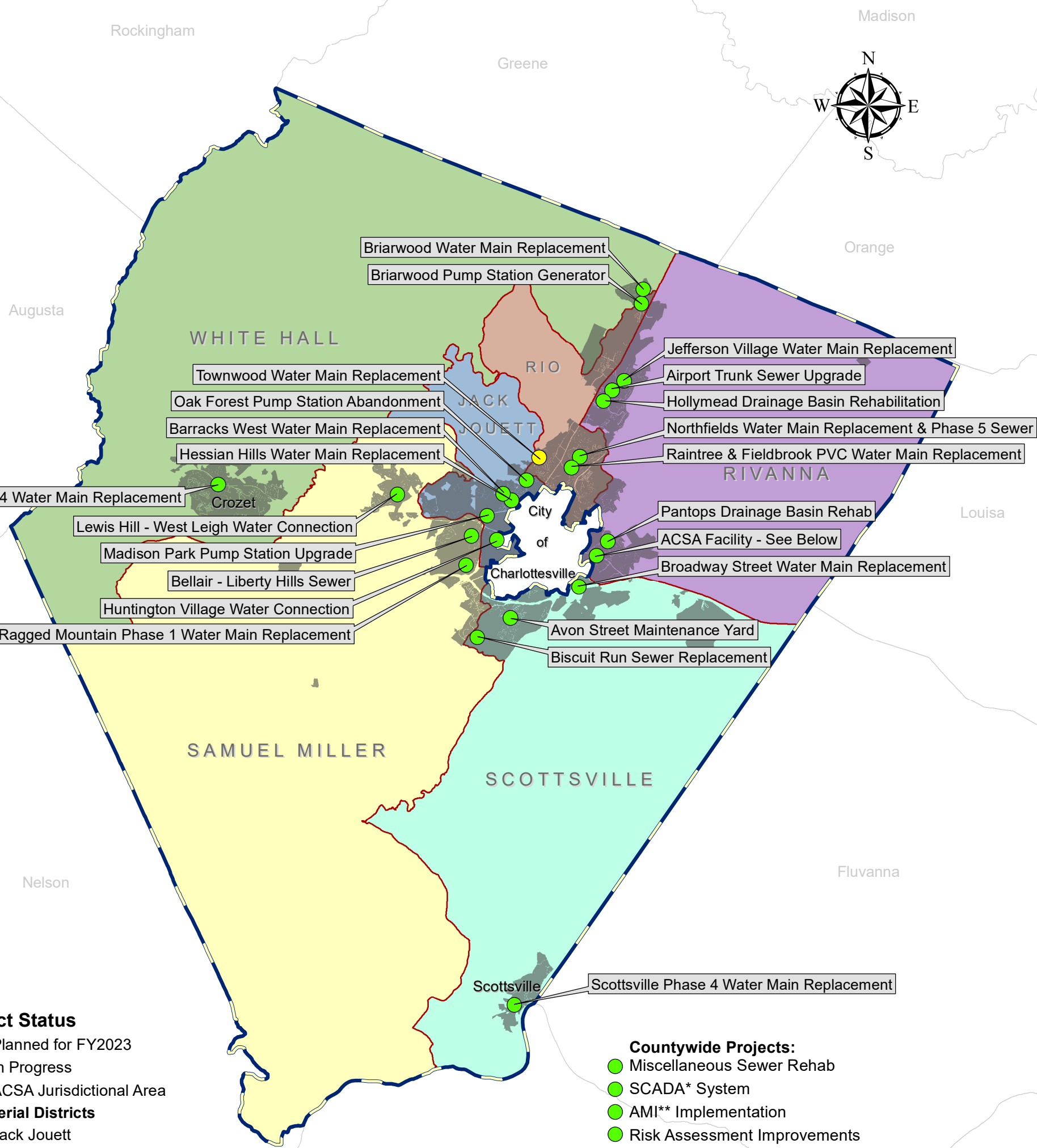


Albemarle County Service Authority

Capital Improvement Projects by District

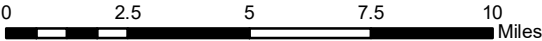


- Project Status**
- Planned for FY2023
 - In Progress
 - ACSA Jurisdictional Area
- Magisterial Districts**
- Jack Jouett
 - Rio
 - Rivanna
 - Samuel Miller
 - Scottsville
 - White Hall

- Countywide Projects:**
- Miscellaneous Sewer Rehab
 - SCADA* System
 - AMI** Implementation
 - Risk Assessment Improvements
 - Exclusion Meters Replacement
 - Pipe Saddles Replacement
 - Sewer Pump Stations Comminutors
 - Energy Audit
 - 4-Story Residential Backflow Prevention Device Retrofit
- ACSA Facility Projects:**
- Data Management and Dashboarding
 - Billing System Analysis and Replacement
 - ESRI Utility Network Implementation
 - Cityworks Operational Insights Implementation
 - Security System Upgrade

SCADA* - Supervisory Control And Data Aquisition
AMI** - Advanced Metering Infrastructure

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Albemarle boundary and ACSA Jurisdictional Area: County of Albemarle
Neighboring county boundaries: VA Dept. of Conservation and Recreation



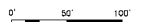
ACSA AVON SITE

1737 AVON STREET EXT
ALBEMARLE COUNTY, VA

SEAL

KEY PLAN

SCALE



NO.	DATE	BY	DESCRIPTION

REVISIONS

DRAWN BY MM

APPROVED BY KAP

CHECKED BY KAP

DATE 09/25/20

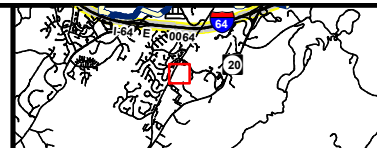
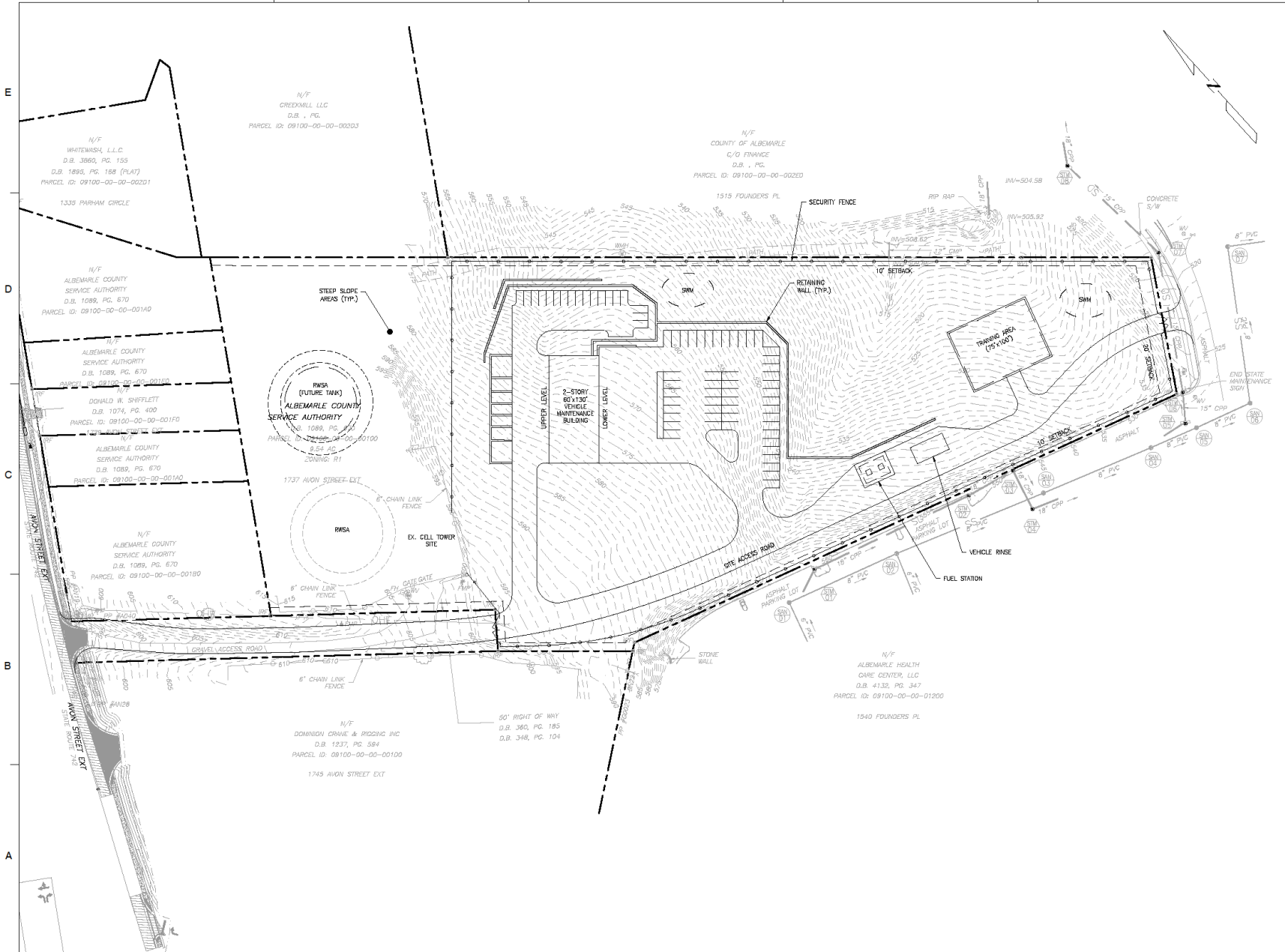
TITLE

OVERALL
SITE PLAN

PROJECT NO. 5011929B

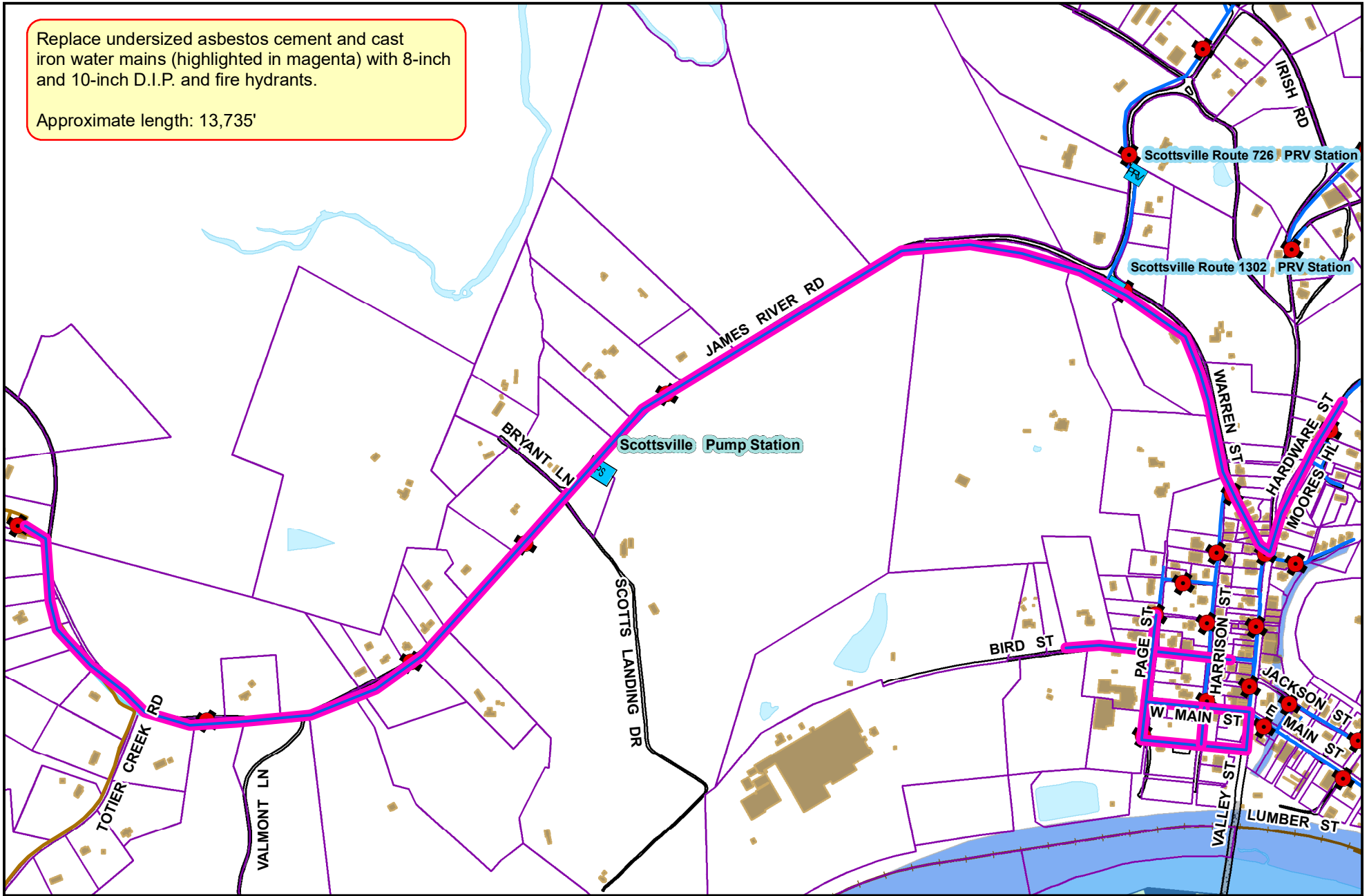
1

SHEET NO.



Replace undersized asbestos cement and cast iron water mains (highlighted in magenta) with 8-inch and 10-inch D.I.P. and fire hydrants.

Approximate length: 13,735'

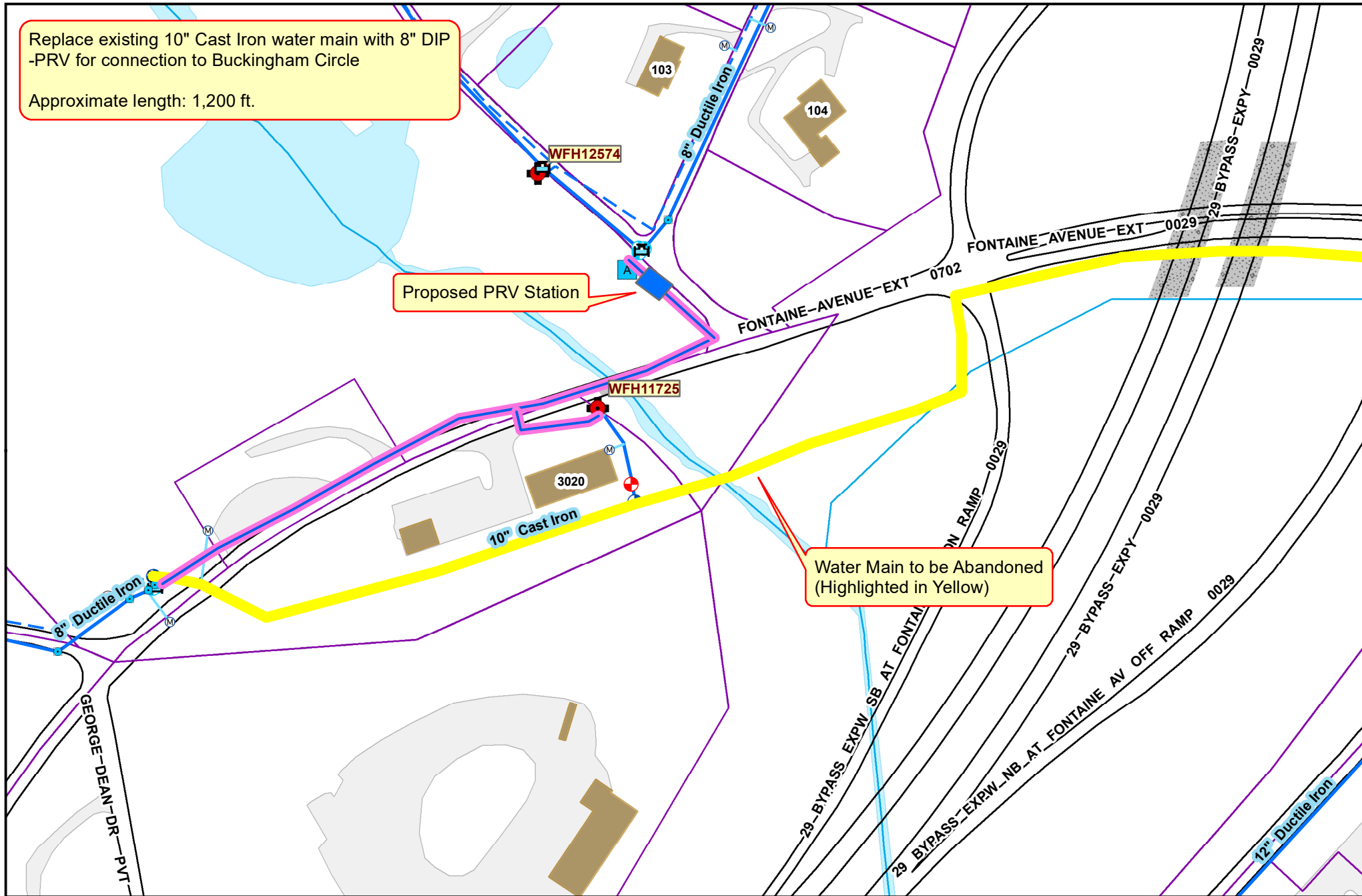


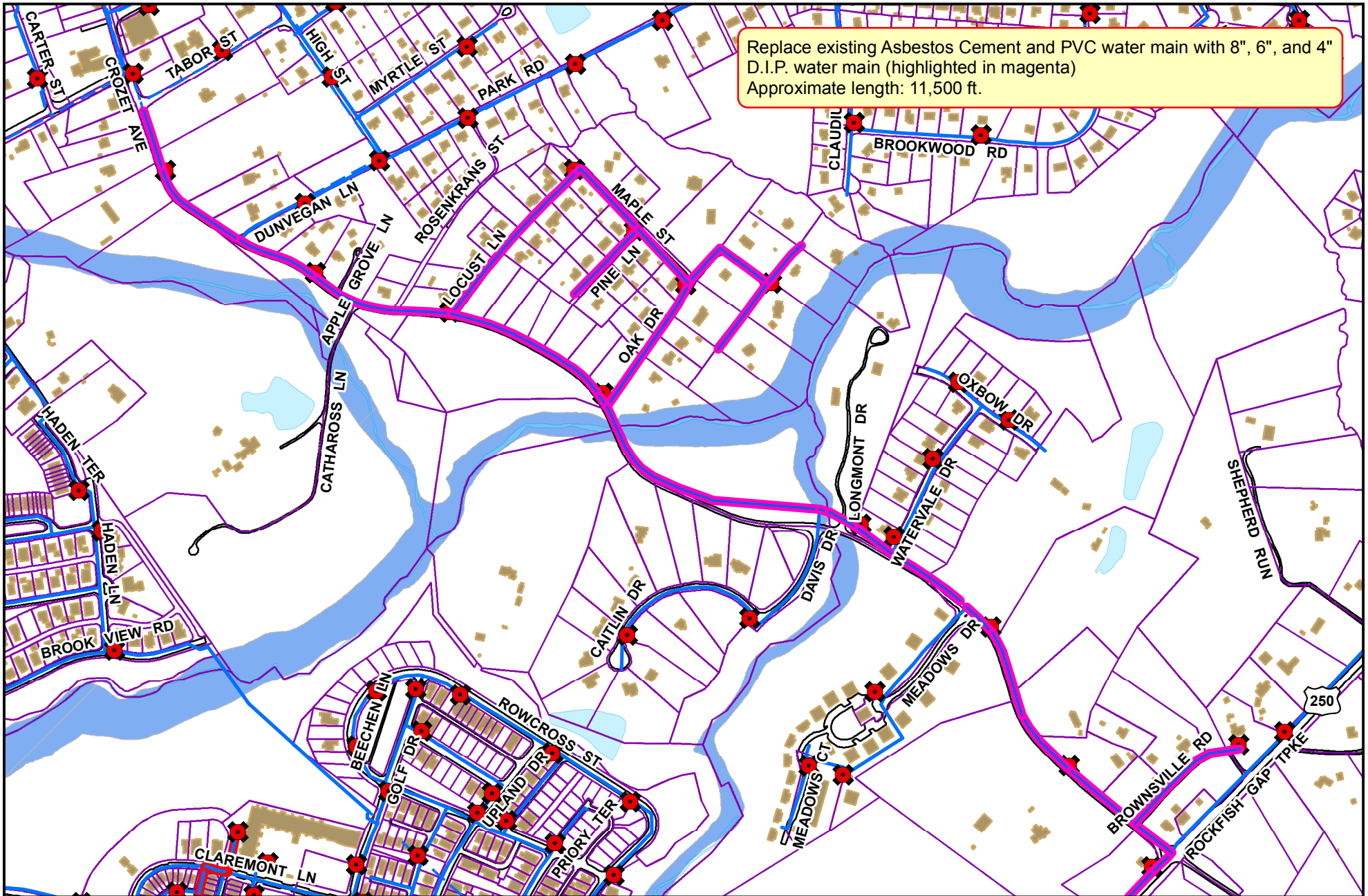
Replace existing 10" Cast Iron water main with 8" DIP-PRV for connection to Buckingham Circle

Approximate length: 1,200 ft.

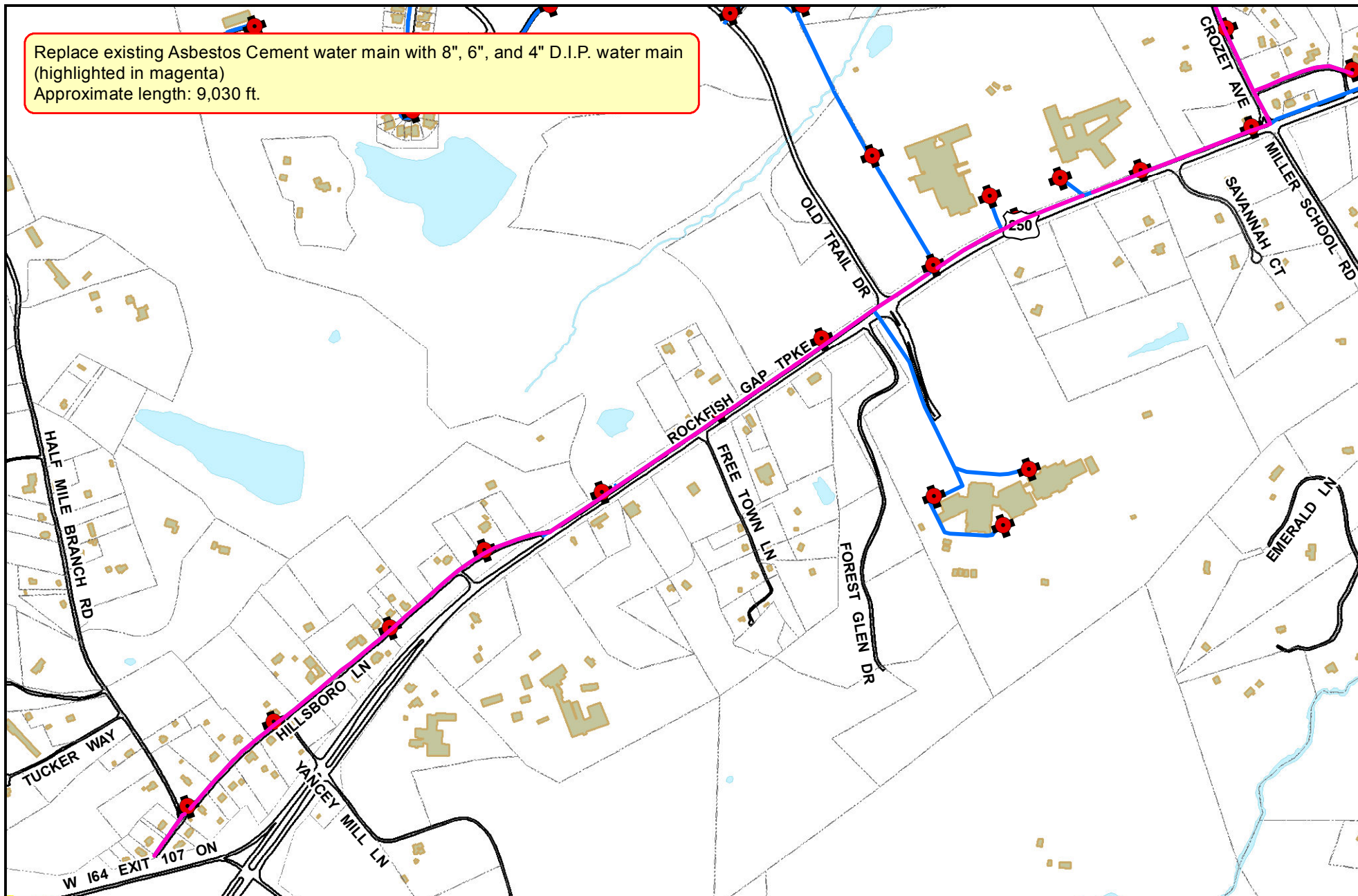
Proposed PRV Station

Water Main to be Abandoned
(Highlighted in Yellow)



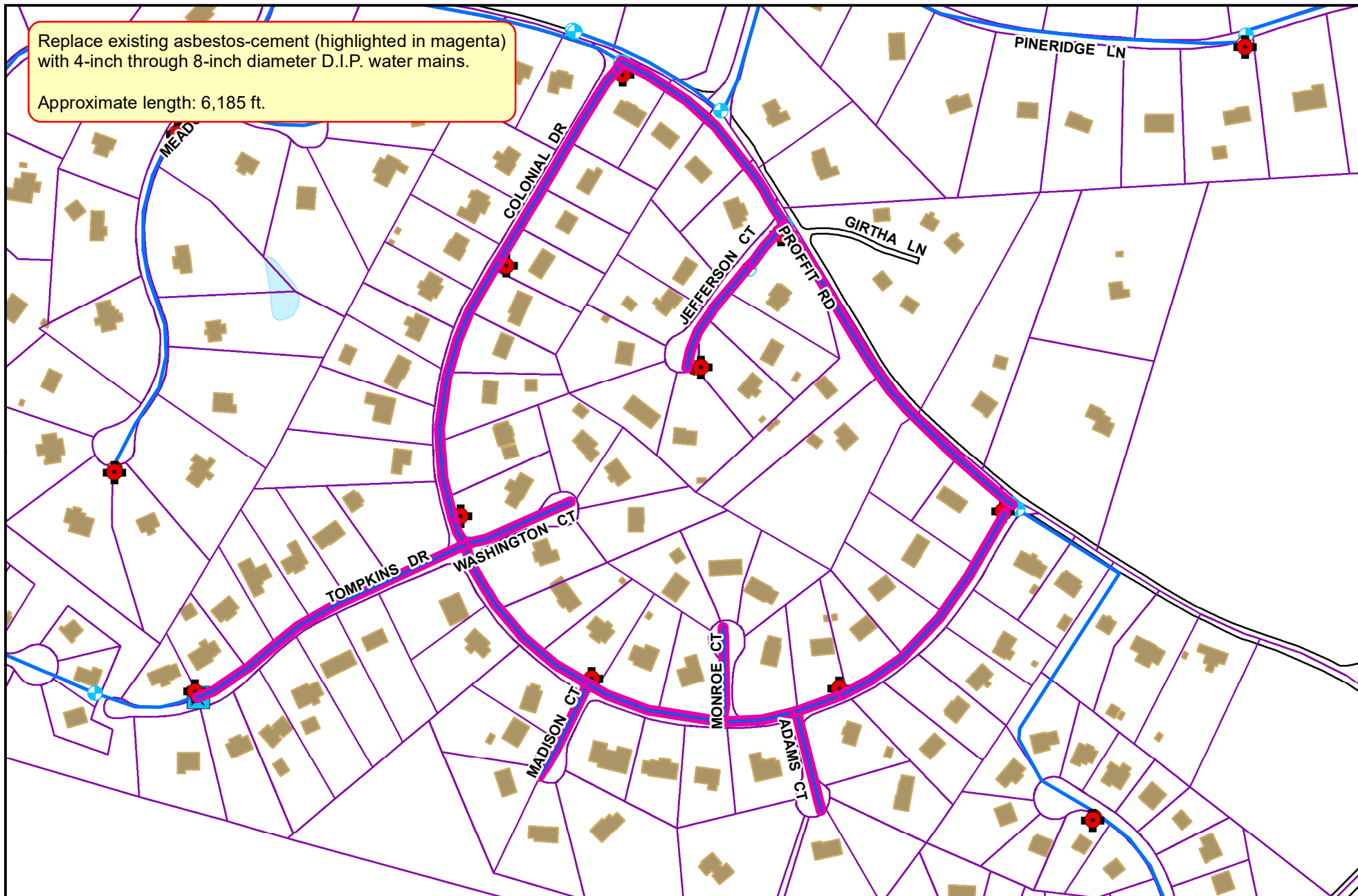


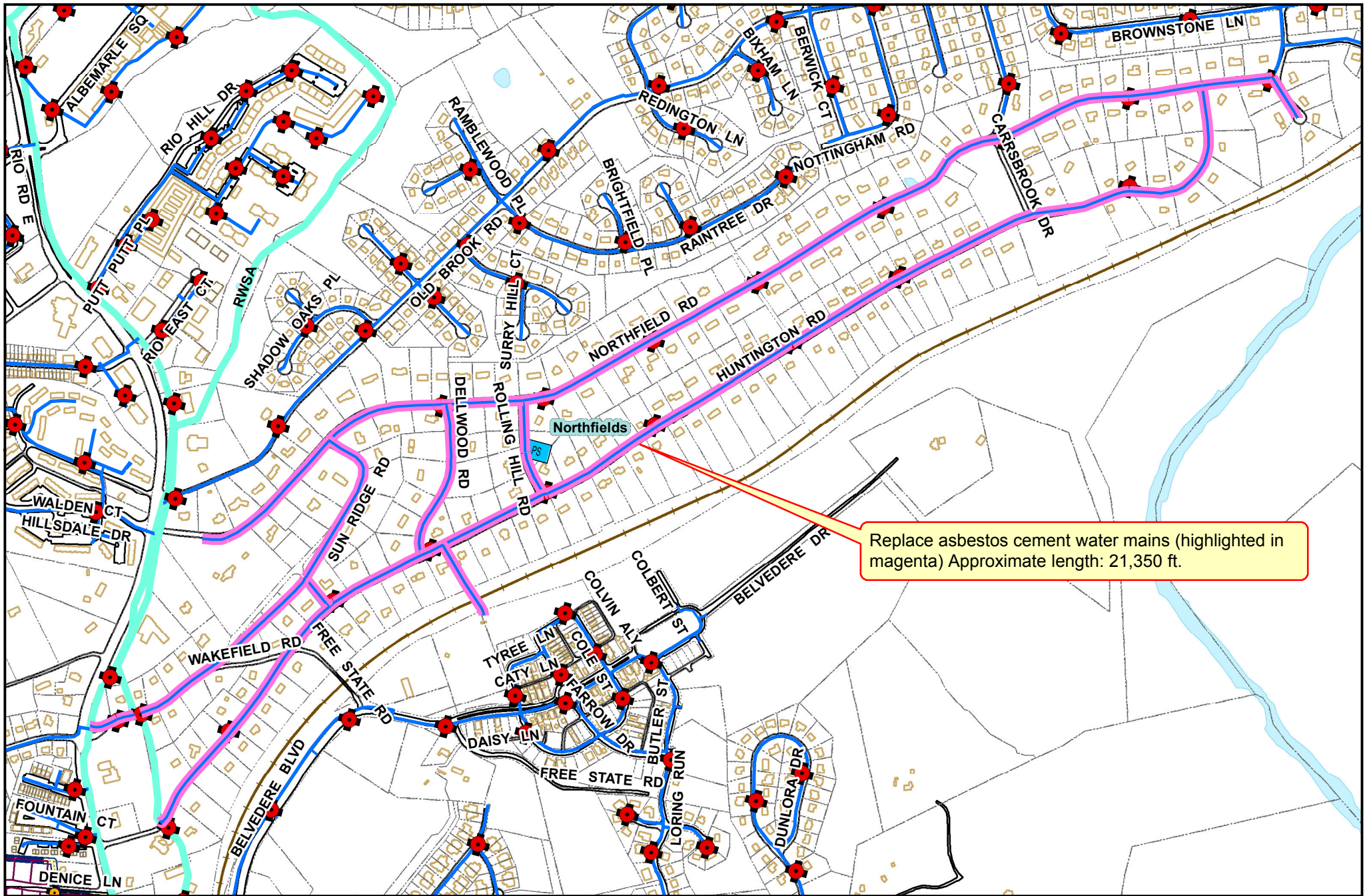
Replace existing Asbestos Cement water main with 8", 6", and 4" D.I.P. water main
(highlighted in magenta)
Approximate length: 9,030 ft.



Replace existing asbestos-cement (highlighted in magenta) with 4-inch through 8-inch diameter D.I.P. water mains.

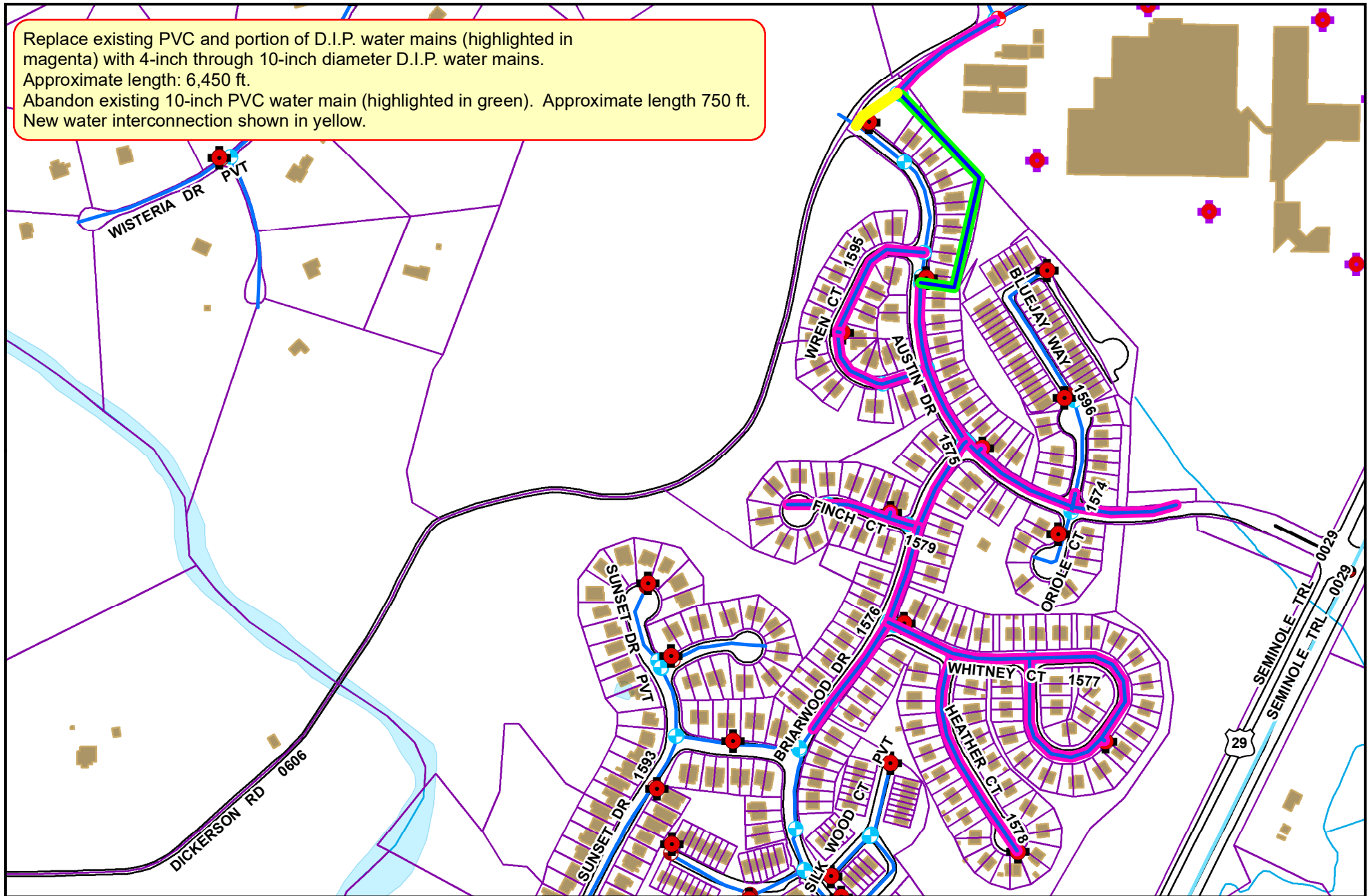
Approximate length: 6,185 ft.





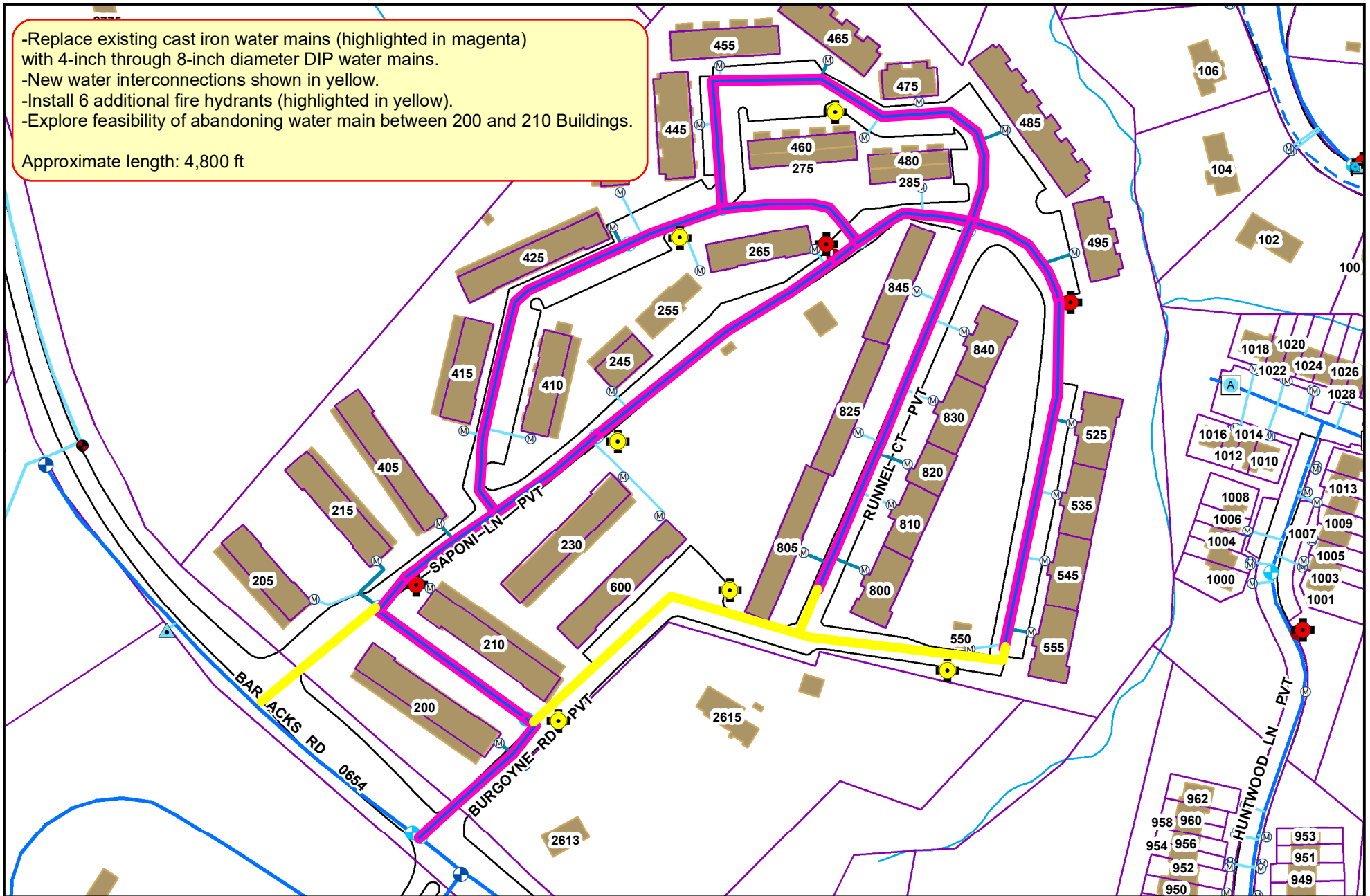
Replace asbestos cement water mains (highlighted in magenta) Approximate length: 21,350 ft.

Replace existing PVC and portion of D.I.P. water mains (highlighted in magenta) with 4-inch through 10-inch diameter D.I.P. water mains.
 Approximate length: 6,450 ft.
 Abandon existing 10-inch PVC water main (highlighted in green). Approximate length 750 ft.
 New water interconnection shown in yellow.



- Replace existing cast iron water mains (highlighted in magenta) with 4-inch through 8-inch diameter DIP water mains.
- New water interconnections shown in yellow.
- Install 6 additional fire hydrants (highlighted in yellow).
- Explore feasibility of abandoning water main between 200 and 210 Buildings.

Approximate length: 4,800 ft



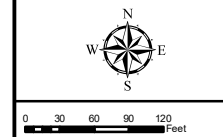
Albemarle County
Service Authority

Saving • Conserving

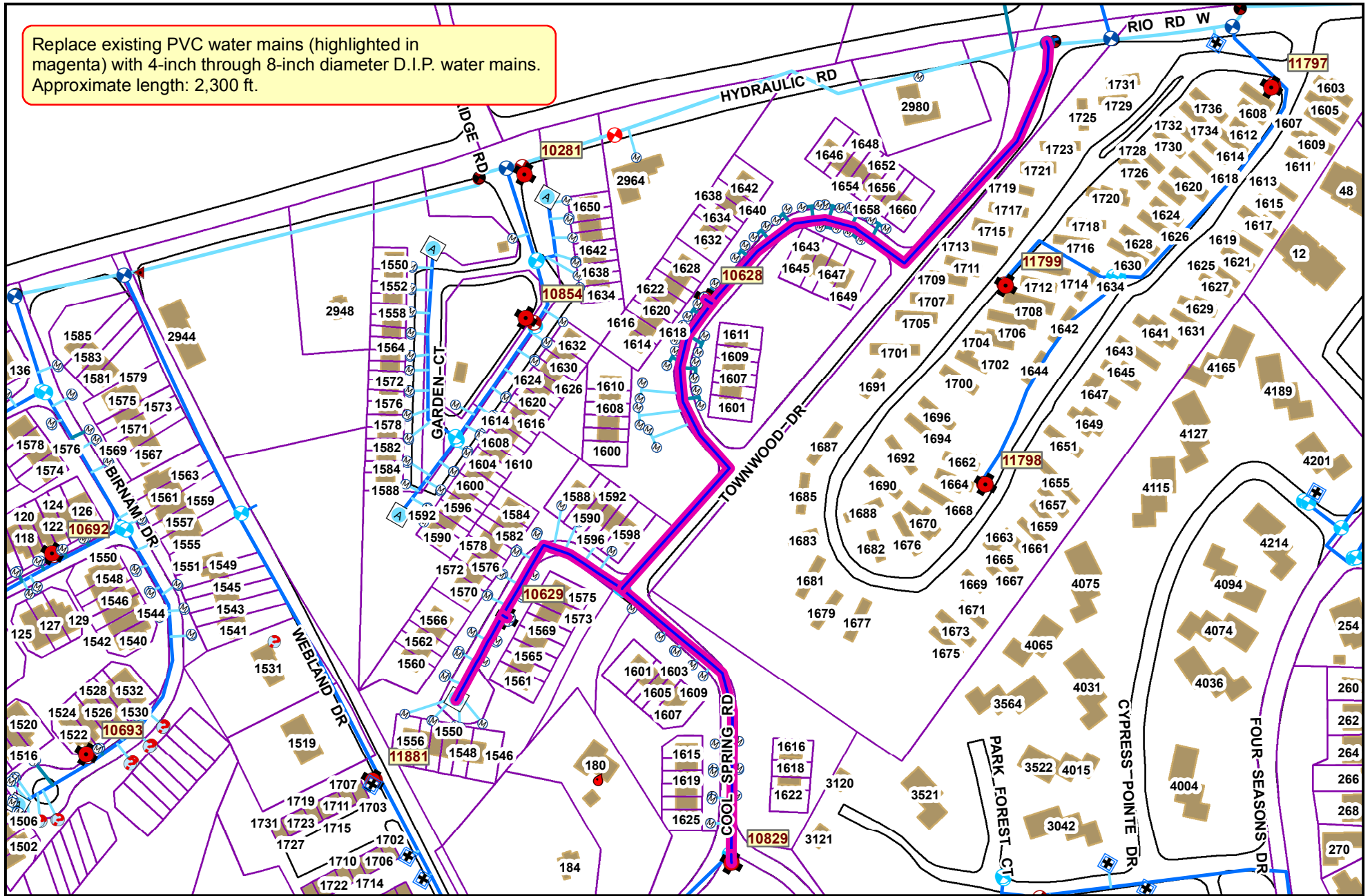
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Barracks West Water Main Replacement Project

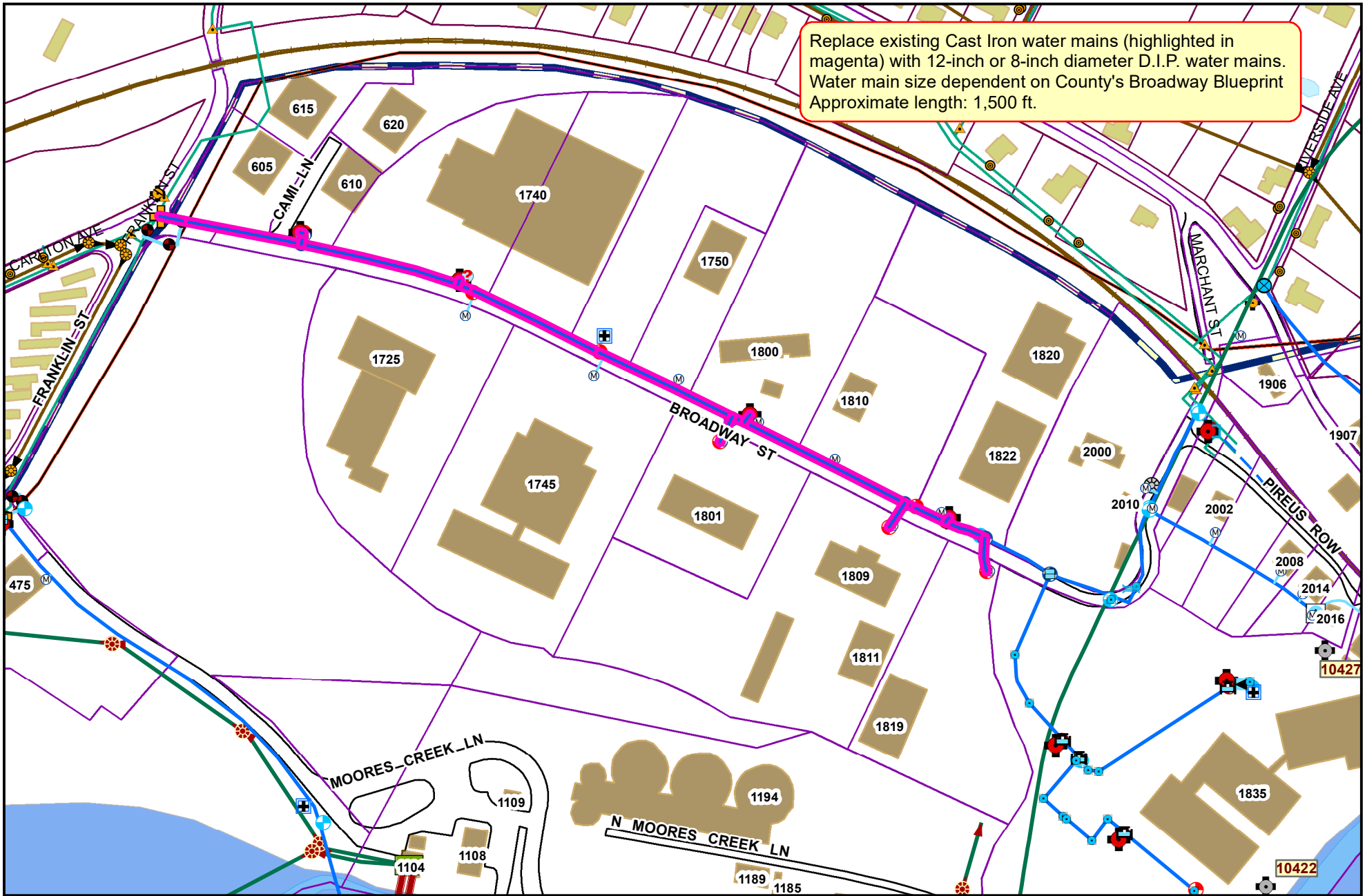
Capital Improvement Project

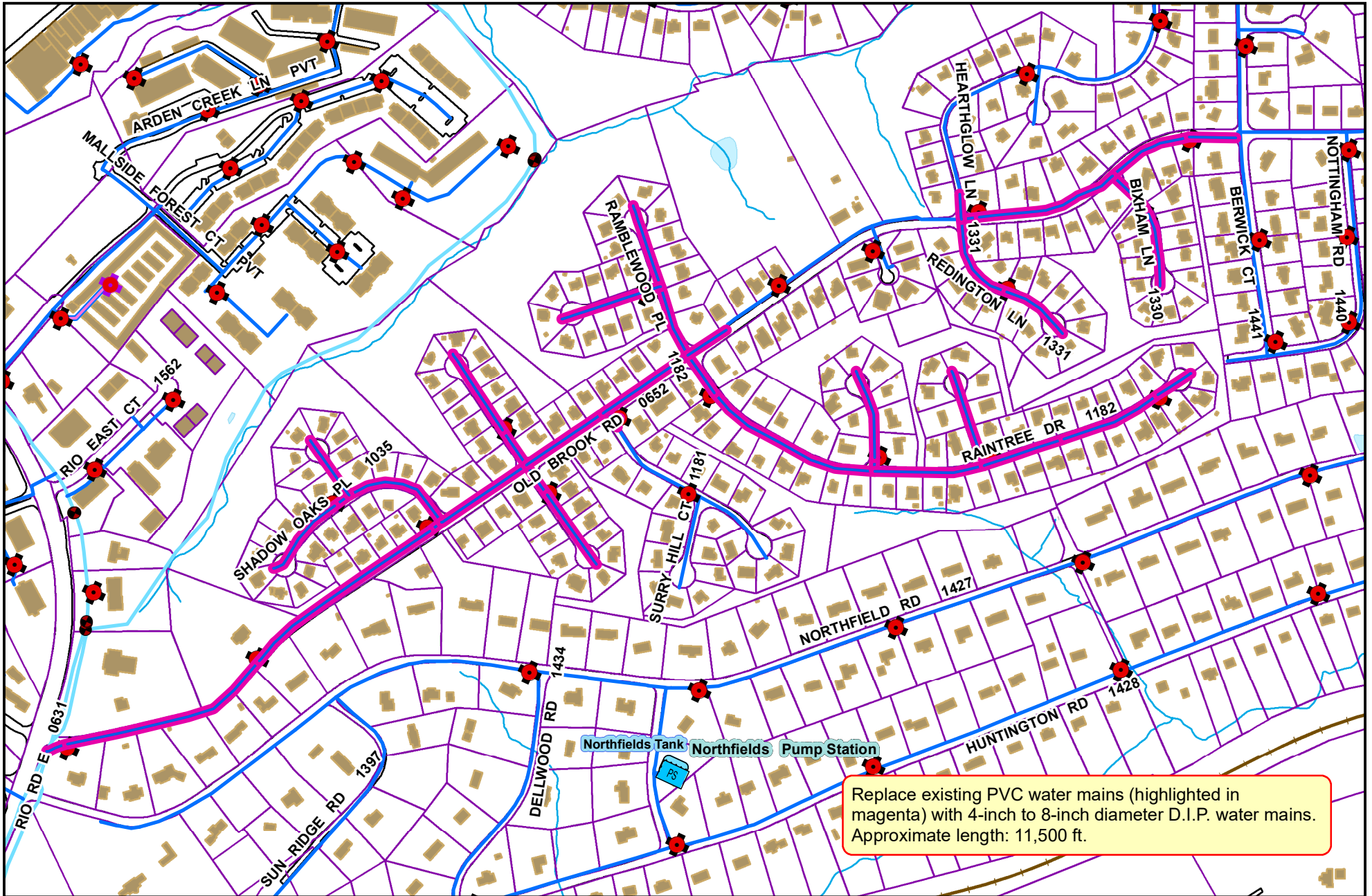


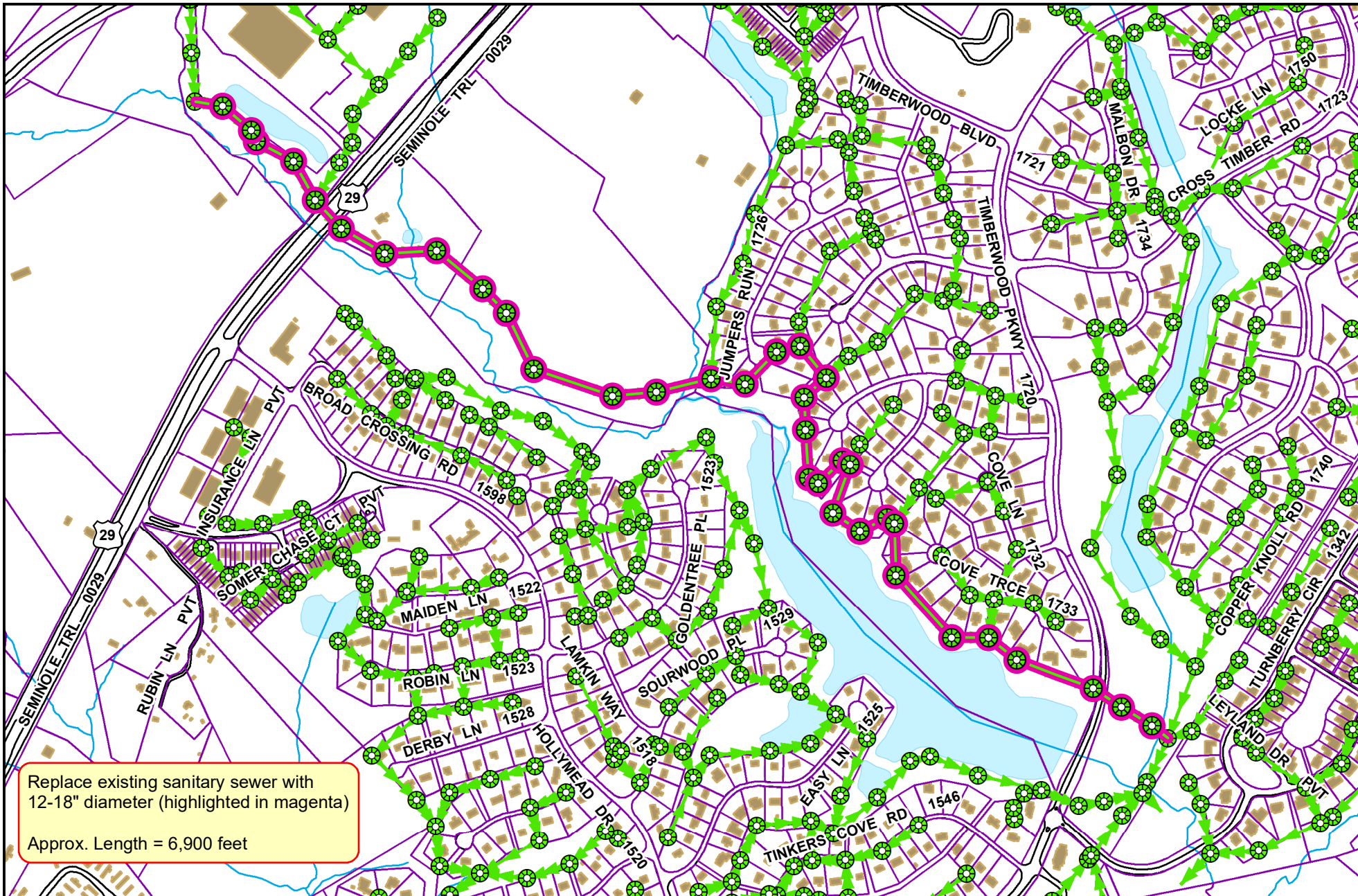
Replace existing PVC water mains (highlighted in magenta) with 4-inch through 8-inch diameter D.I.P. water mains.
Approximate length: 2,300 ft.



Replace existing Cast Iron water mains (highlighted in magenta) with 12-inch or 8-inch diameter D.I.P. water mains. Water main size dependent on County's Broadway Blueprint
Approximate length: 1,500 ft.







Replace existing sanitary sewer with
12-18" diameter (highlighted in magenta)

Approx. Length = 6,900 feet

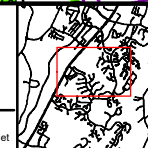
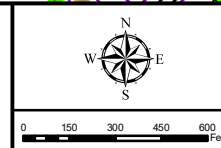
Albemarle County
Service Authority

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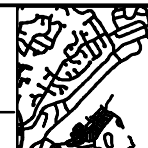
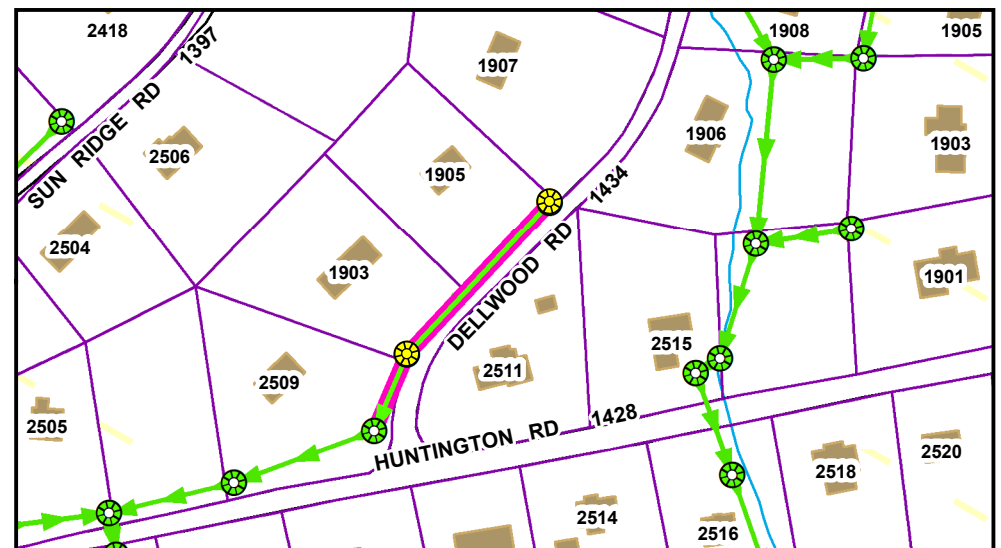
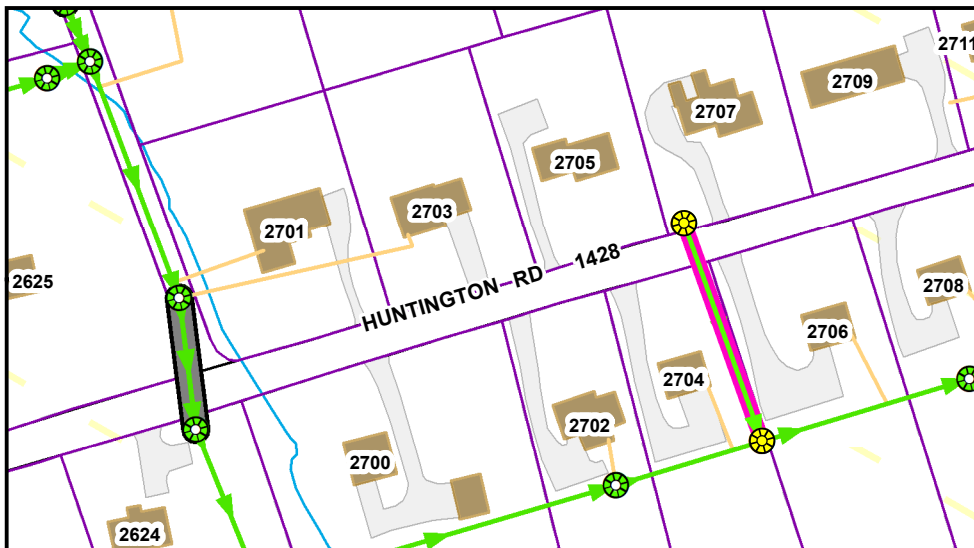
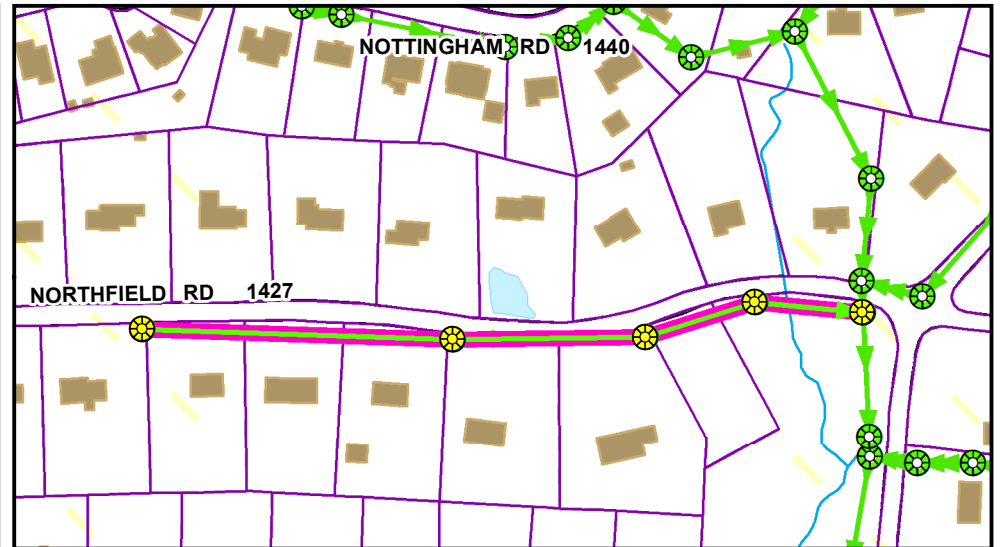
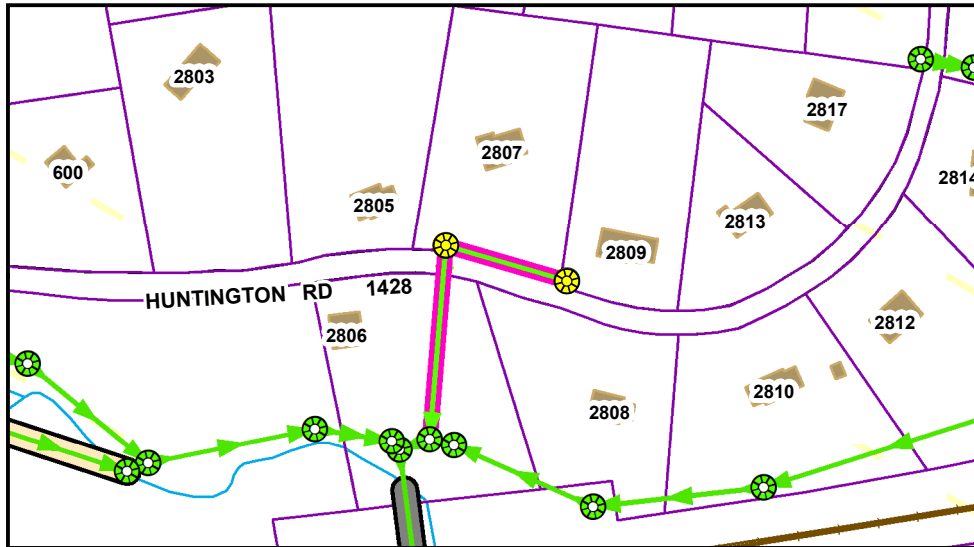
Airport Trunk Sewer Upgrade

Capital Improvement Project



- Prop. MH
- Prop. Sewer

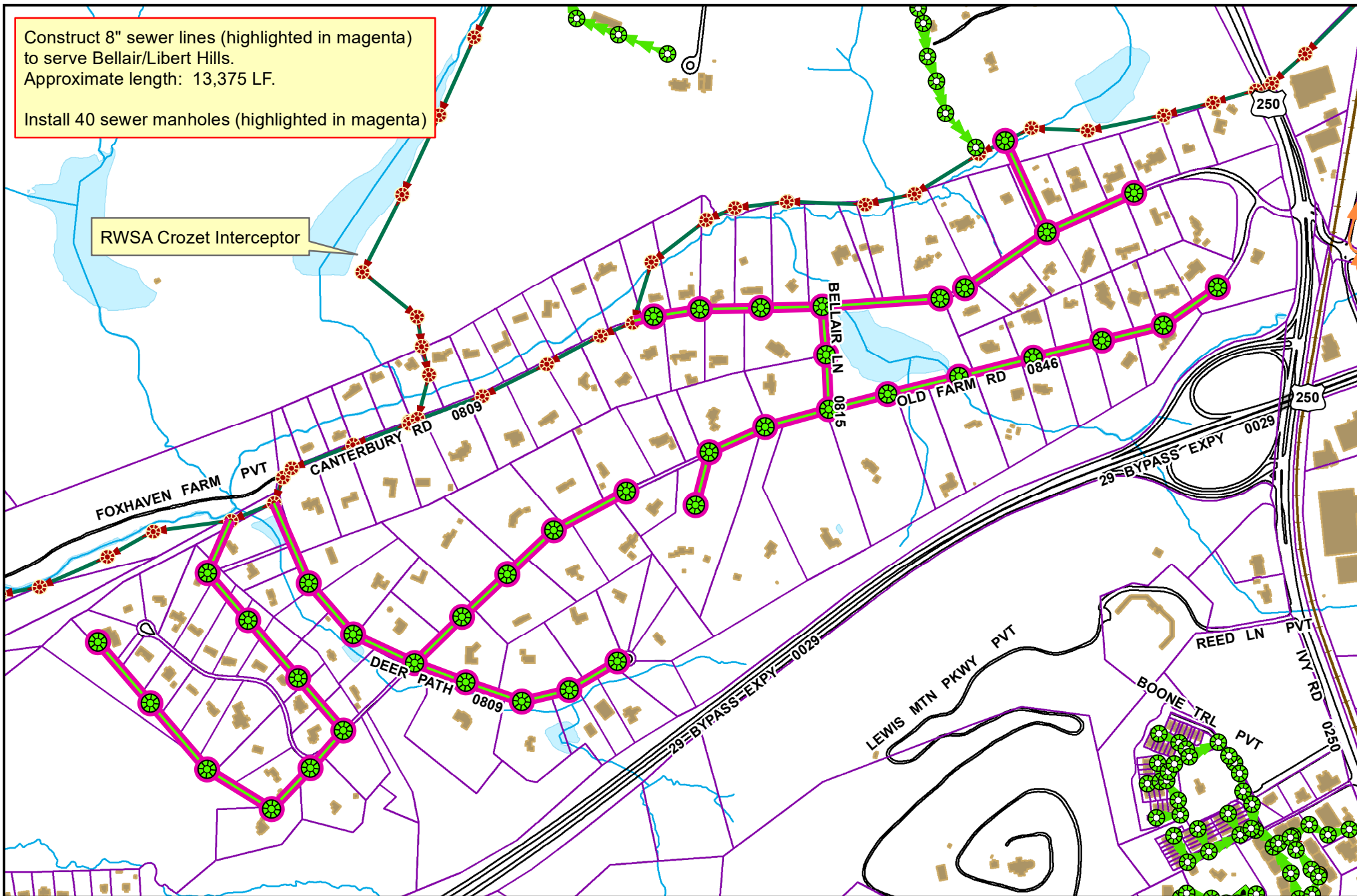
Install approximately 1,500 linear feet of sewer main.
Sewer service stubouts to be provided to 18 lots.



Construct 8" sewer lines (highlighted in magenta)
to serve Bellair/Libert Hills.
Approximate length: 13,375 LF.

Install 40 sewer manholes (highlighted in magenta)

RWSA Crozet Interceptor



**Albemarle County
Service Authority**

Serving & Conserving
168 Spotnap Road Charlottesville, VA 22911 (434) 977-4511

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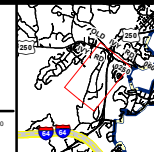
Contact ACSA directly for specific utility locations.
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Parcel Information Property of County of Albemarle

Bellair/Liberty Hills Sewer

Capital Improvement Project



0 180 360 720
Feet



Legend

- Proposed Sewerline
- Proposed Manhole

Replace existing pump station with larger station,
new pumps and SCADA control system.

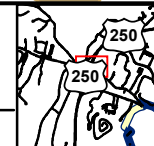
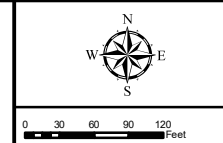


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Madison Office Park Pump Station Upgrade Capital Improvement Project



PS Pump Station

- Replace approximately 60-feet of exposed 24-inch PVC sewer main (highlighted in magenta) with 24-inch DIP sewer main.
- Install new manhole approximately 60-feet downstream of existing manhole (highlighted in yellow).
- Stabilize existing stream bank and rebury new DIP sewer main.

