

THE TOWN OF
Windermere



MAYOR AND COUNCIL OF THE TOWN OF WINDERMERE

**Mayor Jim O'Brien
Council Members
Robert McKinley
Andy Williams
Chris Sapp
Bill Martini
Liz Andert**

Agenda

Agenda

**WORKSHOP
October 22, 2019
6:00 PM**

**WINDERMERE TOWN HALL
520 MAIN STREET
WINDERMERE, FL 34786
PLEASE TURN OFF ALL CELL PHONES AND PAGERS**

PLEASE NOTE: IN ACCORDANCE WITH F.S. 286.26: Person with disabilities needing assistance to participate in any such proceeding should contact the Office of the Town Clerk at least 48 hours beforehand at (407) 876-2563

Pursuant to Resolution No. 2005-12 adopted on December 13, 2005, the following Civility Code shall govern all proceedings before the Town of Windermere Town Council:

1. All electronic devices, including cell phones and pagers, shall be either turned off or otherwise silenced.
2. Prolonged conversations shall be conducted outside Council meeting hall.
3. Whistling, heckling, gesturing, loud conversations, or other disruptive behavior is prohibited.
4. Only those individuals who have signed the speaker list and/or who have been recognized by the Mayor (or Chair) may address comments to the Council.
5. Comments at public hearings shall be limited to the subject being considered by the Council.
6. Comments at Open Forums shall be directed to Town issues.
7. All public comments shall avoid personal attacks and abusive language
8. No person attending a Town Council meeting is to harass, annoy, or otherwise disturb any other person in the room.

Any member of the public whose behavior is disruptive and violates the Town of Windermere Civility Code is subject to removal from the Town Council meeting by an officer and such other actions as may be appropriate. **PLEASE NOTE:** IN ACCORDANCE WITH F.S. 286.0105: Any person who desires to appeal any decision at this meeting will need a record of this proceeding. For this, such person may need to ensure that a verbatim record of such proceeding is made which includes the

AGENDA

- THE MEETING IS CALLED TO ORDER BY THE MAYOR
 - FLAG SALUTE
 - INVOCATION

 - 1. OPEN FORUM/PUBLIC COMMENT (3 Minute Limit)

 - 2. SPECIAL PRESENTATION/PROCLAMATIONS/AWARDS
 - a. Town of Windermere Hydraulic Model & Water Master Plan (Attachments-Wade Trim to Present)

 - 3. OTHER ITEMS FOR CONSIDERATION
 - a. Moving December 10th Town Council Meeting Date and Time (Discussion Only)

 - 4. MAYOR & COUNCIL LIAISON REPORTS
 - a. MAYOR O'BRIEN
 - b. COUNCILMAN MCKINLEY
 - c. COUNCILMAN WILLIAMS
 - d. COUNCILMAN SAPP
 - e. COUNCILMAN MARTINI
 - f. COUNCILMEMBER ANDERT

 - 5. STAFF REPORTS
 - a. TOWN MANAGER ROBERT SMITH
 - b. ~~TOWN ATTORNEY TOM WILKES~~
 - c. POLICE CHIEF DAVE OGDEN
 - d. PUBLIC WORKS DIRECTOR SCOTT BROWN

 - 6. ADJOURN
-

- REPORTS: NO ACTION REQUIRED
- FILED ITEMS
- IMPORTANT DATES

October

- 10/25 – Farmers Market
- Food Truck Night
- 10/26 – Halloween Hayride & Costume Parade
- 10/30 – Historical Preservation Board Meeting

November

- 11/1 – Farmers Market

- 11/5 – Code Enforcement Hearing
- 11/7 – Food Truck / Farmers Market Selection Committee Meeting
- 11/8 – Farmers Market
- 11/12 – Town Council
- 11/14 – Parks & Recreation Meeting
- 11/15 – Farmers Market
- 11/19 – Development Review Board Meeting
- 11/21 – Windermere Tree Board Meeting
- 11/22 – Farmers Market
- Food Truck Night
- Light Up Windermere (?) TBD
- Holiday Movie Night (?) TBD
- 11/26 – Town Council Workshop
- 11/27 – Historical Preservation Board Meeting
- 11/28 – Thanksgiving. Town Offices CLOSED
- Long Range Planning Committee Meeting RESCHEDULE TBD
- 11/29 – Town Offices CLOSED

December

- 12/3 – Code Enforcement Hearing
- 12/4 – Downtown Business Committee Meeting
- 12/5 – Food Truck / Farmers Market Selection Committee Meeting
- Oral History Project Subcommittee Meeting
- 12/6 – Farmers Market
- Holiday Hoopla
- 12/10 – Elders Luncheon
- 12/12 – Parks & Recreation Meeting
- 12/13 – Farmers Market
- 12/17 – Development Review Board Meeting
- 12/19 – Windermere Tree Board Meeting
- 12/20 – Farmers Market
- 12/24 – Christmas Eve. Town Offices CLOSED
- Town Council Workshop RESCHEDULE TBD
- 12/25 – Christmas Day. Town Offices CLOSED
- 12/26 – Long Range Planning Committee Meeting
- 12/27 – Farmers Market
- Food Truck Night
- 12/31 – New Year's Eve. Town Offices CLOSED

Discussion Items

- Background
- Mission
- Existing System
- Proposed System
- Next Steps

Background

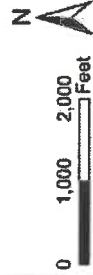


Parcels Served by
Orange County Utilities
2018

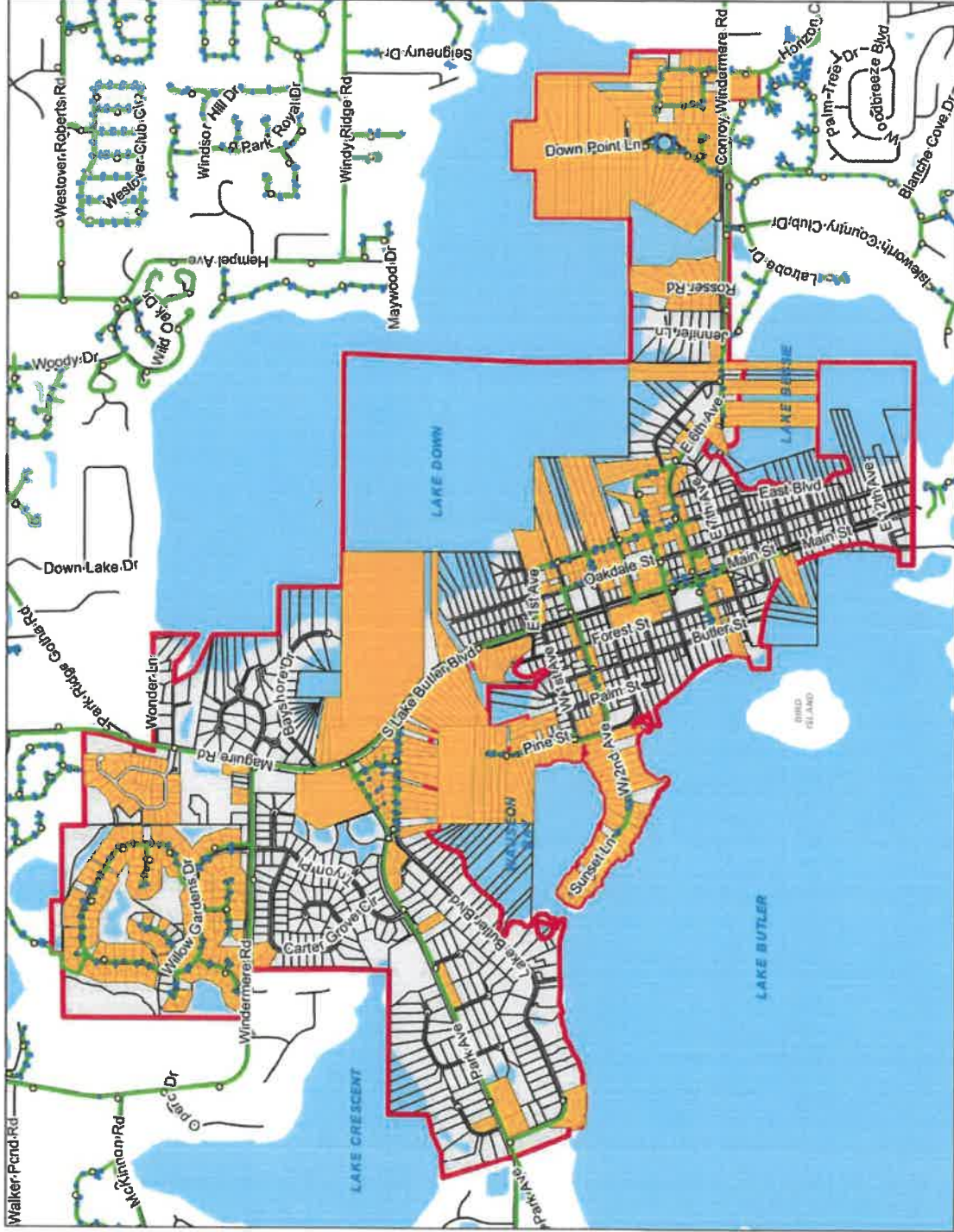
Legend

- Water Hydrant
- Water Service Line
- Water Pressurized Main
- Parcels Served by Orange County Utilities
- Town Limits
- Roads
- Lakes or Ponds

Note: This map and digital data are for planning purposes only and should not be used to determine the precise location of a feature.



TOWN OF WINDERMERE
614 MAIN STREET
WINDERMERE, FL 34786
407.818.2500
WWW.TOWNOFWINDERMERE.FL.US



Benefits of Expanding Water System

- Safety
- Environmental
- Reliability



Mission



Mission

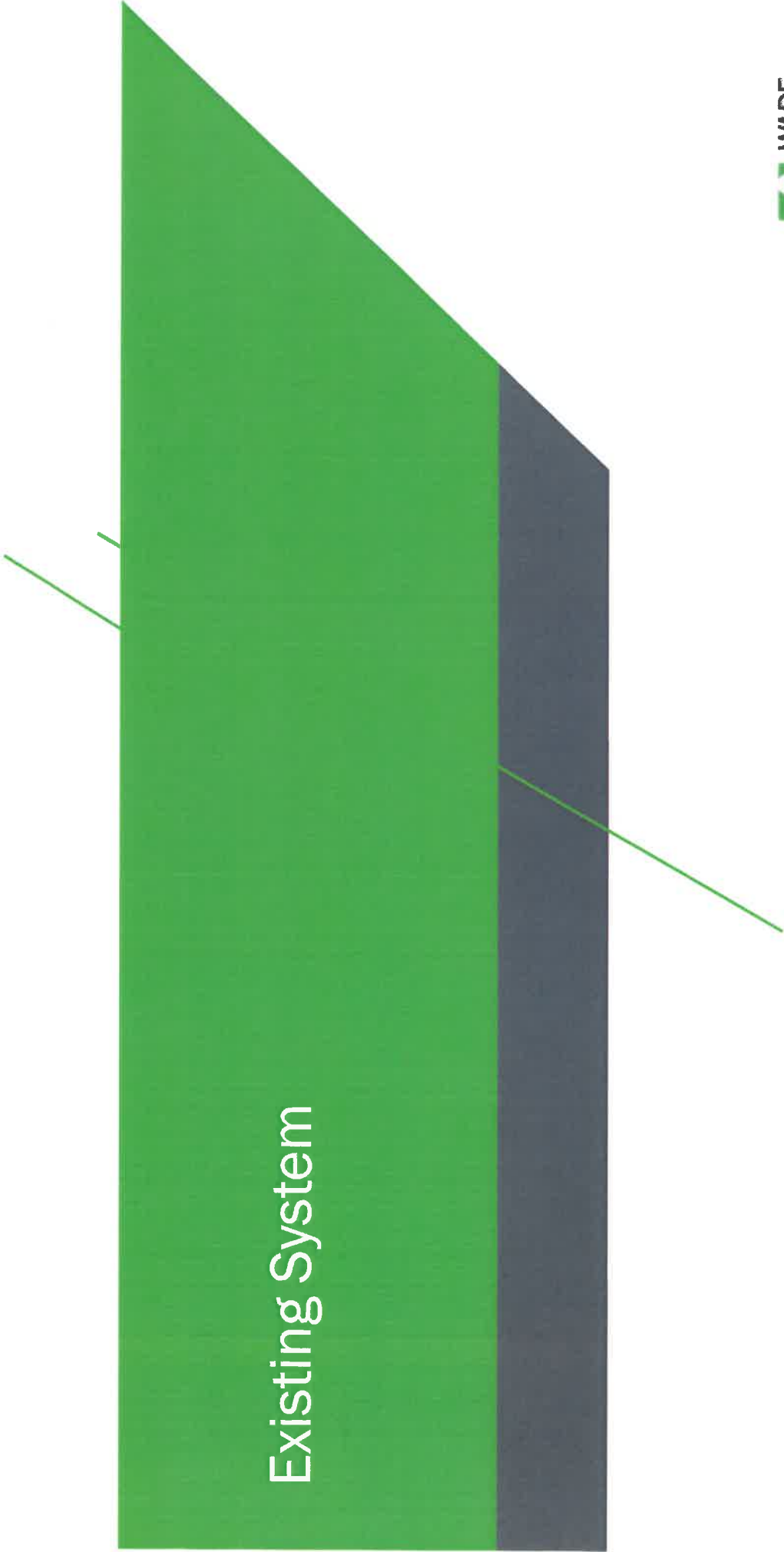
- Develop a reasonable plan to supply all homes with good water quality as well as fire protection
- Understand ability to provide water for future expansion
- Document the positive impacts
- Develop an understanding of the funding

Review of Project Description

Prepare a water master plan to expand OCU's potable water distribution system in the Town of Windermere for buildout conditions

1. Develop a calibrated hydraulic model of existing conditions
2. Prepare 10-Year forecast model [in-fill Town limits]
3. Prepare 20-Year forecast model [include adjacent areas]
4. Recommend capital improvement projects focusing on:
 - Following OCU design and construction standards
 - Maintaining adequate system pressures
 - Minimizing water age
 - Providing required fire flow service

Existing System



OCU Connection Locations

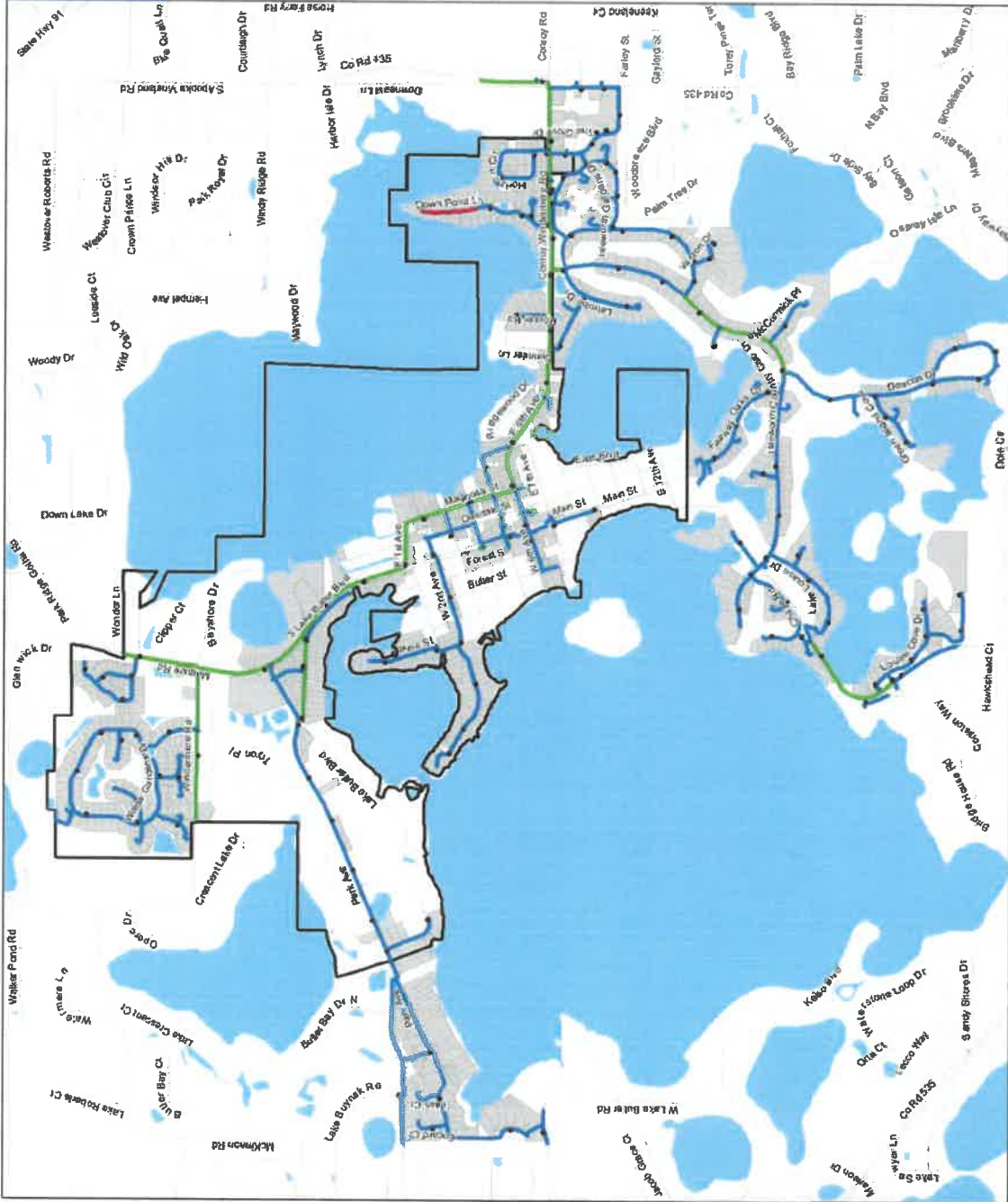


Existing System Material

- Legend**
- Town Limits
 - Parcels Served
 - Roads
 - Lakes or Ponds
 - Hydrants
- Pressurized Water Main Material**
- AC Pipe
 - Cast Iron
 - Ductile Iron Pipe
 - Galvanized Steel
 - High Density Polyethylene
 - Polyethylene
 - Polyvinyl Chloride
 - Prestressed Concrete
 - Steel



614 Main Street
Windermere, FL 34786
(407) 576-2563



Existing System Diameter

Legend

- Town Limits
- Roads
- Lakes or Ponds
- Parcels Served
- Connection Points
- Hydrants

Pressurized Water Main Diameter (inches)

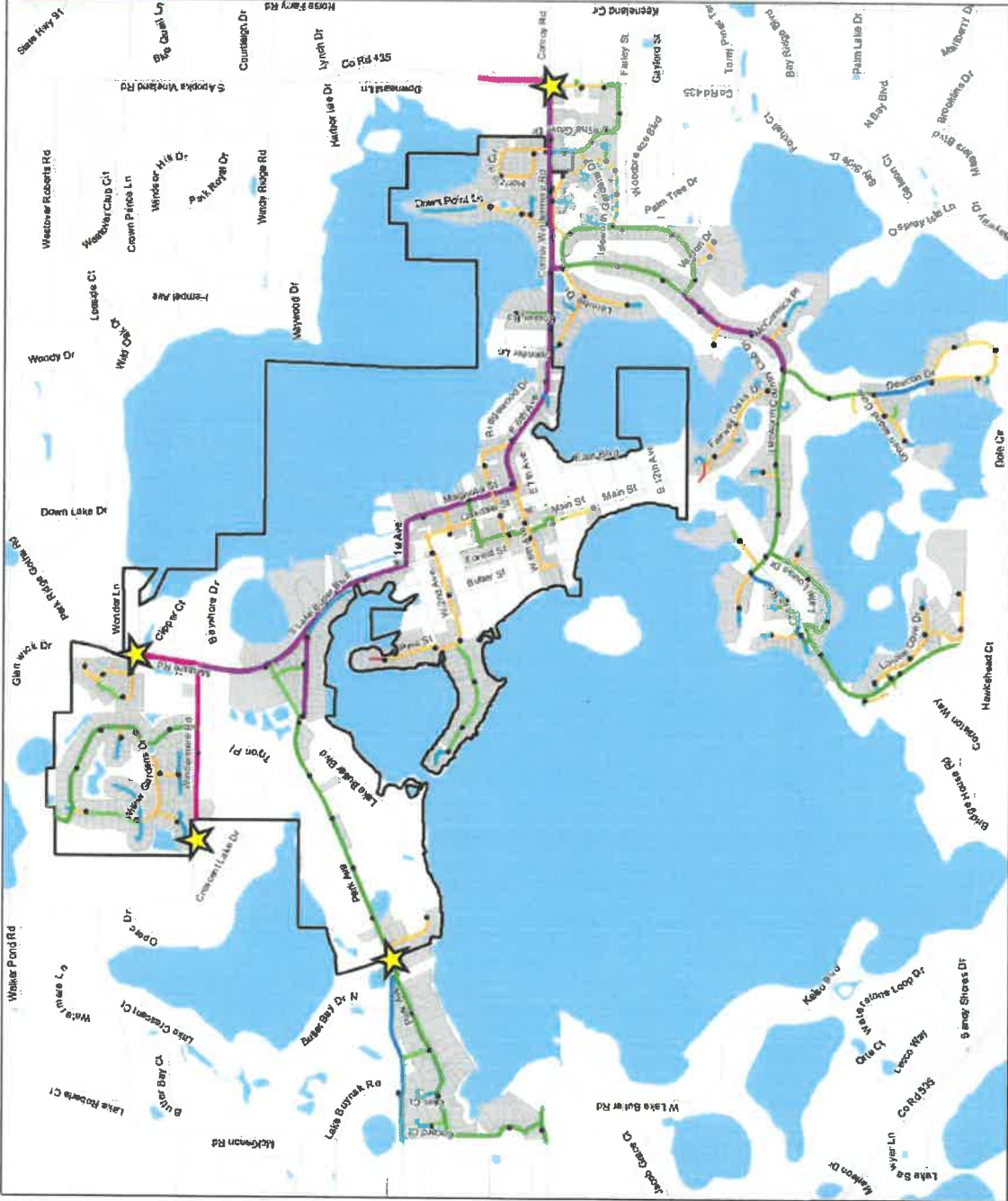
- < 4
- 4
- 6
- 8
- 10
- 12
- 14
- 16
- > 16



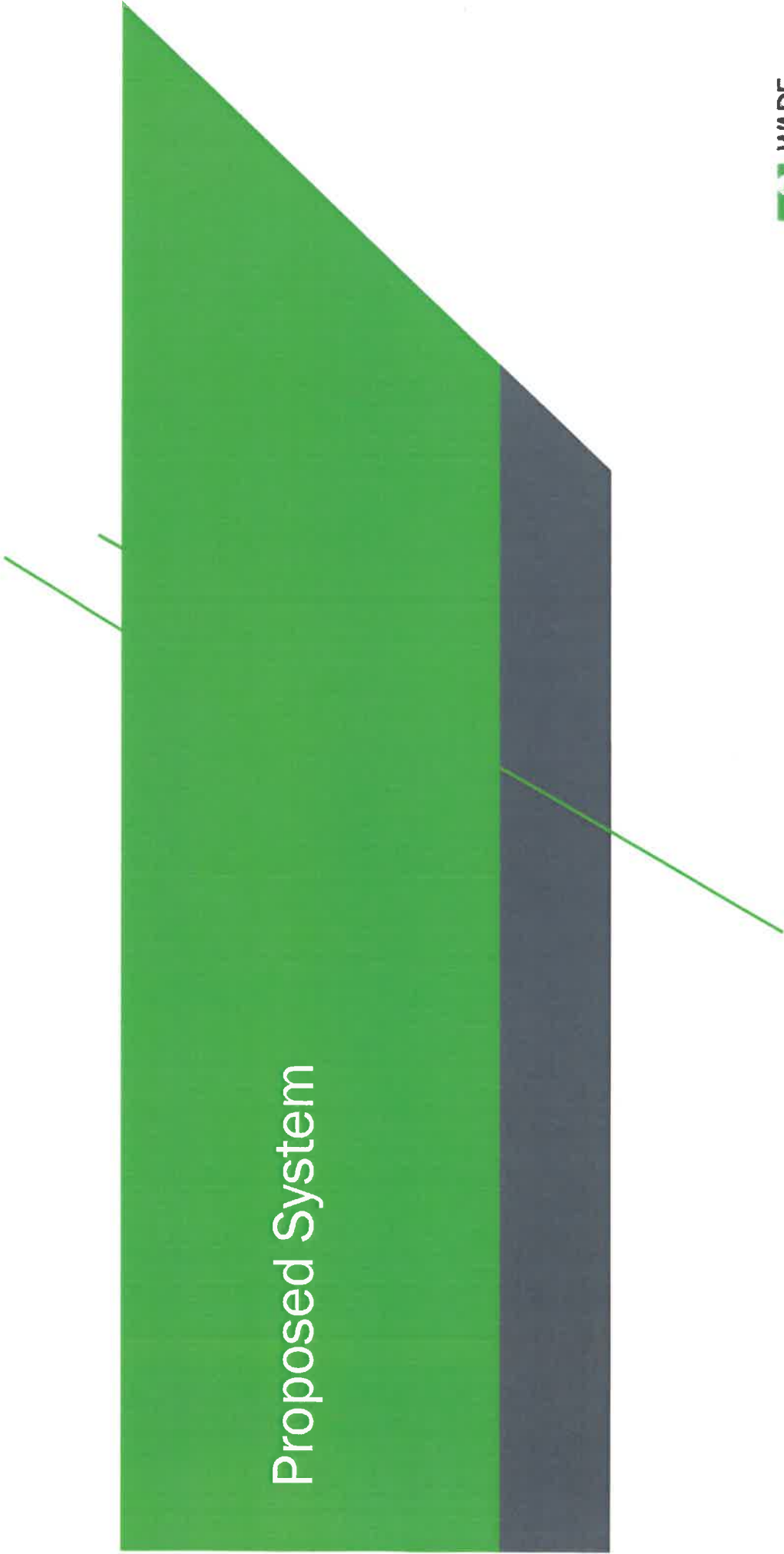
THE TOWN OF
Windermere



814 Main Street
Windermere, FL 34786
(407) 676-3863



Proposed System



10-Year System Diameter

Legend

- Town Limits
- Roads
- Lakes or Ponds
- Parcels Previously Served
- Parcels Added (10-yr)
- Windermere
- Connection Points
- Hydrants

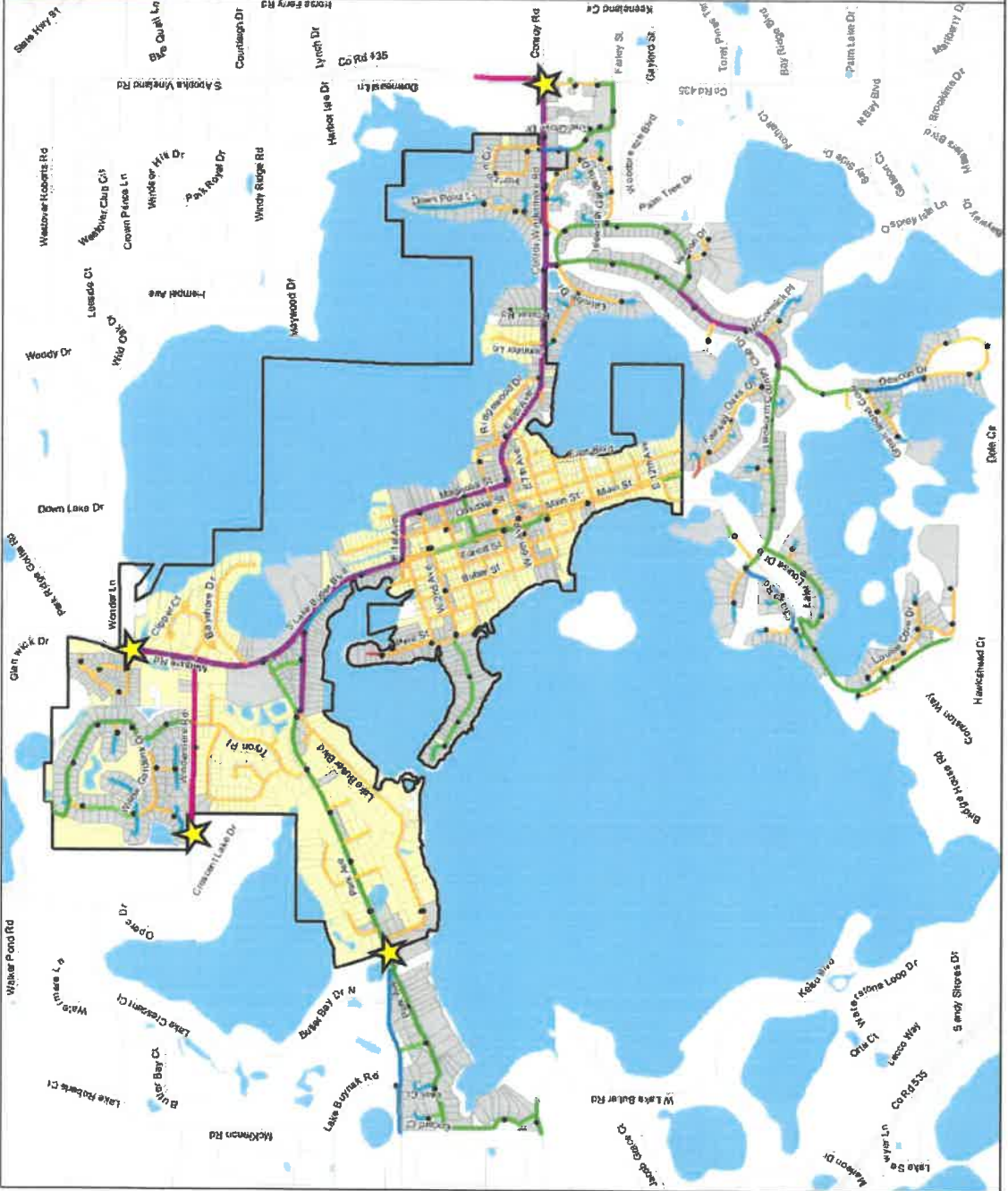
Diameter (inches)

- < 4
- 4
- 6
- 8
- 10
- 12
- 14
- 16
- > 16

0 0.125 0.25 0.5 Miles

THE TOWN OF
Windermere

614 Main Street
Windermere, FL 32786
(407) 876-2863



20-Year System Diameter

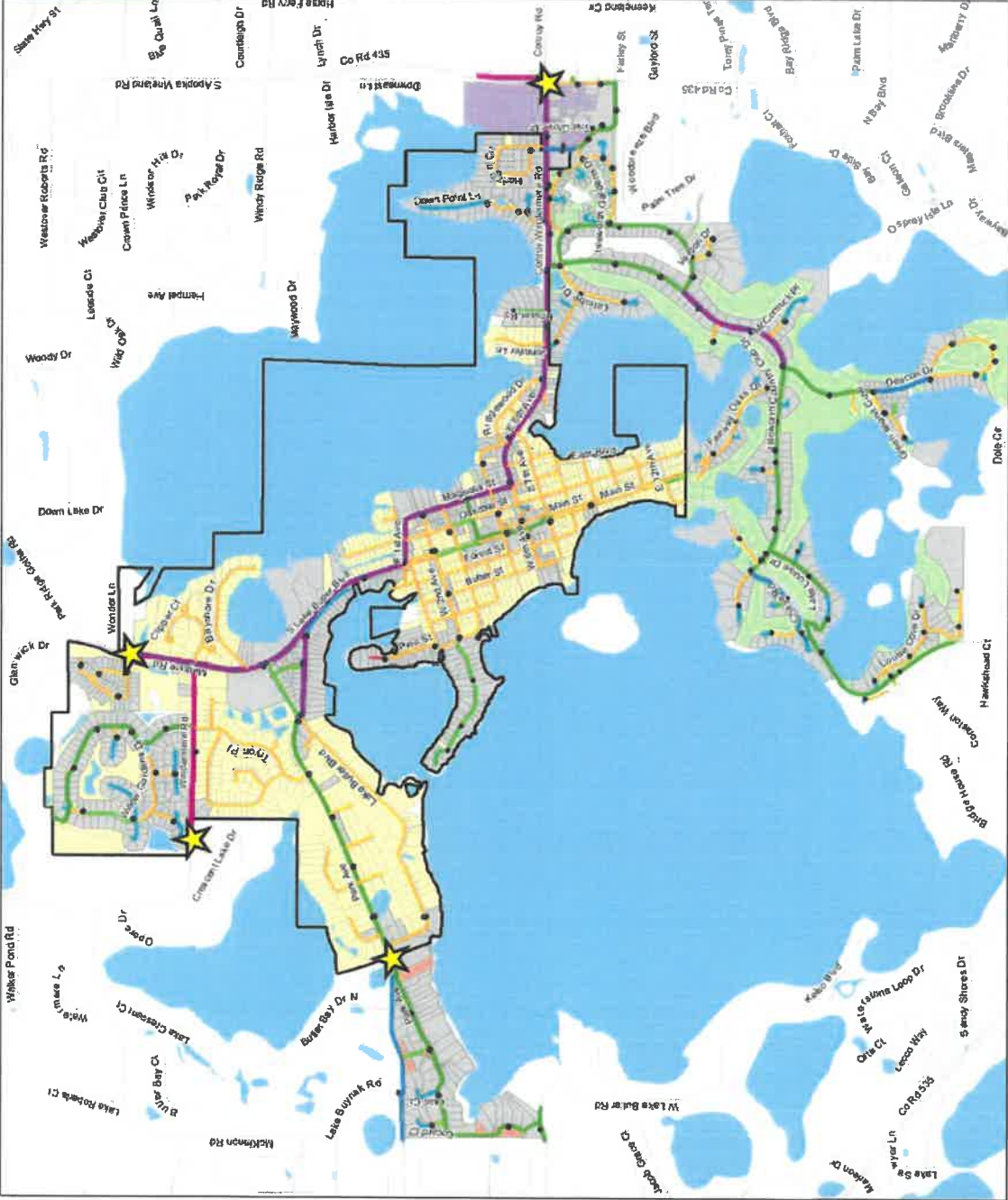
Legend

- Town Limits
- Roads
- Lakes or Ponds
- Parcels Previously Served
- Parcels Added (20-yr)**
 - Chamie du Lac
 - Four Corners West
 - Islesworth
 - Windermere
- Connection Points
- Hydrants
- Diameter (Inches)
 - < 4
 - 4
 - 6
 - 8
 - 10
 - 12
 - 14
 - 16
 - > 16

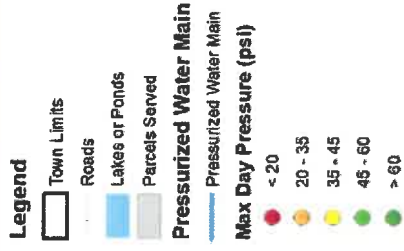
0 0.125 0.25 0.5 Miles

THE TOWN OF
Windermere

614 Main Street
Windermere, FL 34786
(407) 876-2503



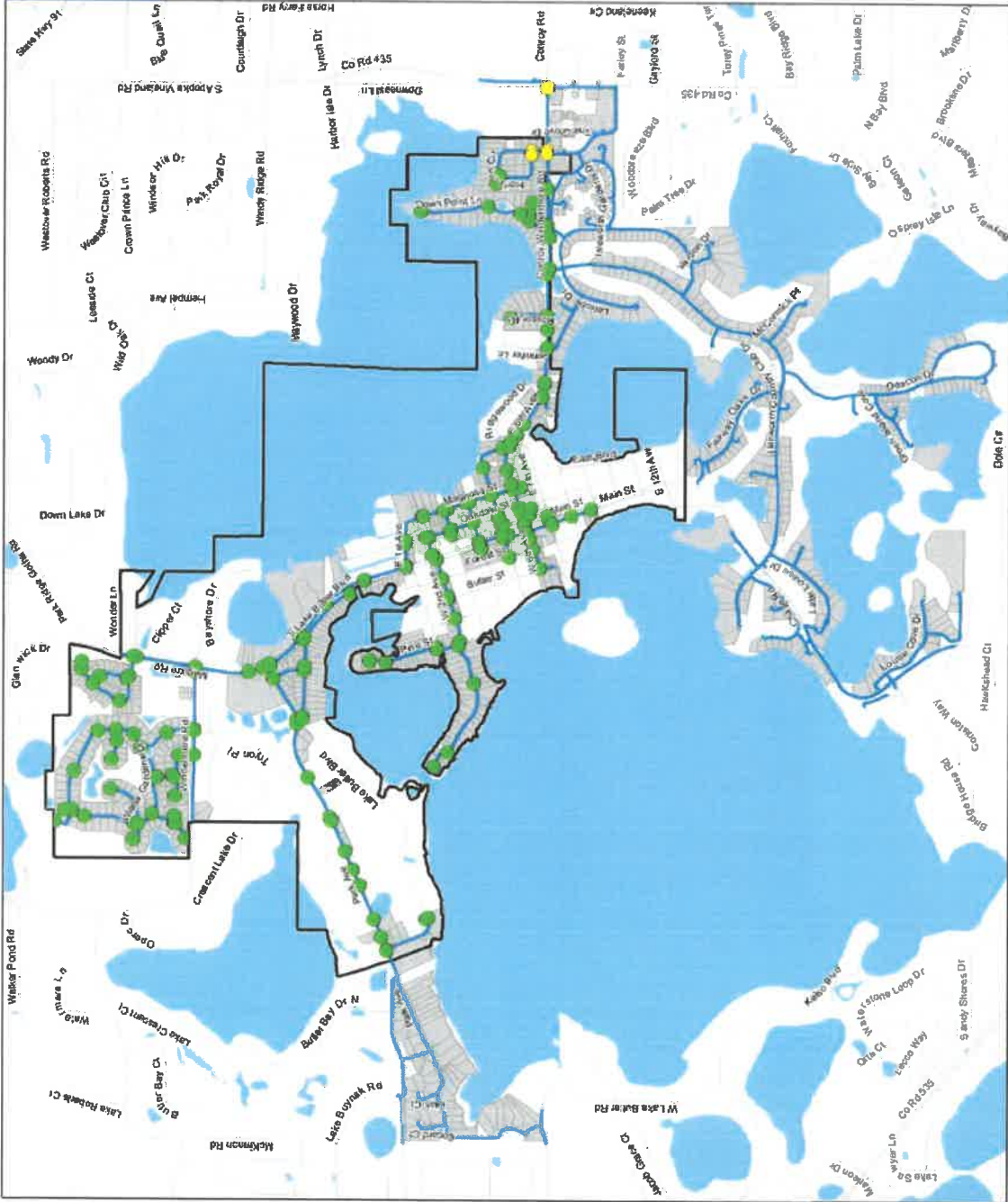
Existing System Pressures



THE TOWN OF
Windermere

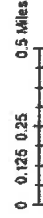


814 Main Street
Windermere, FL 34786
(407) 876-2963



10-Year System Pressures

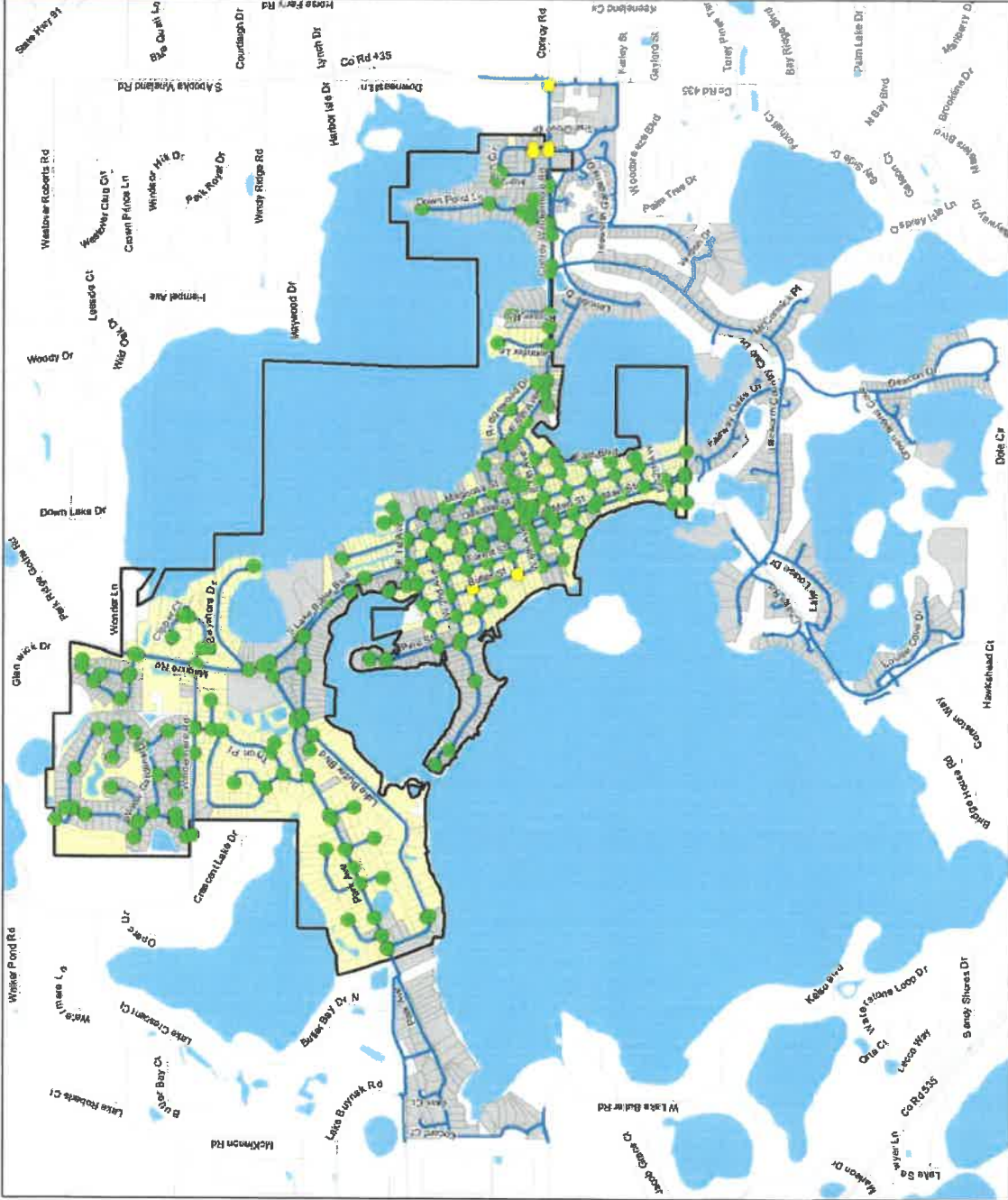
- Legend**
- Town Limits
 - Roads
 - Lakes or Ponds
 - Parcels Previously Served
 - Parcels Added (10-yr)
 - Pressurized Water Main (10-yr)
- Max Day Pressure (psi)**
- < 20
 - 20 - 35
 - 35 - 45
 - 45 - 60
 - > 60



THE TOWN OF
Windermere



814 Main Street
Windermere, FL 34786
(407) 876-3963



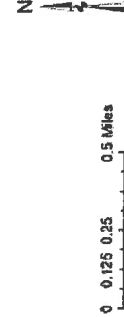
20-Year System Pressures

Legend

- Town Limits
- Roads
- Lakes or Ponds
- Parcels Previously Served
- Parcels Added (20-yr)
- Chaine du Lac
- Four Corners West
- Islesworth
- Windermere
- Pressurized Water Main (20-yr)

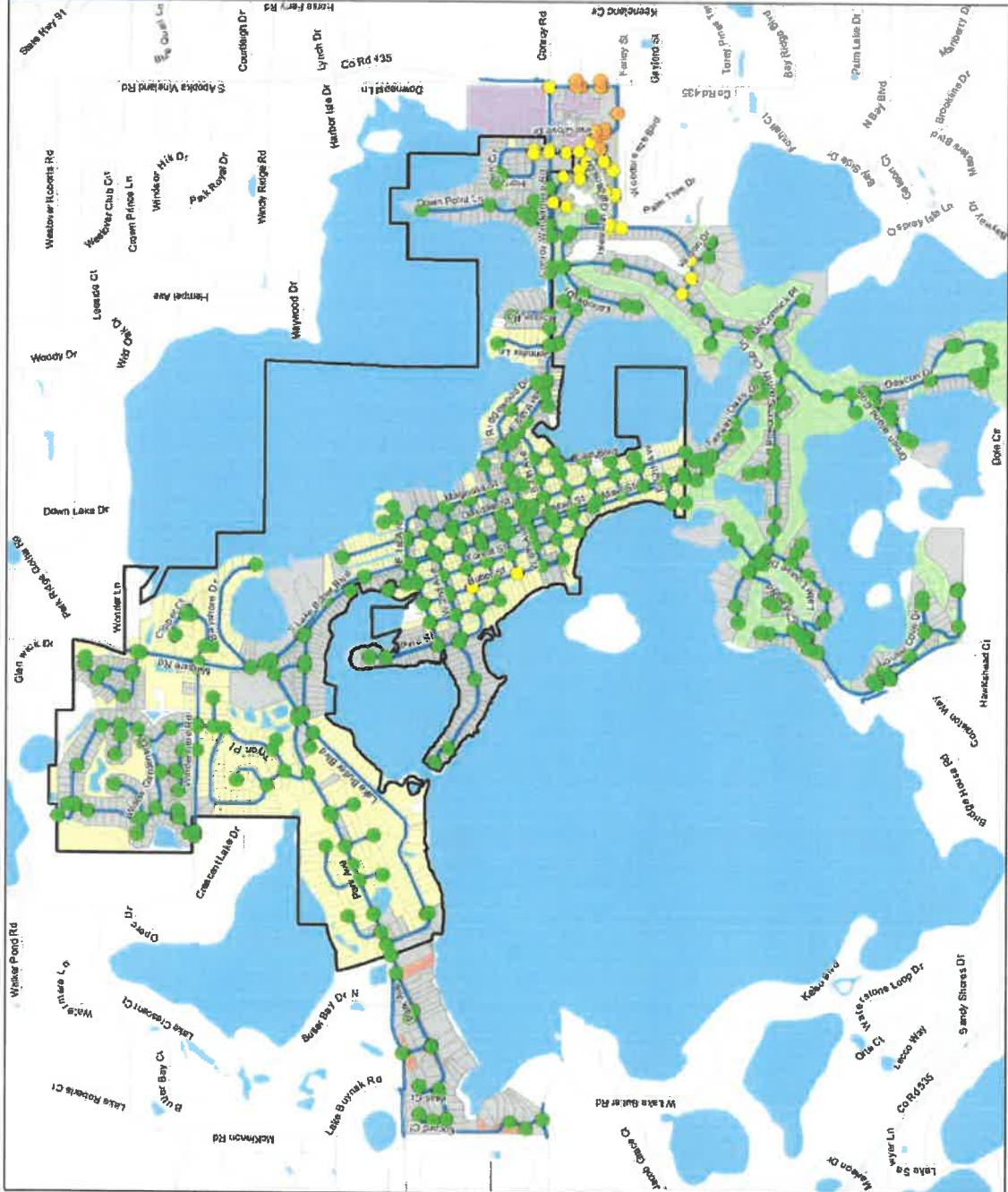
Max Day Pressure (psi)

- < 20
- 20 - 35
- 35 - 45
- 45 - 60
- > 60



THE TOWN OF
Windermere

814 Main Street
Windermere, FL 34786
(407) 676-2865



Existing System Fire Flow

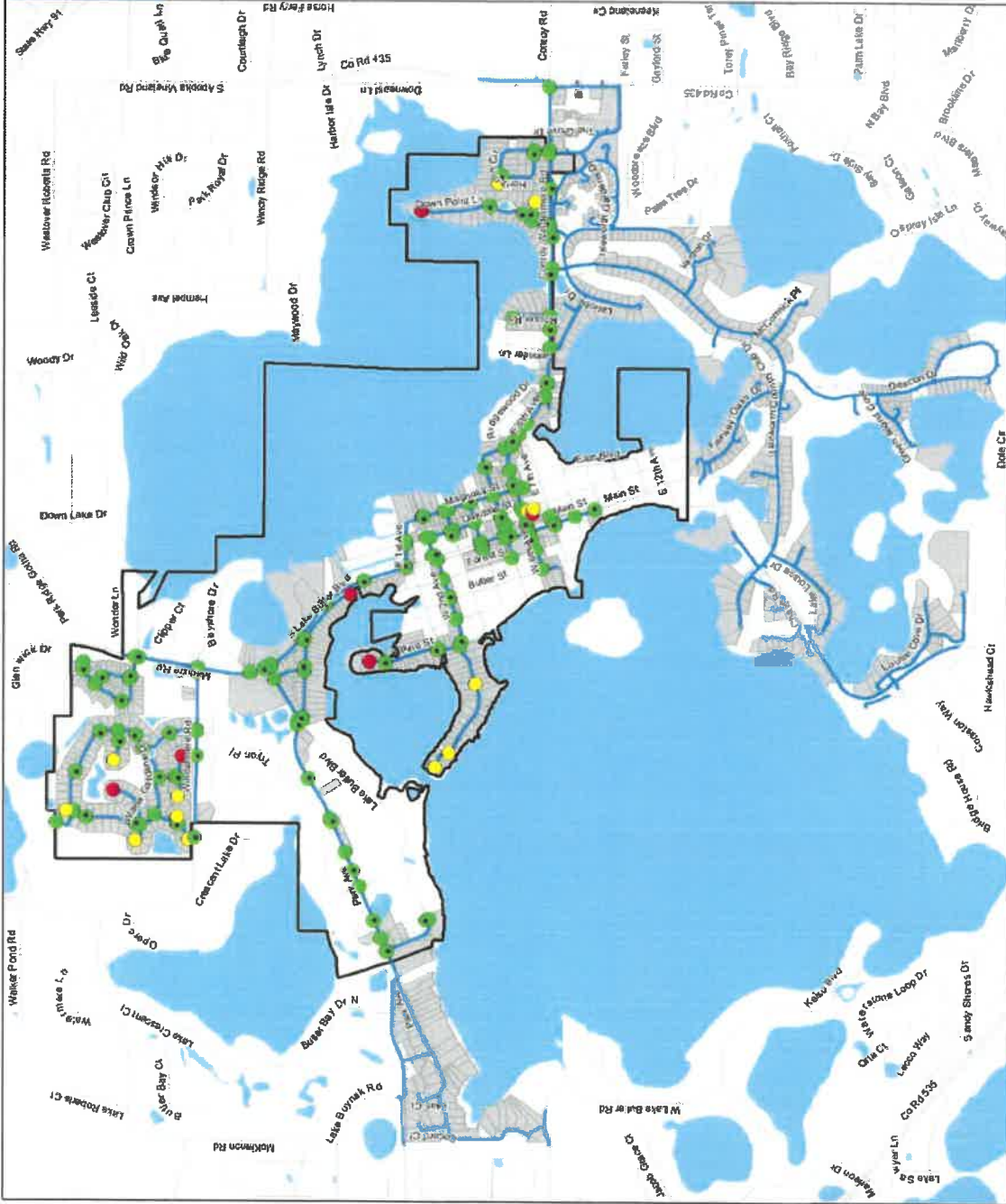
- Legend**
- Town Limits
 - Roads
 - Lakes or Ponds
 - Parcels Served
 - Pressurized Water Main**
 - Pressurized Water Main
 - Hydrants
 - Available Fire Flow**
 - < 500
 - 500 - 1,000
 - > 1,000



THE TOWN OF
Windermere



614 Main Street
Windermere, FL 34786
(407) 876-2553



Breakdown of Home Sizes within Existing Town Limits

Gross Floor Area (Sq Ft)	Number of Residential (Homes)	Number of Non-Residential	Minimum Fire Flow *
0 – Vacant/Not Developed	228	11	-
0 – 5,900	938	12	1500 gpm
5,901 – 7,900	125	1	1750 gpm
7,901 – 9,800	44	2	2000 gpm
9,801 – 12,600	13	2	2250 gpm
12,601 – 15,400	5	4	2500 gpm
15,401 – 18,400	4	1	2750 gpm
18,401 – 21,800	0	0	3000 gpm
21,801 – And Up	0	0	3250 gpm
> 25,900	0	2	Varies

* Based on NFPA 220 Construction Type II (000)

Estimated Gross Floor Area (30%)

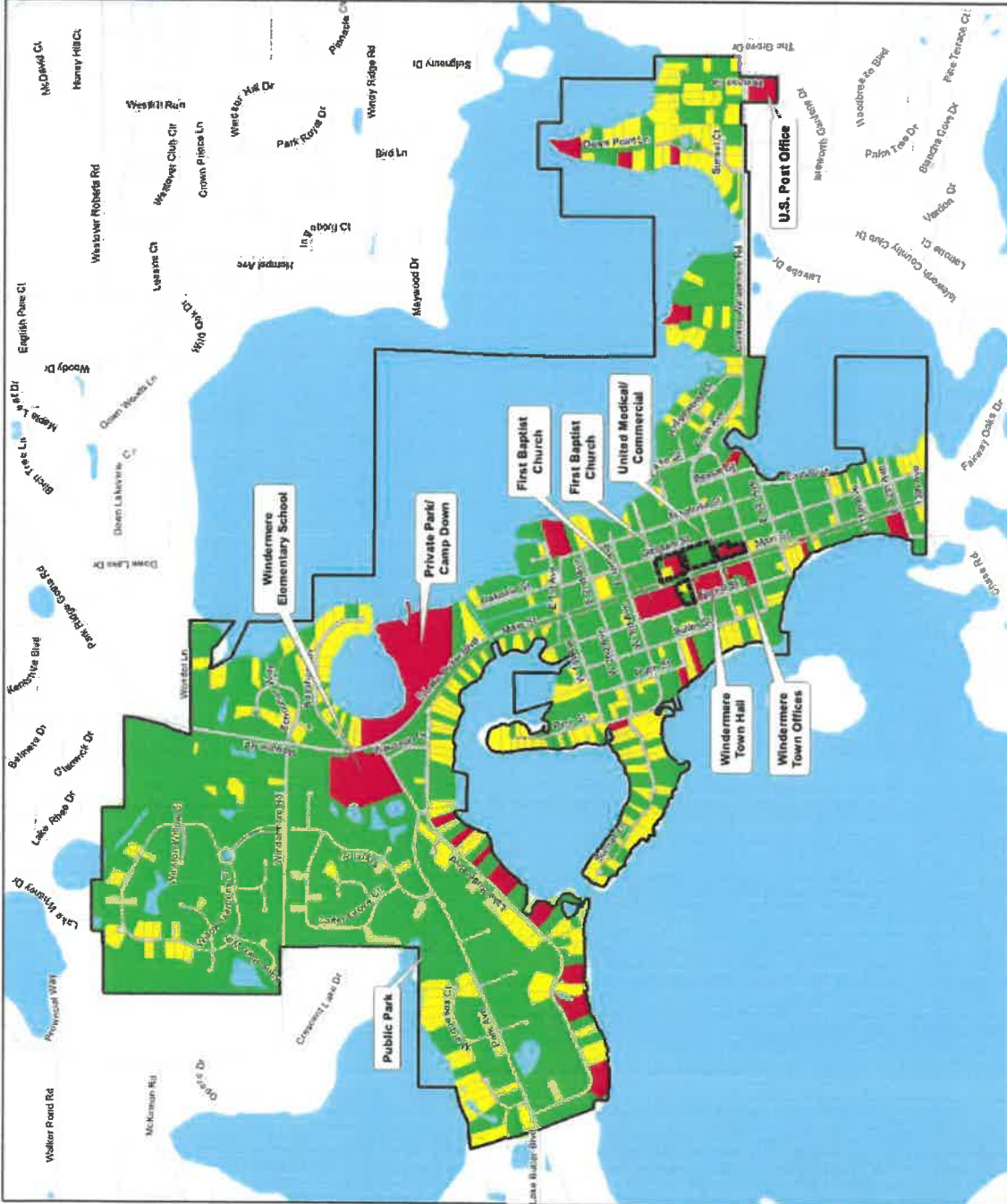
- Legend!**
- Town Limits
 - Town Center Overlay District
 - Roads
 - Lakes or Ponds
 - Est. Gross Area (Living Area Plus 30%) (SF)**
 - < 5,000 (1,000 gpm)
 - 5,000 - 9,800 (2,000 gpm)
 - > 9,801 (3,500 gpm)



THE TOWN OF
Windermere

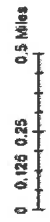


614 Main Street
Windermere, FL 34786
(407) 878-5563



10-Year System Fire Flow

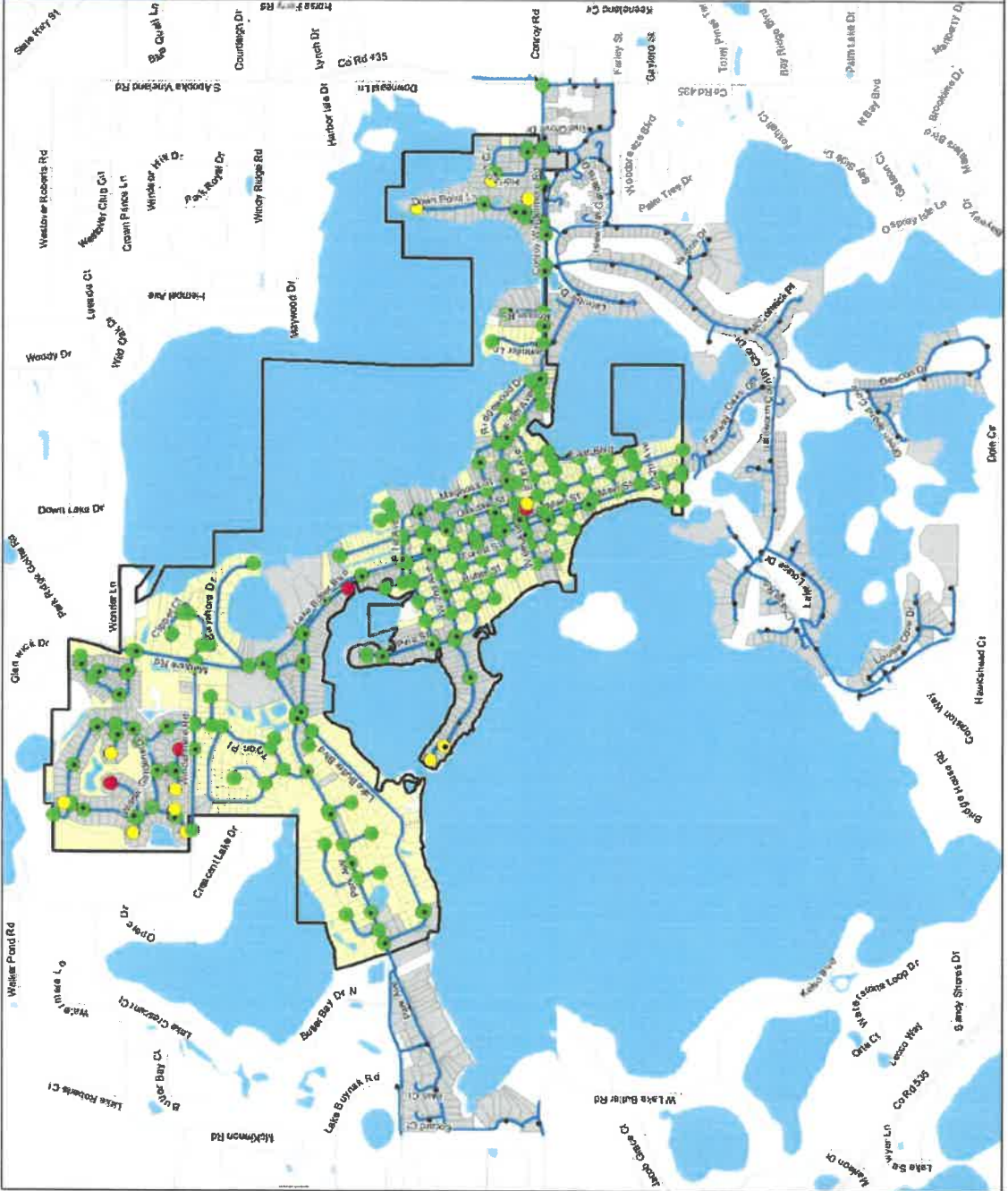
- Legend**
- Town Limits
 - Roads
 - Lakes or Ponds
 - Parcels Previously Served
 - Parcels Added (10-yr)
 - Windermere
 - Hydrants
 - Pressurized Water Main (10-yr)
- Available Fire Flow**
- < 500
 - 500 - 1,000
 - > 1,000



THE TOWN OF
Windermere



614 Main Street
Windermere, FL 34786
(407) 876-2563



20-Year System Fire Flow

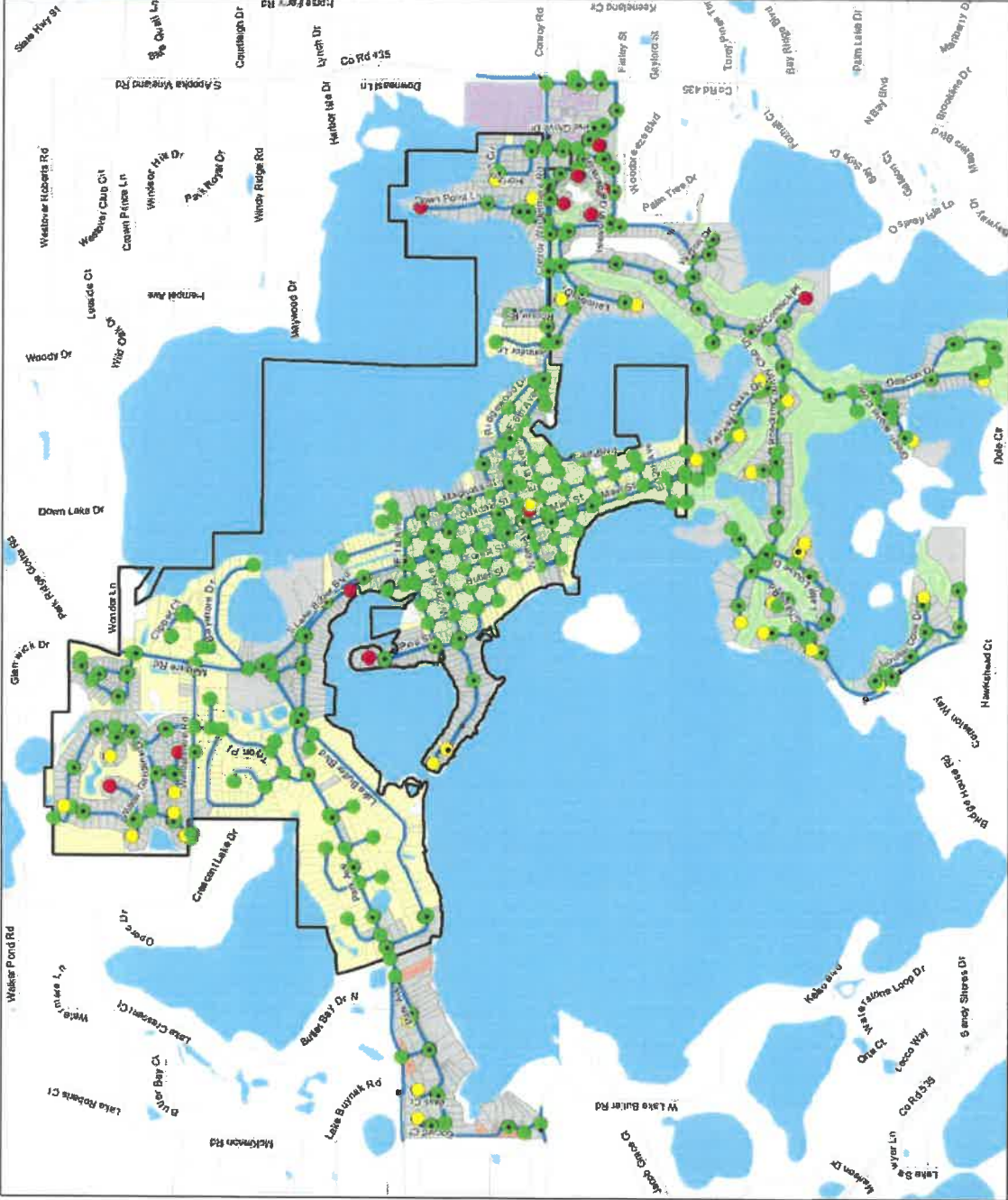
- Legend**
- Town Limits
 - Roads
 - Lakes or Ponds
 - Parcels Previously Served
 - Parcels Added (20-yr)**
 - Chaine du Lac
 - Four Corners West
 - Islesworth
 - Windemere
 - Hydrants
 - Pressurized Water Main (20-yr)
- Available Fire Flow**
- < 500
 - 500 - 1,000
 - > 1,000



THE TOWN OF
Windemere



614 Main Street
Windemere, PA 15786
(407) 876-2553



Next Steps

Moving Forward

- Continue with the Preparation of CIP Recommendations
- Apply Costs to CIP Projects
- Funding Feasibility Study
- Draft Water Master Plan Report

**Thank
You for
Your Time!**