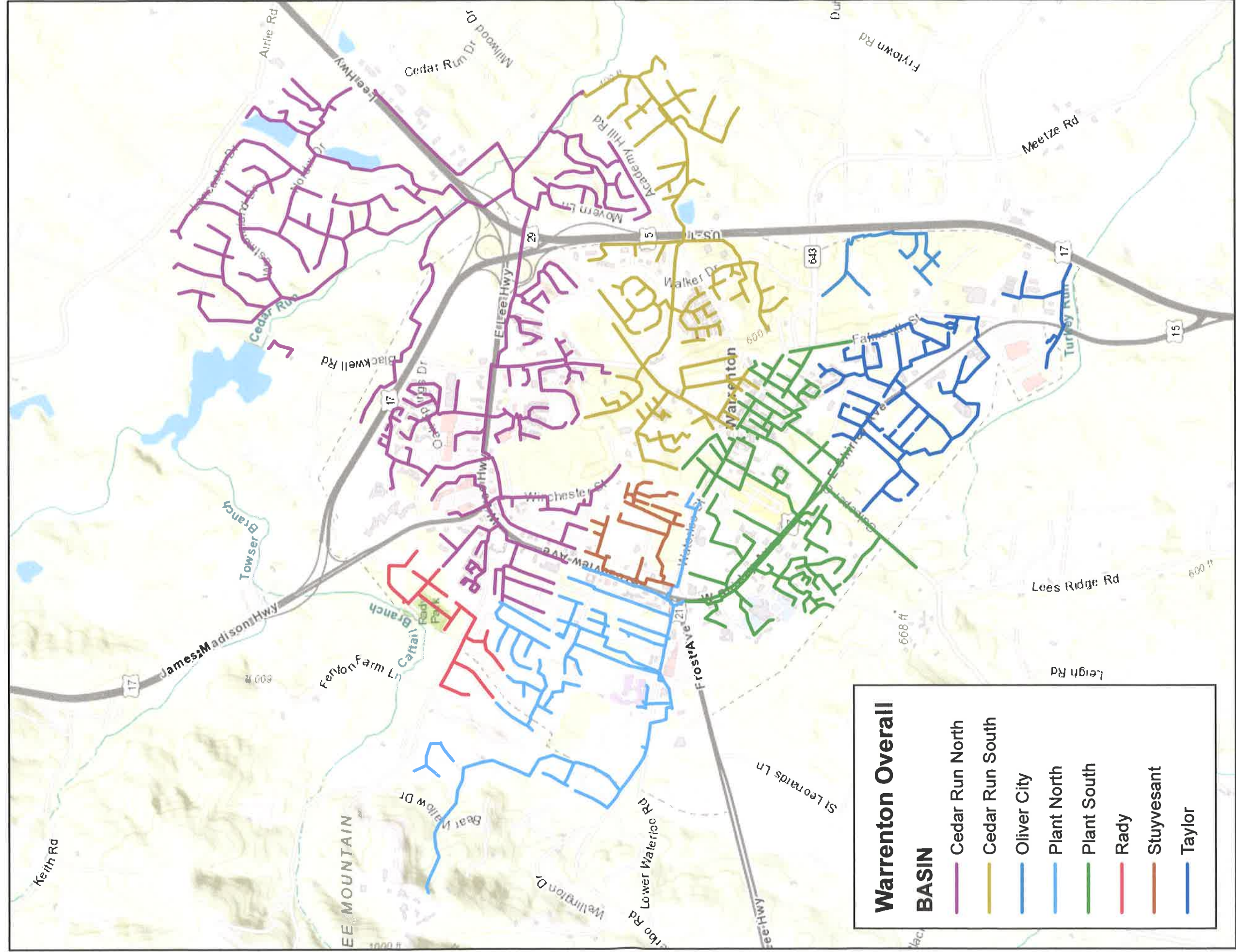


Warrenton Design and Construction Progress

Basin	CAR	Phase I			Phase II			Design Drawings	Sewer Rehab				Lateral Rehab		Manhole Rehab			Misc.
		Smoke Testing	Manhole Inspections	Zoom Inspections	CAR	Dye Tests	CCTV		Pipe Burst / Replace	CIPP	Point Repair	Add Manhole	Cleanout Caps	Line Lateral	Manhole Inserts	Liner	Root Treatment	
Cedar Run North Total Pipes: 630 Total Footage: 132,315 Total Manholes: 624	Jun-18	Complete 42,500'	Complete 208	Complete 378	Nov-18	Not Recommended	Complete 18,600'	Complete		Incomplete 8 1714'	Incomplete 8		Incomplete 6	Incomplete 15	Incomplete 55	Incomplete 6		Incomplete 1 Replace Chimney
Cedar Run South Total Pipes: 299 Total Footage: 59,303 Total Manholes: 296	Feb-18	Complete 61,000'	Complete 268	Complete 611	Nov-18	Complete 14	Complete 7,700'	Complete	Complete 1 223'	Incomplete 6 968'	Incomplete 6		Complete 100	Incomplete 24	Complete 70	Complete 2		Complete 1 Cone Replacement, 1 New Chimney Seal
Plant North Total Pipes: 219 Total Footage: 46,157 Total Manholes: 214	Oct-17	Complete 45,000'	Complete 187	Complete 441	May-18	Complete 9	Complete 11,000'	Complete		Complete 6 1003'	Complete 6	Complete 1	Complete 40		Complete 26	Complete 36	Complete 3	Complete 1 Wall Patch
Plant South Total Pipes: 301 Total Footage: 58,631 Total Manholes: 301	Nov-17	Complete 57,000'	Complete 264	Complete 633	Jun-18	Complete 24	Complete 8,800'	Complete	Incomplete 2 608'	Complete 3 369'	Incomplete 9		Complete 15	Incomplete 23	Complete 61	Incomplete 61	Incomplete 2	Incomplete 4 Pipe seals
Rady Total Pipes: 42 Total Footage: 10,406 Total Manholes: 42		None	None	None		None	Complete 5,600'	None		Complete 26 6,100'				Complete 46		Complete 25		
Taylor Total Pipes: 180 Total Footage: 34,806 Total Manholes: 178	Jul-18	Complete 13,000'	Complete 33	Complete 62	Dec-18	Complete 2	Complete 5 2,000'	Complete		Complete 11 2,800'			Complete 6	Complete 42	Complete 13	Complete 11		
Stuyvesant Total Pipes: 58 Total Footage: 11,746 Total Manholes: 56	Jul-18	Complete 9,800'	Complete 42	Complete 85	Dec-18	Not Recommended	Complete 12 2,400'	Complete		Complete 9 2,100'	Complete 9		Complete 6	Complete 29	Complete 26	Complete 5		Incomplete Seal Manhole Cover

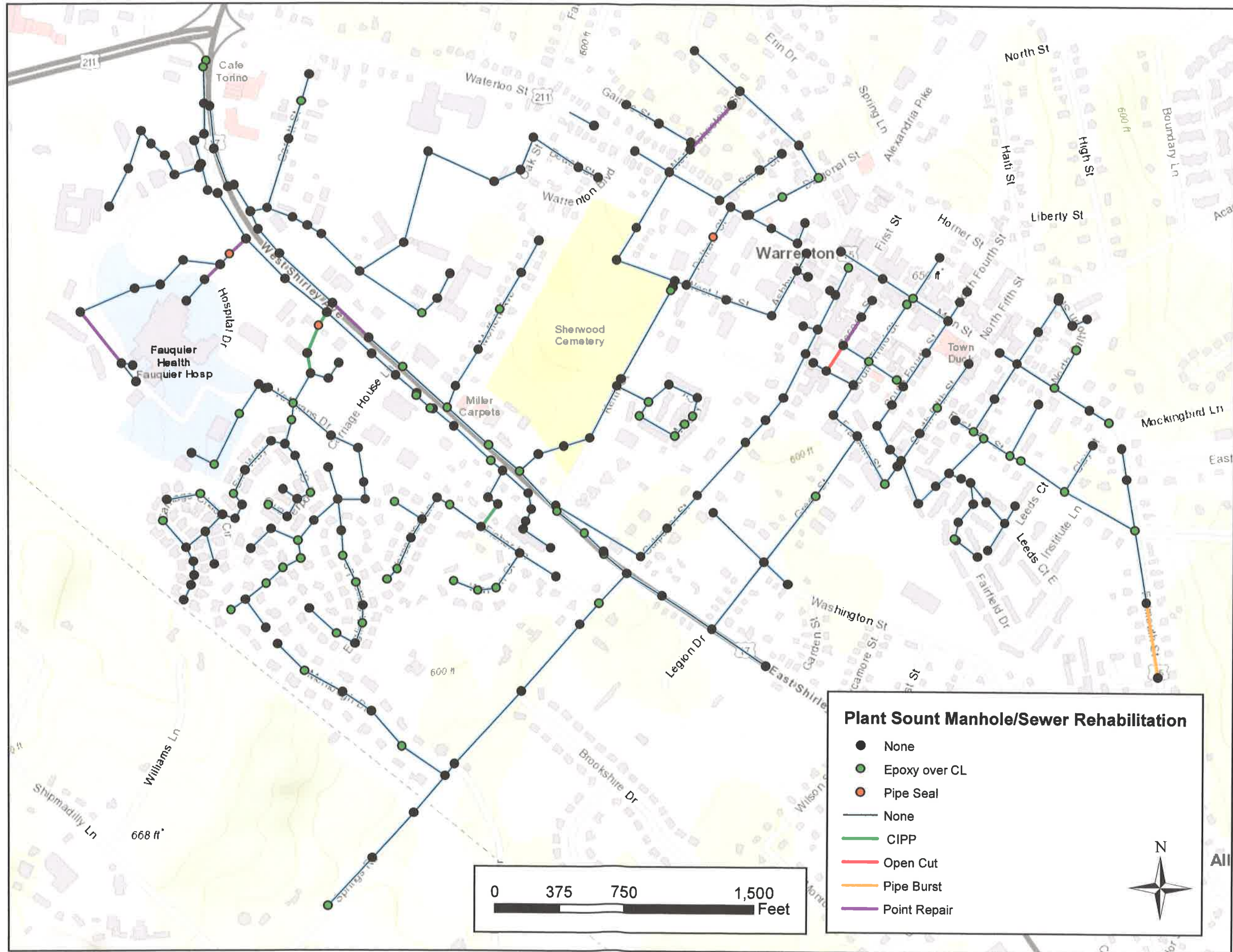
CIPP Status	Total Footage
Complete	12,372
Incomplete	2,682
Pipe Burst	
Complete	223
Incomplete	608

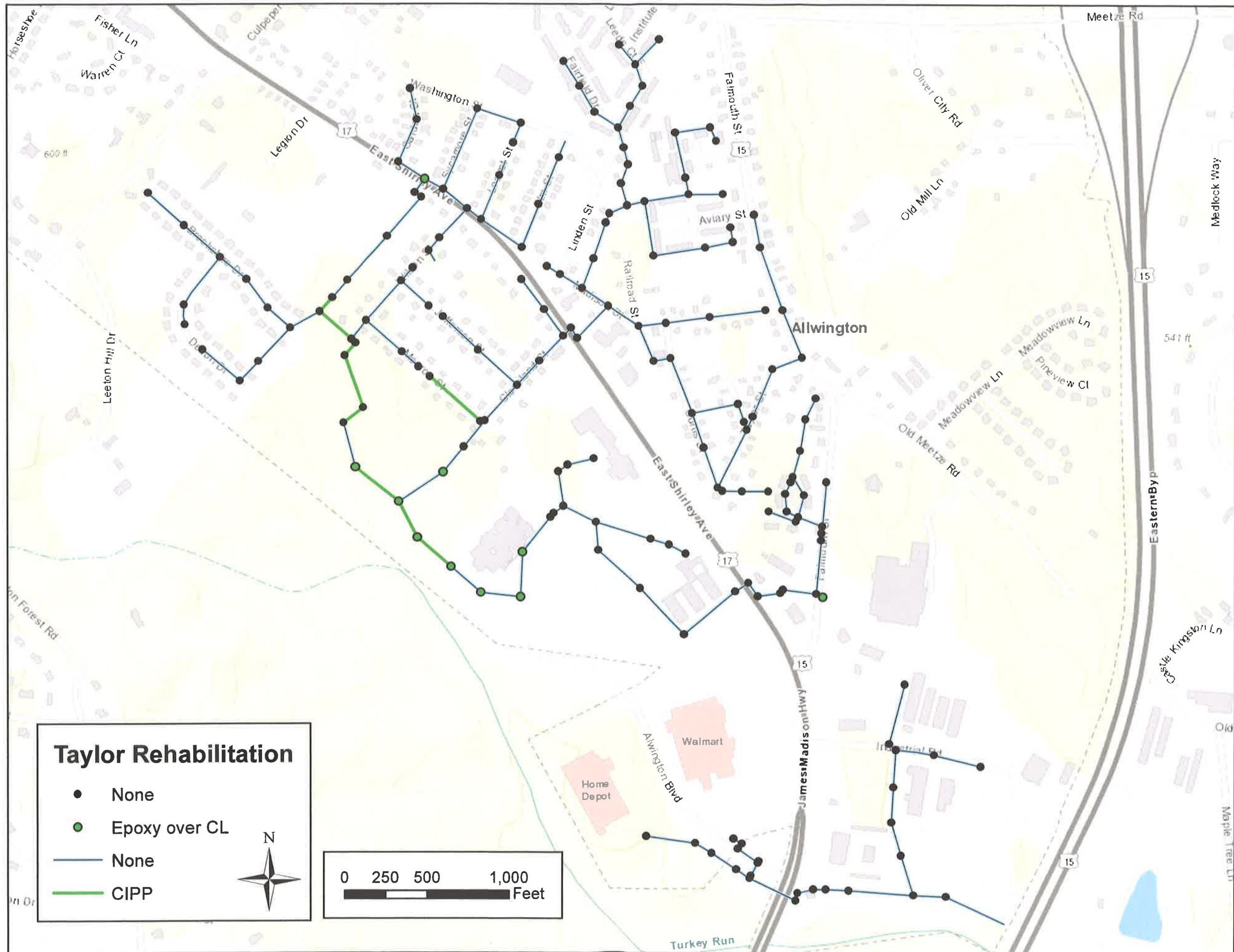


Warrenton Overall

BASIN

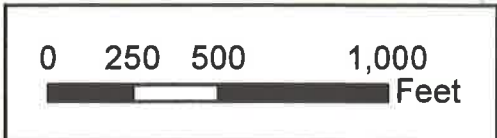
- Cedar Run North
- Cedar Run South
- Oliver City
- Plant North
- Plant South
- Rady
- Stuyvesant
- Taylor





Taylor Rehabilitation

- None
- Epoxy over CL
- None
- CIPP



Stuyvesant Rehabilitation

- None
- Epoxy over CL
- None
- CIPP



Rady Rehabilitation

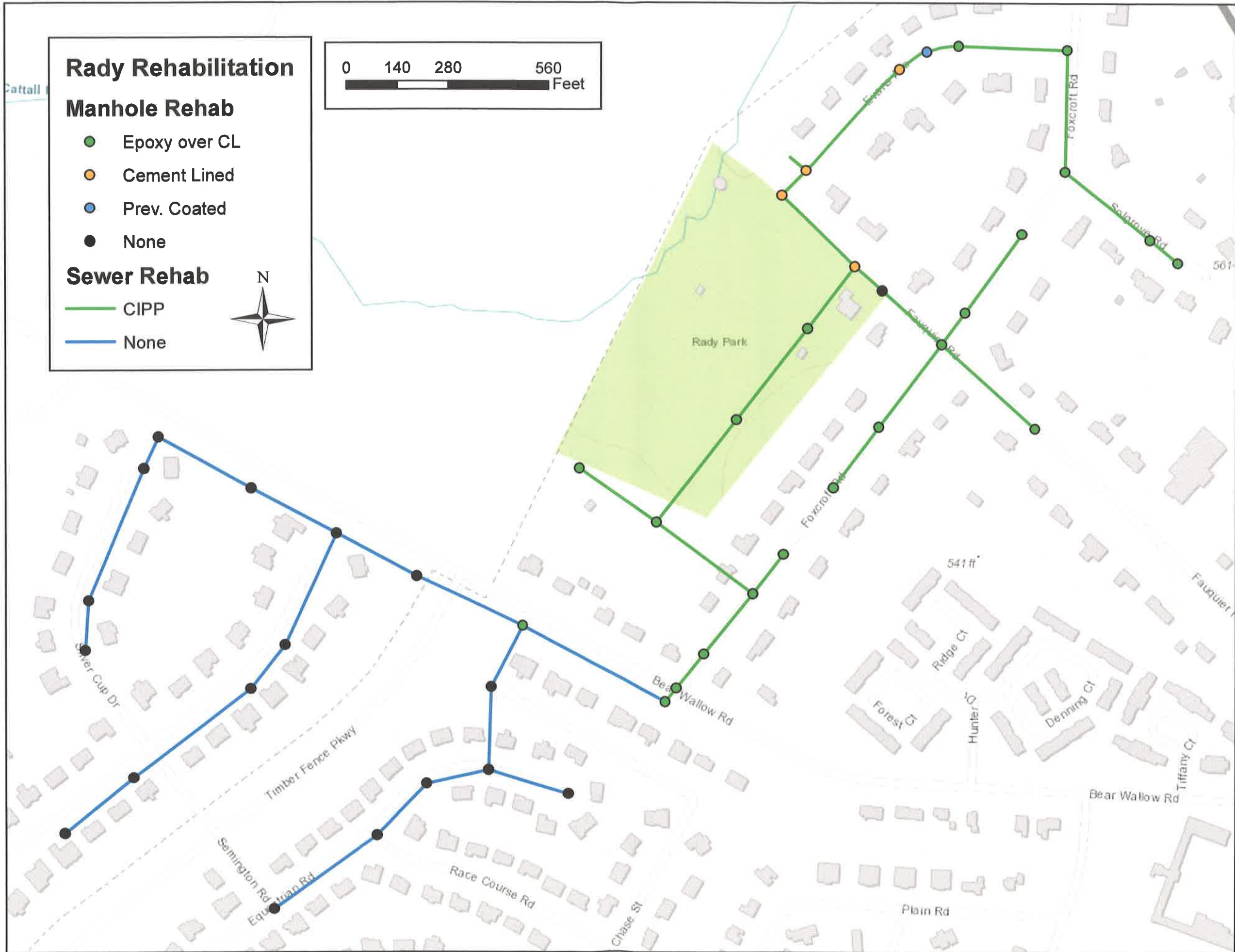
Manhole Rehab

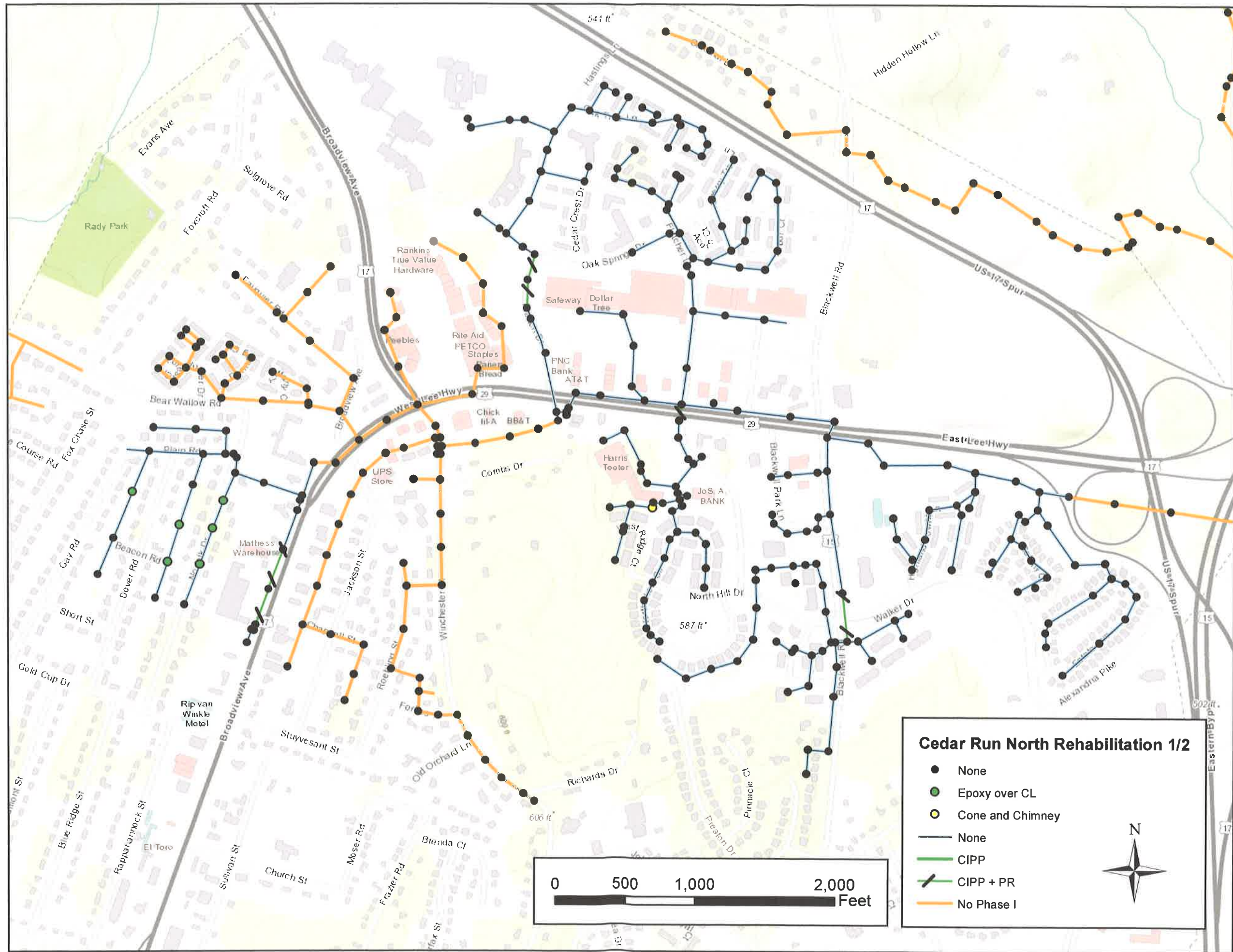
- Epoxy over CL
- Cement Lined
- Prev. Coated
- None

Sewer Rehab

- CIPP
- None

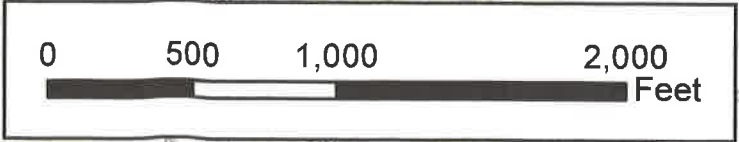
0 140 280 560 Feet





Cedar Run North Rehabilitation 1/2

- None
- Epoxy over CL
- Cone and Chimney
- None
- CIPP
- CIPP + PR
- No Phase I



Cedar Run North Rehabilitation 21/2

- None
- Epoxy over CI
- Cone and Chimney
- None
- CIPP
- CIPP + PR

