City of Centerville, UT - Municipal Metering Project

FY21 WaterSMART: Small-Scale Water Efficiency Projects

City of Centerville, UT

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Executive Summary

Date: March 18, 2021

Applicant Name: City of Centerville, UT
Category: A – Local Government with Water Delivery Authority
City, County, State: City of Centerville, Davis County, Utah
Project Length: 12 months
Project Located on Federal Facility: No

Project Summary

The City of Centerville, located in Davis County, will install 462 new Sensus water meters and radios on three residential water supply routes. The upgrade to new radios will allow the City to receive water meter reads wirelessly via radio signal, replacing the current practice which requires staff to drive to each meter to receive a read. The new mag meters will be an upgrade from the existing and outdated multi-jet meters, allowing for more accurate continuous flow readings and include a feature to notify the City when water backflow occurs which results in water quality concerns. Combined, the new meters and radios will allow for the City to provide better customer service by being able to notify customers if there are leaks or if they are experiencing high-water usage. The installation will curb water loss by providing more accurate water data, which will help reduce high water usage and promote water conservation. The project will also save the City labor and associated costs, as it will eliminate the need for personnel to drive to each meter to receive data, which currently requires approximately 403.50 labor hours a year.

The project is proposed to begin February 2022 and is estimated to be completed within 12 months. The project does not require permits or engineering, and there will be no ground disturbance.

Project Location

The City of Centerville is located in southeastern Davis County, Utah. The project will take place on Routes 1, 2, and 3 of the City's residential water routes. The project center latitude and longitude are 40°56'52.6956" N and 111°53'4.9092" W. A map of the project area and of the residential water routes are found in attachment 1 and 2.

Project Description

The City of Centerville is seeking to improve its ability to accurately monitor and appropriately bill for municipal water use. Existing municipal multi-jet meters on homes within the City are between 25 to 35 years old and are frequently in need of repair and provide inaccurate water consumption measurements. As a result of the outdated technology, as well as weather conditions 6 months of the year, City staff only measure municipal meters between the months

of April and October and then estimate the consumption for the remainder of the year. The City is seeking to improve its water management practices by purchasing 462 new Sensus iPERL Smart Water Meters and 462 Xylem FieldLogic Handheld Device radios. The new radios will provide the City inbound and outbound access to water measurement and ancillary device diagnostics via radio signal. The new iPERL Smart Water Meters are more sensitive to water flows, resulting in more accurate reads, and the new meters are able to determine water flow externally without additional equipment. The installation of meters and radios will be led by two of the City's Water Operators, with additional assistance provided by the Water Supervisor. Each meter and radio installation will take approximately 40 minutes and is easy to install. There is no extra training needed or required for the City's current employees. Each installation will have very limited impacts to water usage at each property, and at most users will have limited access to their water for approximately 5 minutes.

The City is planning to improve the totality of the water supply's metering technology in order to conserve more water, and the installation of new meters and radios on Routes 1, 2, and 3 is the beginning of this process. Following the success of the installations on Routes 1, 2, and 3, the City is planning to invest in the same improvements along the rest of the residential routes.

Evaluation Criteria

Evaluation Criterion A – Project Benefits

Describe the expected benefits and outcomes of implementing the proposed project. What are the benefits to the applicant's water supply delivery system? If other benefits are expected explain those as well.

The proposed water meter and radio installation will aid the City in identifying system losses resulting in a more efficient water delivery system. The City sees an estimated current water loss percentage of 10.23%, or 51,245 gallons, per year, as referenced in the Utah Public Water Supply Use Form for 2020 (Attachment 3). The City expects the current water loss data to greatly decrease with new meters and radios and help to ensure that higher users pay their share of costs. The reduction in water loss will also allow the City to conserve more of its groundwater, which is used for water supply if all the City's purchased surface water becomes low.

Additionally, the new meters and radios will be more reliable, requiring fewer maintenance and replacement calls. The new meters will allow the City to keep track of high or low flows, and also alert residents if water has moved backwards, an important water quality feature which we currently do not have. In addition to the alerts, the new radios will give identifying factors to locate where the water source is facing an issue, increasing the efficiency of the City's response.

The proposed water meter and radio installations will encourage and facilitate water conservation by the City and provide customers a more equitable cost allocation which can help water providers to secure future water supplies. Water metering is generally considered an

effective water management tool, helping customers better understand their water use and how they can use the resource more efficiently. Under existing conditions, the City reads municipal meters monthly from April through October and then estimates consumption for the remainder of the year. Meter reading is currently limited between April and October because snow is a prohibiting factor and existing radios cannot read meters through snowbanks.

Another benefit of the project is that the City will no longer require staff to drive to each meter to record water data, reducing the City's current car pollution. This will also result in labor and cost savings for the City due to the reduction in required staff hours. These trips require approximately 403.50 hours of labor a year (Attachment 4). These hours will be able to be redirected to higher priority projects and customer service activities.

Extent to which the proposed project improves overall water supply reliability

The proposed project, and anticipated water conservation benefits, will help in reducing water overdraft from the Weber Basin Conservancy District, which the City purchases surface water from each year to meet water supply demand. The new meters are less likely to require maintenance or replacement, resulting in fewer service interruptions for customers. Also, personnel hours normally spent reading, repairing, or replacing old meters will be redirected to other priority projects and functions to help improve overall system reliability.

The expected geographic scope benefits from the proposed project (e.g., local, sub-basin, basin)

The proposed project will result in water conservation at the local level by allowing the City and customers to follow water usage, be mindful of use patterns, and become rapidly aware of problems, leaks, and water losses at the household level much more closely and accurately. Benefits will be realized at the regional level by providing more accurate meter read data to the Weber Basin Conservancy District to encourage conservation in the region, and it will also help to prevent water overdraft in the basin located in the neighboring County of Layton, Utah.

Extent to which the proposed project will increase collaboration and information sharing among water managers in the region

The City of Centerville collaborates with the Weber Basin Water Conservancy District on the region's water conservation goals and plans. Tracking water usage and potential reduction with more accurate water meters will result in more accurate data to be shared with the Weber Basin Water Conservancy District in the region's water conservation efforts and planning.

Any anticipated positive impacts/benefits to local sectors and economies (e.g., agriculture, environment, recreation, tourism)

The City's current water loss percentage stands at 10.23% a year. Reducing water use and unnecessary losses will improve and promote water conservation throughout Centerville – critically important as Centerville, along with other cities and regions in the U.S., deal with climate change and prolonged drought conditions. According to the National Integrated

Drought Information System, 100% of people in Davis County are affected by drought, and the driest year to date in 127 years occurred in 2021. Drought affects every individual and business in the City of Centerville, and drought resiliency will continue to play an important role in the City's ability to attract and retain businesses. The installation of new meters and radios will also reduce the City's air pollution, as staff currently drives to read each meter, improving their regional environment.

Extent to which the project will complement work done in coordination with NRCS in the area (e.g., with a direct connection to the district's water supply). Describe any on-farm efficiency work that is currently being completed or is anticipated to be completed in the future using NRCS assistance through EQIP or other programs.

This project is a municipal metering project and does not have a nexus to NRCS or farm efficiency efforts.

Evaluation Criterion B – Planning Efforts Supporting the Project

Does the proposed project implement a goal or address a need or problem identified in the existing planning effort?

The proposed project aligns with the City of Centerville's Water Conservation Plan which sets a goal to reduce the City's water usage from 88.3 to 70 gallons per person per day. The installation of new water meters, with better measuring technology, will allow the City to notify residents of high usage and potential leaks with the goal of reducing their usage to align with the City's conservation goals (Attachment 5).

Explain how the proposed project has been determined as a priority in the existing planning effort as opposed to other potential projects/measures.

The City of Centerville's Water Conservation Plan focuses on a "plan to increase the efficiency of water use" to reduce the overall water usage in the City (Attachment 5). Water conservation and increased efficiency of water usage have been the highest priorities in the City's Water Conservation Plan since 2015. The proposed project has been determined as a priority for this plan because accurate water metering and reads will contribute significantly and measurably to the reduction of water consumption and usage through more accurate water usage data.

Evaluation Criterion C – Project Implementation

Describe the implementation plan for the proposed project. Please include an estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates.

The proposed project is to begin in February 2022 with an estimated completion date of 12 months. There will be no permits required, no engineering or desk work needed, and no ground disturbance.

Date	Milestones
February 2022	Begin purchasing the meters and radios.
March 2022	Begin installation of the new meters and radios on the existing Route 1. (Depending on weather this may be pushed back.)
April 2022	Begin installation of the new meters and radios on the existing Route 2.
May 2022	Begin installation of the new meters and radios on the existing Route 3.
August 2022	Finalize and complete the installation of all 462 meters and radios.
February 2023	Complete project installation and project closeout

Installation

The project will install 462 new meters and 462 new radios on the existing Routes 1, 2, and 3 within the City of Centerville. The work will include:

- Installation of 462 water meters
- Installation of 462 radios
- Disinfection of piping
- Restoration of work area

Construction and inspection services will be performed by City staff. Project management tasks will include public outreach, submittal and schedule review, and contract oversight.

Project Closeout/Final Reporting

Final closeout and reporting will take place after all meters and radios are installed and inspected. Project closeout will include processing project payment, completing the notice of completion to accept the project, and final financial and performance reports to meet the grant requirements.

Describe any permits that will be required, along with the process for obtaining such permits.

Permits are not required to install the municipal meters.

Identify and describe any engineering or design work performed specifically in support of the proposed project.

This project will replace outdated and inaccurate municipal meters with new and improved meter technology and does not require engineering or design work.

Describe any new policies or administrative actions required to implement the project.

City personnel are trained on meter installation and no additional administrative or policy action items are required.

Describe the timeline for completion of environmental and cultural resource compliance.

The project will not disturb the ground and therefore it is not anticipated that environmental or cultural resource compliance will be required.

Was the timeline for completion of environmental and cultural resource compliance discussed with the local Reclamation office?

The City did not reach out to the local reclamation office regarding environmental and cultural resources compliance.

Evaluation Criterion D – Nexus to Reclamation

Is the proposed project connected to a Reclamation project or activity?

While the City does not receive Reclamation water, the proposed project is in line with the approach and goals of Reclamation in terms of water conservation and drought resiliency. In addition to the overall goals and programs administered by the Bureau, several specific programs, including the WaterSMART Drought Resiliency and Efficiency programs, provide funding for municipal projects such as water meter installation and upgrading.

Will the project benefit any tribe(s)?

No

Project Budget

Funding Plan

The total municipal meter and radio installation project is anticipated to cost $149,581.35. The City is requesting $74,790.675 in federal funds to support the project. The City of Centerville is committed to providing the required 50% match to support the municipal meter and radio project through in-kind staff time and cash match. In-kind match totals $10,383.52 and will be derived through staff time installing the meters and project management. The remaining $64,407.15 will be cash match from the City's Water Enterprise Fund. The City's Water Enterprise Fund is currently slated for a rate increase and will generate between $400,000 and $600,000 a year for water related projects. Currently, the Water Enterprise Fund has $180,000 in fund balance and is projected to increase to $240,000 by the end of the year (June 30, 2021). By June 30, 2022, the City projects that balance will increase to $640,000 approximately.

Funding Sources	Amount
Costs to be reimbursed with the requested Federal Funding	**$74,790.675**
Costs to be paid by the applicants	**$74,790.675**
Total Project Funding	**$149,581.35**

Budget Proposal

Budget Item Description	$/unit	Quantity	Quantity Type	Total Cost
Salaries and Wages				
Water Supervisor	$30.53/hr	25	Hourly	$763.25
Water Operator	$17.42/hr	308	Hourly	$5,365.36
Fringe Benefits				
Water Supervisor	$19.03/hr	25	Hourly	$475.75
Water Operator	12.27/hr	308	Hourly	$3,779.16
Contractual				
N/A				
Equipment				
Meters/Radio	$139.080/each	462	Each	$64,254.96
Radio	$162.214/each	462	Each	$74,942.87
Supplies and Materials				
N/A				
Third-Party In-Kind Contributions				
N/A				
Environmental and Regulatory Compliance Costs				
N/A				
TOTAL DIRECT COSTS				**$149,581.35**
Indirect Costs				
N/A				
TOTAL ESTIMATED PROJECT COSTS				**$149,581.35**

Budget Narrative

Salary and Wages

The City of Centerville's Water Supervisor will be responsible for project management and grant reporting requirements. The effective rate for the Water Supervisor is $30.53/hour. The Water Supervisor has budgeted approximately 25 hours over the duration of the grant to procure the equipment, oversee meter installation and prepare grant reports.

The City of Centerville's Water Operators will be responsible for the installation of the new water meters and radios. The City has two Water Operators who are trained in installing the requested meters. The effective hourly rate for our Water Operators is $17.42/hour. Based on experience it takes approximately 40 minutes to install each meter so a total of 308 hours will be spent installing the 462 meters.

Fringe Benefits

The fringe benefits related to the project are of the Water Supervisor ($19.03/hour) and Water Operator ($17.89/hour) include health, dental, and life insurance with fix contributions based on insurance type selected by the employee, and retirement benefits which are full employer contribution based on the year the employee began employment. This also includes payments made by the City on the employee's behalf for Social Security, Medicare, unemployment insurance, and workers compensation.

Travel

N/A

Contractual

N/A

Equipment

The City received quotes from vendors to estimate the total cost to purchase the new meters and radios on 462 homes. Installation costs are not included in this quote as City staff will be responsible for implementing the project. Mountain Contractors Supply Group provided a quote (Attachment 6) that totaled $301.23 per installation. This cost is broken down to $139.080 per Sensus iPERL meter and $162.214 per meter radio.

Materials and Supplies

N/A

Third-Party In-Kind Contributions

N/A

Environmental and Regulatory Compliance Costs

Environmental Compliance costs are not anticipated as the project does not involve any groundwork.

Other Expenses

N/A

Indirect Costs

N/A

Environmental and Cultural Resources Compliance

Will the proposed project impact the surrounding environment (e.g., soil [dust], air, water [quality and quantity], animal habitat)? Please briefly describe all earth-disturbing work and any work that will affect the air, water, or animal habitat in the project area. Please also explain the impacts of such work on the surrounding environment and any steps that could be taken to minimize the impacts.

No, the proposed project will not impact the surrounding environment.

Are you aware of any species listed or proposed to be listed as a Federal threatened or endangered species, or designated critical habitat in the project area? If so, would they be affected by any activities associated with the proposed project?

No.

Are there wetlands or other surface waters inside the project boundaries that potentially fall under CWA jurisdiction as "Waters of the United States?" If so, please describe and estimate any impacts the proposed project may have.

No.

When was the water delivery system constructed?

The water delivery system for the City of Centerville was constructed in 1950, and the City has continually updated waterlines since 1989.

Will the proposed project result in any modification of or effects to, individual features of an irrigation system (e.g., headgates, canals, or flumes)? If so, state when those features were constructed and describe the nature and timing of any extensive alterations or modifications to those features completed previously.

No.

Are any buildings, structures, or features in the irrigation district listed or eligible for listing on the National Register of Historic Places? A cultural resources specialist at your local Reclamation office or the State Historic Preservation Office can assist in answering this question.

No.

Are there any known archeological sites in the proposed project area?

No.

Will the proposed project have a disproportionately high and adverse effect on low income or minority populations?

No.

Will the proposed project limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands?

No.

Will the proposed project contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area?

No.

Required Permits or Approvals

Statement about required permits and approvals needed as well as timing to secure them.

The project will not require any permits and/or approvals.

Official Resolution

Attached is the Official Resolution of Support approved by the City of Centerville on March 16, 2021 (Attachment 7).

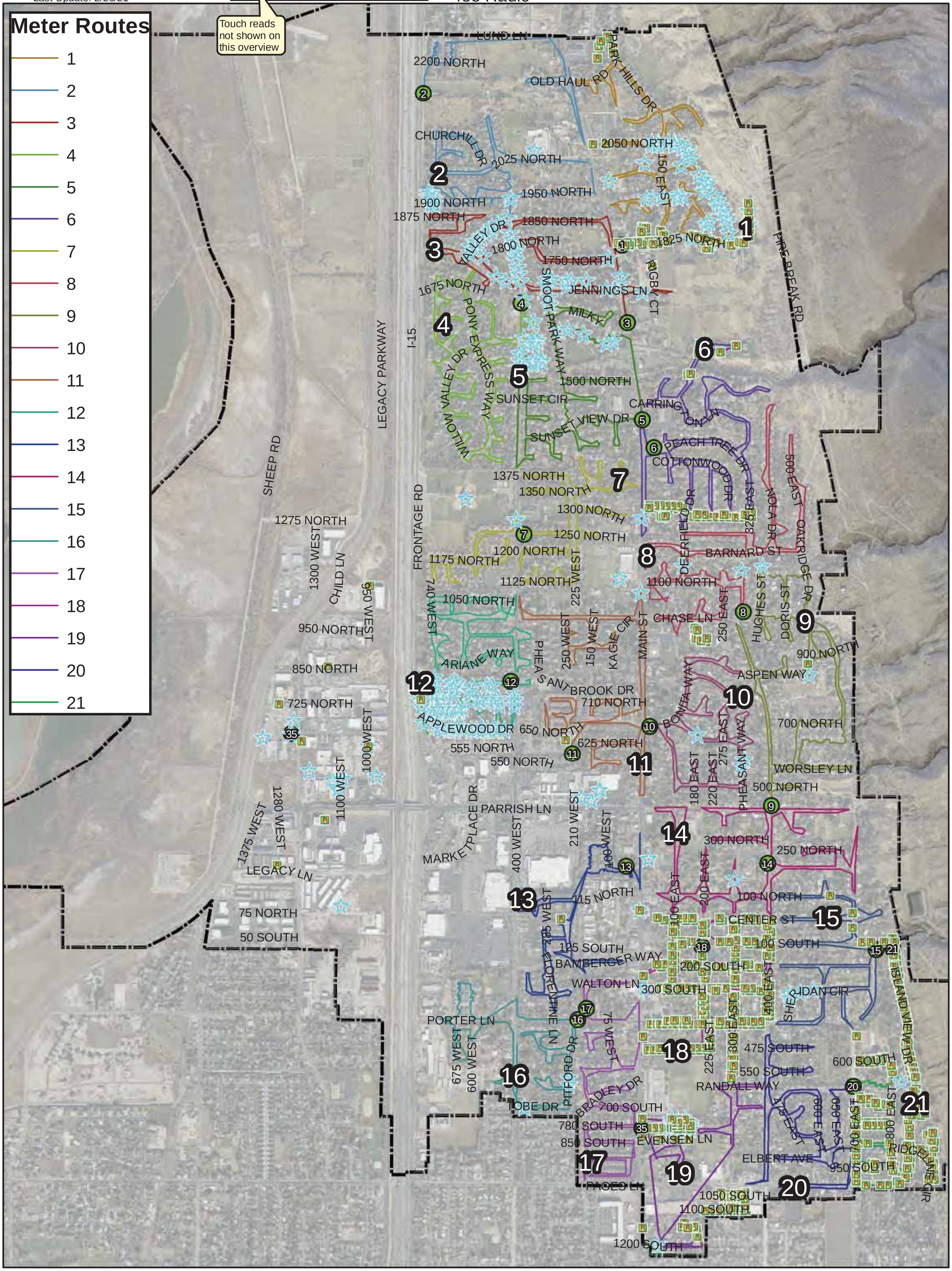
Unique Entity Identifier and System for Awards Management

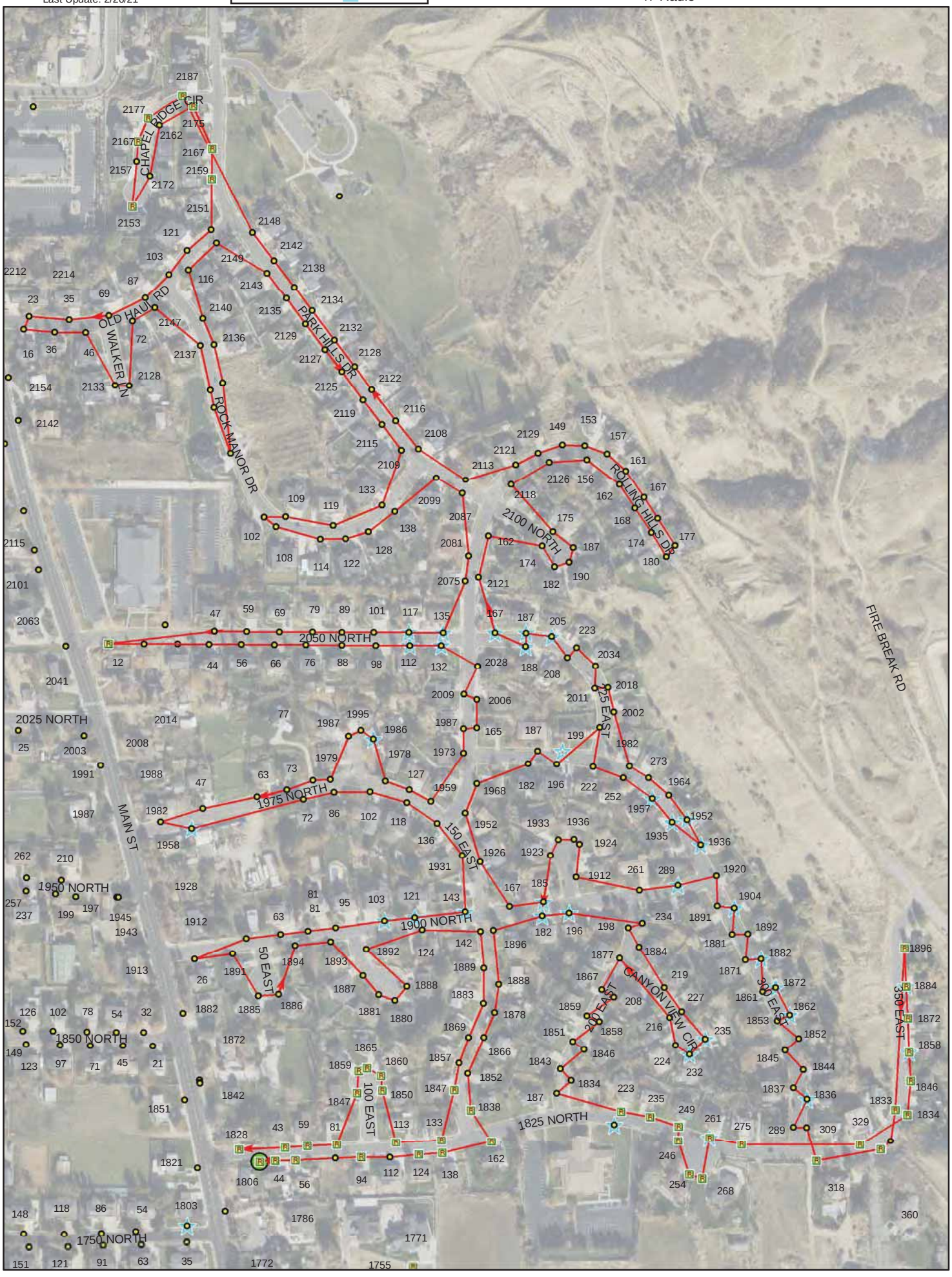
Residential Routes

85 Miles - 4640 Total Reads
4152 Touch
488 Radio (average 4 miles per route)

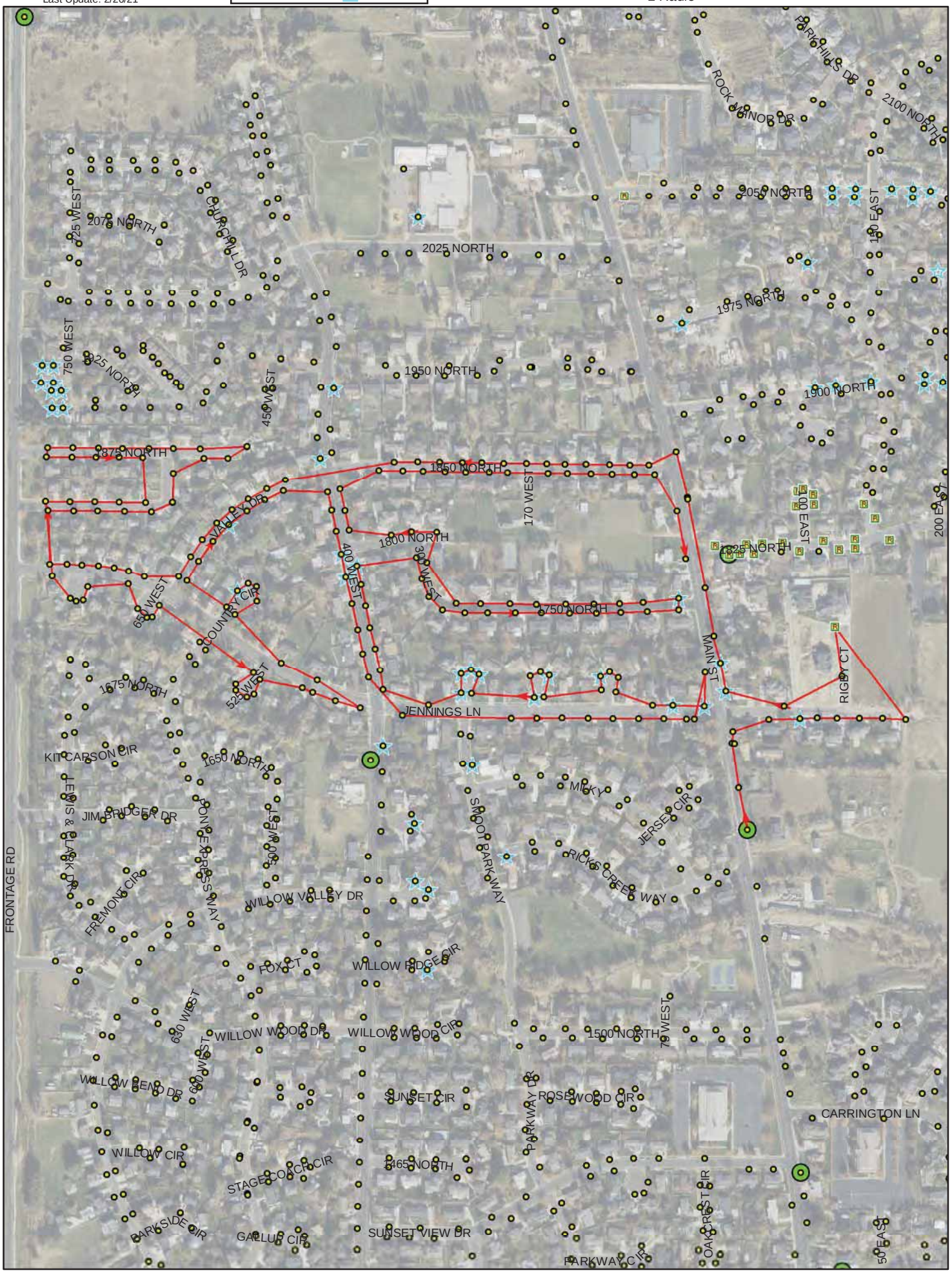
2,000 1,000 0 Feet
Last Update: 2/26/21

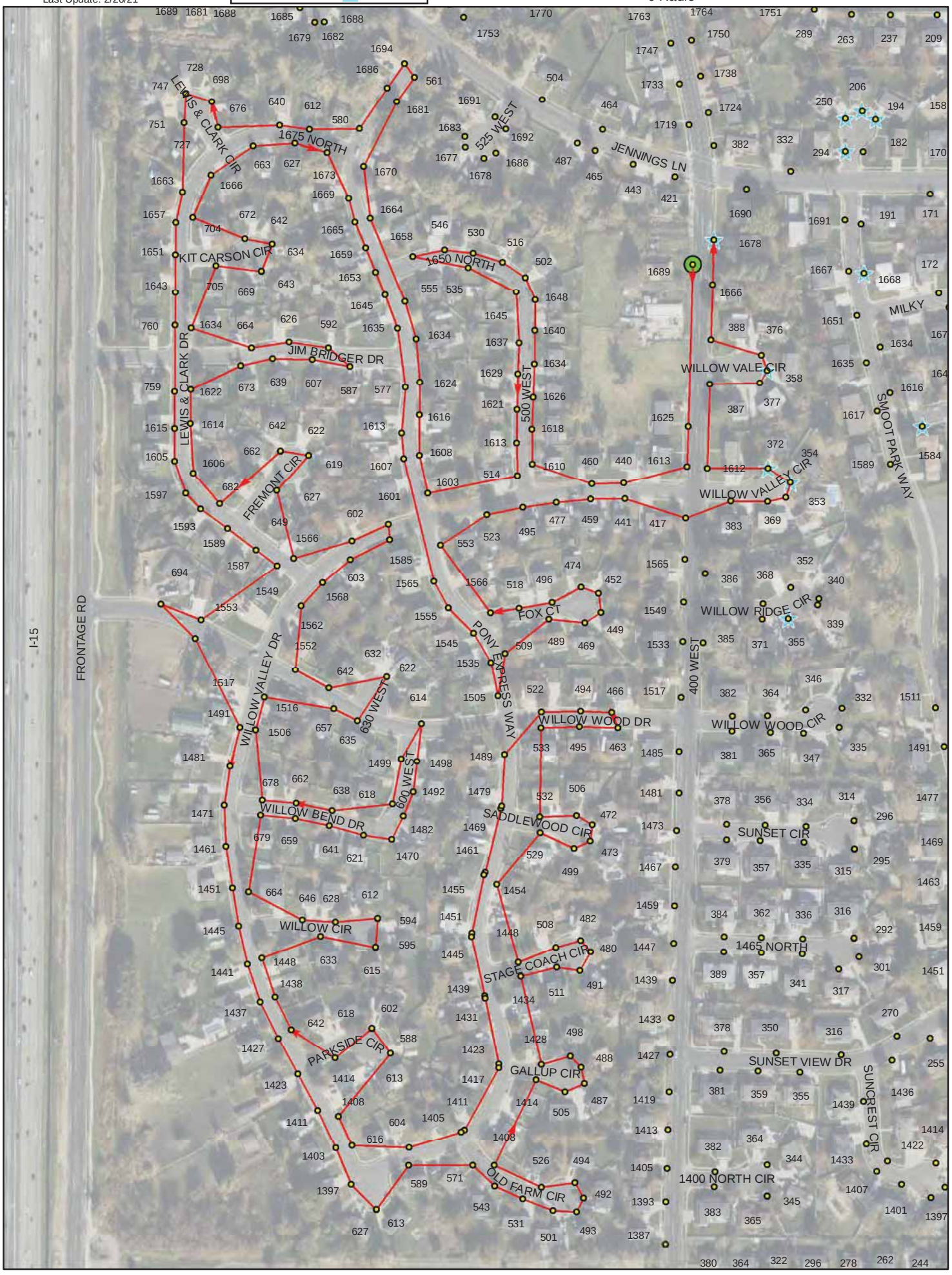
Start Meter
Radio Read
TouchRead
Inside Meters

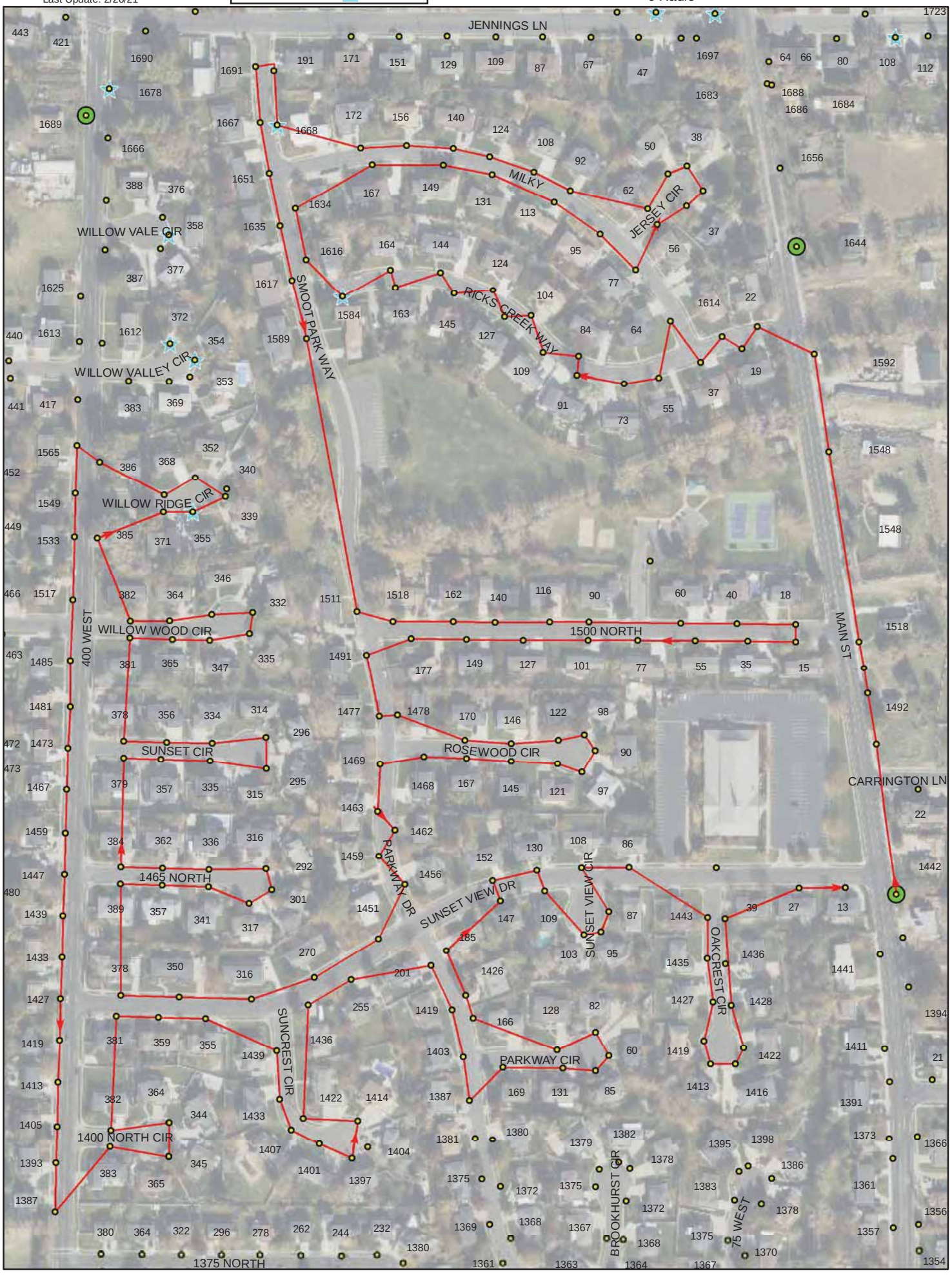

Meter Routes
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
Touch reads not shown on this overview
LUND LN
2200 NORTH
OLD HAUL RD
PARK HILLS DR
CHURCHILL DR
2050 NORTH
2025 NORTH
150 EAST
1950 NORTH
1900 NORTH
1875 NORTH
1850 NORTH
VALLEY DR
1825 NORTH
1800 NORTH
1750 NORTH
SMOOT PARK WAY
JENNINGS LN
RIGBY CT
1675 NORTH
MILKY
FIRE BREAK RD
PONY EXPRESS WAY
I-15
LEGACY PARKWAY
1500 NORTH
SUNSET CIR
CARRINGTON LN
WILLOW VALLEY DR
SUNSET VIEW DR
PEACH TREE DR
COTTONWOOD DR
500 EAST
SHEEP RD
1375 NORTH
1350 NORTH
1300 NORTH
DEERFIELD DR
325 EAST
NOLA DR
OAKRIDGE DR
1275 NORTH
1250 NORTH
FRONTAGE RD
1300 WEST
CHILD LN
1200 NORTH
1175 NORTH
225 WEST
BARNARD ST
1125 NORTH
1100 NORTH
650 WEST
740 WEST
1050 NORTH
250 EAST
HUGHES ST
DORIS ST
950 NORTH
250 WEST
150 WEST
KAGIE CIR
MAIN ST
CHASE LN
900 NORTH
PHEASANTBROOK DR
ARIANE WAY
BONITA WAY
ASPEN WAY
850 NORTH
710 NORTH
725 NORTH
APPLEWOOD DR
650 NORTH
700 NORTH
625 NORTH
555 NORTH
550 NORTH
1000 WEST
1100 WEST
180 EAST
220 EAST
275 EAST
PHEASANT WAY
WORSLEY LN
500 NORTH
1280 WEST
1375 WEST
PARRISH LN
MARKETPLACE DR
400 WEST
210 WEST
100 WEST
300 NORTH
250 NORTH
LEGACY LN
115 NORTH
100 EAST
200 EAST
100 NORTH
75 NORTH
CENTER ST
50 SOUTH
325 WEST
100 SOUTH
125 SOUTH
BAMBERGER WAY
200 SOUTH
WALTON LN
FLORENTINE LN
300 SOUTH
400 EAST
SHERIDAN CIR
ISLAND VIEW DR
PORTER LN
75 WEST
300 EAST
225 EAST
475 SOUTH
675 WEST
600 WEST
PITFORD DR
550 SOUTH
600 SOUTH
BRADLEY DR
RANDALL WAY
TOBE DR
700 SOUTH
475 EAST
600 EAST
650 EAST
700 EAST
800 EAST
780 SOUTH
EVENSEN LN
850 SOUTH
RIDGELINE CIR
ELBERT AVE
950 SOUTH
PAGES LN
1050 SOUTH
1100 SOUTH
1200 SOUTH


410
205
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
5.1 Miles - 276 Total Reads
229 Touch
47 Radio
WaterMeterRoute1
CHAPEL RIDGE CIR
OLD HAUL RD
OLD WALKER LN
ROCK MANOR DR
PARK HILLS DR
ROLLING HILLS DR
2100 NORTH
2050 NORTH
2025 NORTH
1975 NORTH
1950 NORTH
1900 NORTH
1850 NORTH
1825 NORTH
1750 NORTH
MAIN ST
FIRE BREAK RD
25 EAST
150 EAST
50 EAST
100 EAST
200 EAST
CANYON VIEW CIR
300 EAST
350 EAST

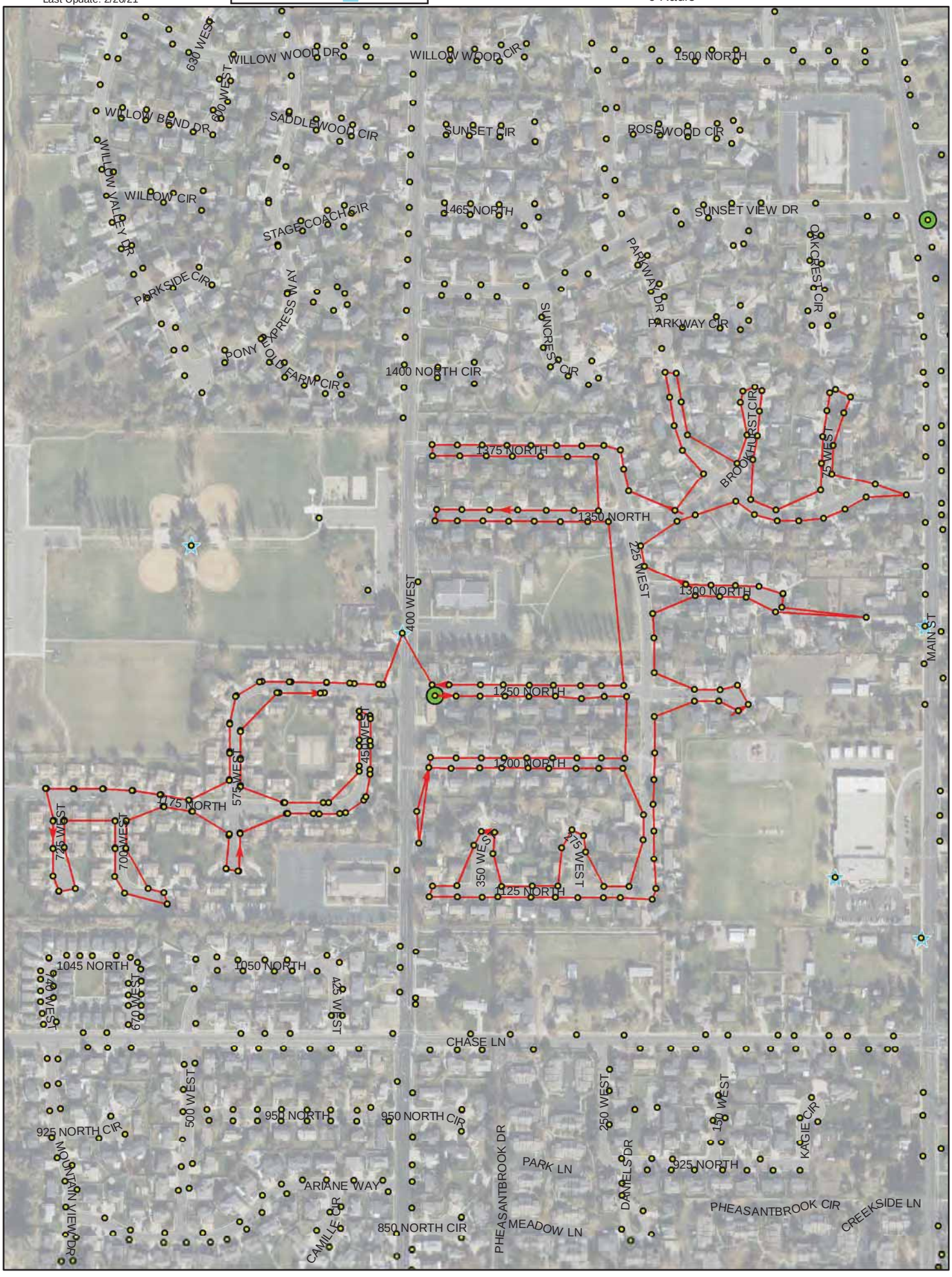

420
210
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
4 Miles - 228 Total Reads
228 Touch
0 Radio
WaterMeterRoute2
LUND LN
2360 NORTH
2200 NORTH
FRONTAGE RD
OLD HAUL RD
WALKER LN
MAIN ST
2050 NORTH
2025 NORTH
CHURCHILL DR
2075 NORTH
725 WEST
750 WEST
1925 NORTH
1900 NORTH
500 WEST
400 WEST
450 WEST
1950 NORTH
1875 NORTH
1850 NORTH
600 WEST
170 WEST
1825 NORTH
VALLEY DR
1800 NORTH
300 WEST
JENNINGS LN


600
300
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
4.2 Miles - 207 Total Reads
205 Touch
2 Radio
WaterMeterRoute3
2100 NORTH
2050 NORTH
2025 NORTH
1975 NORTH
1950 NORTH
1900 NORTH
1875 NORTH
1850 NORTH
1800 NORTH
1750 NORTH
1675 NORTH
1650 NORTH
1500 NORTH
1465 NORTH
725 WEST
750 WEST
450 WEST
400 WEST
300 WEST
650 WEST
600 WEST
525 WEST
500 WEST
170 WEST
79 WEST
100 EAST
150 EAST
200 EAST
50 EAST
CHURCHILL DR
VALLEY DR
COUNTRY CIR
JENNINGS LN
MAIN ST
RIGBY CT
ROCKY MANOR DR
PARKHILLS DR
KIT CARSON CIR
JIM BRIDGER DR
LEWIS & CLARK DR
FREMONT CIR
PONY EXPRESS WAY
WILLOW VALLEY DR
FOX CT
WILLOW RIDGE CIR
WILLOW WOOD DR
WILLOW WOOD CIR
WILLOW BEND DR
WILLOW CIR
STAGECOACH CIR
PARKSIDE CIR
GALLUP CIR
SUNSET CIR
SUNSET VIEW DR
SMOOT PARKWAY
MICKY
JERSEY CIR
RICKS CREEK WAY
PARKWAY DR
ROSEWOOD CIR
PARKWAY CIR
OAKCREST CIR
CARRINGTON LN
FRONTAGE RD


350
175
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
4.4 Miles - 244 Total Reads
244 Touch
0 Radio
WaterMeterRoute4
I-15
FRONTAGE RD
LEWIS & CLARK CIR
1675 NORTH
LEWIS & CLARK DR
KIT CARSON CIR
JIM BRIDGER DR
FREMONT CIR
WILLOW VALLEY DR
WILLOW BEND DR
WILLOW CIR
PARKSIDE CIR
1650 NORTH
525 WEST
500 WEST
630 WEST
600 WEST
400 WEST
FOX CT
PONY EXPRESS WAY
JENNINGS LN
WILLOW VALE CIR
WILLOW VALLEY CIR
WILLOW RIDGE CIR
WILLOW WOOD DR
WILLOW WOOD CIR
SADDLEWOOD CIR
STAGE COACH CIR
GALLUP CIR
OLD FARM CIR
1465 NORTH
1400 NORTH CIR
SUNSET CIR
SUNSET VIEW DR
SUNCREST CIR
SMOOT PARK WAY
MILKY

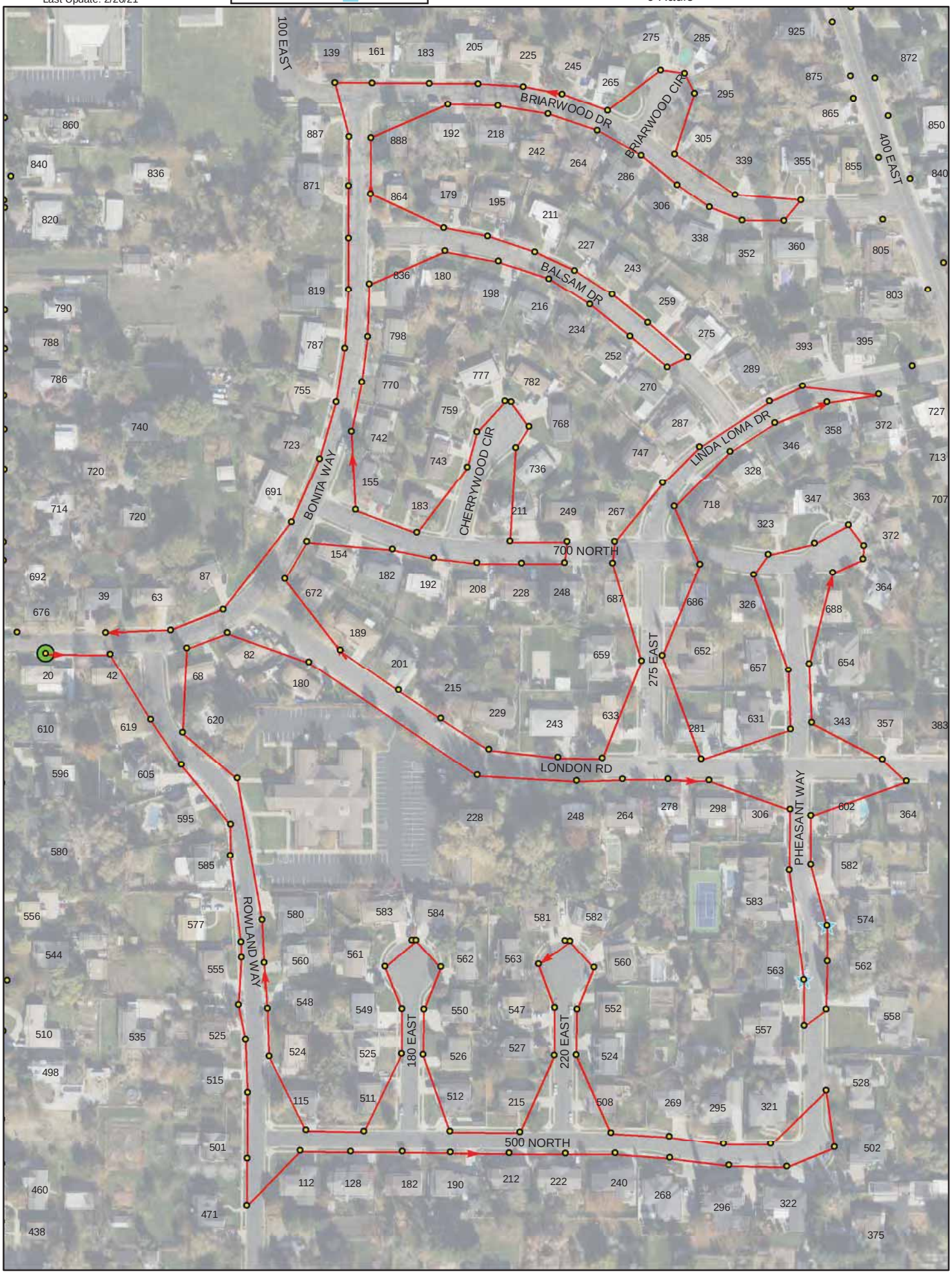

320
160
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
3.9 Miles - 200 Total Reads
200 Touch
0 Radio
WaterMeterRoute5
JENNINGS LN
MILKY
JERSEY CIR
WILLOW VALE CIR
SMOOT PARK WAY
RICKS CREEK WAY
WILLOW VALLEY CIR
WILLOW RIDGE CIR
400 WEST
WILLOW WOOD CIR
1500 NORTH
MAIN ST
SUNSET CIR
ROSEWOOD CIR
CARRINGTON LN
1465 NORTH
PARKWAY DR
SUNSET VIEW DR
SUNSET VIEW CIR
OAKCREST CIR
SUNCREST CIR
PARKWAY CIR
1400 NORTH CIR
BROOKHURST CIR
75 WEST
1375 NORTH


360
180
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
5.2 Miles - 239 Total Reads
202 Touch
37 Radio
WaterMeterRoute6
RICKS CREEK CIR
FORD CANYON CROSSING
FORD CANYON DR
HOMESTEAD CIR
CARRINGTON LN
SUNSET VIEW DR
MAIN ST
PEACH TREE DR
COTTONWOOD DR
CASA LOMA CIR
CASA LOMA DR
DEERFIELD DR
150 EAST
50 EAST
200 EAST
325 EAST
400 EAST
CHERRY LN
NOLA DR
NOLA CIR
1500 NORTH
1375 NORTH
1350 NORTH
1250 NORTH
BARNARD ST


510
255
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
4.3 Miles - 279 Total Reads
279 Touch
0 Radio
WaterMeterRoute7
630 WEST
600 WEST
WILLOW WOOD DR
WILLOW WOOD CIR
1500 NORTH
WILLOW BEND DR
SADDLEWOOD CIR
SUNSET CIR
ROSEWOOD CIR
WILLOW VALLEY DR
WILLOW CIR
1465 NORTH
SUNSET VIEW DR
STAGECOACH CIR
PARKSIDE CIR
SONY EXPRESSWAY
GOLD FARM CIR
1400 NORTH CIR
SUNCREST CIR
PARKWAY DR
PARKWAY CIR
OAKCREST CIR
BROOKHURST CIR
75 WEST
1375 NORTH
1350 NORTH
225 WEST
1300 NORTH
400 WEST
MAIN ST
1250 NORTH
450 WEST
575 WEST
1200 NORTH
1175 NORTH
725 WEST
700 WEST
350 WEST
325 WEST
1125 NORTH
1045 NORTH
1050 NORTH
470 WEST
670 WEST
425 WEST
CHASE LN
500 WEST
950 NORTH
950 NORTH CIR
925 NORTH CIR
250 WEST
150 WEST
KATIE CIR
PHEASANTBROOK DR
PARK LN
DANIELS DR
925 NORTH
MOUNTAIN VIEW DR
ARIANE WAY
CAMILLE CIR
850 NORTH CIR
MEADOW LN
PHEASANTBROOK CIR
CREEKSIDE LN

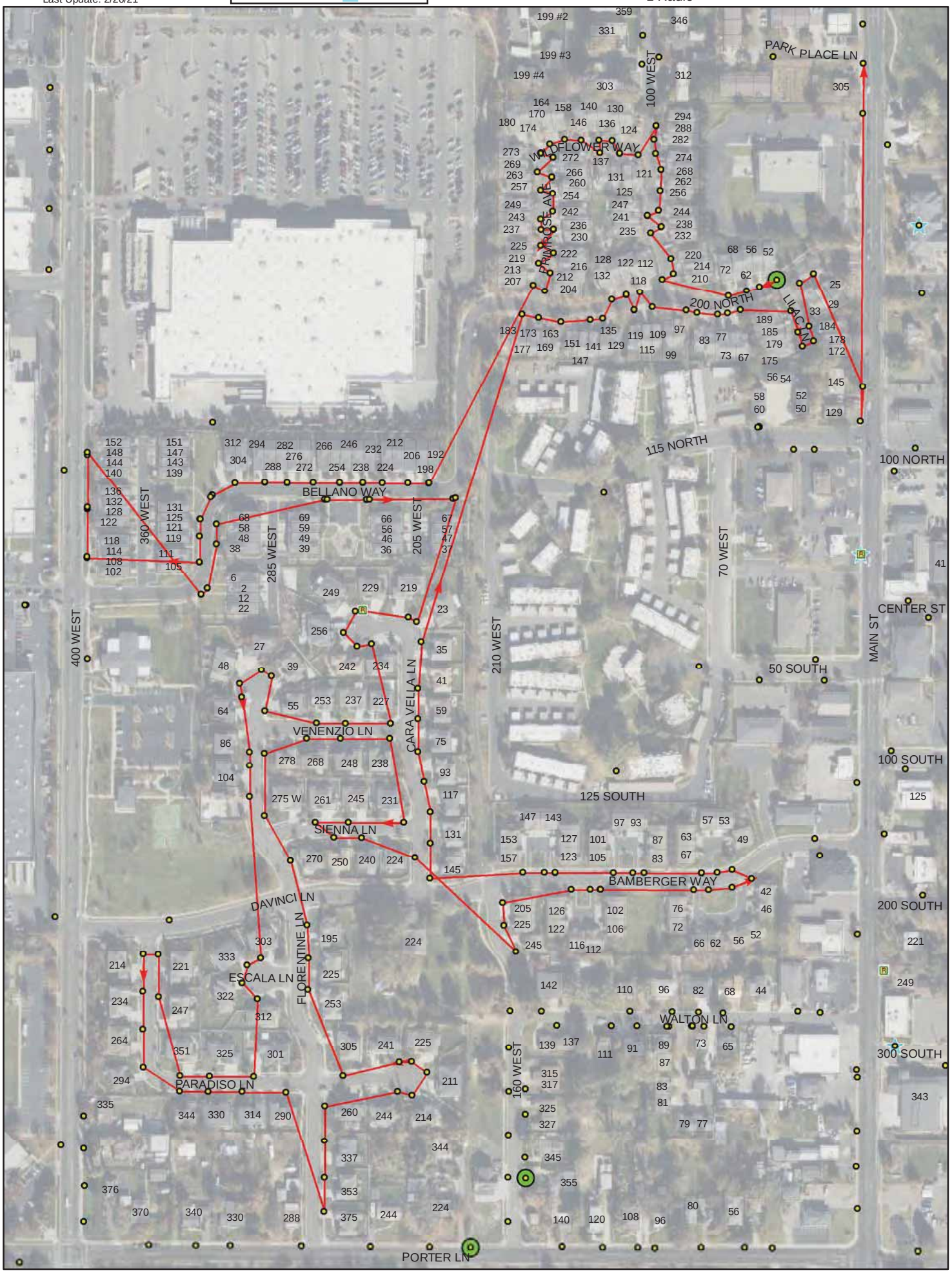

440
220
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
4.7 Miles - 250 Total Reads
241 Touch
9 Radio
WaterMeterRoute8
CARRINGTON LN
PEACH TREE DR
COTTONWOOD DR
CASA LOMA DR
1350 NORTH
1375 NORTH
1400 NORTH
1250 NORTH
1100 NORTH
BARNARD ST
CHASE LN
ADAMS CIR
NOLA CIR
POWELL AVE
FIRE BREAK RD
GOLDEN RAINTREE DR
MAIN ST
DEERFIELD DR
OAKRIDGE DR
CHERRY LN
WILMAR PL
BARRUS COVE
HUGHES ST
DORIS ST
DORIS CIR
NOLA DR
150 EAST
200 EAST
325 EAST
400 EAST
500 EAST
50 EAST
75 EAST
100 EAST
175 EAST
250 EAST
300 EAST


440
220
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
4.4 Miles - 223 Total Reads
222 Touch
1 Radio
WaterMeterRoute9
1100 NORTH
POWELL AVE
CHASE LN
PARRISH LN
900 NORTH
775 NORTH
700 NORTH
500 NORTH
LONDON RD
650 NORTH
WORSLEY LN
ASPEN WAY
175 EAST
250 EAST
300 EAST
400 EAST
500 EAST
600 EAST
700 EAST
220 EAST
275 EAST
HUGHES ST
DORIS ST
DORIS CIR
OAKRIDGE DR
GOLDEN RAINTREE DR
SHADOW MOUNTAIN DR
POPLAR CIR
BRIARWOOD CIR
BRIARWOOD DR
BALSAM DR
LINDA LOMA DR
CHERRYWOOD CIR
PHEASANT WAY
WILLOW PL
FIRE BREAK RD

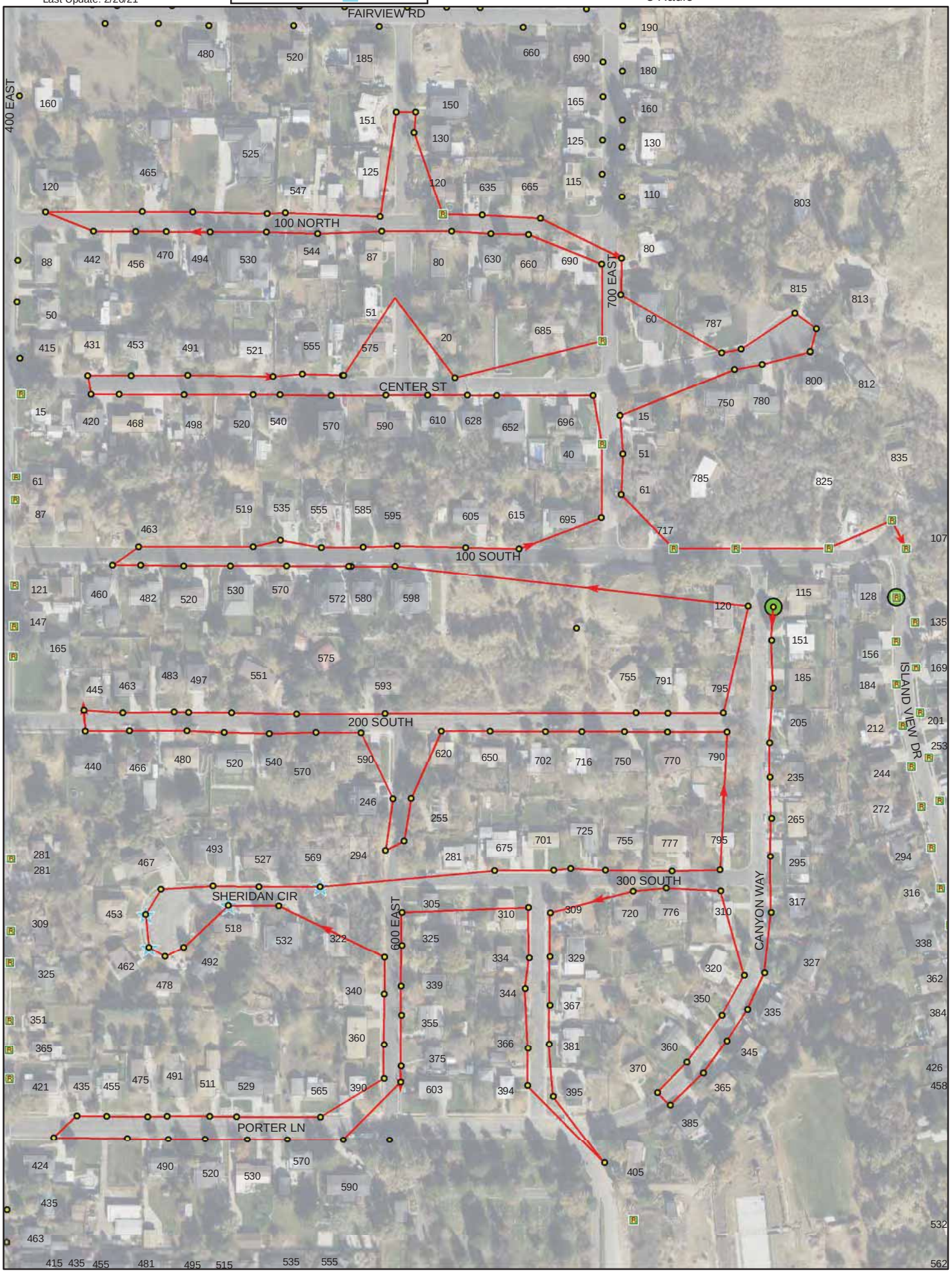

250
125
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
3.2 Miles - 174 Total Reads
174 Touch
0 Radio
WaterMeterRoute10
100 EAST
BRIARWOOD DR
BRIARWOOD CIR
400 EAST
BALSAM DR
BONITA WAY
CHERRYWOOD CIR
LINDA LOMA DR
700 NORTH
275 EAST
LONDON RD
PHEASANT WAY
ROWLAND WAY
180 EAST
220 EAST
500 NORTH

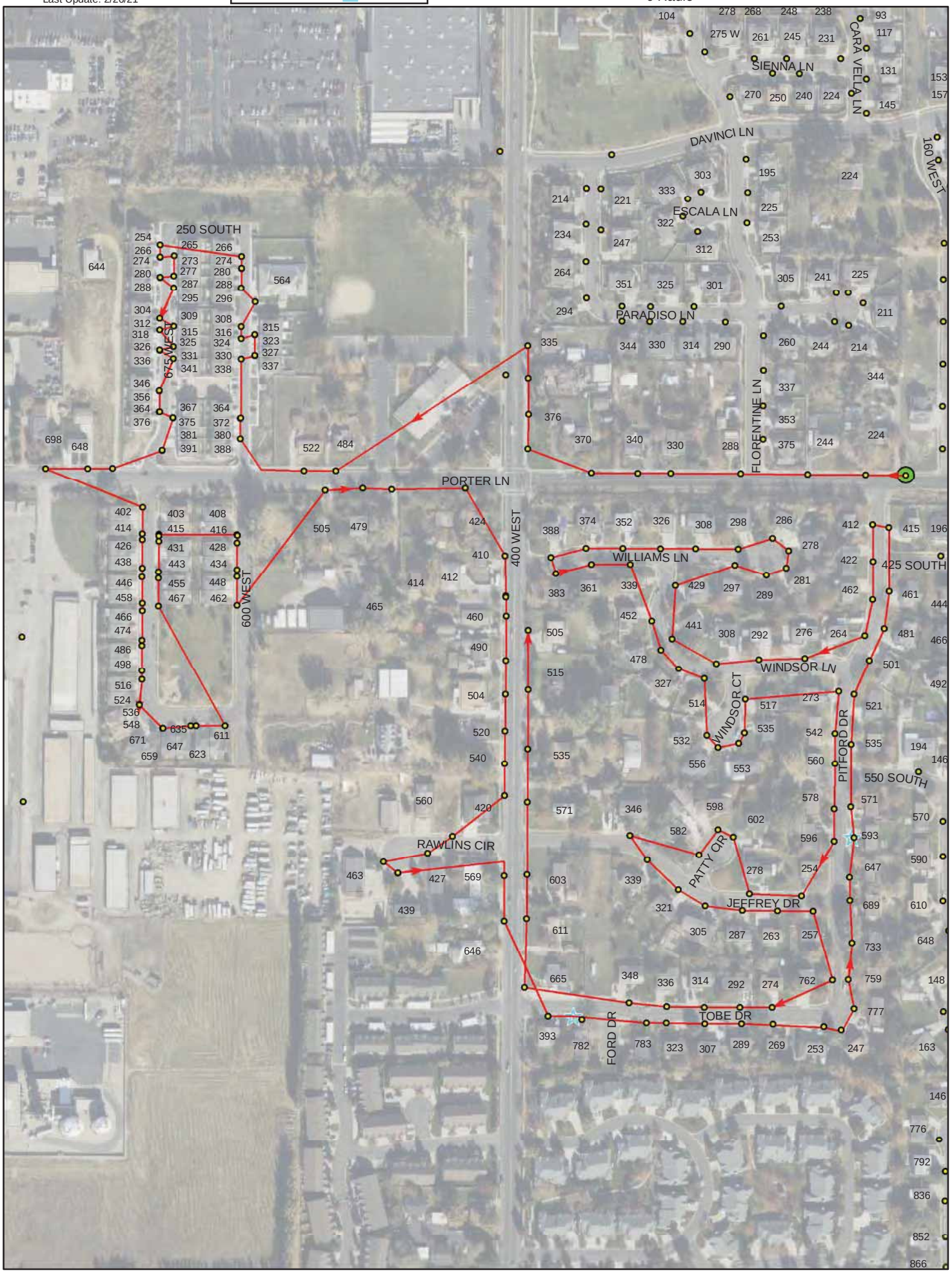

375
187.5
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
4.3 Miles - 275 Total Reads
275 Touch
0 Radio
WaterMeterRoute11
CHASE LN
ADAMS CIR
425 WEST
BROOKFIELD LN
ROBERTS RD
150 WEST
250 WEST
KAGIE CIR
950 NORTH
950 NORTH C/R
925 NORTH
PARK LN
CAMILLE CIR
ARIANE WAY
850 NORTH CIR
MEADOW LN
DANIELS DR
PHEASANTBROOK CIR
CREEKSIDE LN
PEBBLEWOOD LN
LAKESIDE LN
PHEASANTBROOK DR
CREEK VIEW RD
400 WEST
MAIN ST
710 NORTH
165 WEST
75 WEST
680 NORTH
310 WEST
255 WEST
APPLEWOOD DR
650 NORTH
625 NORTH
555 NORTH
550 NORTH
350 WEST
300 WEST
200 WEST
BONITA WAY
ROWLAND WAY

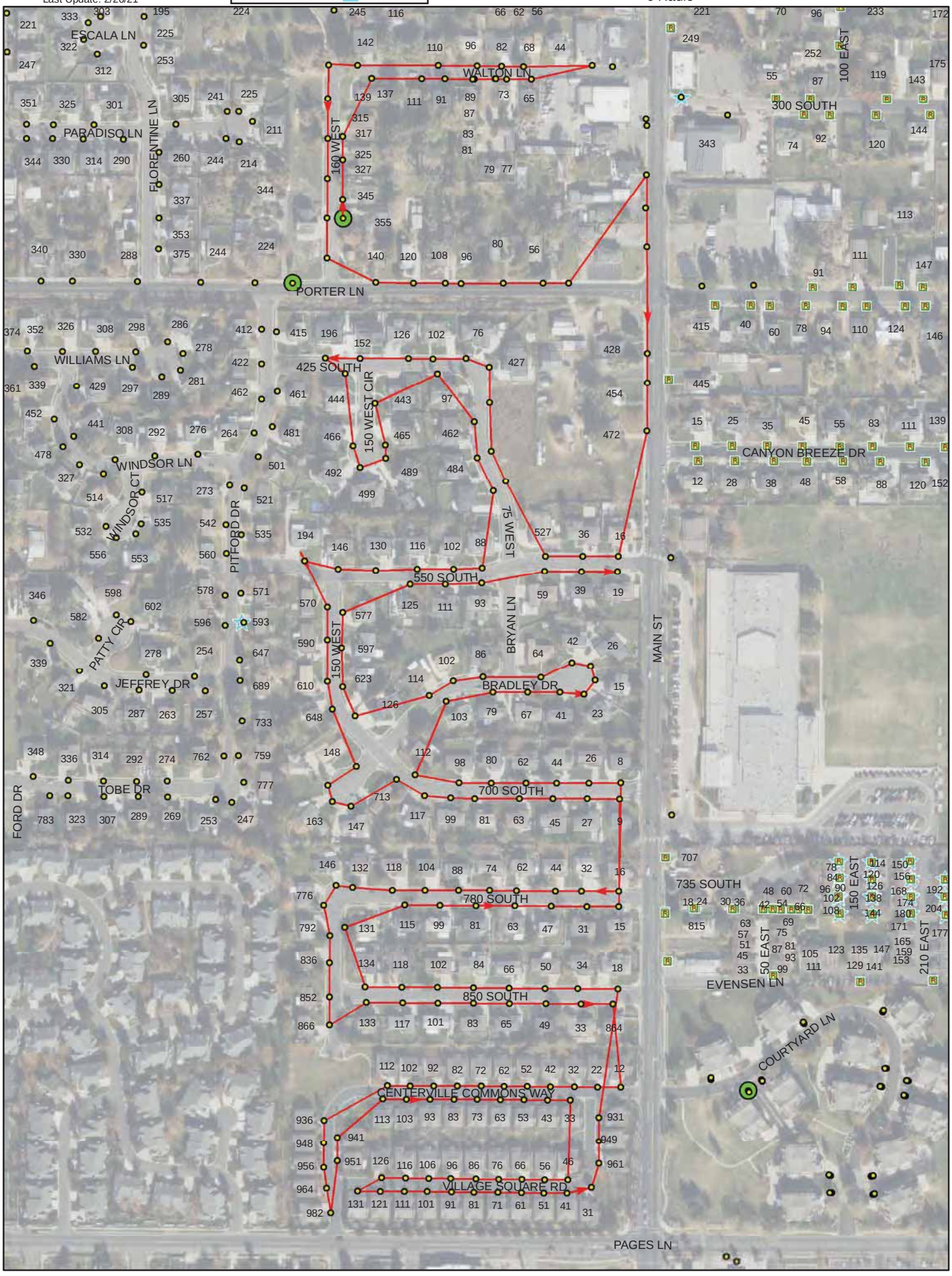

Start Meter
TouchRead
Radio Read
Inside Meters
Route
275
137.5
0 Feet
Last Update: 2/26/21
4.7 Miles - 267 Total Reads
266 Touch
1 Radio
WaterMeterRoute12
1045 NORTH
1050 NORTH
740 WEST
670 WEST
425 WEST
CHASE LN
500 WEST
950 NORTH
950 NORTH CIR
925 NORTH CIR
MOUNTAIN VIEW DR
ARIANE WAY
CAMILLE CIR
400 WEST
850 NORTH CIR
FRONTAGE RD
CREEK VIEW CIR
CREEK VIEW RD
VIEW CIR
MOUNTAIN VIEW CIR
MOUNTAIN VIEW RD
650 WEST
APPLEWOOD DR
650 NORTH
555 NORTH
700 WEST
I-15

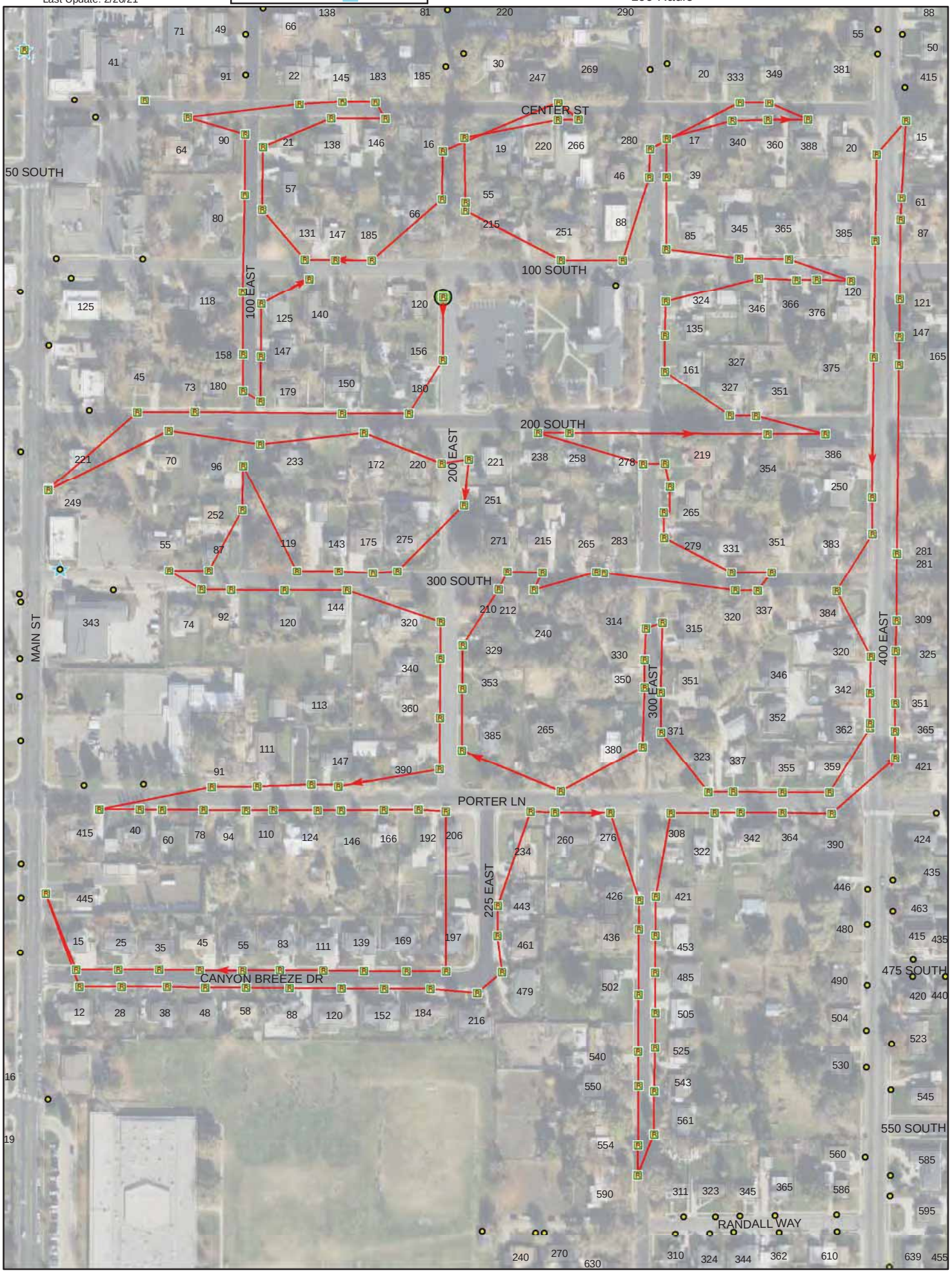

330
165
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
2.9 Miles - 256 Total Reads
255 Touch
1 Radio
WaterMeterRoute13
PARK PLACE LN
100 WEST
WILDFLOWER WAY
PRIMROSE AVE
200 NORTH
LILAC LN
115 NORTH
100 NORTH
BELLANO WAY
360 WEST
285 WEST
205 WEST
70 WEST
210 WEST
400 WEST
MAIN ST
CENTER ST
50 SOUTH
100 SOUTH
125 SOUTH
200 SOUTH
300 SOUTH
CARA VELLA LN
VENENZIO LN
SIENNA LN
DAVINCI LN
FLORENTINE LN
ESCALA LN
PARADISO LN
BAMBERGER WAY
WALTON LN
160 WEST
PORTER LN

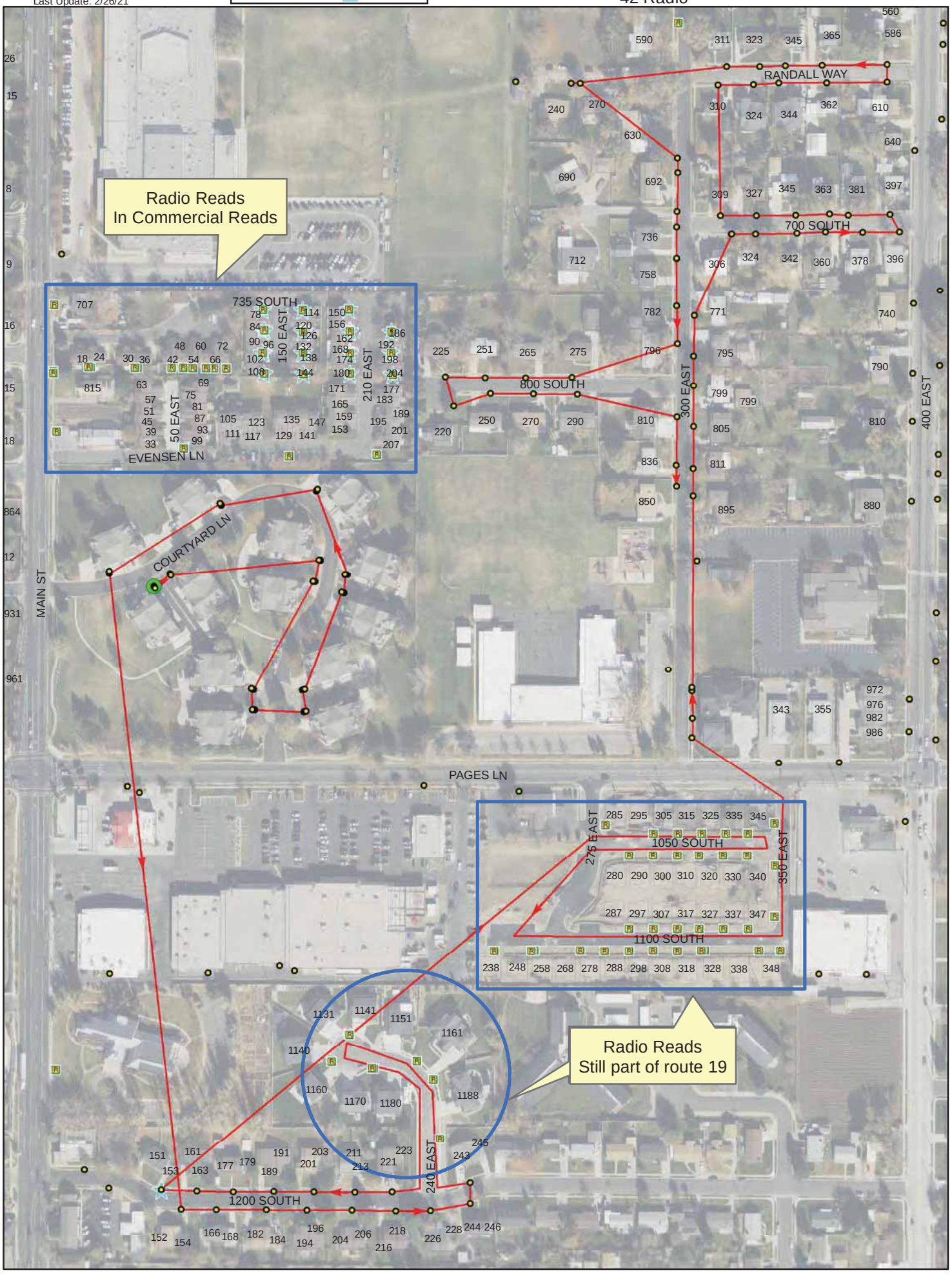

500
250
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
4.5 Miles - 205 Total Reads
205 Touch
0 Radio
WaterMeterRoute14
700 NORTH
BONITA WAY
275 EAST
LONDON RD
PHEASANT WAY
500 EAST
650 NORTH
ROYAL LANDWAY
180 EAST
220 EAST
WORSLEY LN
500 NORTH
PARRISH LN
DEER HOLLOW CIR
300 NORTH
250 NORTH
650 EAST
400 EAST
FAIRVIEW RD
700 EAST
100 EAST
100 NORTH
600 EAST
CENTER ST
100 SOUTH
200 EAST
300 EAST
200 SOUTH
300 SOUTH
SHERIDAN CIR

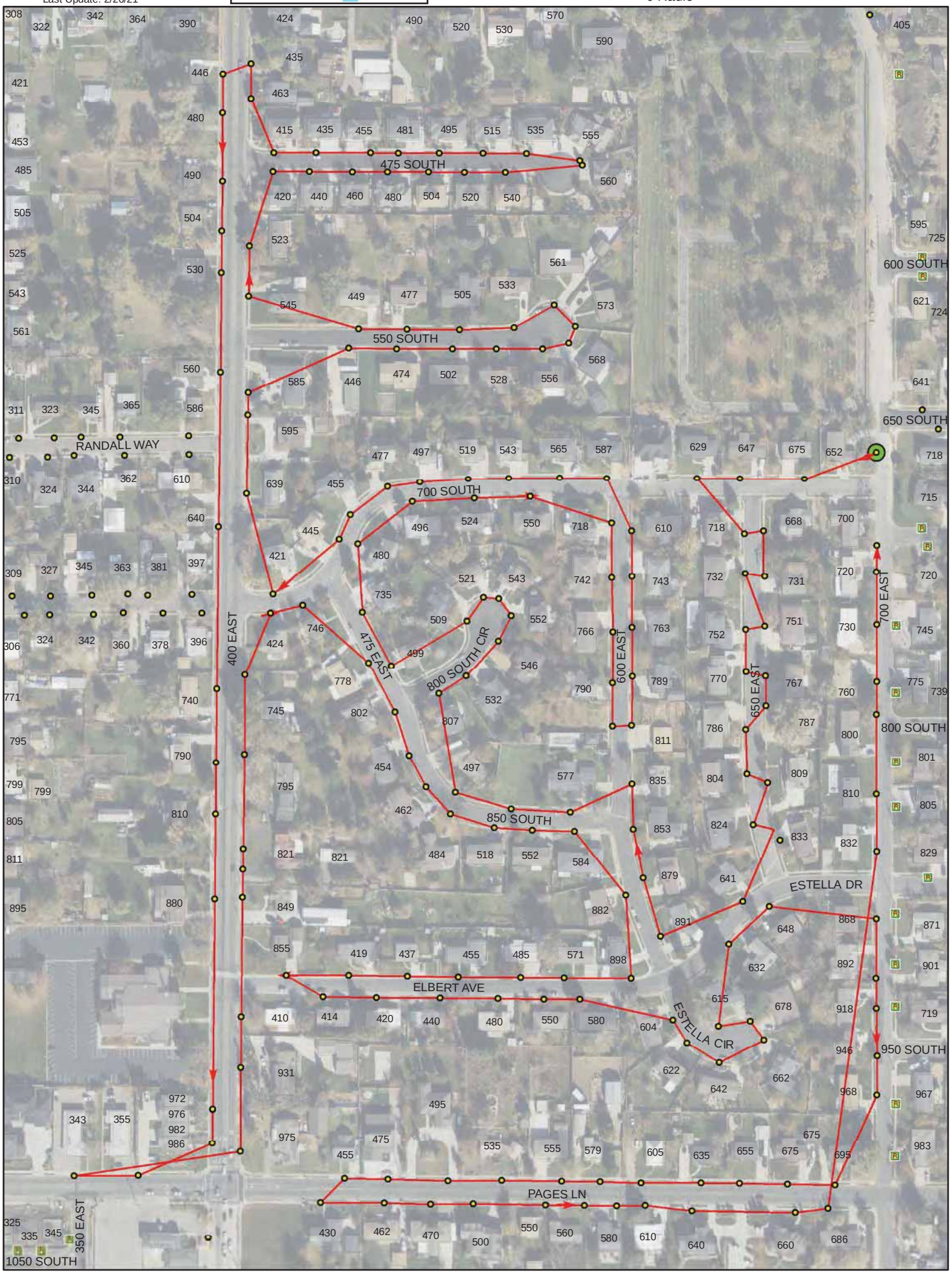

290
145
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
3.7 Miles - 179 Total Reads
171 Touch
8 Radio
WaterMeterRoute15
FAIRVIEW RD
400 EAST
100 NORTH
700 EAST
CENTER ST
100 SOUTH
200 SOUTH
300 SOUTH
SHERIDAN CIR
600 EAST
CANYON WAY
ISLAND VIEW DR
PORTER LN


340
170
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
2.9 Miles - 199 Total Reads
199 Touch
0 Radio
WaterMeterRoute16
250 SOUTH
675 WEST
600 WEST
400 WEST
160 WEST
PORTER LN
DAVINCI LN
SIENNA LN
CARA VELLA LN
ESCALA LN
PARADISO LN
FLORENTINE LN
WILLIAMS LN
WINDSOR LN
WINDSOR CT
PITFORD DR
425 SOUTH
550 SOUTH
RAWLINS CIR
PATTY CIR
JEFFREY DR
TOBE DR
FORD DR


360
180
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
3.5 Miles - 201 Total Reads
201Touch
0 Radio
WaterMeterRoute17
ESCALA LN
PARADISO LN
FLORENTINE LN
WALTON LN
160 WEST
PORTER LN
WILLIAMS LN
425 SOUTH
150 WEST CIR
WINDSOR LN
WINDSOR CT
PITFORD DR
75 WEST
550 SOUTH
BRYAN LN
MAIN ST
PATTY CIR
JEFFREY DR
150 WEST
BRADLEY DR
FORD DR
TOBE DR
700 SOUTH
780 SOUTH
850 SOUTH
CENTERVILLE COMMONS WAY
VILLAGE SQUARE RD
300 SOUTH
100 EAST
CANYON BREEZE DR
735 SOUTH
150 EAST
50 EAST
210 EAST
EVENSEN LN
COURTYARD LN
PAGES LN


320
160
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
4.5 Miles - 199 Total Reads
0 Touch
199 Radio
WaterMeterRoute18
CENTER ST
50 SOUTH
100 SOUTH
200 SOUTH
300 SOUTH
100 EAST
200 EAST
300 EAST
400 EAST
225 EAST
MAIN ST
PORTER LN
CANYON BREEZE DR
475 SOUTH
550 SOUTH
RANDALL WAY


300
150
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
2 Miles - 191 Total Reads
149 Touch
42 Radio
WaterMeterRoute19
Radio Reads
In Commercial Reads
735 SOUTH
EVENSEN LN
50 EAST
150 EAST
210 EAST
COURTYARD LN
MAIN ST
RANDALL WAY
700 SOUTH
800 SOUTH
300 EAST
400 EAST
PAGES LN
1050 SOUTH
1100 SOUTH
275 EAST
350 EAST
1200 SOUTH
240 EAST
Radio Reads
Still part of route 19


280
140
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
3.7 Miles - 184 Total Reads
184 Touch
0 Radio
WaterMeterRoute20
475 SOUTH
550 SOUTH
600 SOUTH
650 SOUTH
700 SOUTH
800 SOUTH
850 SOUTH
950 SOUTH
1050 SOUTH
RANDALL WAY
400 EAST
475 EAST
600 EAST
650 EAST
700 EAST
350 EAST
800 SOUTH CIR
ESTELLA DR
ESTELLA CIR
ELBERT AVE
PAGES LN


440
220
0 Feet
Last Update: 2/26/21
Start Meter
TouchRead
Radio Read
Inside Meters
Route
3 Miles - 161 Total Reads
22 Touch
139 Radio
WaterMeterRoute21
100 SOUTH
200 SOUTH
300 SOUTH
475 SOUTH
550 SOUTH
600 SOUTH
650 SOUTH
700 SOUTH
800 SOUTH
850 SOUTH
950 SOUTH
CANYON WAY
SHERIDAN CIR
PORTER LN
700 EAST
600 EAST
650 EAST
800 EAST
ISLAND VIEW DR
ISLAND VIEW CIR
FIRE BREAK RD
ESTELLA DR
ESTELLA CIR
ELBERT AVE
RIDGELINE CIR
SUNRISE CIR
PAGES LN

RESOLUTION NO. 2021-13

A RESOLUTION AUTHORIZING THE SUBMITTAL OF A FINANCIAL ASSISTANCE APPLICATION TO THE BUREAU OF RECLAMATION FOR INSTALLING WATER METERS AND RADIOS; AUTHORIZING THE CITY COUNCIL TO EXECUTE ALL NECESSARY APPLICATION DOCUMENTS; AND AUTHORIZING THE SUBMISSION OF THIS APPLICATION

WHEREAS, the City of Centerville, Utah ("City") desires to improve water monitoring and management of its entire service area; and

WHEREAS, the project involves installing water meters and radios on targeted residential and commercial building ("Project"); and

WHEREAS, the City's Water Management Plan and Ordinances recognize the need for monitoring water use and using water efficiently; and

WHEREAS, the U.S. Bureau of Reclamation (USBR) has announced the availability of funds for small-scale water efficiency projects through FY 2021 WaterSMART Grants: Small-Scale Water Efficiency Projects; and

WHEREAS, said funding is intended to conserve and use water more efficiently and accomplish other benefits that contribute to water supply reliability in the western United States; and

WHEREAS, said funding includes grants at reasonable terms; and

WHEREAS, the City will comply with all applicable laws and regulations relating to the project, including applicable provisions of the National Environmental Policy Act ("NEPA") prior to implementation of the Project; and

WHEREAS, various documents are required to be filed with the USBR related to the FY 2021 WaterSMART Grants: Small-Scale Water Efficiency Projects application.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF CENTERVILLE CITY, STATE OF UTAH, AS FOLLOWS:

Section 1. **Support and Authorization**. The City Council supports the FY 2021 Water SMART Grants: Small-Scale Water Efficiency Projects grant application. The City Council hereby authorized the submittal of a financial assistance application with the USBR for the meter and radio Project. The City Council authorizes the Mayor and/or City Manager to sign all necessary Project application documents.

Section 2. **Severability Clause**. If any section, part, or provision of this Resolution is held invalid or unenforceable, such invalidity or unenforceability shall not affect any other portion of this Resolution, and all sections, parts and provisions of this Resolution shall be severable.

Section 3. **Effective Date.** This Resolution shall become effective immediately upon its passage.

PASSED AND ADOPTED BY THE CITY COUNCIL OF CENTERVILLE CITY, STATE OF UTAH, ON THIS 16th DAY OF MARCH, 2021.

ATTEST:

Janet S. Denison, City Recorder

CENTERVILLE CITY

By: _____
Mayor Clark A. Wilkinson

CERTIFICATE OF PASSAGE AND EFFECTIVE DATE

According to the provisions of the U.C.A. § 10-3-719, as amended, resolutions may become effective without publication or posting and may take effect on passage or at a later date as the governing body may determine: provided. resolutions may not become effective more than three months from the date of passage. I, the municipal recorder of Centerville City, hereby certify that foregoing resolution was duly passed by the City Council and became effective upon passage or a later date as the governing body directed as more particularly set forth below.

JANET S. DENISON, City Recorder

DATE: Mar. 16. 2021

EFFECTIVE DATE: 16 day of March, 2021.

CENTERVILLE CITY, INC. 1848 CORPORATE SEAL