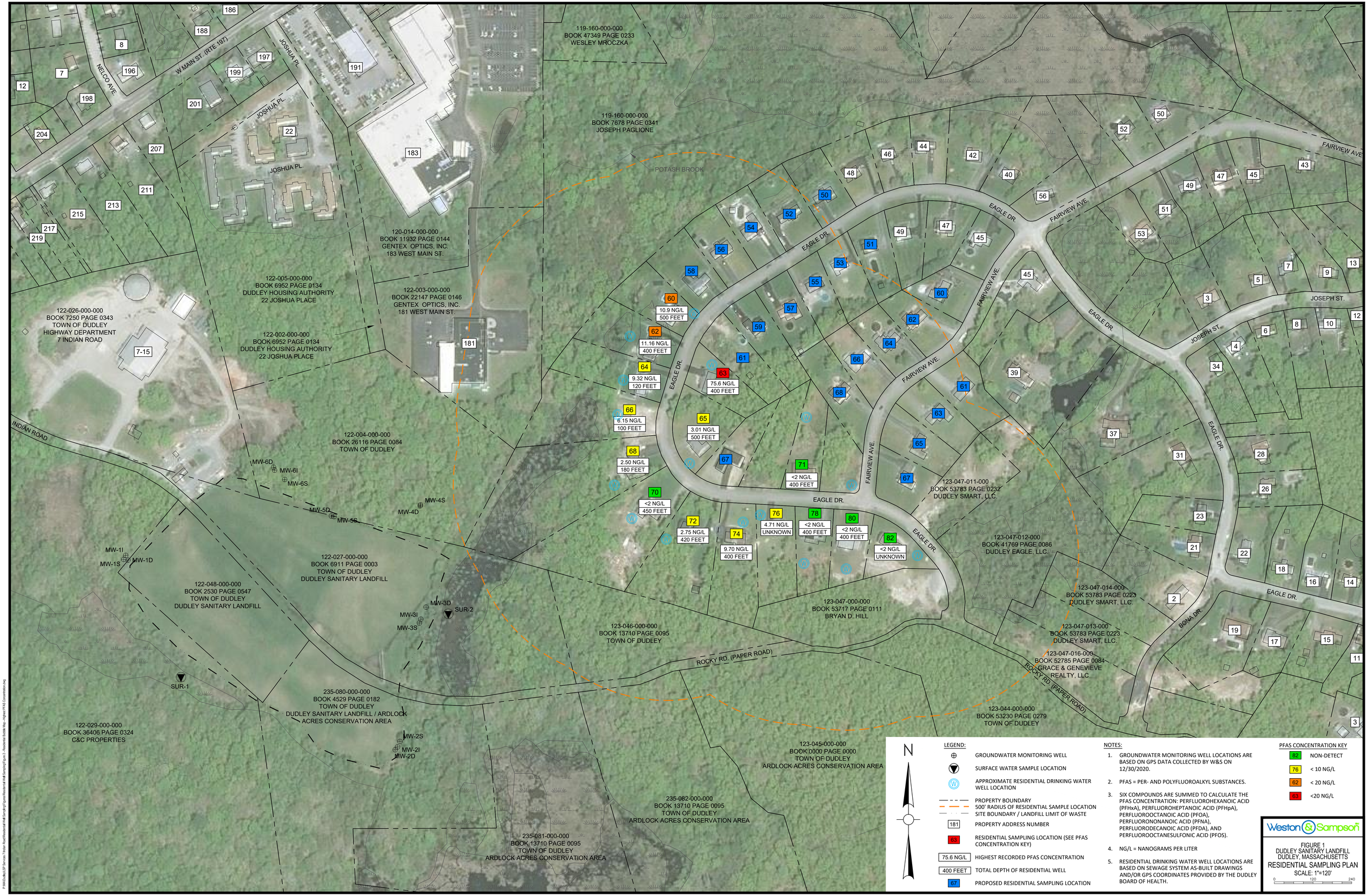

LEGEND:

- GROUNDWATER MONITORING WELL
- SURFACE WATER SAMPLE LOCATION
- APPROXIMATE RESIDENTIAL DRINKING WATER WELL LOCATION
- PROPERTY BOUNDARY
- 500' RADIUS OF RESIDENTIAL SAMPLE LOCATION
- SITE BOUNDARY / LANDFILL LIMIT OF WASTE
- 181 PROPERTY ADDRESS NUMBER
- 63 RESIDENTIAL SAMPLING LOCATION (SEE PFAS CONCENTRATION KEY)
- 75.6 NG/L HIGHEST RECORDED PFAS CONCENTRATION
- 400 FEET TOTAL DEPTH OF RESIDENTIAL WELL
- 67 PROPOSED RESIDENTIAL SAMPLING LOCATION

NOTES:

1. GROUNDWATER MONITORING WELL LOCATIONS ARE BASED ON GPS DATA COLLECTED BY W&S ON 12/30/2020.
2. PFAS = PER- AND POLYFLUOROALKYL SUBSTANCES.
3. SIX COMPOUNDS ARE SUMMED TO CALCULATE THE PFAS CONCENTRATION: PERFLUOROHEXANOIC ACID (PFHxA), PERFLUOROHEPTANOIC ACID (PFHpA), PERFLUOROOCTANOIC ACID (PFOA), PERFLUORONONANOIC ACID (PFNA), PERFLUORODECANOIC ACID (PFDA), AND PERFLUOROOCTANESULFONIC ACID (PFOS).
4. NG/L = NANOGRAMS PER LITER
5. RESIDENTIAL DRINKING WATER WELL LOCATIONS ARE BASED ON SEWAGE SYSTEM AS-BUILT DRAWINGS AND/OR GPS COORDINATES PROVIDED BY THE DUDLEY BOARD OF HEALTH.

PFAS CONCENTRATION KEY

82	NON-DETECT
76	< 10 NG/L
62	< 20 NG/L
63	<20 NG/L

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FIGURE 1
DUDLEY SANITARY LANDFILL
DUDLEY, MASSACHUSETTS
RESIDENTIAL SAMPLING PLAN
SCALE: 1"=120'
0 120 240

P:\MA\Dudley\2P Service 7 Note\ RiverResidential Well Sampling\Figure\Residential Well Sampling\Figure 2 - Residential Mobile Map - Highest PFAS Concentration.mxd

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