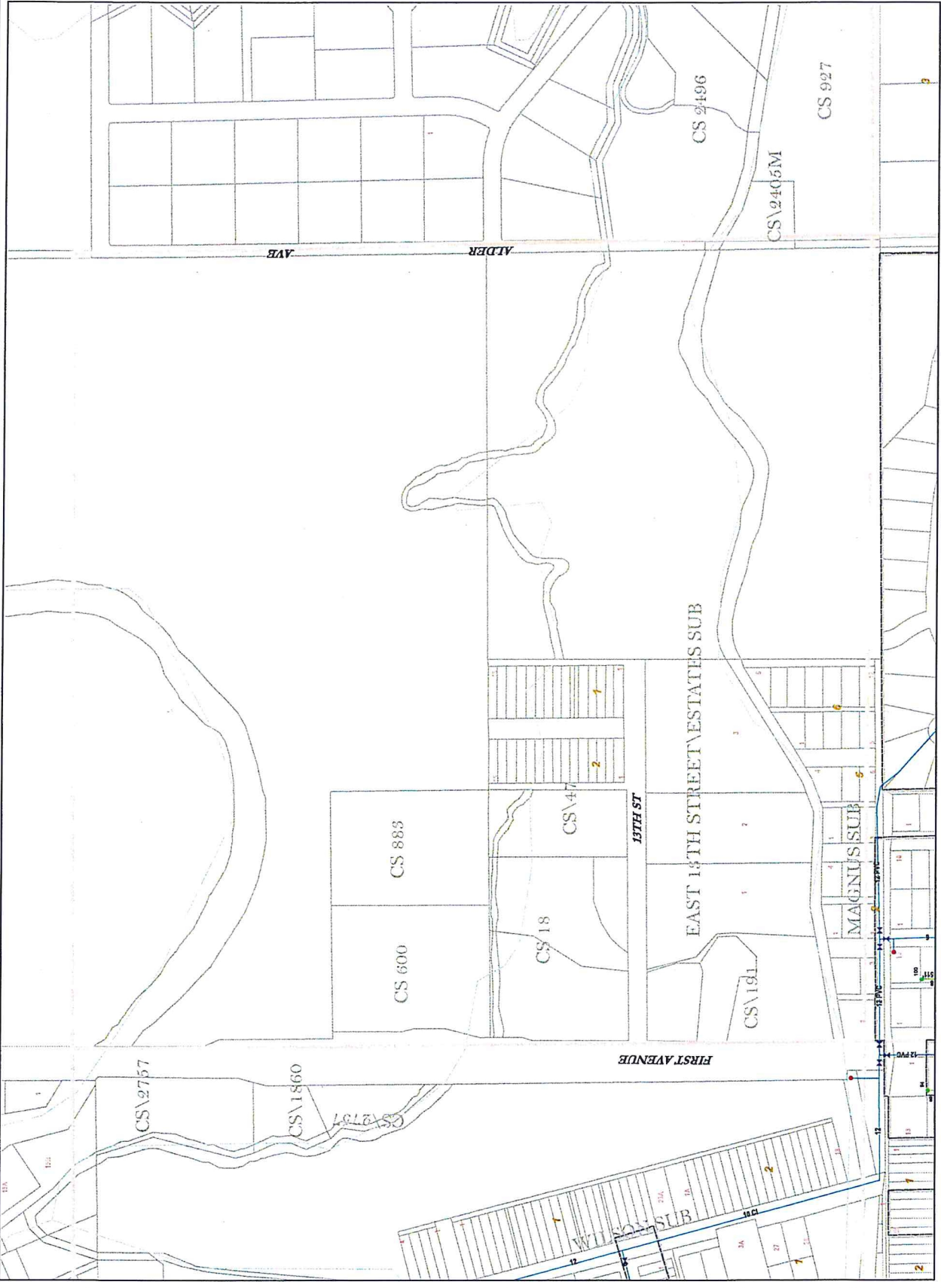
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LAUREL MONTANA

Yellowstone County
Township 5S Range 54E
Section 8 QtrSec 2



Legend

- Index Grid
- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map



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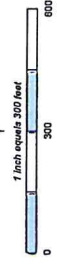
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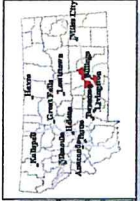
LAUREL MONTANA
 Yellowstone County
 Township 5S Range 64E
 Section 8 Q106c1



Legend

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- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks/Canals
- Lots & Blocks
- Sanitary ManHoles
- Storm ManHoles
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

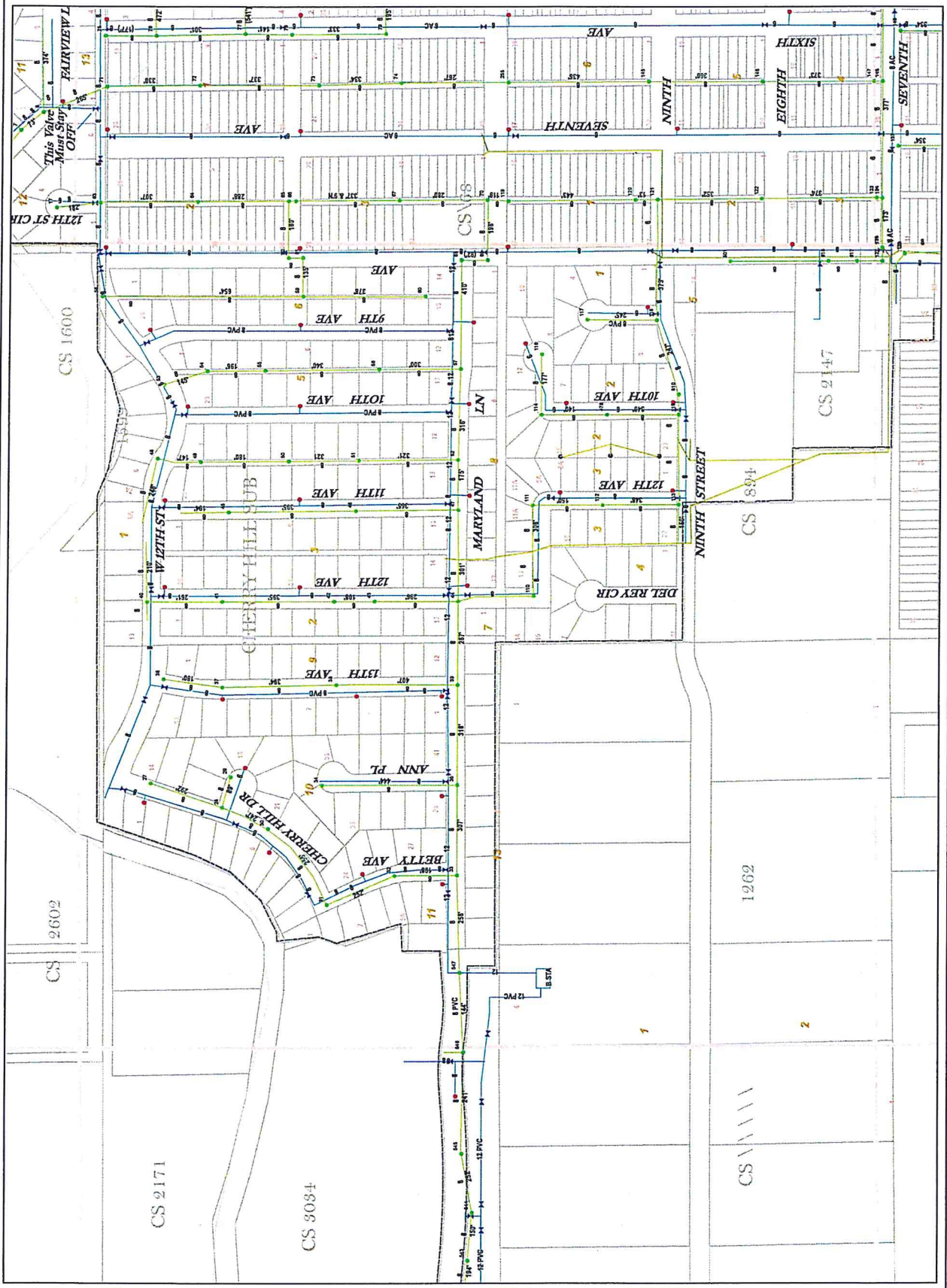
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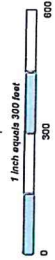
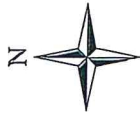
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LAUREL MONTANA

Yellowstone County
Township 5S Range 94E
Section 9 QtrSecs



Legend

- Index Grid
- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map



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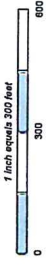
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LAUREL MONTANA
 Yellowstone County
 Township 5S Range 94E
 Section 9 QtrSec 1



Legend

- Index Grid
- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks/Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

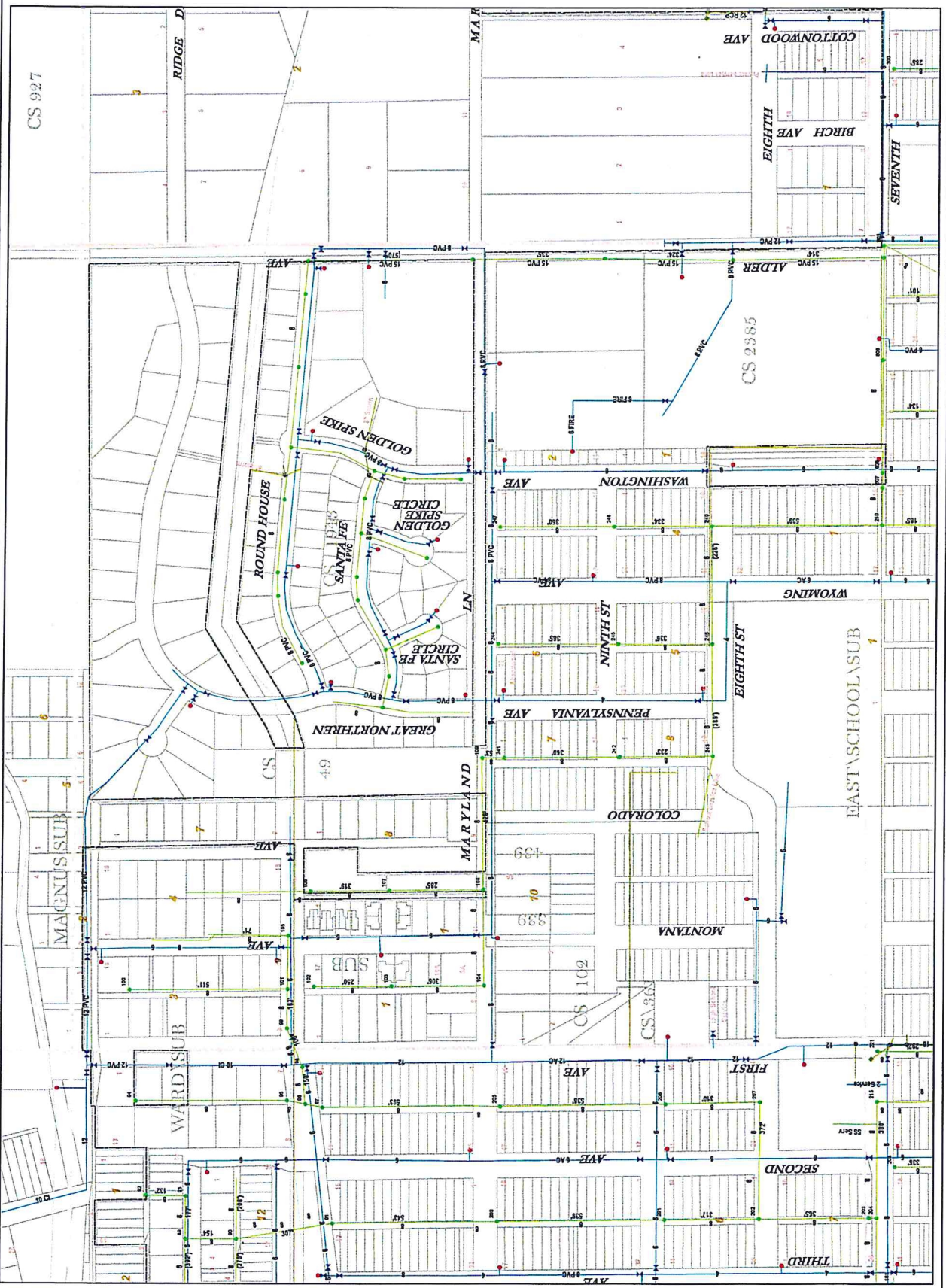


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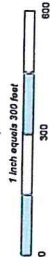
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Yellowstone County
 Township 5S Range 94E
 Section 10 QrSecs



Legend

- Index Grid
- City Limits
- Sanitary Sewers
- Storm Sewers
- WaterLines
- Creeks Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map

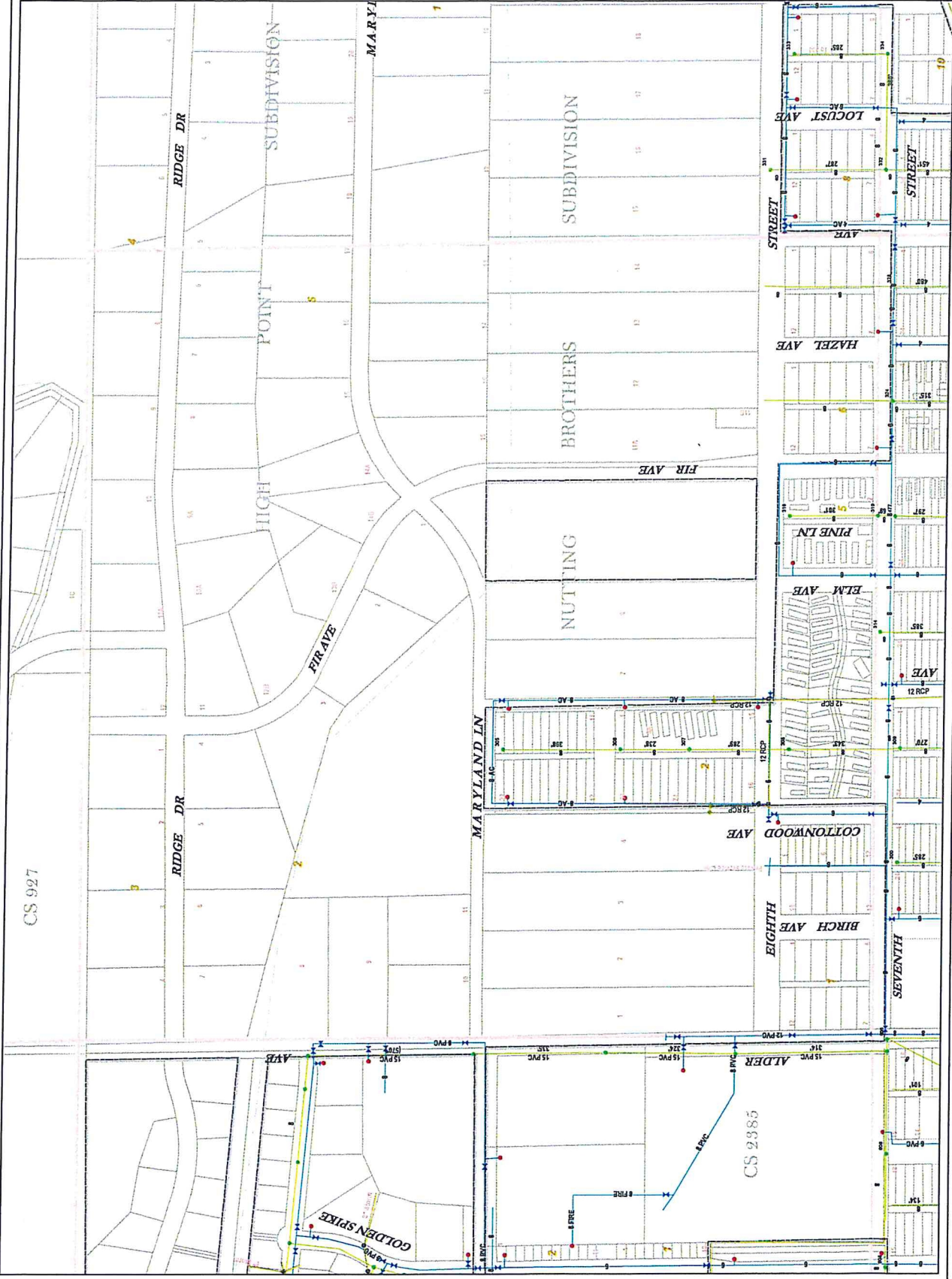


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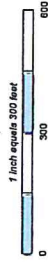
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Yellowstone County
 Township 25 Range 84E
 Section 10 Q1r5c1



Legend

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- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks Canals
- Lots & Blocks
- Sanitary ManHoles
- Storm ManHoles
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map



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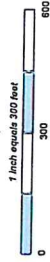
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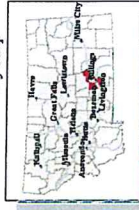
Yellowstone County
Township 5S Range 84E
Section 11, QrGrberg



Legend

- Index Grid
- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks/Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

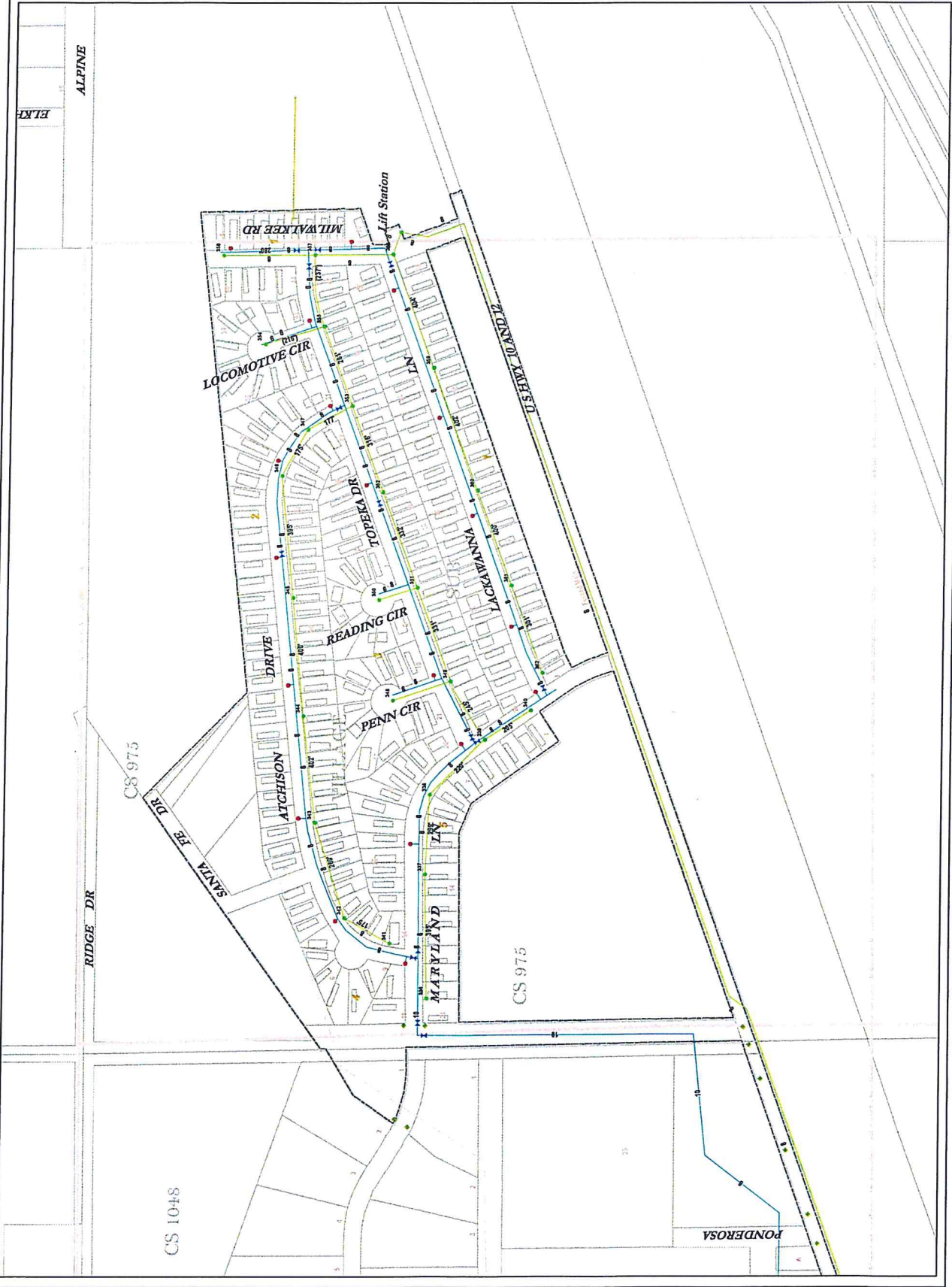
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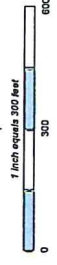
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LAUREL MONTANA
 Yellowstone County
 Township 4S Range 84E
 Section 8 QtrSecs



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- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks/Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
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- Hydrant
- Blow Off



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LAUREL MONTANA

Yellowstone County
Township 6S Range 94E
Section 8 QtrSec 4



Legend

- Index Grid
- City Limits
- Sanitary Sewers
- Storm Sewers
- WaterLines
- Creeks Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map

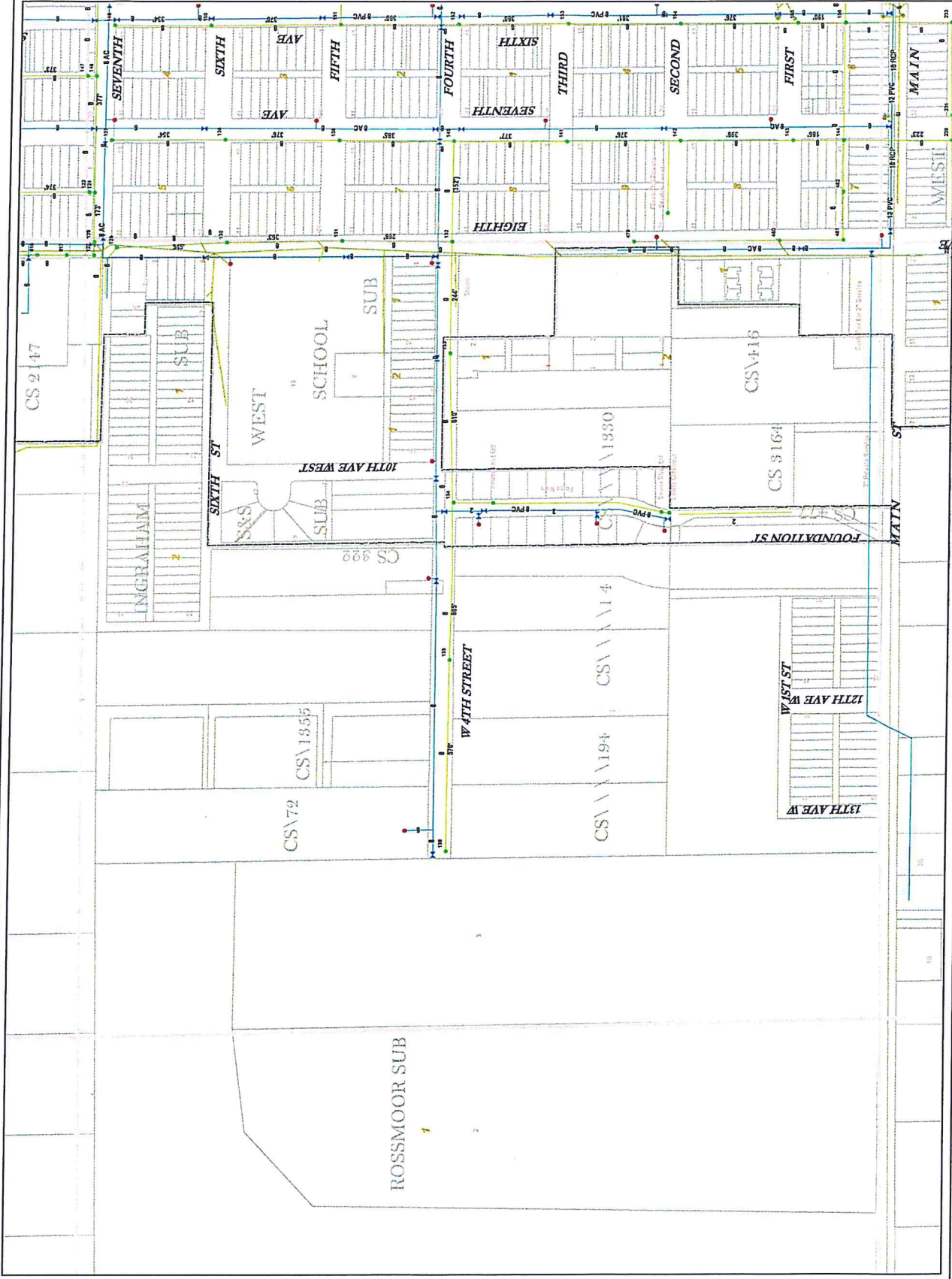


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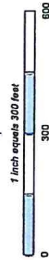
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Yellowstone County
 Township 2S Range 24E
 Section 9 Qirbecs



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- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks/Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

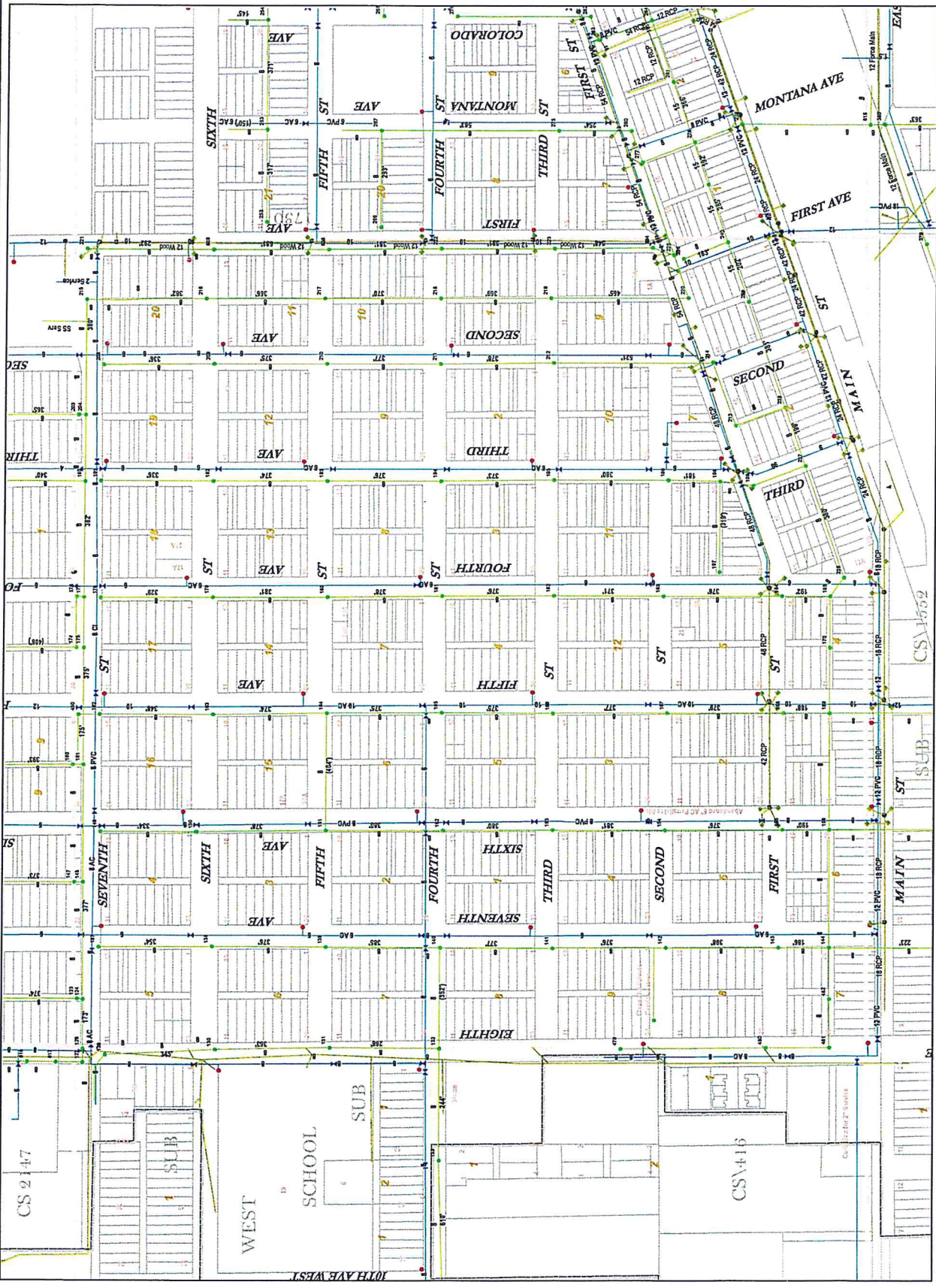


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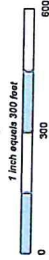
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Yellowstone County
 Township 5S Range 54E
 Section 9 QtrSec 4



Legend

- Index Grid
- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map

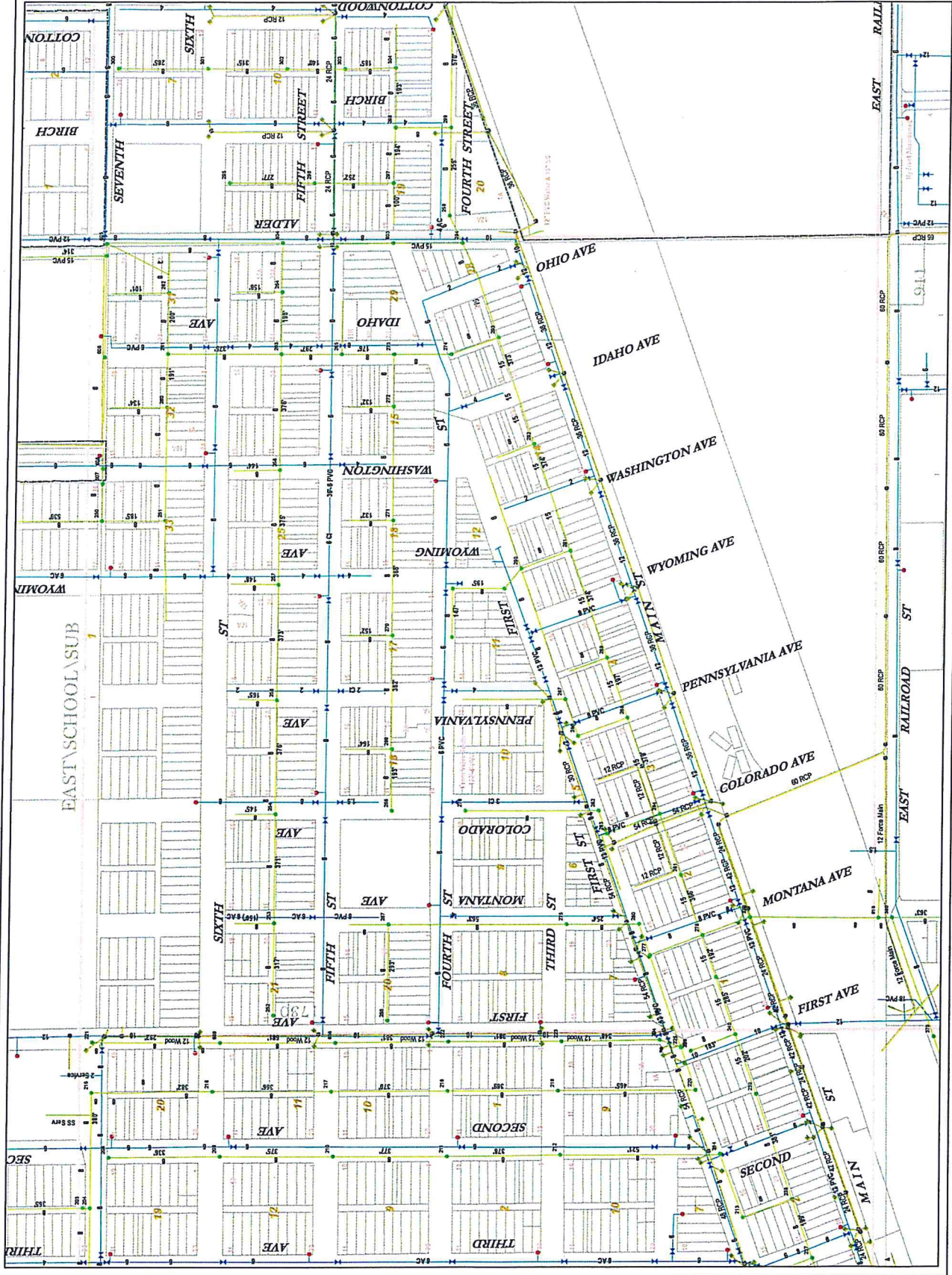


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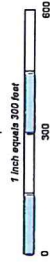
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Yellowstone County
Township 5S Range 44E
Section 10 Grids



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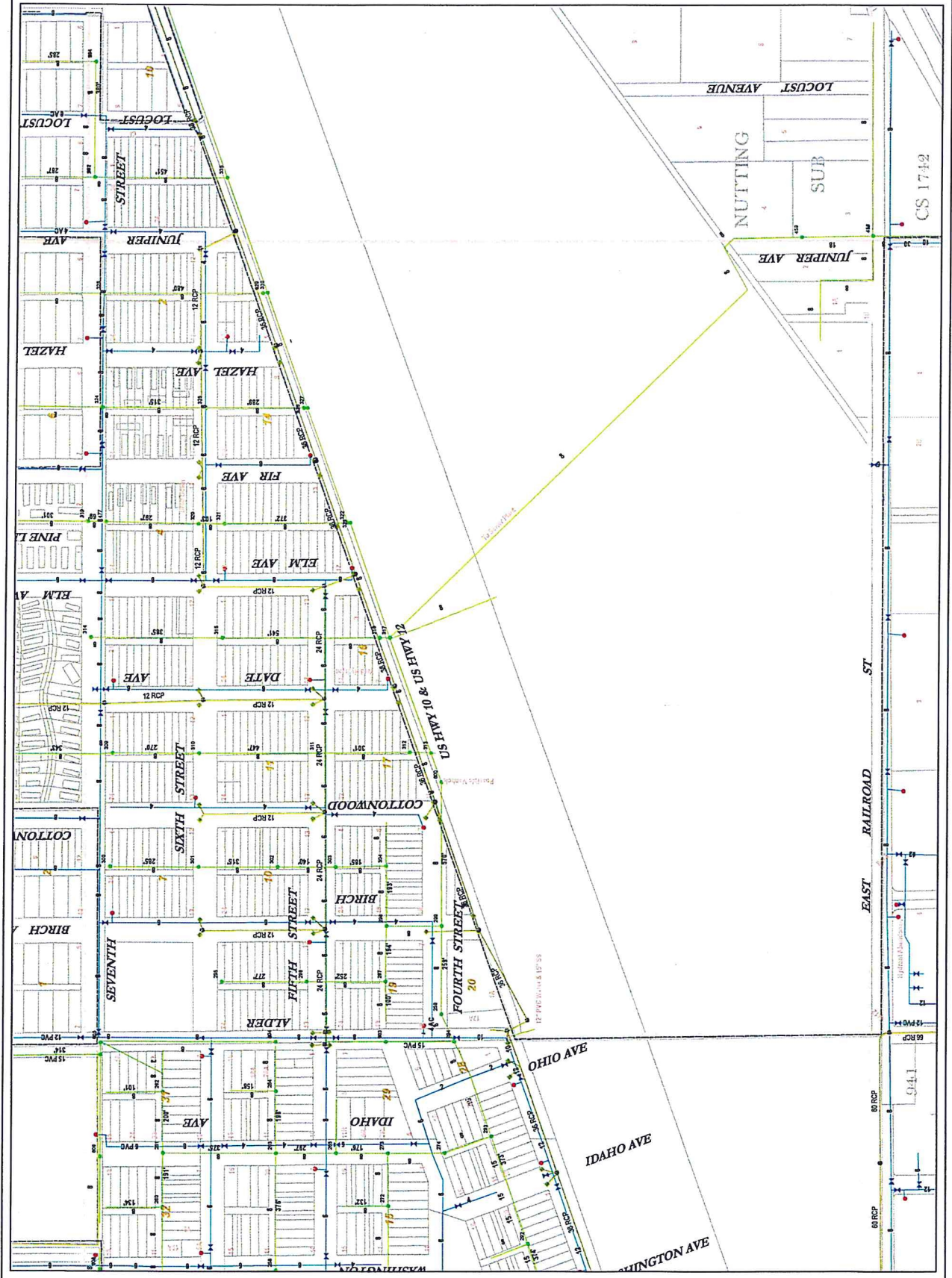
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- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks Canals
- Lots & Blocks
- Sanitary ManHoles
- Storm ManHoles
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map



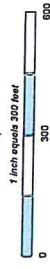
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Yellowstone County
 Township 2S Range 94E
 Section 10 QtrSec-8



Legend

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- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks/Canals
- Lots & Blocks
- Sanitary ManHoles
- Storm ManHoles
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map

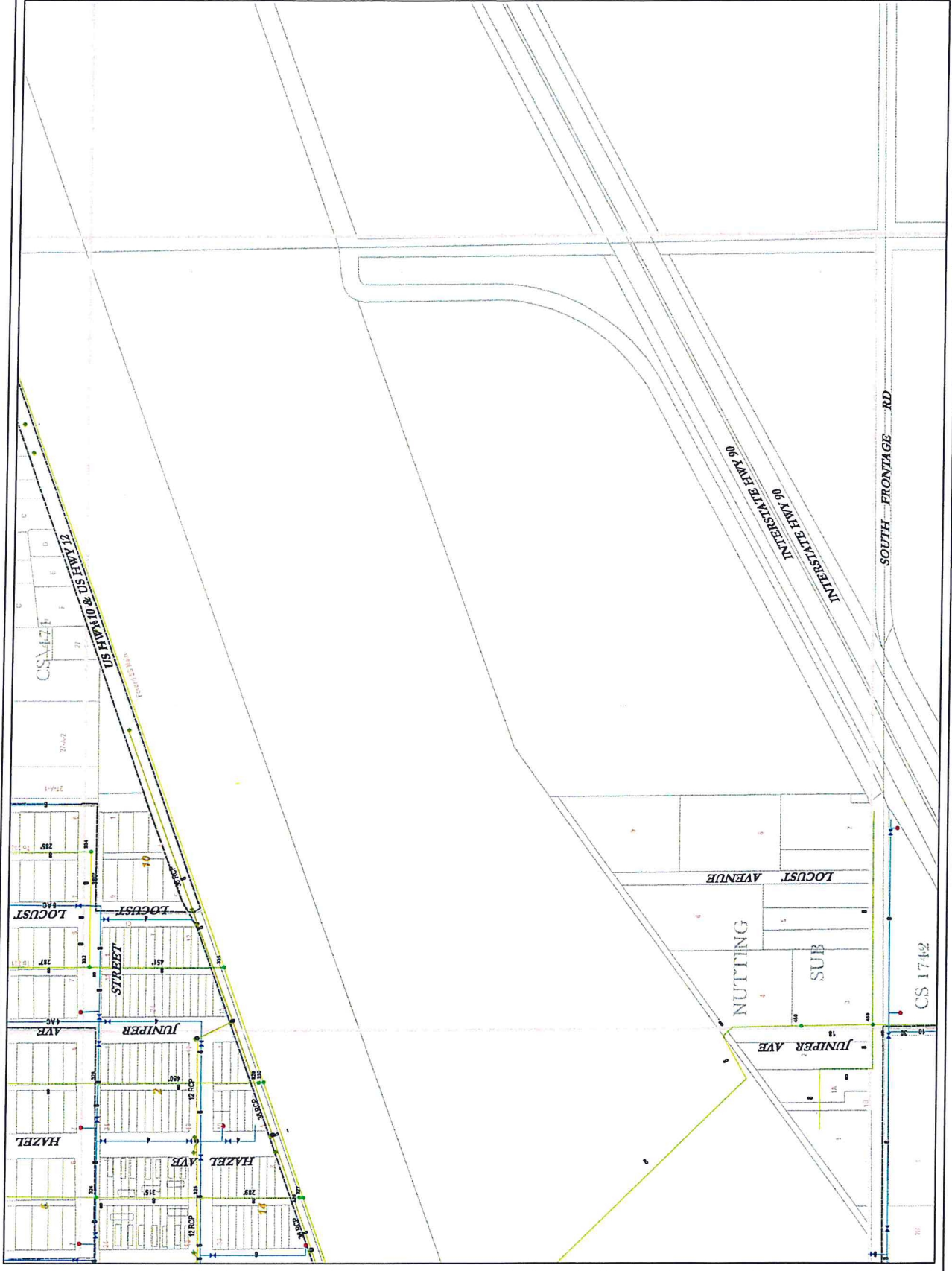


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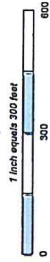
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 Township 8S Range 94E
 Section 17 QtrSec 1



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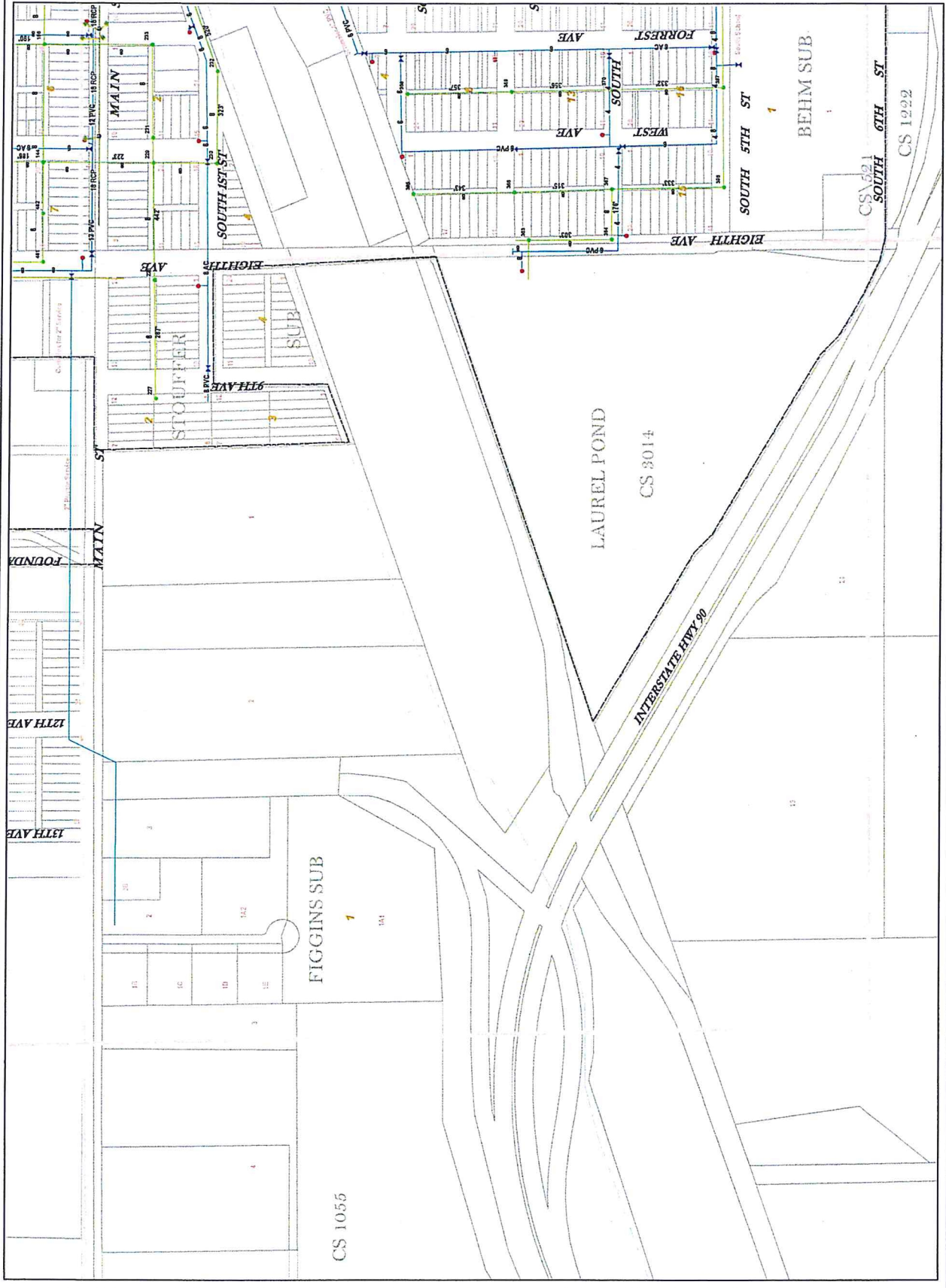
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- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map



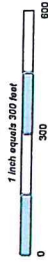
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LAUREL MONTANA

Yellowstone County
 Township 6S Range 64E
 Section 16 QrSec2



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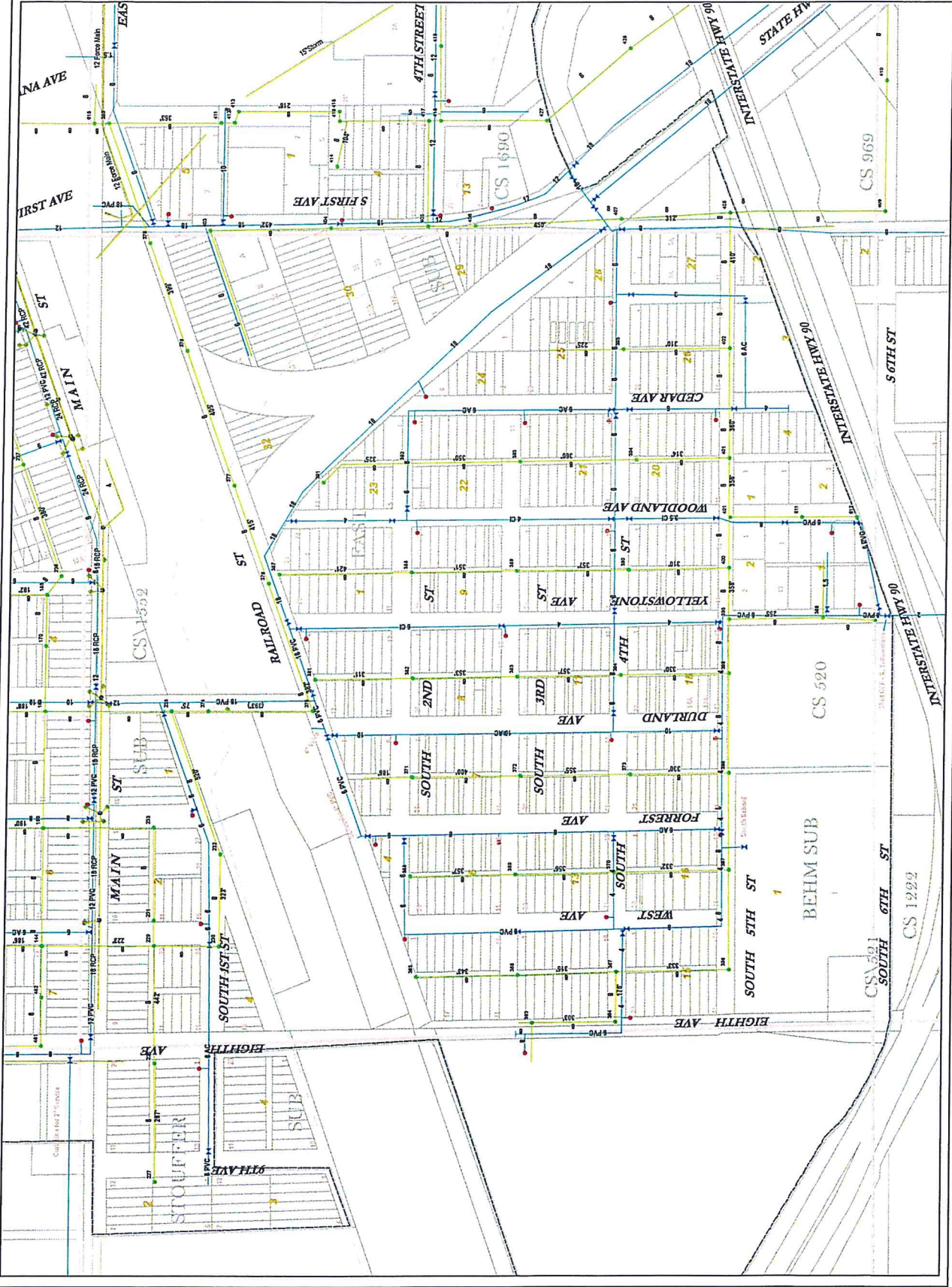
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- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks/Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map



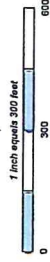
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LAUREL MONTANA

Yellowstone County
Township 9S Range 94E
Section 16 Ordsect



Legend

- Index Grid
- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks & Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map

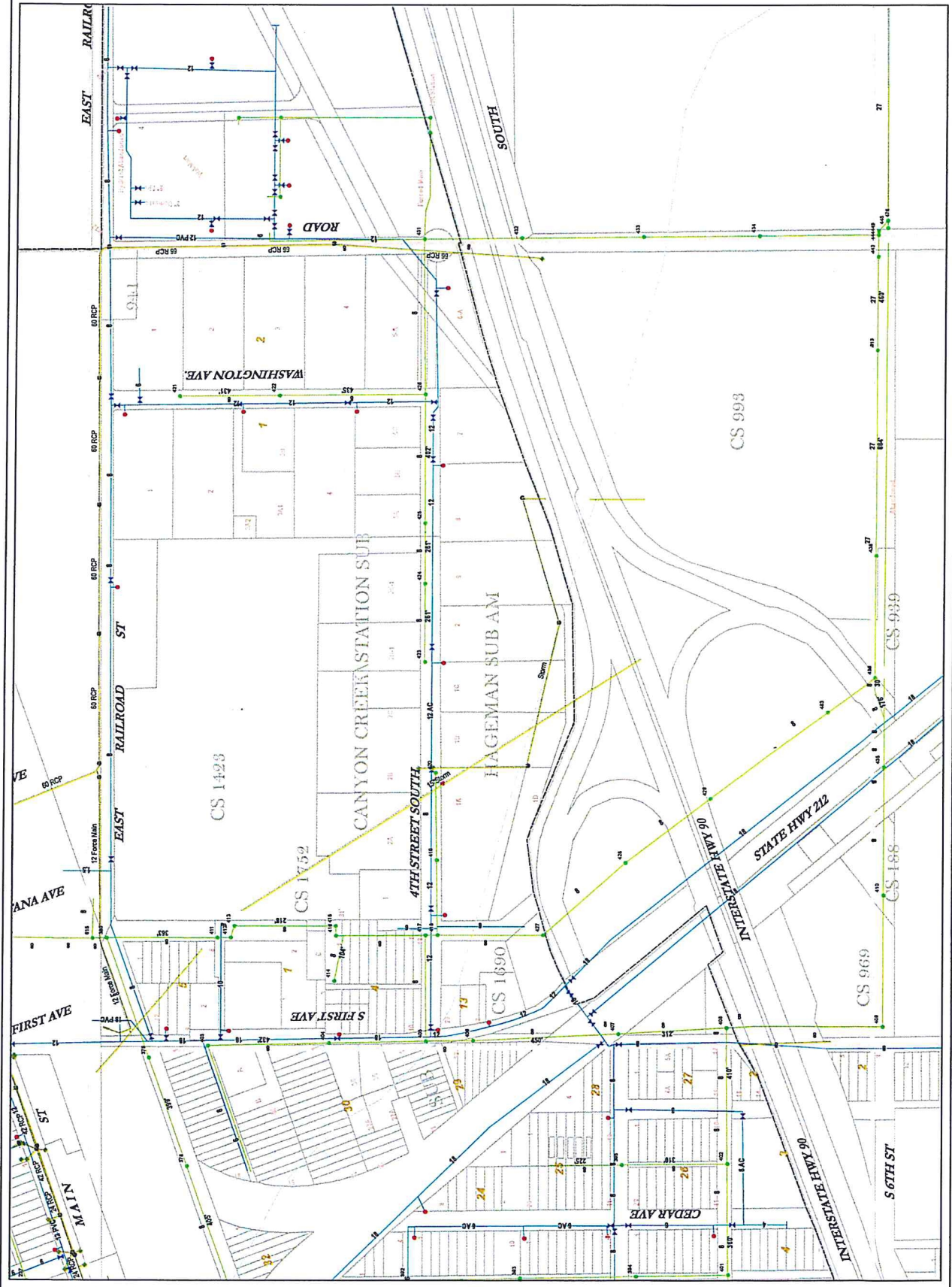


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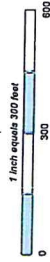
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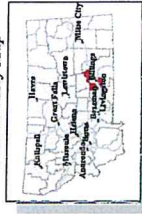
Yellowstone County
 Township 6S Range 64E
 Section 16 QRS&P



Legend

- Index Grid
- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks/Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map

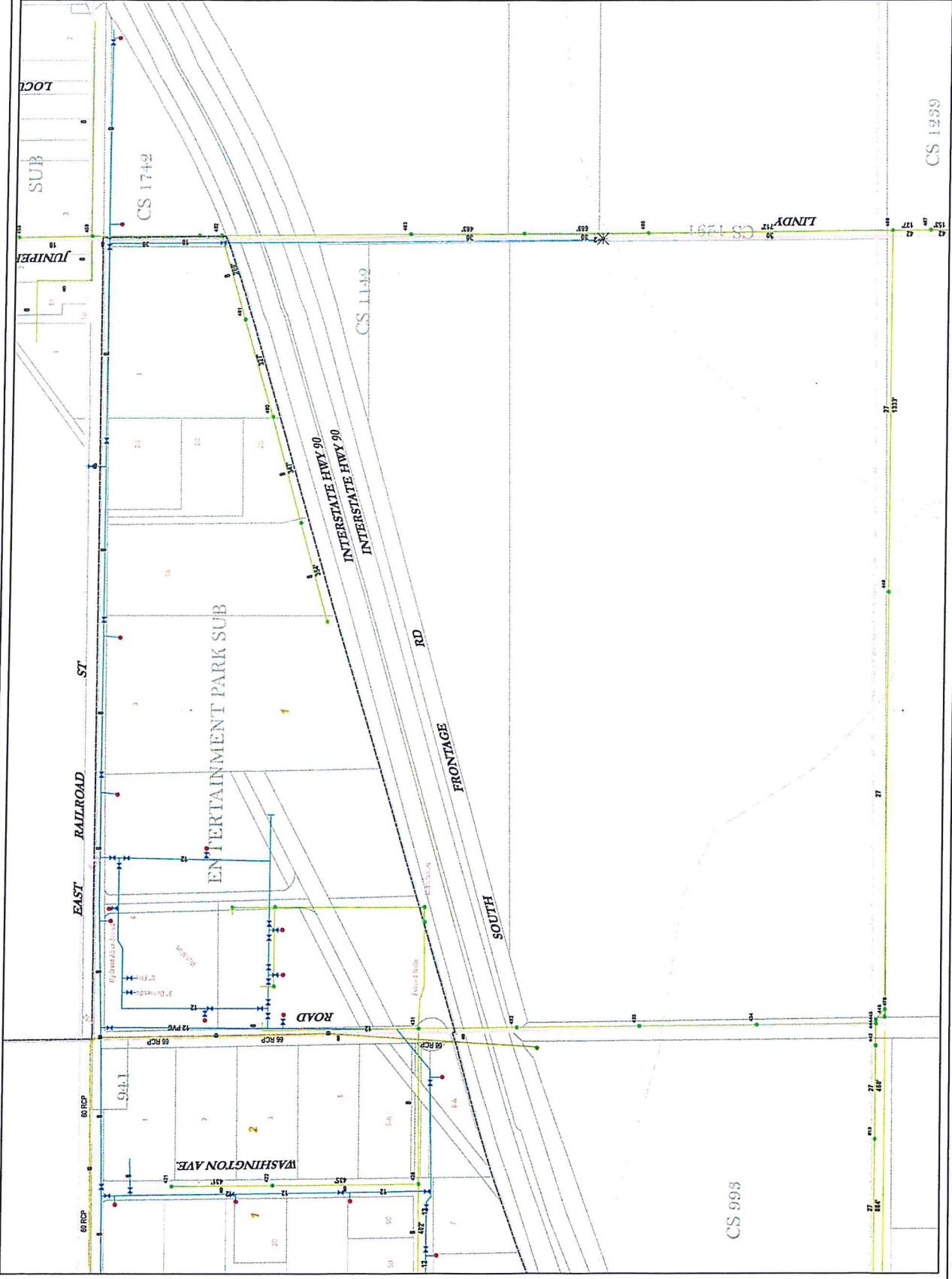


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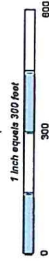


CS 1299

CS 998

LAUREL MONTANA

Yellowstone County
Township 8S Range 94E
Section 16 Q186c1



Legend

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- City Limits
- Sanitary Sewers
- Storm Sewers
- Water Lines
- Creeks/Canals
- Lots & Blocks
- Sanitary ManHoles
- Storm ManHoles
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map

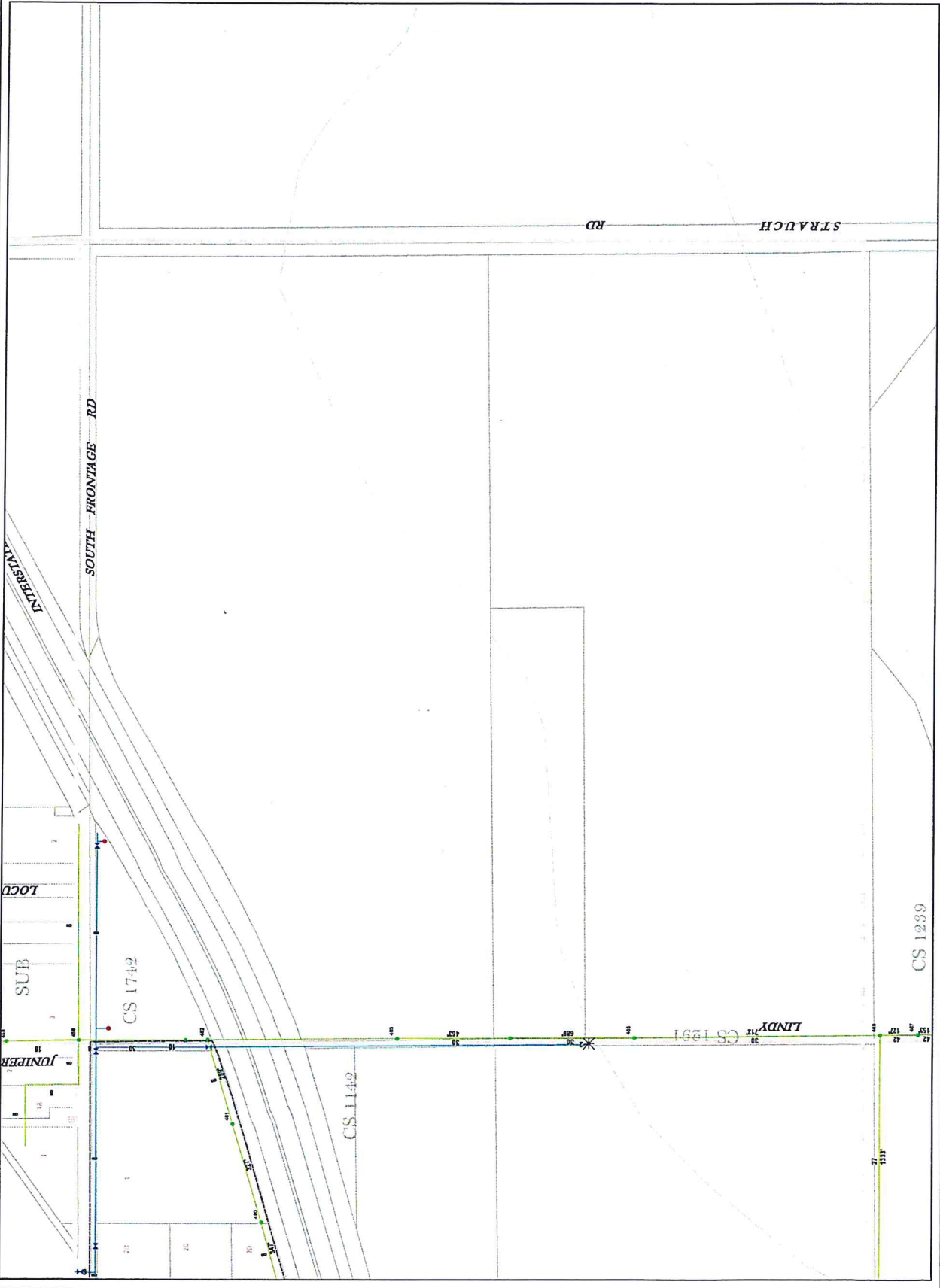


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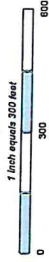
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Yellowstone County
Township 5S Range 94E
Section 16 Q1600s



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- Water Lines
- Creeks Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
- Storm Inlet
- Cap
- Valve
- Hydrant
- Blow Off

Montana Key Map

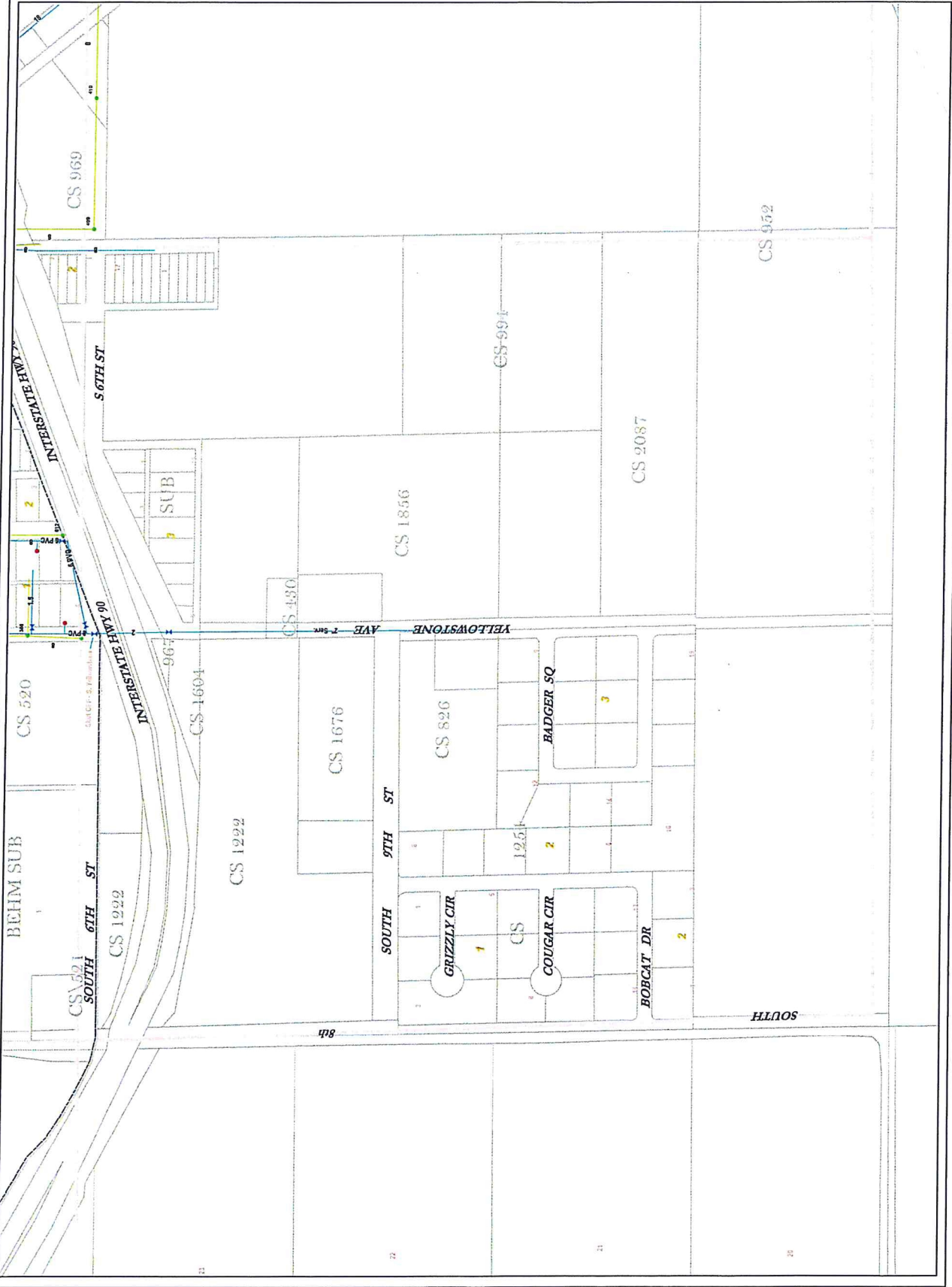


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 Yellowstone County
 Township 5S Range 54E
 Section 16 GridSecs



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- Creeks/Canals
- Lots & Blocks
- Sanitary Manholes
- Storm Manholes
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Montana Key Map



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