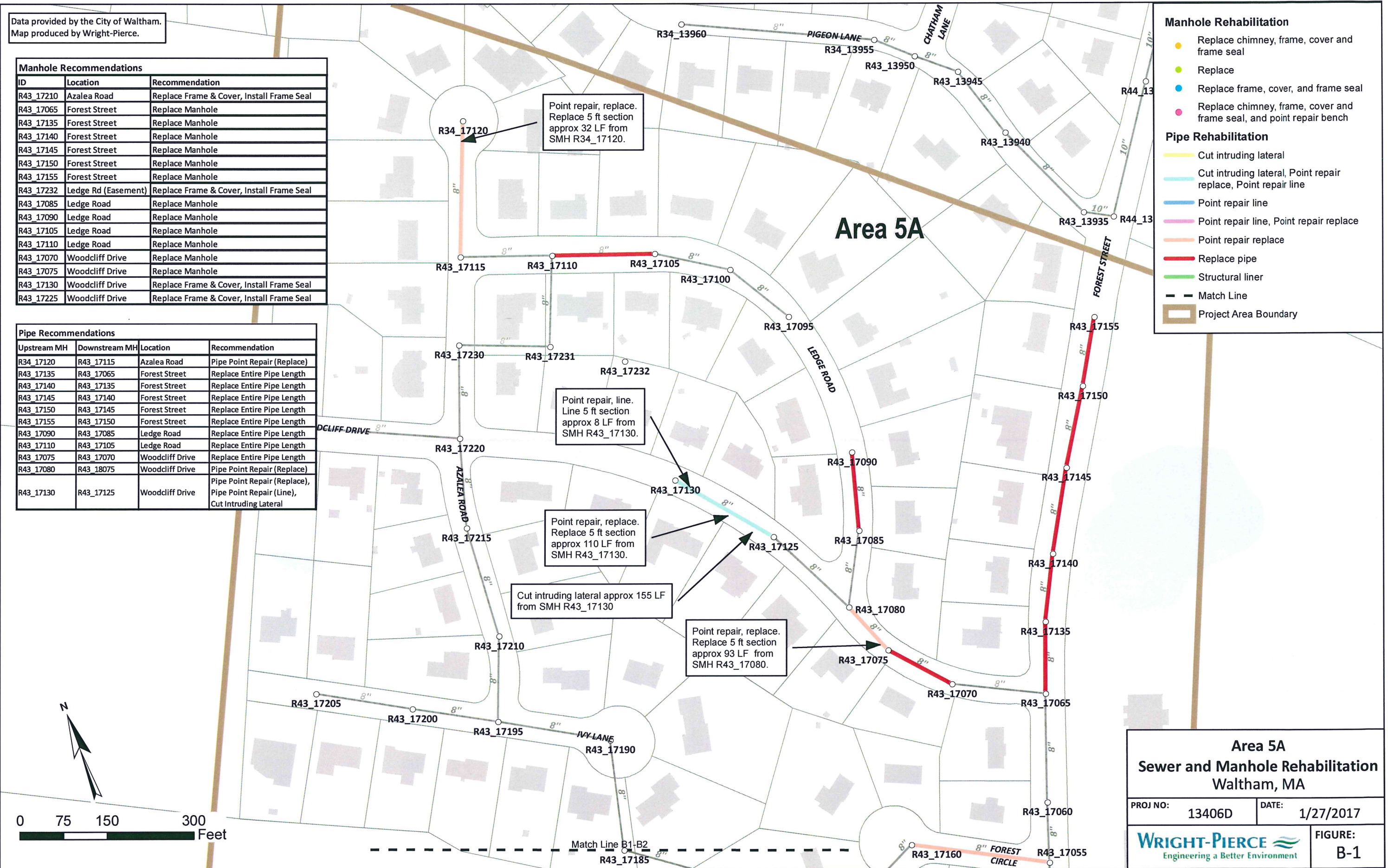


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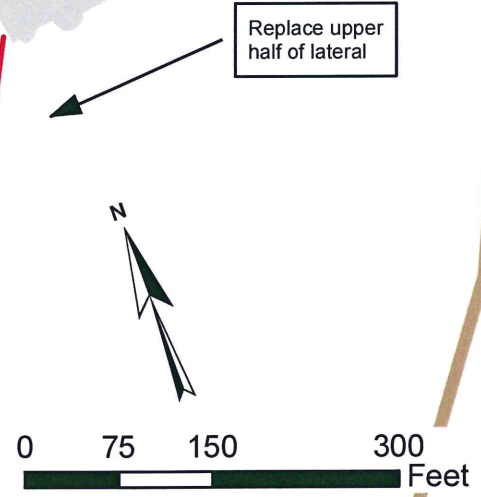
Data provided by the City of Waltham.
Map produced by Wright-Pierce.

Manhole Recommendations		
ID	Location	Recommendation
R43_17041	"Forest St Extension"	Replace Manhole
R43_16990	Beaver Street	Replace Manhole
R43_17025	Forest Street	Replace Manhole
R43_17030	Forest Street	Replace Manhole
R43_17040	Forest Street	Replace Manhole
R43_17045	Forest Street	Replace Manhole
R43_17050	Forest Street	Replace Manhole

Pipe Recommendations			
Upstream MH	Downstream MH	Location	Recommendation
R43_16990	R43_16985	Beaver Street	Replace Entire Pipe Length
R43_17160	R43_17055	Forest Circle	Pipe Point Repair (Replace)
R43_17041	R43_17040	Forest St Extension	Replace Entire Pipe Length
R43_17030	R43_17025	Forest Street	Replace Entire Pipe Length
R43_17040	R43_17035	Forest Street	Replace Entire Pipe Length
R43_17050	R43_17045	Forest Street	Replace Entire Pipe Length

- Manhole Rehabilitation
- Replace chimney, frame, cover and frame seal
 - Replace
 - Replace frame, cover, and frame seal
 - Replace chimney, frame, cover and frame seal, and point repair bench
- Pipe Rehabilitation
- Cut intruding lateral
 - Cut intruding lateral, Point repair replace, Point repair line
 - Point repair line
 - Point repair line, Point repair replace
 - Point repair replace
 - Replace pipe
 - Structural liner
 - Match Line
 - Project Area Boundary

Area 5A



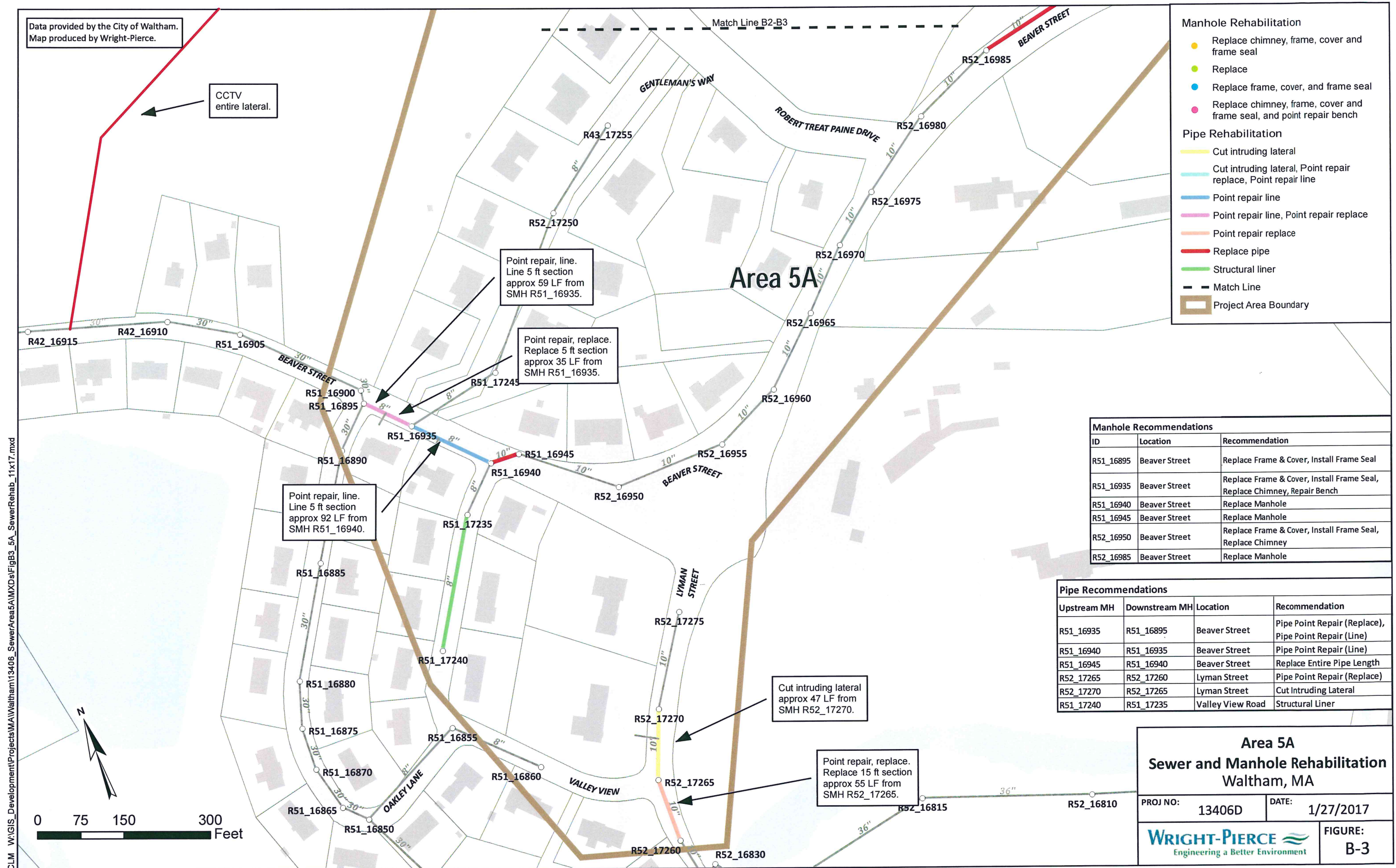
Area 5A
Sewer and Manhole Rehabilitation
Waltham, MA

PROJ NO: 13406D DATE: 1/27/2017

WRIGHT-PIERCE
Engineering a Better Environment

FIGURE: B-2

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Data provided by the City of Waltham.
Map produced by Wright-Pierce.

- Replacement Recommendations
- Replace Water Service
 - Replace Sewer Service
 - Replace Sewer Service, Replace Water Service
 - Water Service Test Pit
 - Sewer Service Test Pit
 - Sewer Service Test Pit, Replace Water Service
 - Sewer Service Test Pit, Water Service Test Pit
 - Sewer Manhole
 - Water Main
 - Sewer Gravity Main
 - Match Line
 - Project Area

Area 5A

HIGH SCHOOL ACCESS ROAD

WOODCLIFF DRIVE

WILLOW ROAD

IVY LANE

PIGEON LANE

CHATHAM LANE

FOREST STREET

FOREST CIRCLE

Match Line B1-B2



0 75 150 300 Feet

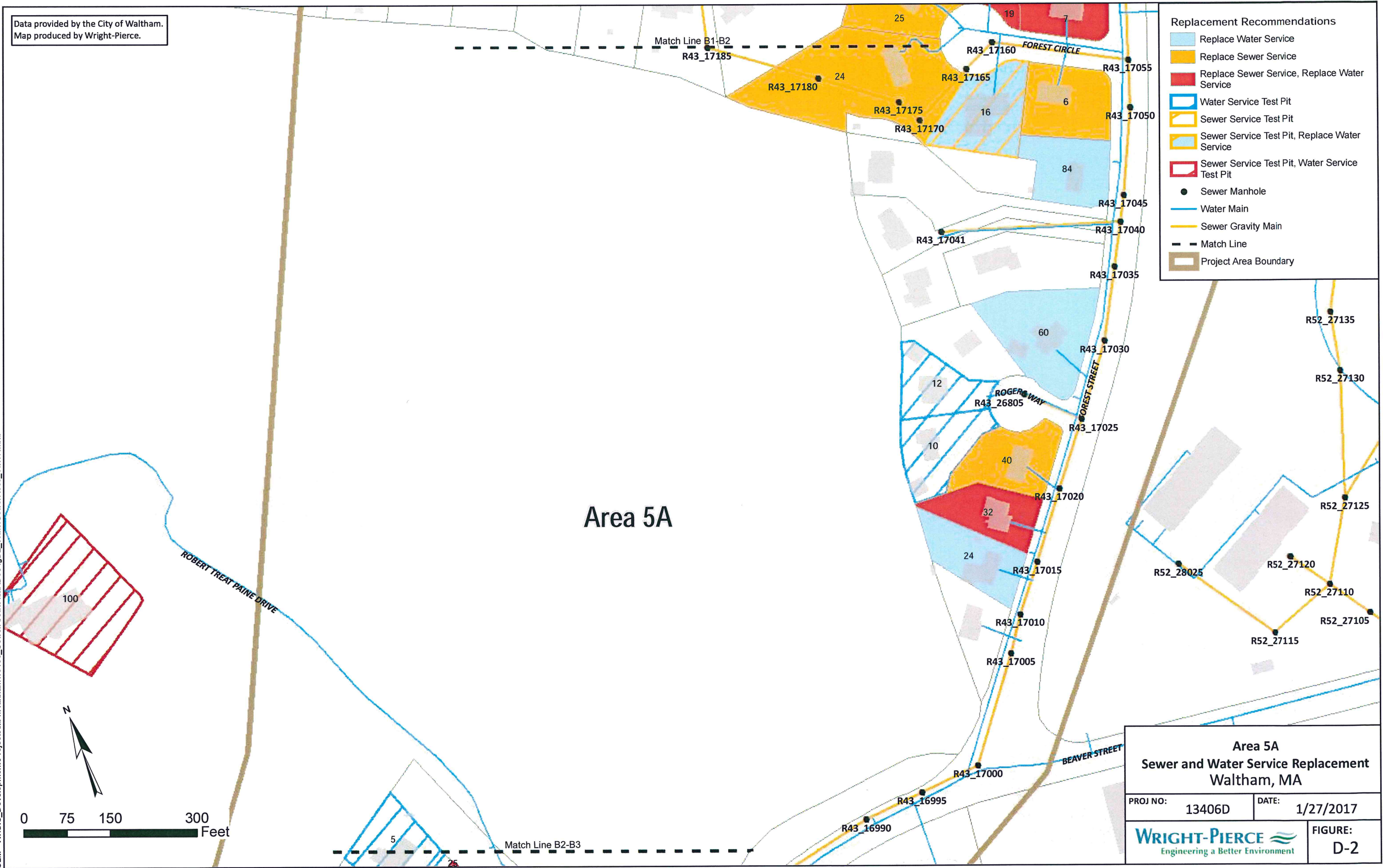
Area 5A
Sewer and Water Service Replacement
Waltham, MA

PROJ NO:	13406D	DATE:	1/27/2017
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FIGURE:	D-1
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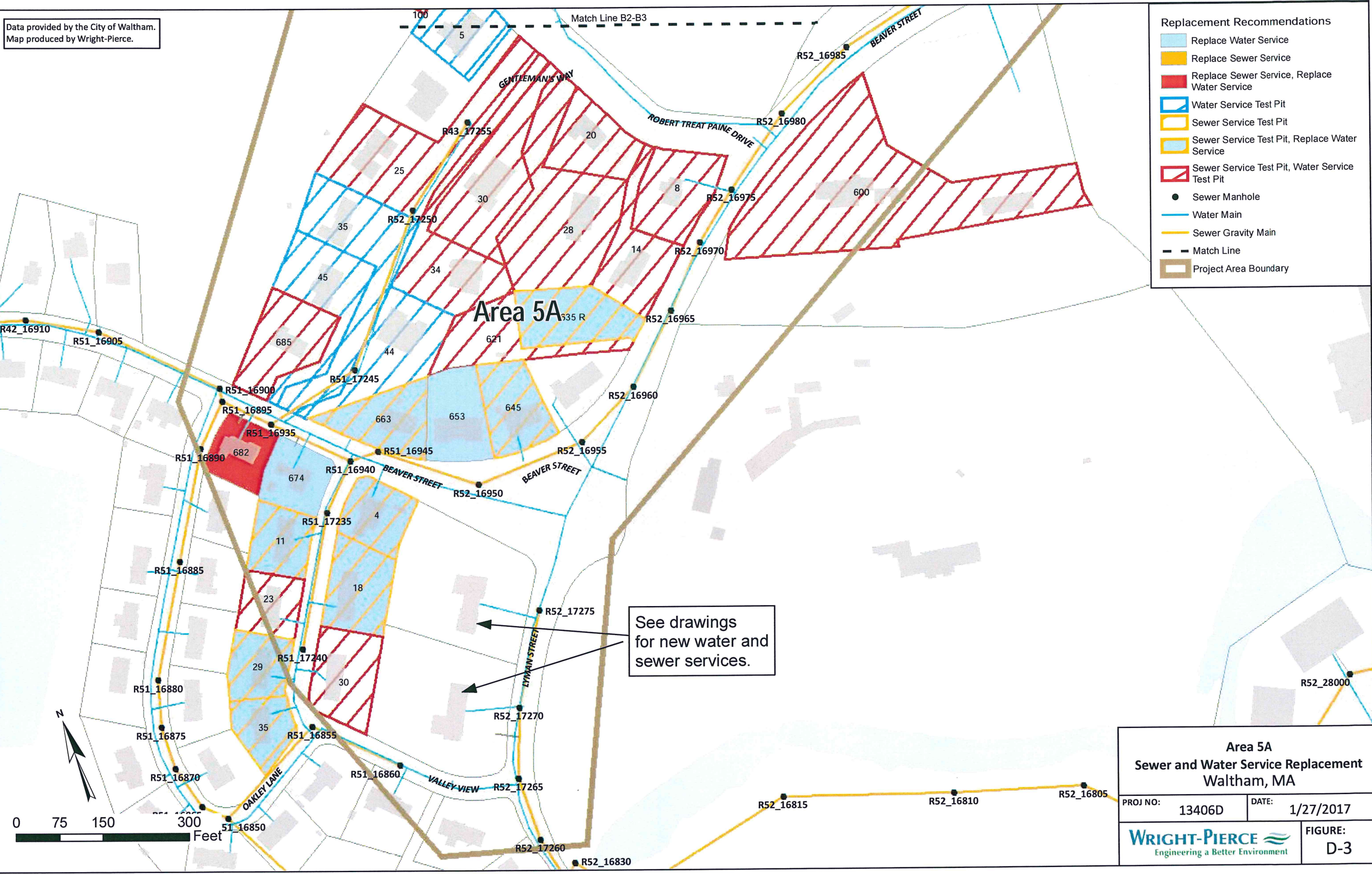
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Data provided by the City of Waltham.
Map produced by Wright-Pierce.

- Replacement Recommendations
- Replace Water Service
 - Replace Sewer Service
 - Replace Sewer Service, Replace Water Service
 - Water Service Test Pit
 - Sewer Service Test Pit
 - Sewer Service Test Pit, Replace Water Service
 - Sewer Service Test Pit, Water Service Test Pit
 - Sewer Manhole
 - Water Main
 - Sewer Gravity Main
 - Match Line
 - Project Area Boundary

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Area 5A
Sewer and Water Service Replacement
Waltham, MA

PROJ NO:	13406D	DATE:	1/27/2017
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 Engineering a Better Environment	FIGURE: D-3
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