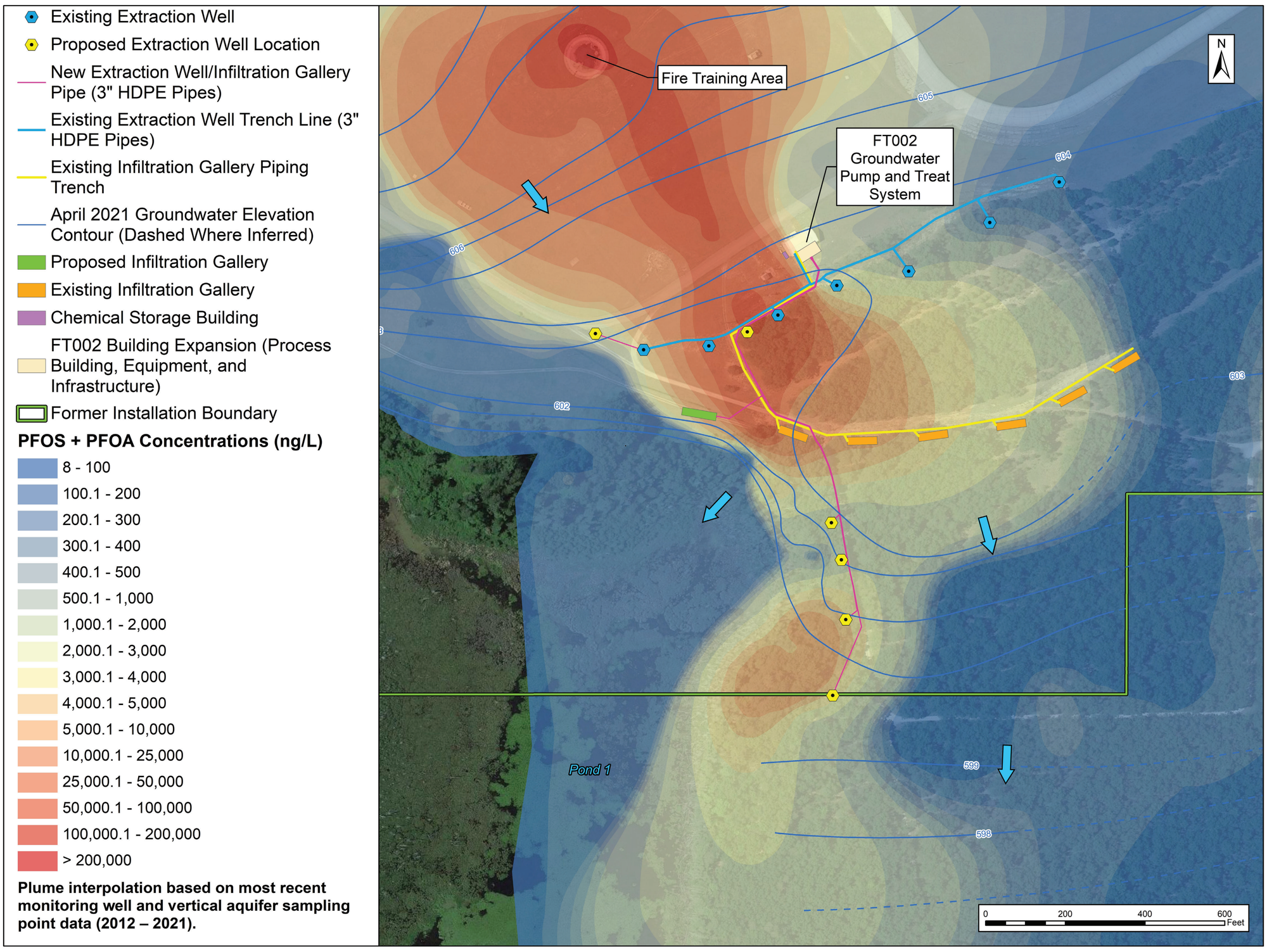
FT002 AT CLARK'S MARSH
THE IRA DESIGN APPROACH

The IRA design approach includes:

- Review of existing data and identifying target capture zones
- Perform modeling scenarios for the placement of new extraction wells
- Consider utility corridors back to treatment plant
- Sample existing wells for parameters that may affect pre-treatment requirements (e.g., iron, manganese, total organic carbon, etc.)
- Ensure compliance with treatment system discharge requirements
- Review lessons learned from the operation of the existing FT002 PTS

The key elements of the IRA based on the evaluations include:

- Installation of 6 new groundwater extraction wells and one additional infiltration gallery
- Installation of three pre-treatment granular activated carbon (GAC) beds
- Installation of a biocide pre-treatment system to suppress biofouling in the GAC beds
- Installation of backwash and settling tanks
- Expansion of the existing FT002 building to provide adequate space for the new equipment



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