



CITIZENS WATER ACADEMY

DSRSD Facilities – Water, Wastewater & Recycled Water

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Engineering Services Director

April 17, 2024



**Dublin San Ramon
Services District**

Water, wastewater, recycled water

Service DSRSD Provides



WATER



WASTEWATER



RECYCLED WATER





DSRSD Collection System

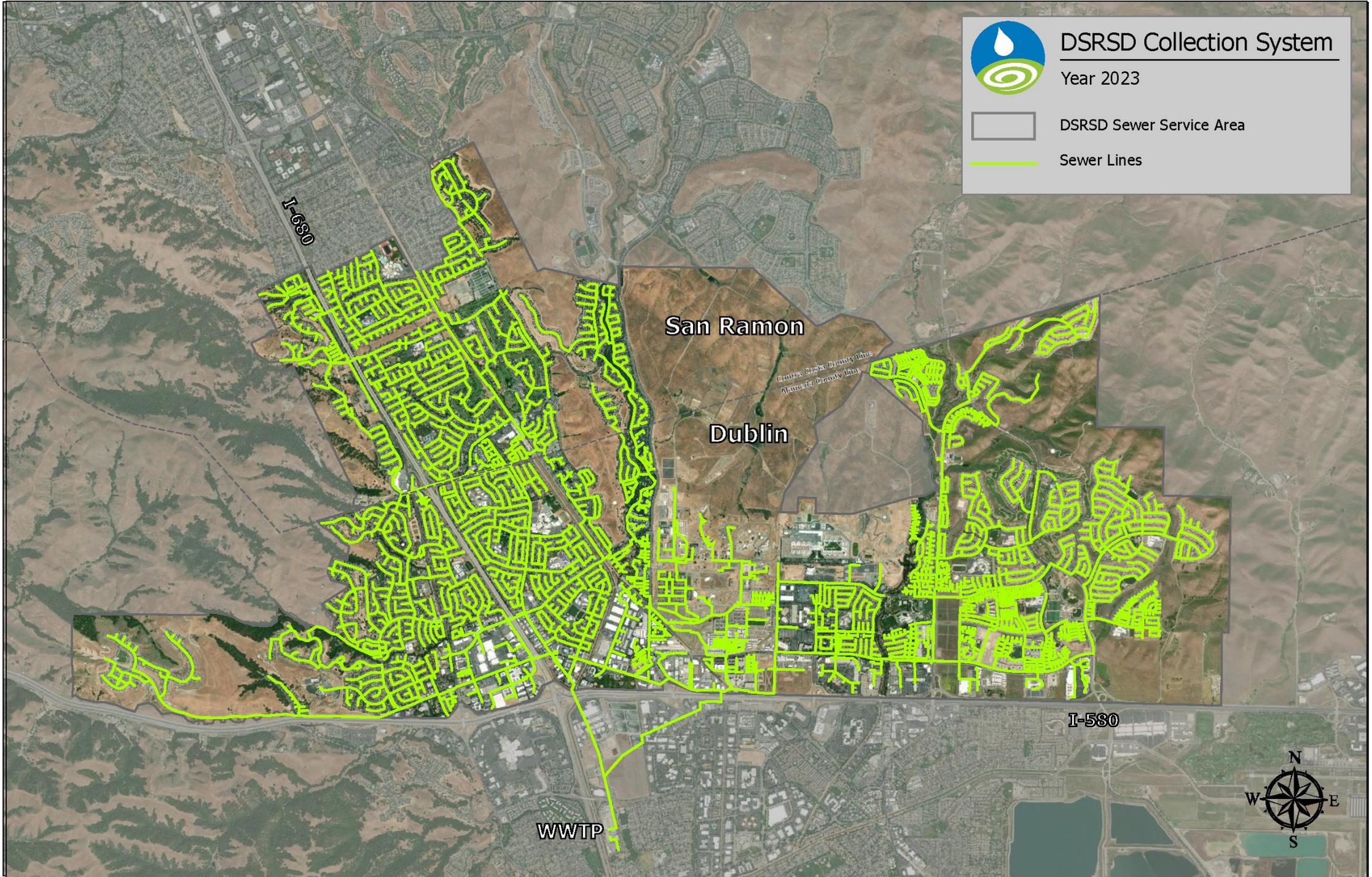
Year 2023



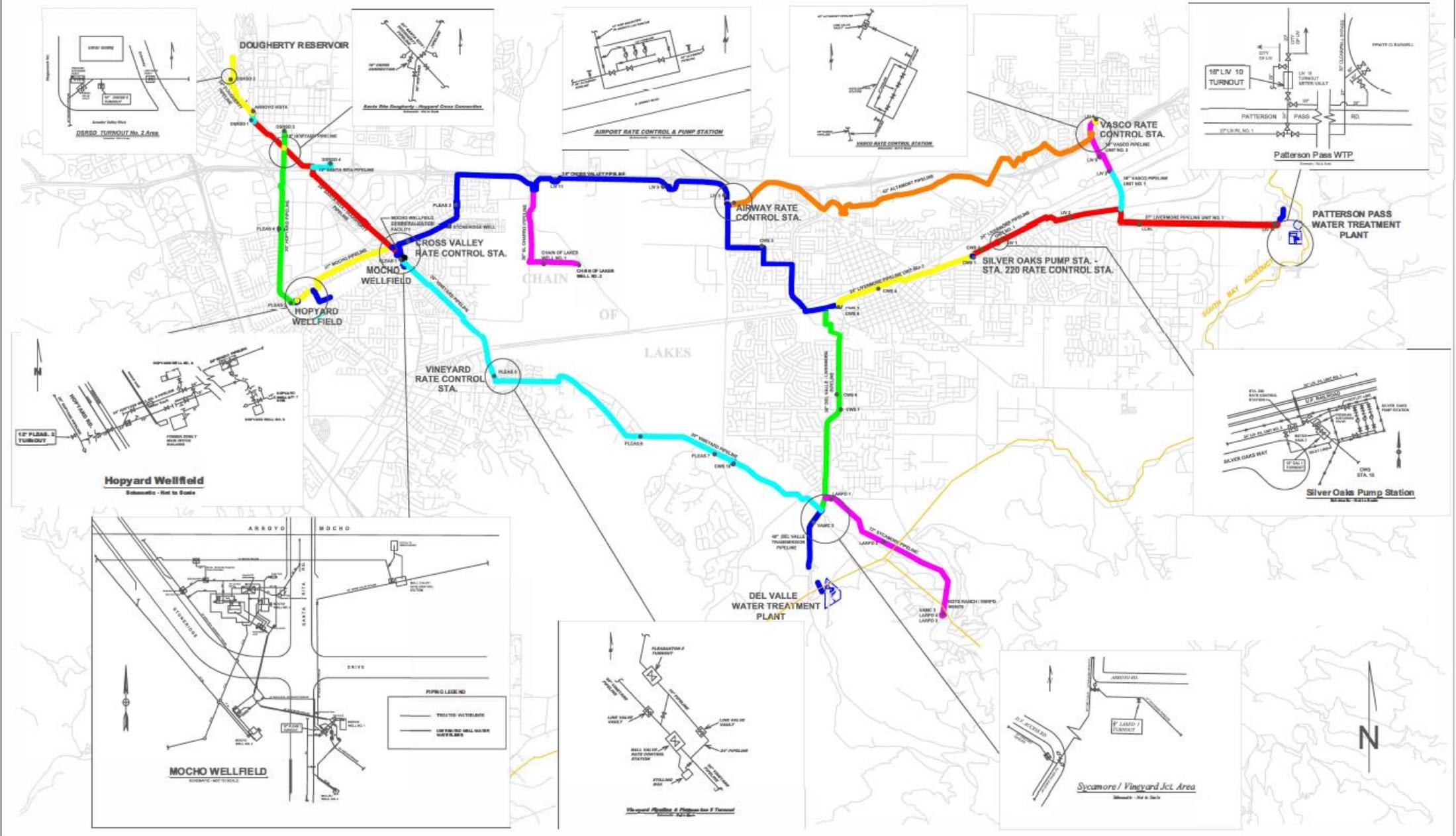
DSRSD Sewer Service Area



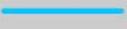
Sewer Lines

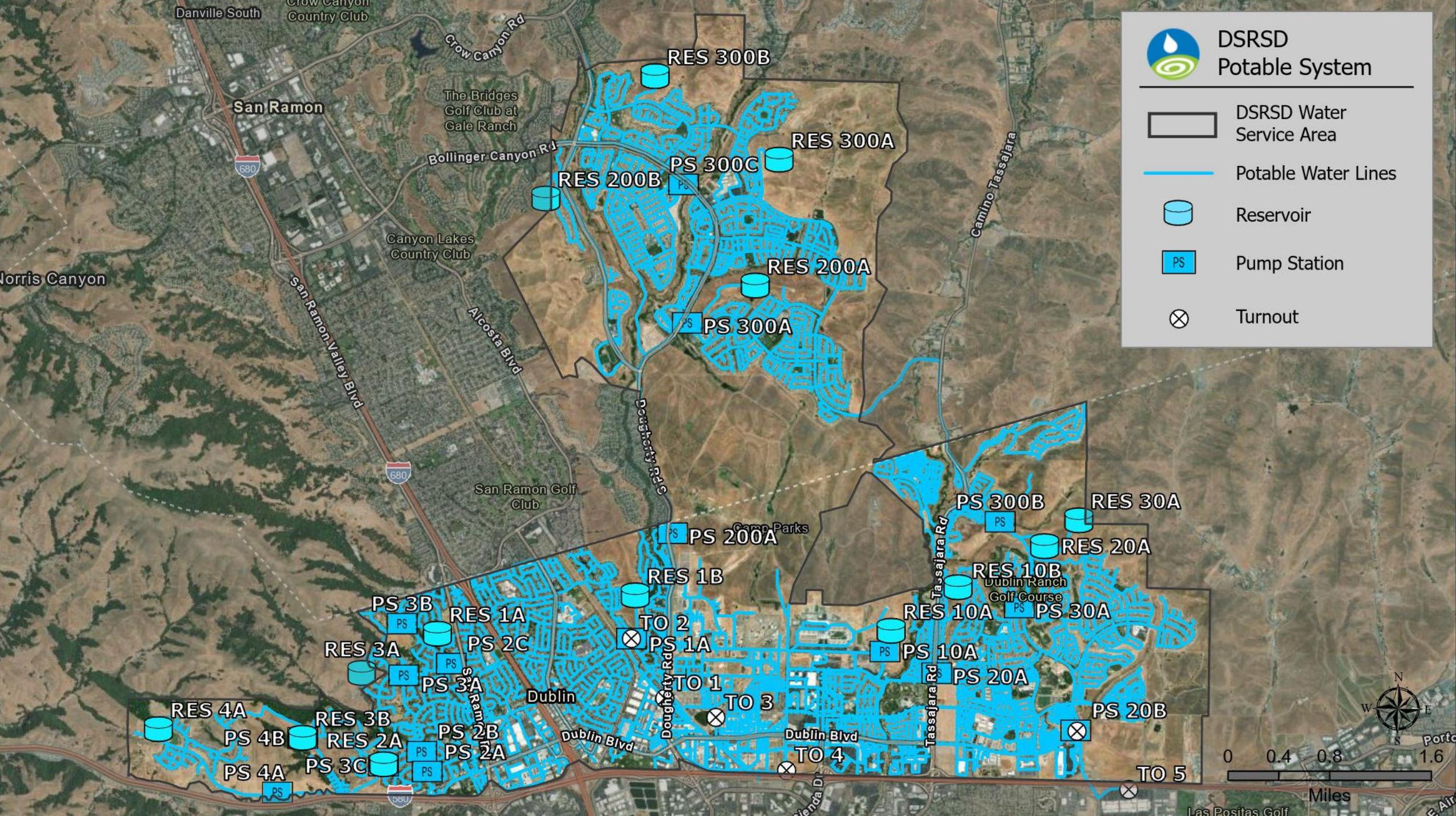


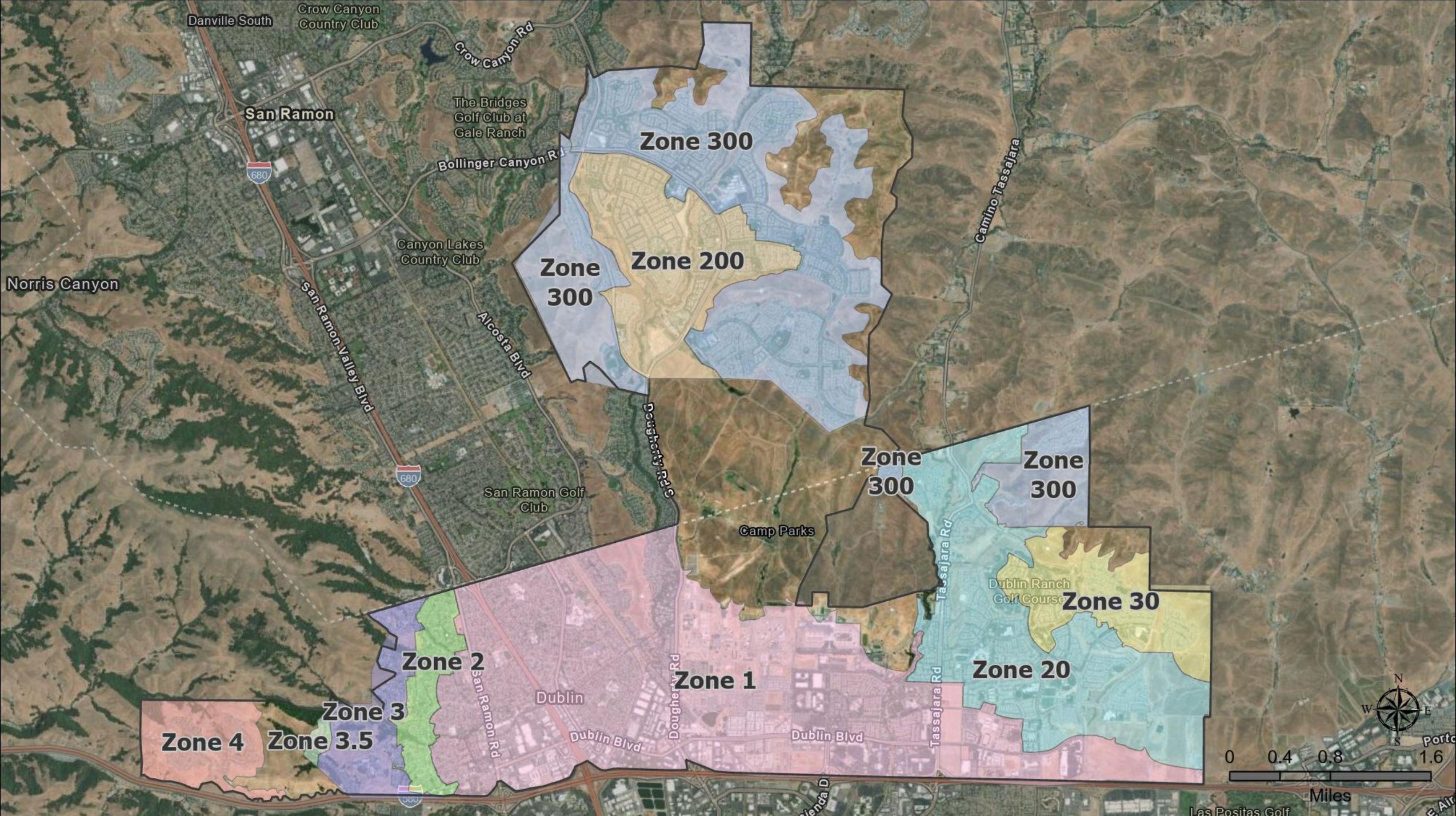
Zone 7 Treated Water System



 DSRSD
Potable System

-  DSRSD Water Service Area
-  Potable Water Lines
-  Reservoir
-  Pump Station
-  Turnout





Danville South
Crow Canyon
Country Club

San Ramon

The Bridges
Golf Club at
Gale Ranch

Zone 300

Bollinger Canyon Rd

Canyon Lakes
Country Club

Zone 300

Zone 200

Alcosta Blvd

Camino Tassajara

Norris Canyon

San Ramon Valley Blvd

680

San Ramon Golf
Club

Dougherty Rd

Zone 300

Zone 300

Camp Parks

Tassajara Rd

Dublin Ranch
Golf Course

Zone 30

Zone 2

Zone 1

Zone 20

Zone 4

Zone 3.5

Zone 3

Dublin

Dublin Blvd

Dublin Blvd



Miles

Las Positas Golf

Porto
E. Air

Potable Water Distribution

» 4 Turnouts



Potable Water Distribution

» 4 Turnouts

» 17 Pump Stations



Potable Water Distribution

- » 4 Turnouts
- » 17 Pump Stations
- » 14 Reservoirs
 - 330,000 gallons to 3.3 million gallons
 - Total storage 27 million gallons



Potable Water Distribution

- » 4 Turnouts
- » 17 Pump Stations
- » 14 Reservoirs
- » 338 Miles of Pipe
 - 4 inch to 20 inch



Potable Water Distribution

- » 4 Turnouts
- » 17 Pump Stations
- » 14 Reservoirs
- » 343 Miles of Pipe
- » 12,500 Valves
- » 3600 Fire Hydrants
- » 27,000 Meter Connections
- » 23 Square Miles of Service Area





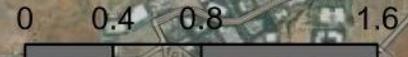
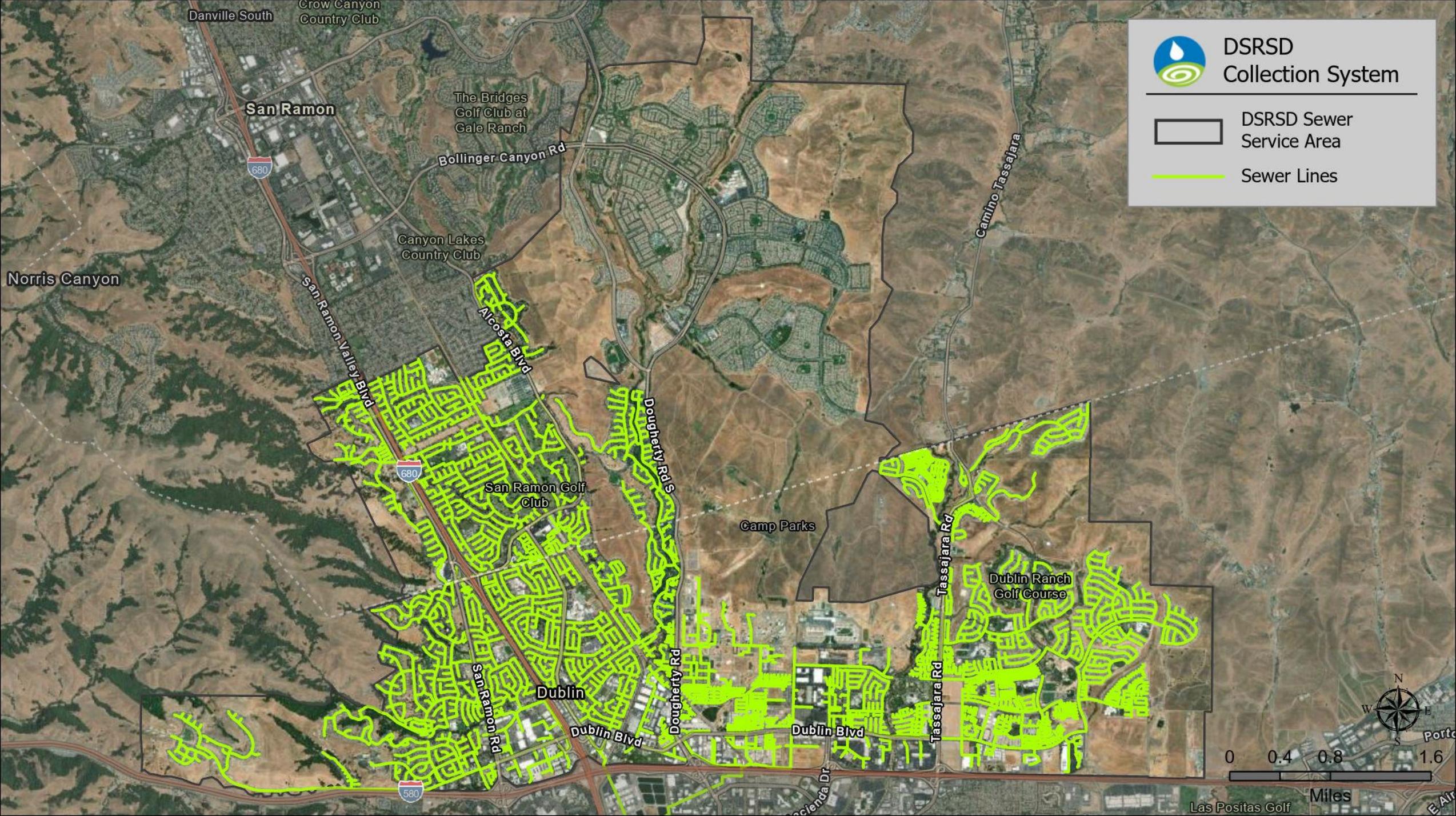
DSRSD
Collection System



DSRSD Sewer Service Area

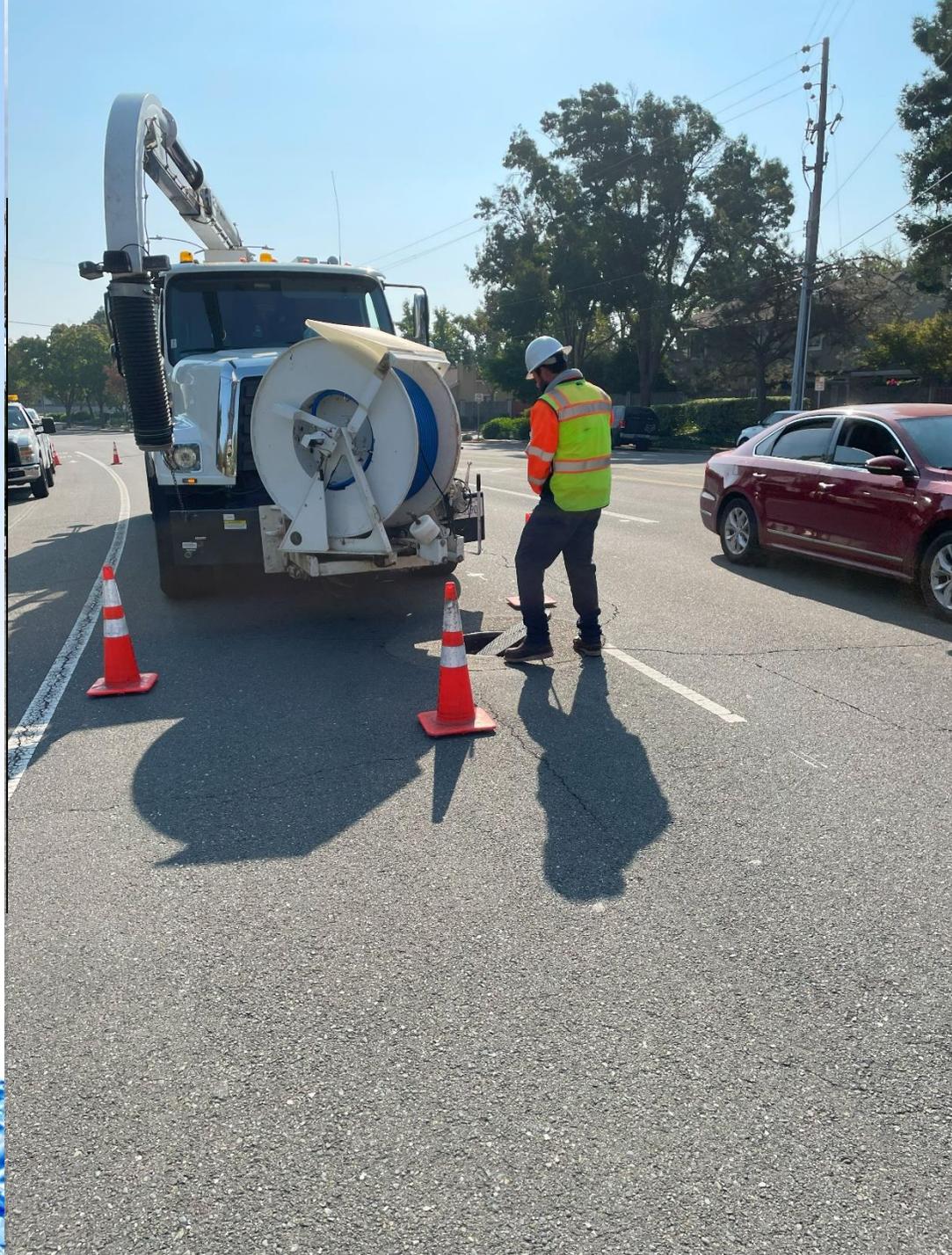


Sewer Lines



Sewer Collections

- » 2 Lift Stations
- » 226 Miles of Pipe
 - 6 inch to 48 inch
- » 6,300 Manholes
- » 19.5 Square Miles of Service Area



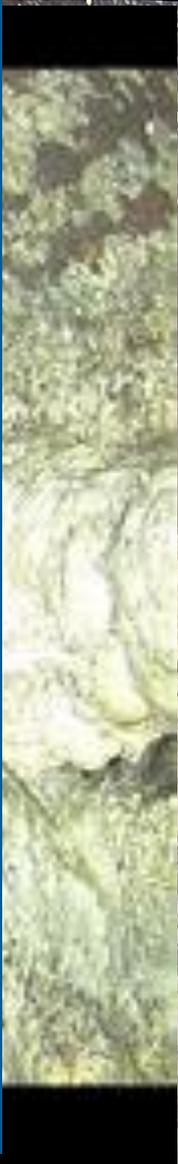
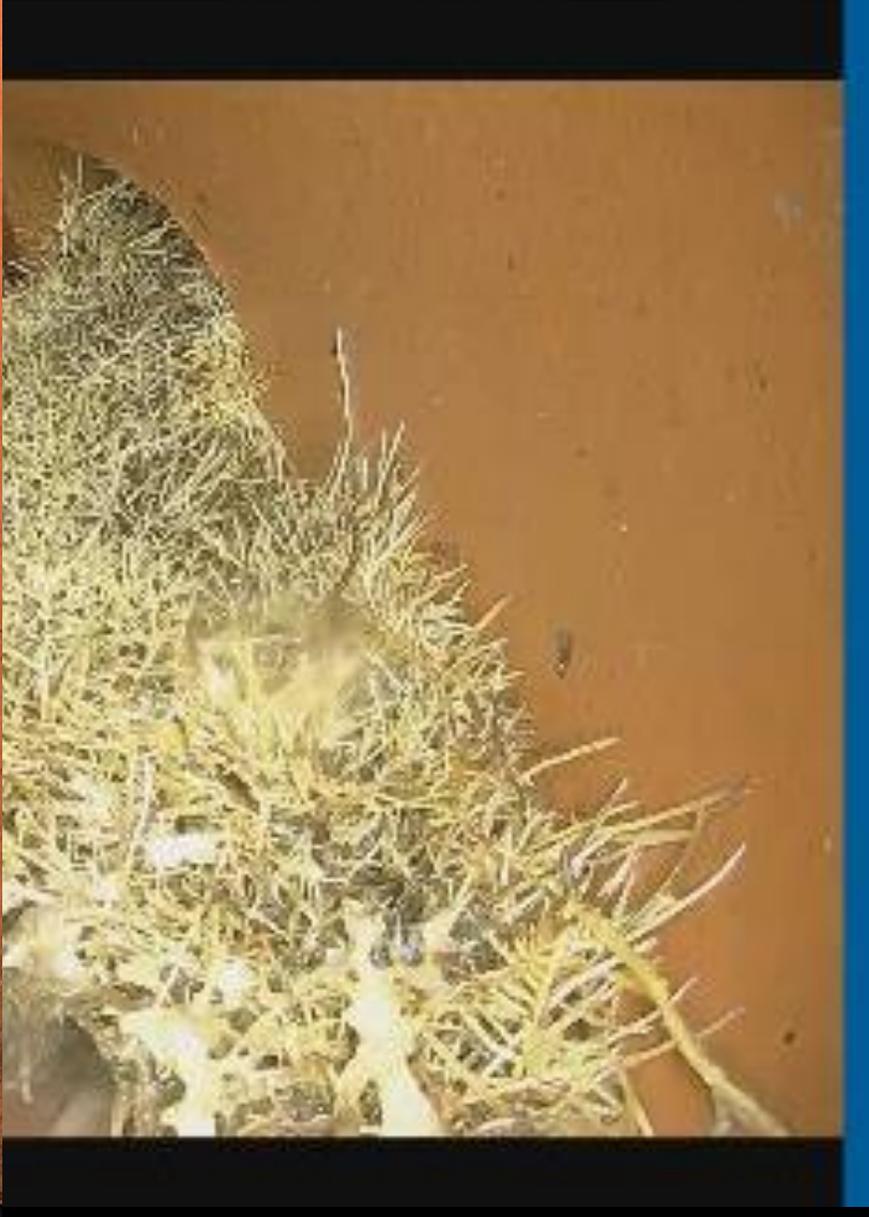
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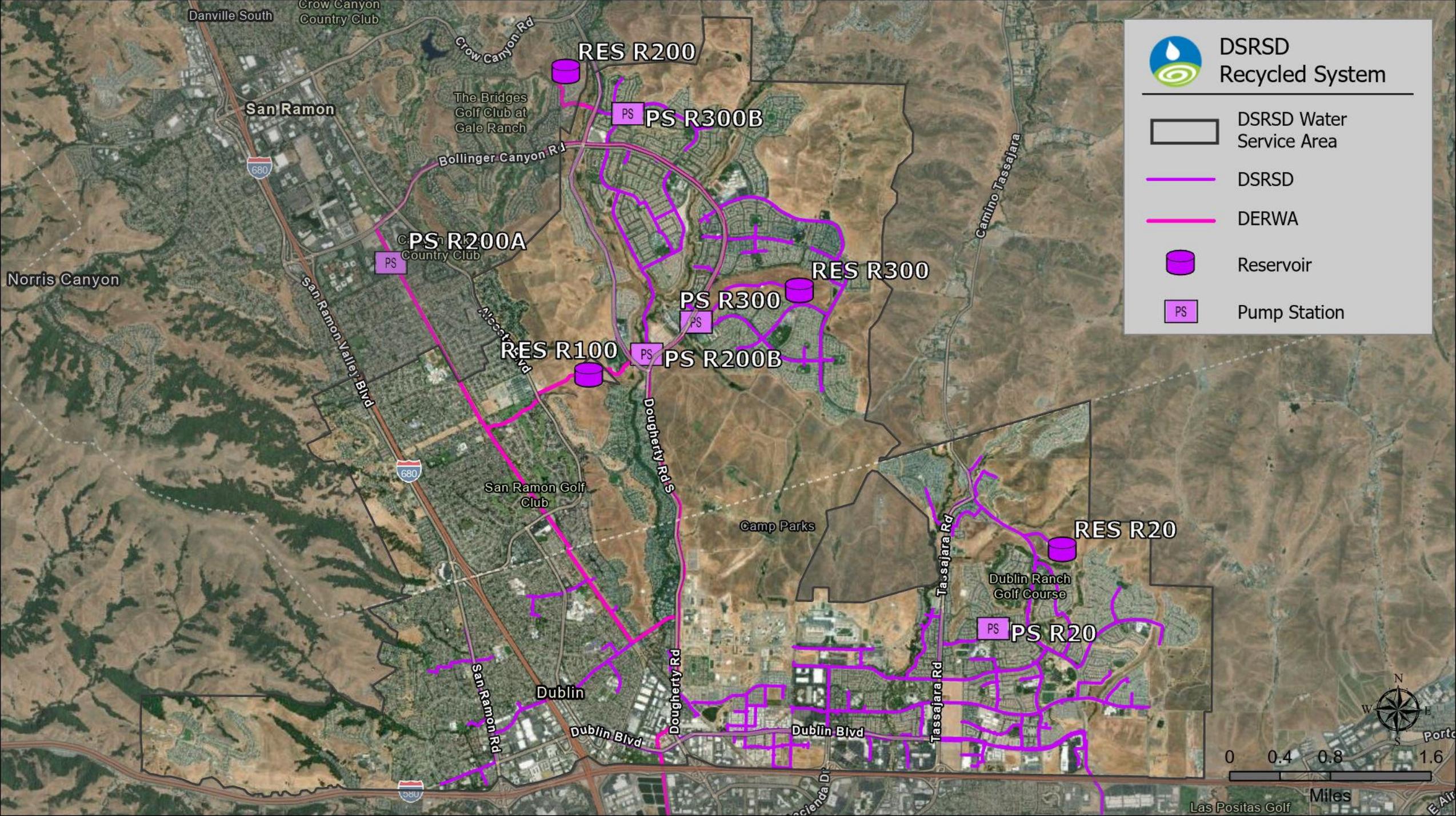
USMH: U17D2-24
DSMH: U17D2-23

HVV
Hole Void Visible
317.2



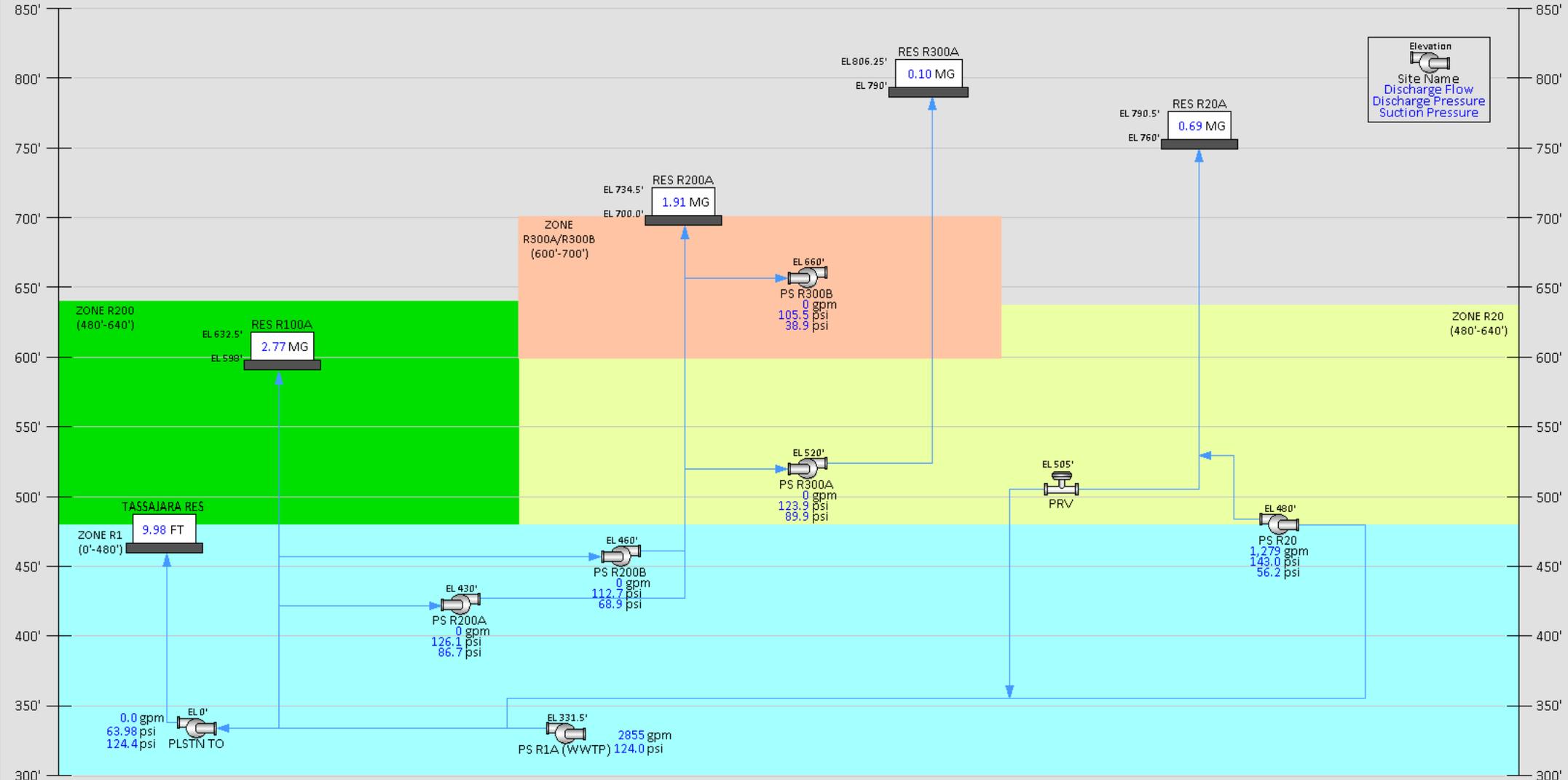
USMH: T16D2-22
DSMH: T16D2-28







System Overview
System Dashboard
Hydraulic Systems
Potable Water Pump Stations
Potable Water Reservoirs
Potable Water Turnouts
Sanitary Sewer Facilities
Recycled Water Pump Stations
Recycled Water Reservoirs
Historical Trends
Alarm Summary
Alarm History
Intrusion Status
Miscellaneous Menu
Back



Ack	Date In	Time In	Date Last	Time Last	Tagname	Alarm Area	Alarm Extension Field1	Status	Value
✓	3/1/2022	12:21:23.940	3/1/2022	12:25:14.030	RES1B_EIL_73F_ALM	RES1B	RES1B UPS Fault Status Alarm	CFN	Alarm
✓	3/1/2022	12:16:30.947	3/1/2022	12:25:14.050	RES1B_IDS_81_ALM	RES1B	RES1B Intrusion Alarm	CFN	Alarm
✓	2/3/2022	08:57:12.599	2/3/2022	08:57:12.599	TO4_AI_52_OORL_ALM	TO4	TO4 Sample pH Out of Range Low Alarm	CFN	Alarm
✓	12/27/2021	10:50:44.514	12/27/2021	10:50:44.514	PS3C_MTS_EMERG_AVAIL_ALM	PS3C	PS3C MTS: Emergency Source Available Status Alarm	CFN	Alarm

Total Alarms: 10

Filter: Off

Sort: Time In, Descending

Run



Recycled Water Distribution

- » **1 Turnout (to Pleasanton)**
- » **5 Pump Stations**
 - 2 DERWA, 3 DSRSD
- » **4 Reservoirs**
 - 2 DERWA, 2 DSRSD
 - 450,000 gallons to 4.5 million gallons
 - Total storage 11 million gallons
- » **72 Miles of Pipe**
 - 16.6 miles are DERWA
 - 4 inch to 36 inch
- » **1,200 Valves**



\$1,600
\$1,400
\$1,200
\$1,000
\$800
\$600
\$400
\$200





Questions?

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