SECTION 16.
WATER SUPPLY

16.1 LOCATION

The water supply system for the Number Nine Wind Farm (Project) will be sited near the Operations and Maintenance (O&M) building in a location with adequate water supply that is more than 100 feet from the wastewater disposal system. The proposed O&M site plan is included in the civil design plans for the Project in Exhibit 1-A, and is included as Exhibit 16-A for reference.

16.2 WATER SUPPLY REQUIREMENTS

The Project will not require water supply for the operation of the wind turbines, the electrical equipment, or the generator lead. The only demand for water at the Project will be at the O&M building, for which it is expected that water usage will be between 200 and 240 gallons per day, based on facility use by 20 employees. A septic system design by a State of Maine Licensed Site Evaluator has been sized to accommodate 240 gallons of flow per day (Section 17). A private well will supply potable water to the O&M building.

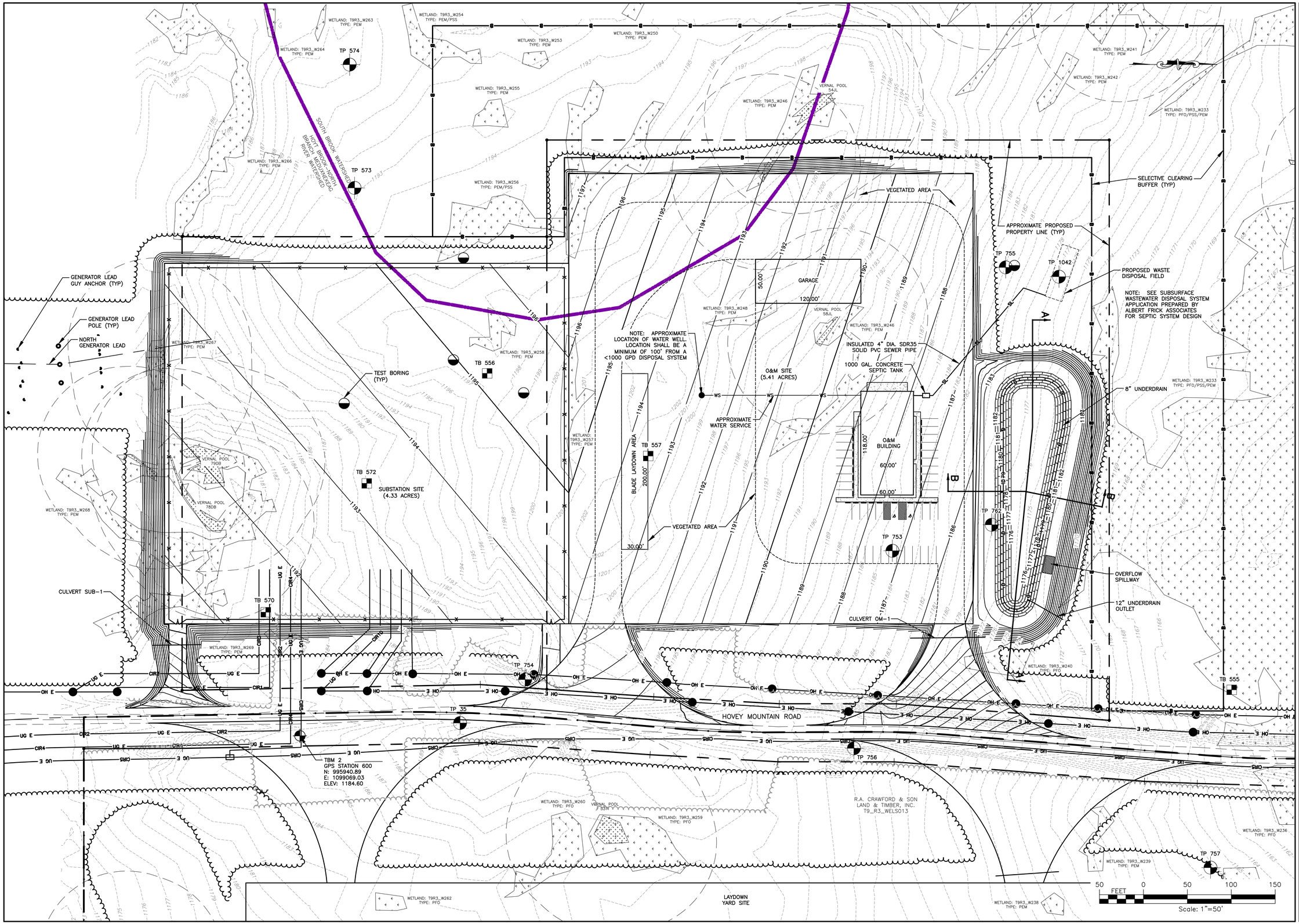
16.2.1 Well Location

The water supply needs for the O&M building can be provided by a single well to be located near the O&M building. Exhibit 16-B includes a letter from Estey Water Wells indicating that bedrock is typical and that a well could be drilled at this location in accordance with state regulations.

16.3 CONSTRUCTION WATER SUPPLY

During construction, the Applicant (or associated contractors) will supply drinking water for workers, water for dust abatement on the gravel access roads, and water for up to 3 concrete batch plants. Drinking water will be provided as bottled water. Water (up to 20,000 gallons per day, spread by tanker trucks) for dust abatement or concrete batch plants will be drawn from publicly accessible, off-site non-potable water sources, such as Number Nine Lake, and will not include streams, brooks, or ground water sources. Surface water withdrawals will be done in accordance with the requirements of 38 MRSA §470-B, and if applicable, pond water level regulations in 06-096 Chapter 587.

EXHIBIT 16-A O&M SITE PLAN (DUPLICATE FROM EXHIBIT 1-B)



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USER: Steven Mellott

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NUMBER NINE WIND FARM

FA PROJECT NO.
140009

PROJECT MANAGER
S. MELLOTT

DRAWN BY
DP/BA

SCALE
AS SHOWN

ISSUE DATE
MAR. 2015

PROJECT
NUMBER NINE WIND FARM
AROOSTOOK COUNTY, MAINE
PRELIMINARY PLANS NOT FOR CONSTRUCTION

TITLE OF DRAWING
SUBSTATION AND O&M SITE PLANS

DRAWING NO.
S105

EXHIBIT 16-B WELL DRILLING SUITABILITY LETTER

Estey Water Wells

48 Wonderview Dr.

Mapleton, Maine

04757

207-764-2660

To : Katie Chapman

Hi Katie with the info that i have of the drill site at the base of Number 9 where the well needs to be drilled. I do not see any problem with drilling a well there. In this area the bedrock typical and should yeld enough water to run the building we just dont know how deep we will have to go.

Thanks

Scott A Estey

Estey Water Wells