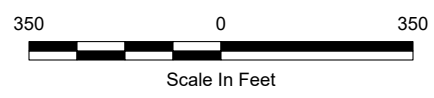
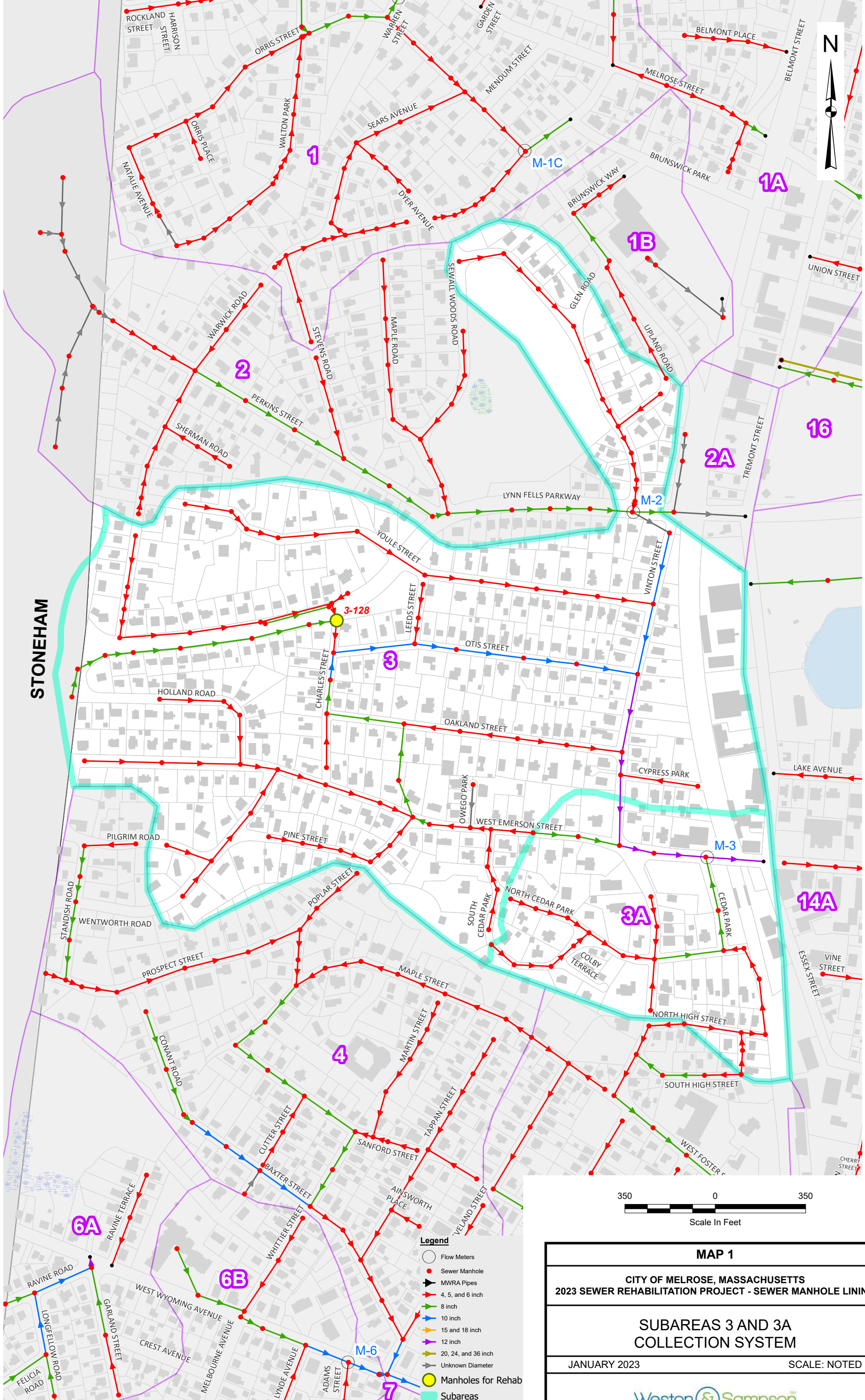


**MELROSE, MA**  
**2023 SEWER REHABILITATION PROJECT - SEWER MANHOLE LINING**  
**SEWER MANHOLE SUMMARY**

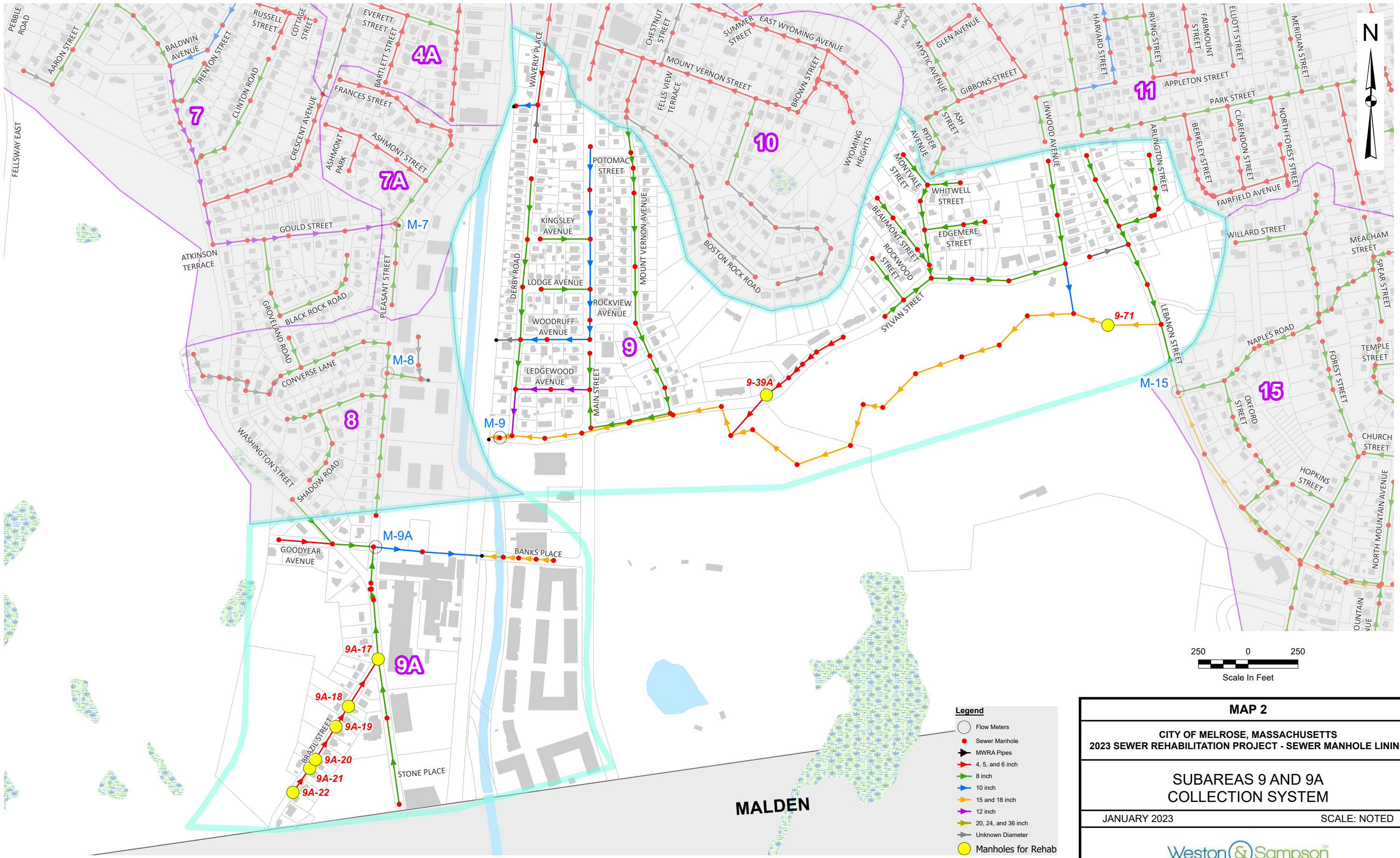
SUBAREA	MAP #	PHASE	MH #	STREET	MATERIAL	APPROX. DEPTH (ft)
3	1	1	3-128	Charles Street	Brick	10.3
9	2	3	9-71	Cross Country (cemetery)	Brick	9.5
9	2	3	9-39A	Off Sylvan Street (parking lot)	Brick	6.1
9A	2	-	9A-17	Brazil Street	Brick	7.9
9A	2	-	9A-18	Brazil Street	Brick	7.3
9A	2	-	9A-19	Brazil Street	Brick	6.5
9A	2	-	9A-20	Brazil Street	Brick	7.0
9A	2	-	9A-21	Brazil Street	Brick	6.7
9A	2	-	9A-22	Brazil Street	Brick	5.0
13	3	2	13-20	East Emerson Street	Brick	16.4
13	3	2	13-45	Main Street	Brick	17.5
13	3	2	13-51	Rowe Street	Brick	9.8
13	3	2	13-50	Rowe Street	Brick	9.8
15	4	1	15-70	Lebanon Street	Brick	24.6
15	4	1	15-131G	Penney Road	Precast	11.4
15	4	1	15-136	Swains Pond Avenue	Precast	11.3
18	5	1	18-97	Hawley Road	Brick	8.0
18	5	1	18-37	Hesseltine Avenue	Brick	10.4
19	6	2	19-40	East Emerson Street	Brick	12.8
19	6	2	19-27	East Emerson Street	Brick	8.9
19	6	2	19-64	East Foster Street	Brick	6.7
19	6	2	19-88	Lincoln Street	Brick	10.8
19	6	2	19-93	Marmion Road	Brick	8.4
19	6	2	19-12	Orient Avenue	Brick	8.5
19	6	2	19-79A	Porter Street	Brick	7.9
19	6	2	19-46	Upham Street	Brick	7.3
20A	7	1	20-121	Cranmore Lane	Brick	10.2
20A	7	1	20-118	Carlida Road @ Cranmore Lane	Lined	7.1
20B	8	3	20-50	Clifford Street	Precast	8.2
20B	8	3	20-54	Clifford Street	Lined	7.3
20B	8	3	20-10	Old Brook Circle	Lined	11.1
20B	8	3	20-50B	Nelson Street	Precast	7.8
21B	9	3	21-60	Waverly Avenue	Lined	7.8
22	10	3	22-76	Burnett Street	Brick	4.2
22	10	3	22-49	Cross Country (Sycamore/Slayton)	Brick	7.2
22	10	3	22-113	Goss Avenue	Brick	7.8
22	10	3	22-93	Granite Street	Brick	7.7
22	10	3	22-19	Slayton Road	Brick	7.7
22	10	3	22-82	Water Street	Brick	12.7
22	10	3	22-97	Wheeler Avenue	Brick	7.7
22	10	3	22-96	Wheeler Avenue	Brick	8.7
22	10	3	22-88	Wheeler Avenue	Brick	5.4
23	11	2	23-43	Gooch Street	Brick	8.4
23	11	2	23-47	Larrabee Street	Brick	10.0



- Legend**
- Flow Meters
  - Sewer Manhole
  - MWRA Pipes
  - 4, 5, and 6 inch
  - 8 inch
  - 10 inch
  - 15 and 18 inch
  - 12 inch
  - 20, 24, and 36 inch
  - Unknown Diameter
  - Manholes for Rehab
  - Subareas

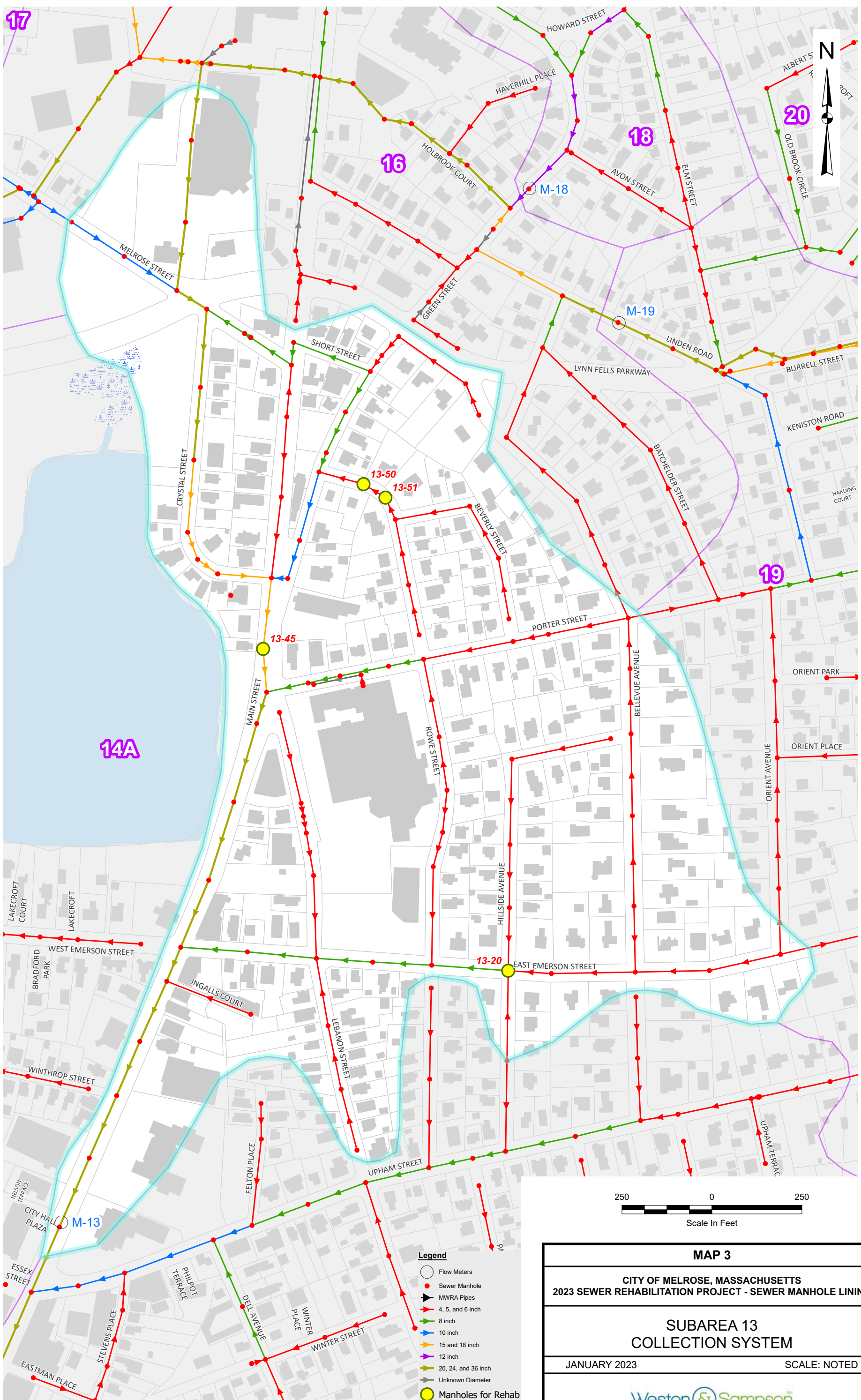
<b>MAP 1</b>	
CITY OF MELROSE, MASSACHUSETTS 2023 SEWER REHABILITATION PROJECT - SEWER MANHOLE LINING	
<b>SUBAREAS 3 AND 3A COLLECTION SYSTEM</b>	
JANUARY 2023	SCALE: NOTED

STONEHAM



\P\Map\2023\SEWER\Subarea\Map2023\_Sewer\_Manhole\_Rehabilitation\_Schematic\_Map\_From\_CADD\_City\_Map\_1117\_Schedule\_9-8-2023\_Map\_1117\_Schedule\_9-8-2023\_Sched\_12/20/2023\_12:38:19M\_Openned\_12/20/2023\_1:00:19M

<b>MAP 2</b>	
<b>CITY OF MELROSE, MASSACHUSETTS</b> <b>2023 SEWER REHABILITATION PROJECT - SEWER MANHOLE LINING</b>	
<b>SUBAREAS 9 AND 9A</b> <b>COLLECTION SYSTEM</b>	
JANUARY 2023	SCALE: NOTED



17

16

18

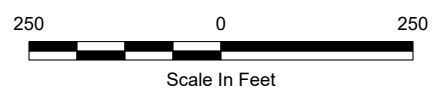
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14A

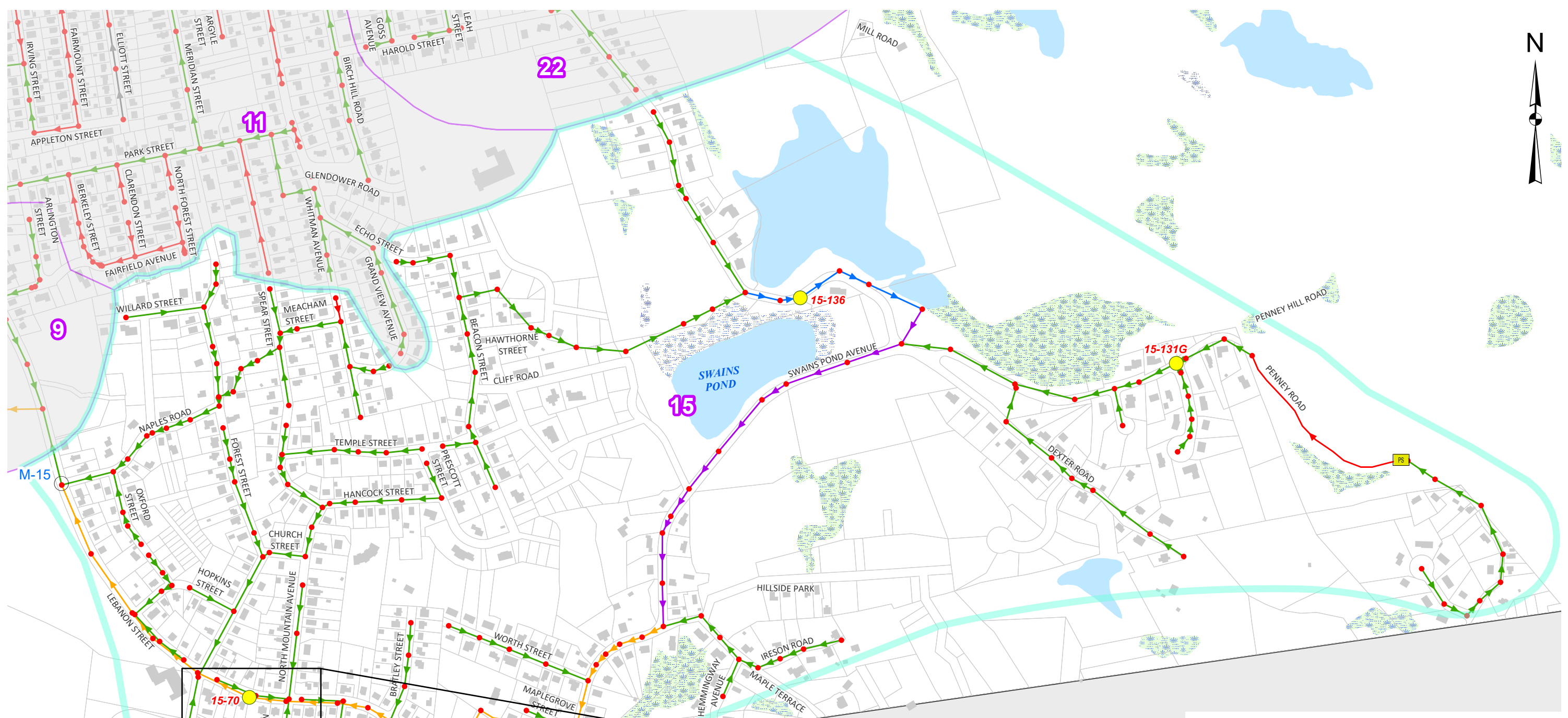
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**Legend**

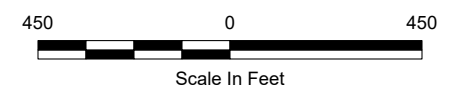
- Flow Meters
- Sewer Manhole
- ▬ MWRA Pipes
- ▬ 4, 5, and 6 inch
- ▬ 8 inch
- ▬ 10 inch
- ▬ 15 and 18 inch
- ▬ 12 inch
- ▬ 20, 24, and 36 inch
- ▬ Unknown Diameter
- Manholes for Rehab



<b>MAP 3</b>	
CITY OF MELROSE, MASSACHUSETTS 2023 SEWER REHABILITATION PROJECT - SEWER MANHOLE LINING	
SUBAREA 13 COLLECTION SYSTEM	
JANUARY 2023	SCALE: NOTED



- Legend**
- Flow Meters
  - Sewer Manhole
  - MWRP Pipes
  - 4, 5, and 6 inch
  - 8 inch
  - 10 inch
  - 15 and 18 inch
  - 12 inch
  - 20, 24, and 36 inch
  - Unknown Diameter
  - Manholes for Rehab

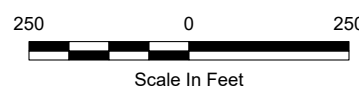
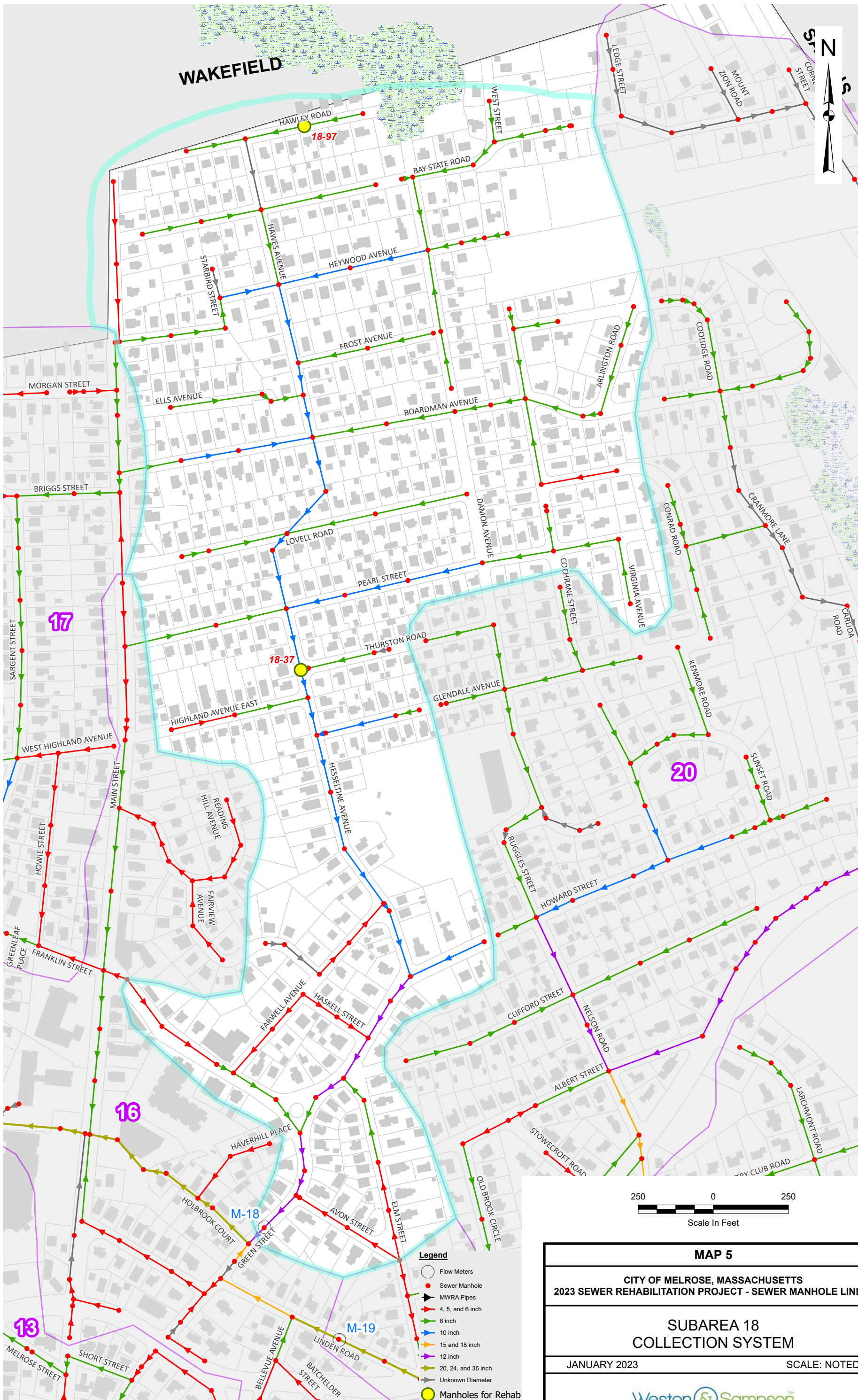


**MAP 4**

**CITY OF MELROSE, MASSACHUSETTS**  
**2023 SEWER REHABILITATION PROJECT - SEWER MANHOLE LINING**

**SUBAREA 15**  
**COLLECTION SYSTEM**

JANUARY 2023 SCALE: NOTED



- Legend**
- Flow Meters
  - Sewer Manhole
  - ➔ MWRA Pipes
  - ➔ 4, 5, and 6 inch
  - ➔ 8 inch
  - ➔ 10 inch
  - ➔ 15 and 18 inch
  - ➔ 12 inch
  - ➔ 20, 24, and 36 inch
  - ➔ Unknown Diameter
  - Manholes for Rehab

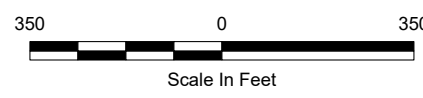
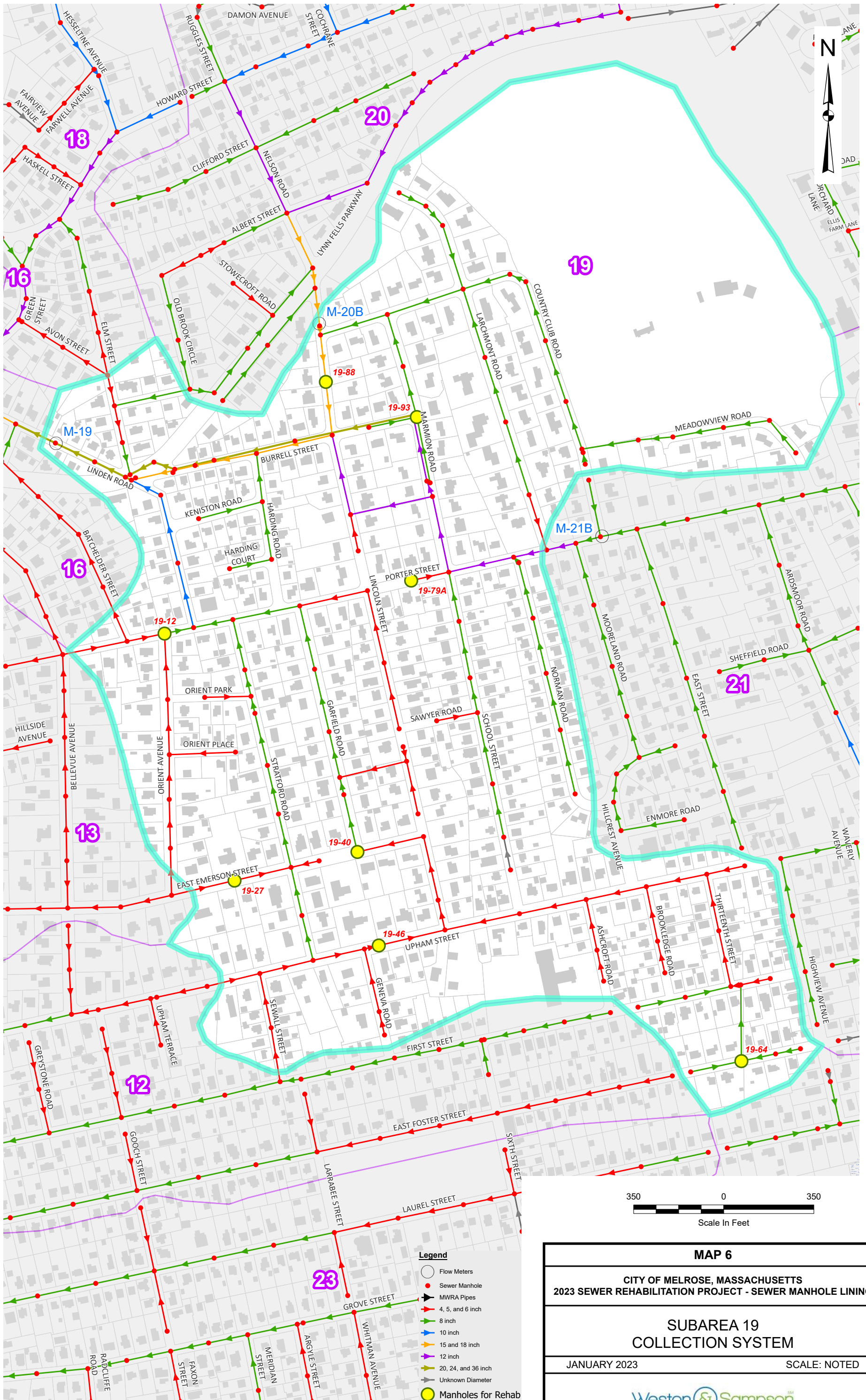
**MAP 5**

CITY OF MELROSE, MASSACHUSETTS  
2023 SEWER REHABILITATION PROJECT - SEWER MANHOLE LINING

**SUBAREA 18  
COLLECTION SYSTEM**

JANUARY 2023 SCALE: NOTED

**Weston & Sampson**



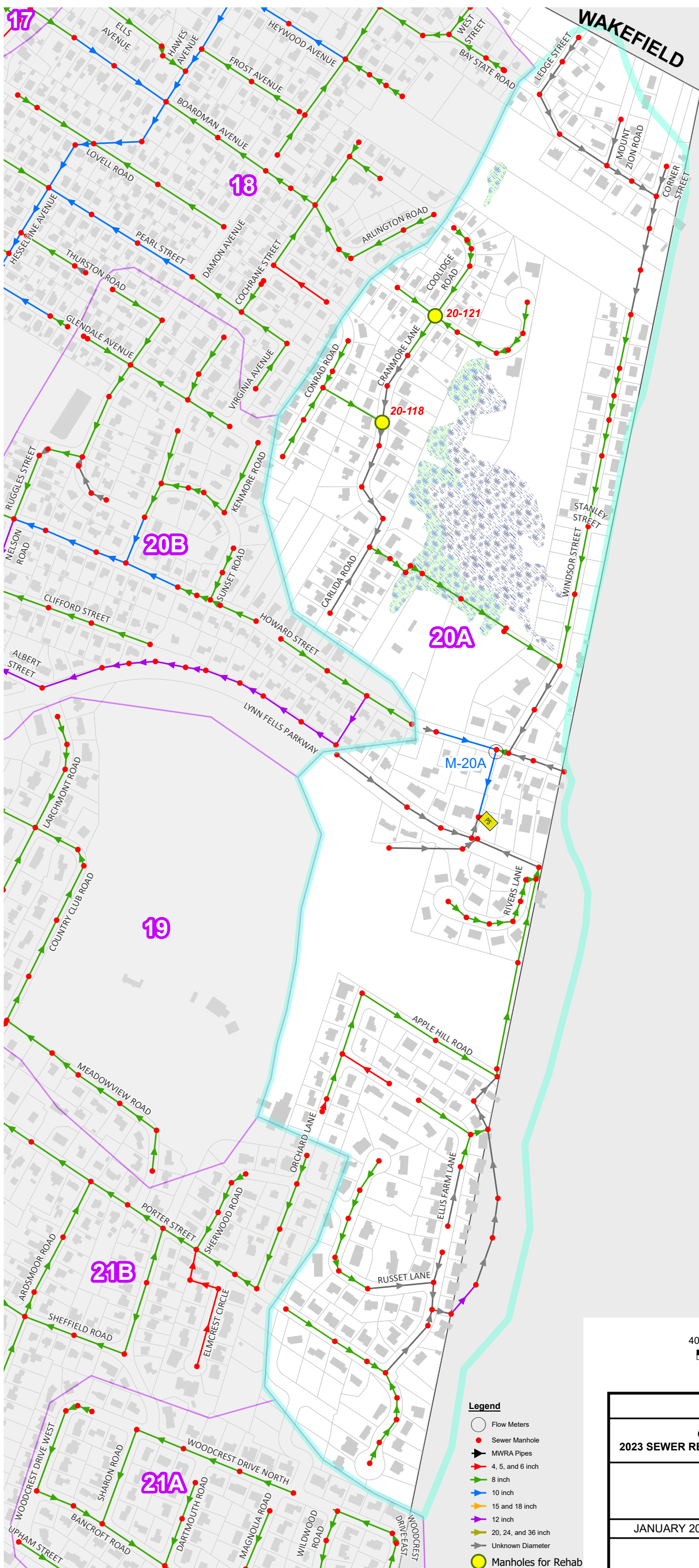
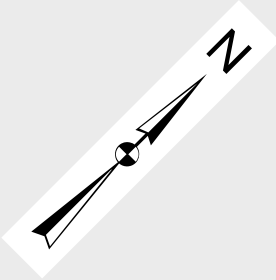
**MAP 6**

CITY OF MELROSE, MASSACHUSETTS  
2023 SEWER REHABILITATION PROJECT - SEWER MANHOLE LINING

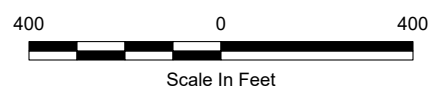
**SUBAREA 19  
COLLECTION SYSTEM**

JANUARY 2023 SCALE: NOTED

**Weston & Sampson**



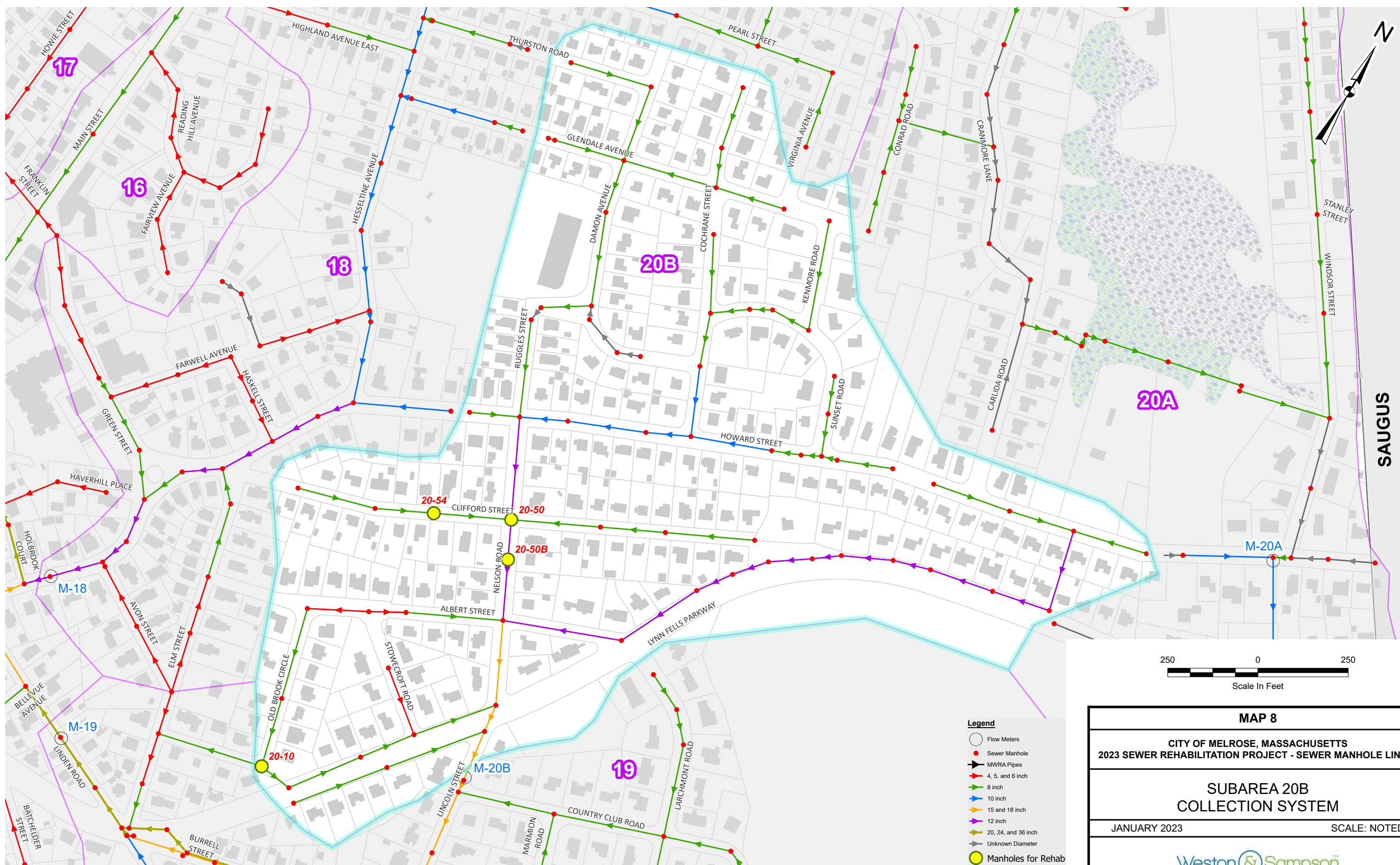
SAUGUS



- Legend**
- Flow Meters
  - Sewer Manhole
  - ▬ MWRA Pipes
  - ▬ 4, 5, and 6 inch
  - ▬ 8 inch
  - ▬ 10 inch
  - ▬ 15 and 18 inch
  - ▬ 12 inch
  - ▬ 20, 24, and 36 inch
  - ▬ Unknown Diameter
  - Manholes for Rehab

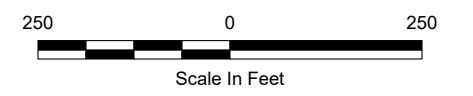
<b>MAP 7</b>	
CITY OF MELROSE, MASSACHUSETTS 2023 SEWER REHABILITATION PROJECT - SEWER MANHOLE LINING	
SUBAREA 20A COLLECTION SYSTEM	
JANUARY 2023	SCALE: NOTED





**Legend**

- Flow Meters
- Sewer Manhole
- MWRA Pipes
- 4, 5, and 6 inch
- 8 inch
- 10 inch
- 15 and 18 inch
- 12 inch
- 20, 24, and 36 inch
- Unknown Diameter
- Manholes for Rehab



**MAP 8**

CITY OF MELROSE, MASSACHUSETTS  
2023 SEWER REHABILITATION PROJECT - SEWER MANHOLE LINING

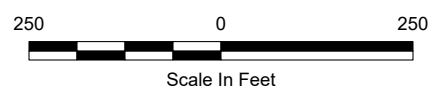
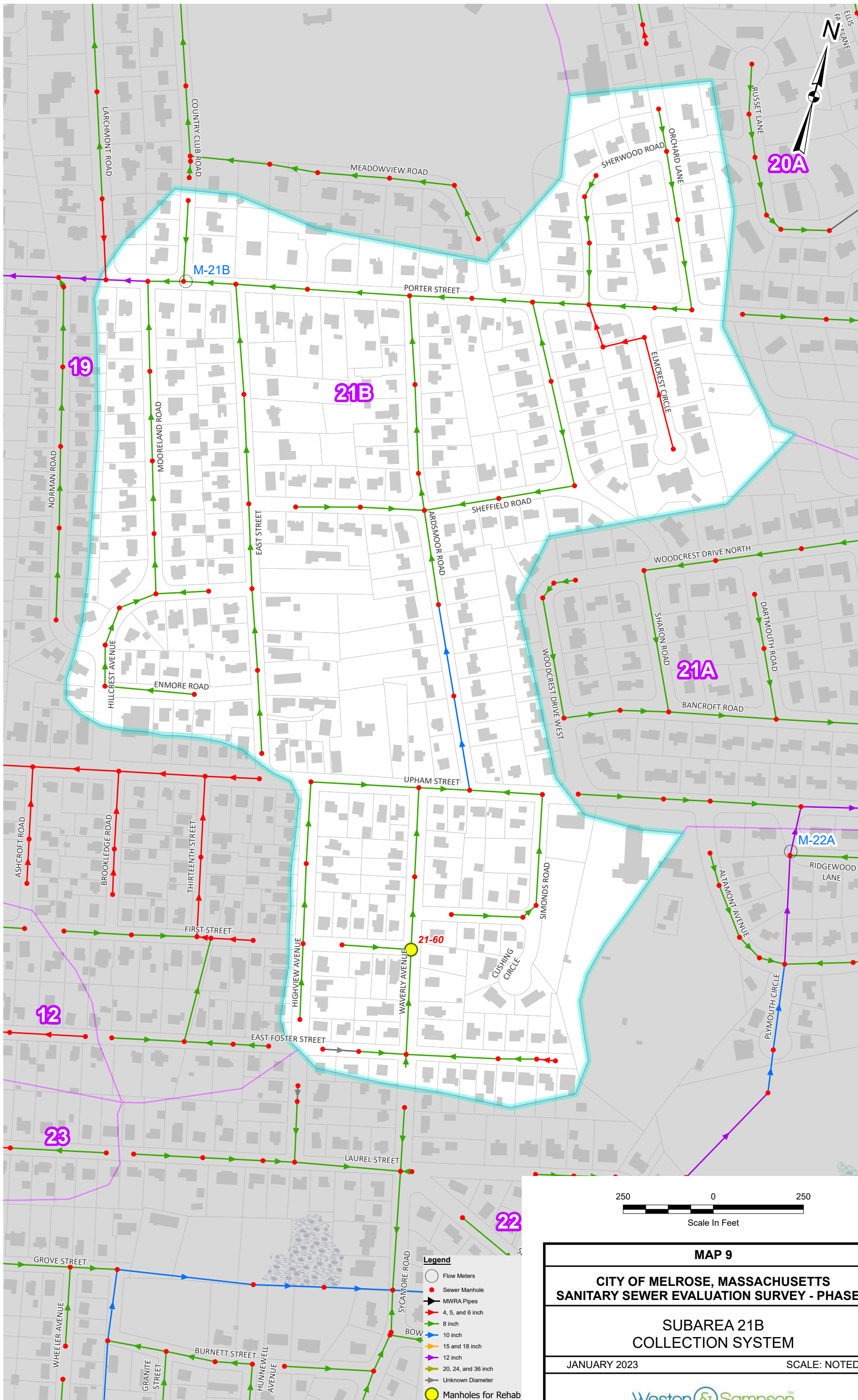
**SUBAREA 20B  
COLLECTION SYSTEM**

JANUARY 2023 SCALE: NOTED

Weston & Sampson

SAUGUS

\\NW11\work\hvac\es\Project\MA\MA\2023\Sewer Manhole Rehabilitation\Figures\2023 New From CD\DWG City Map 11-17 2023.dwg User: hvac\jw Date: 1/25/2023 11:18:48 AM Owner: 1/25/2023 11:18:48 AM



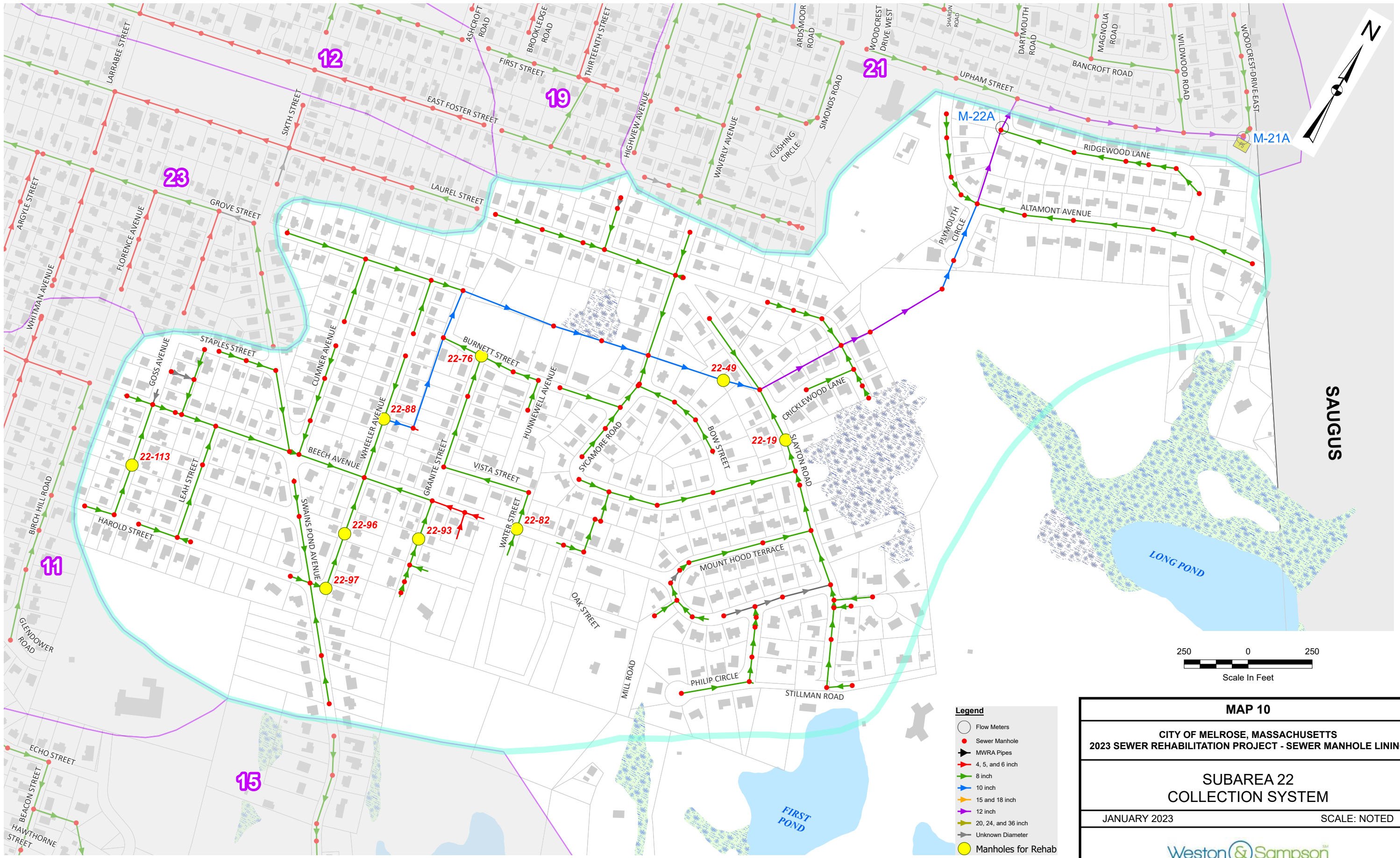
**MAP 9**

**CITY OF MELROSE, MASSACHUSETTS**  
**SANITARY SEWER EVALUATION SURVEY - PHASE 3**

**SUBAREA 21B**  
**COLLECTION SYSTEM**

JANUARY 2023 SCALE: NOTED

- Legend**
- Flow Meters
  - Sewer Manhole
  - MWRA Pipes
  - 4, 5, and 6 inch
  - 8 inch
  - 10 inch
  - 15 and 18 inch
  - 12 inch
  - 20, 24, and 36 inch
  - Unknown Diameter
  - Manholes for Rehab



- Legend**
- Flow Meters
  - Sewer Manhole
  - MWRA Pipes
  - 4, 5, and 6 inch
  - 8 inch
  - 10 inch
  - 15 and 18 inch
  - 12 inch
  - 20, 24, and 36 inch
  - Unknown Diameter
  - Manholes for Rehab

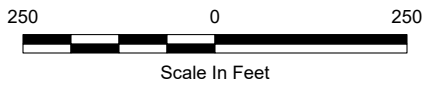
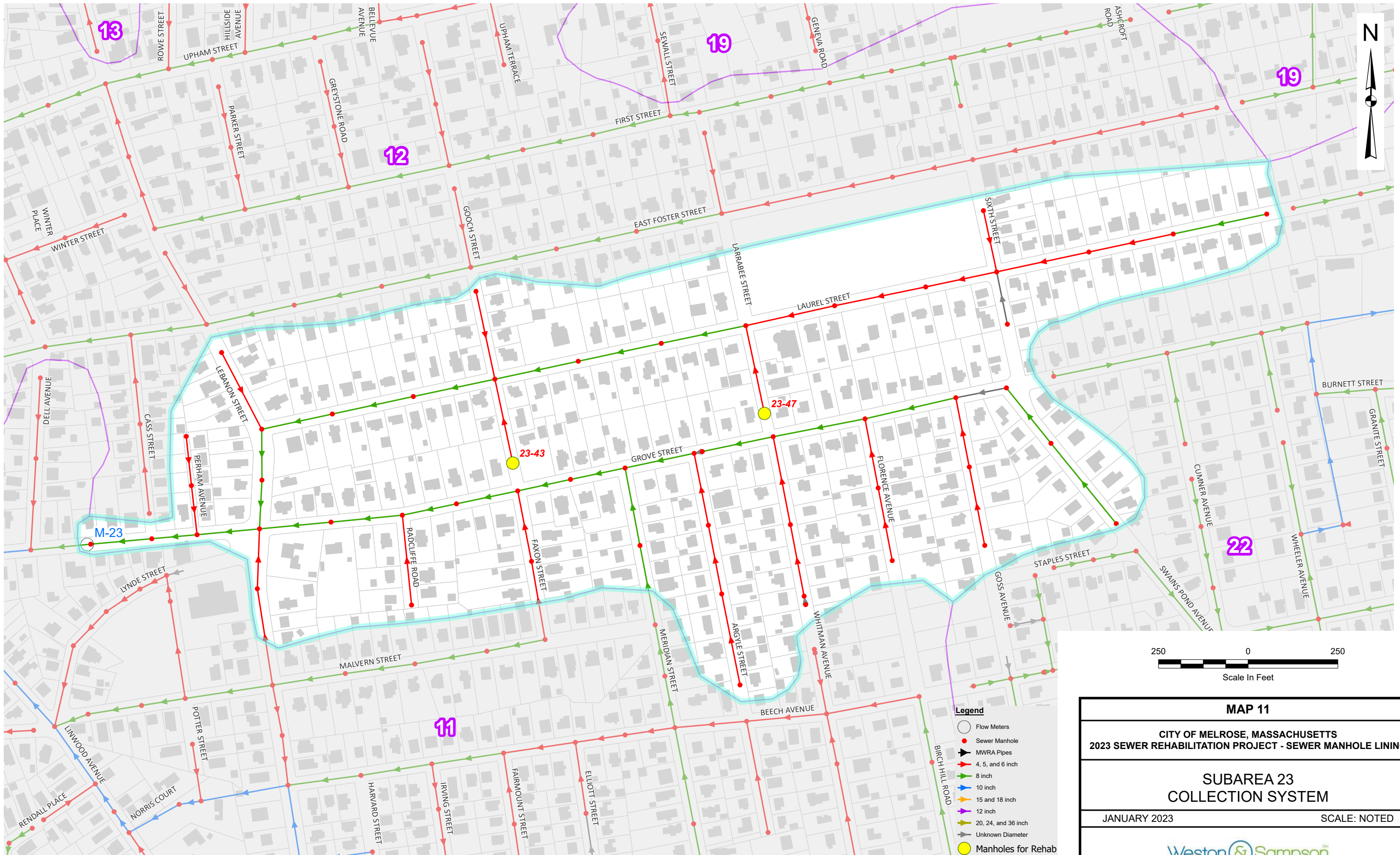
**MAP 10**

**CITY OF MELROSE, MASSACHUSETTS**  
**2023 SEWER REHABILITATION PROJECT - SEWER MANHOLE LINING**

**SUBAREA 22**  
**COLLECTION SYSTEM**

JANUARY 2023 SCALE: NOTED

DATE: 1/10/2023 10:45:00 AM Project: 2023 Sewer Rehabilitation Project Subarea 22 Date: 1/10/2023 10:45:00 AM User: hussain.sayed 1/10/2023 10:45:00 AM Scale: 1:25000.000



<b>MAP 11</b>	
CITY OF MELROSE, MASSACHUSETTS 2023 SEWER REHABILITATION PROJECT - SEWER MANHOLE LINING	
SUBAREA 23 COLLECTION SYSTEM	
JANUARY 2023	SCALE: NOTED

DATE: 1/10/2023 10:45:15 AM PROJECT: 2023 Sewer Manhole Rehabilitation System 2023 Map From: CDH/City Map 1117 Release: 2/2023 User: Hender\_Shand 1/20/2023 10:45:15 AM