#2105197 Algonquin Middle School – Scope of Work

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Preliminary Activities:

- GPR Survey – Completed 11/3 -11/4, 22 boring locations marked out and all utilities in the vicinity of the school
- Access agreement signed by the Superintendent on 10/28

Field Work:

It is requested that all staff check in/out with the Algonquin Middle School Front Office.

Drilling

The drilling is scheduled for 11/10 – 11/16 (excluding weekends) and will include the following:

- CAMP stations, one upwind and one downwind
- Soft dig techniques will be employed at each of the 22 cleared boring locations
- Soil borings will be installed to ~15ft. A representative number of borings across the site may be advanced further than 15 ft to determine the top of bedrock.
    - 3 soil samples will be collected at each boring location for PFAS analysis: 0-2" below vegetative cover, 2-12", and 1 at depth at terminal soil boring extent, refusal, or ~1 ft above the water table (whichever is encountered first)
    - Soil cores will be logged by a geologist or environmental scientist
- If groundwater is encountered, up to 10 locations can be selected for the installation of a 1" temporary well.
    - Groundwater grab samples will be analyzed for PFAS and VOCs
    - Water quality parameters will be recorded at time of sampling. Purging to achieve stable parameters is not necessary for this phase of work.
    - Temporary wells will be pulled after sampling and grouted to the surface

- Drill cuttings will be returned to the respective borehole and/or spread in the vicinity of the borehole (unless grossly contaminated)
- Decon equipment between boring locations

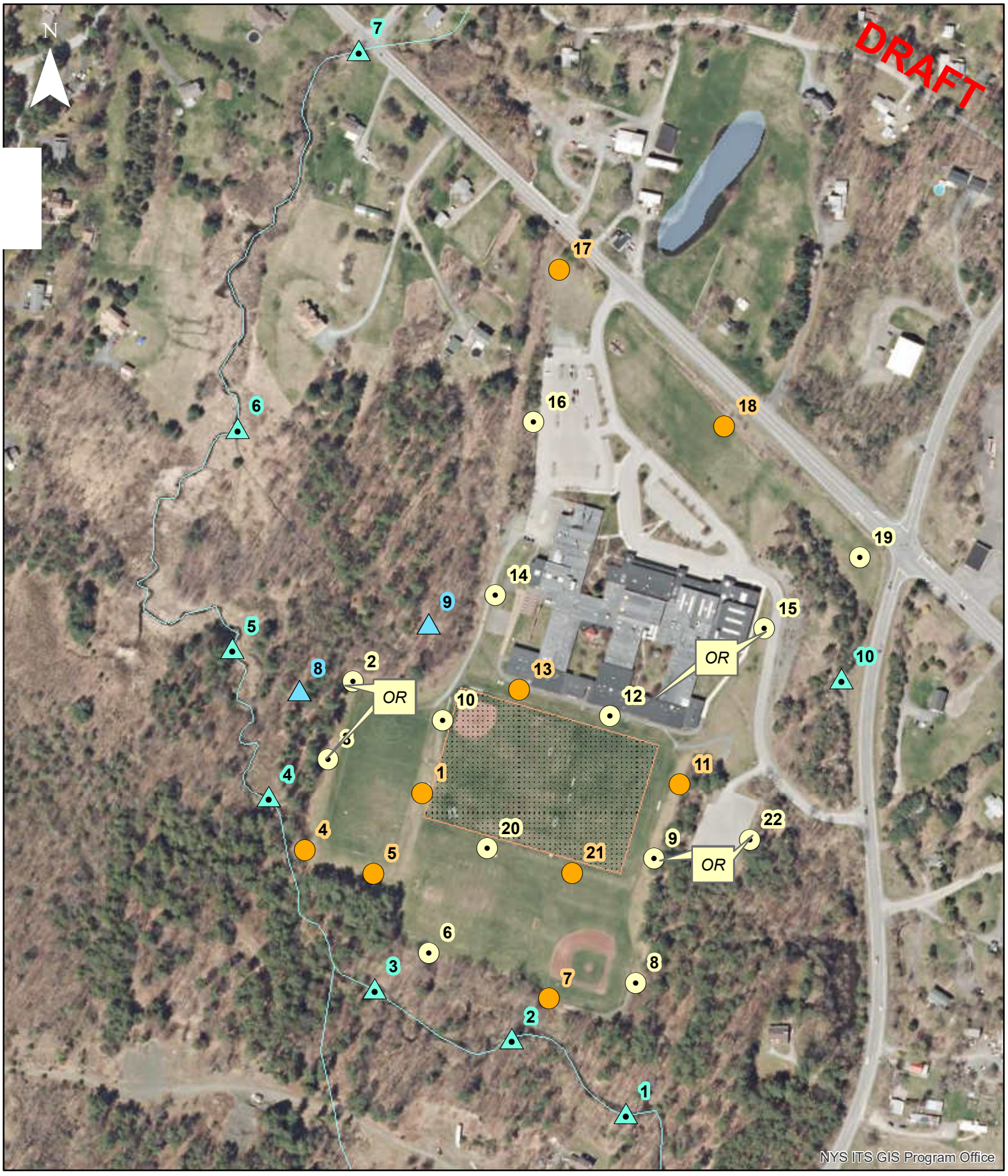
Surface water/sediment sampling

Collection of surface water/sediment samples from the adjacent stream will occur during 11/10-11/16.

- 10 locations have been identified on the sampling figure. Exact locations may be adjusted as needed.

Table 1 Analytical Summary for Algonquin Middle School PFAS Assessment

Analytes	Method	Matrix	Sample Quantity	Field Duplicate	MS	MSD	Equipment Blank	Trip Blank	Total
Soil Borings (3 depth intervals at up to 25 locations)									
PFAS	EPA Method 537.1	SO	75	3	3	3	5		89
Surface Water (Up to 10 locations)									
PFAS	EPA Method 537.1	WS	10	1	1	1	1		14
Sediment (Up to 10 locations)									
PFAS	EPA Method 537.1	SED	10	1	1	1			13
Groundwater (Up to 10 locations)									
TCL VOCs	SW-846 8260C	WG	10	1	1	1		1	14
PFAS	EPA Method 537.1	WG	10	1	1	1	2		15
Decontamination Water									
PFAS	EPA Method 537.1		1	0			0	0	1



Legend

- Approx. Septic System
- Stream
- Soil Boring
- SB/MW
- Surface Water
- Surface Water/Sediment

0 175 350 700 Feet

1 inch = 300 feet