

Groundwater Supply – Proposed Arundel 3-Lot Subdivision

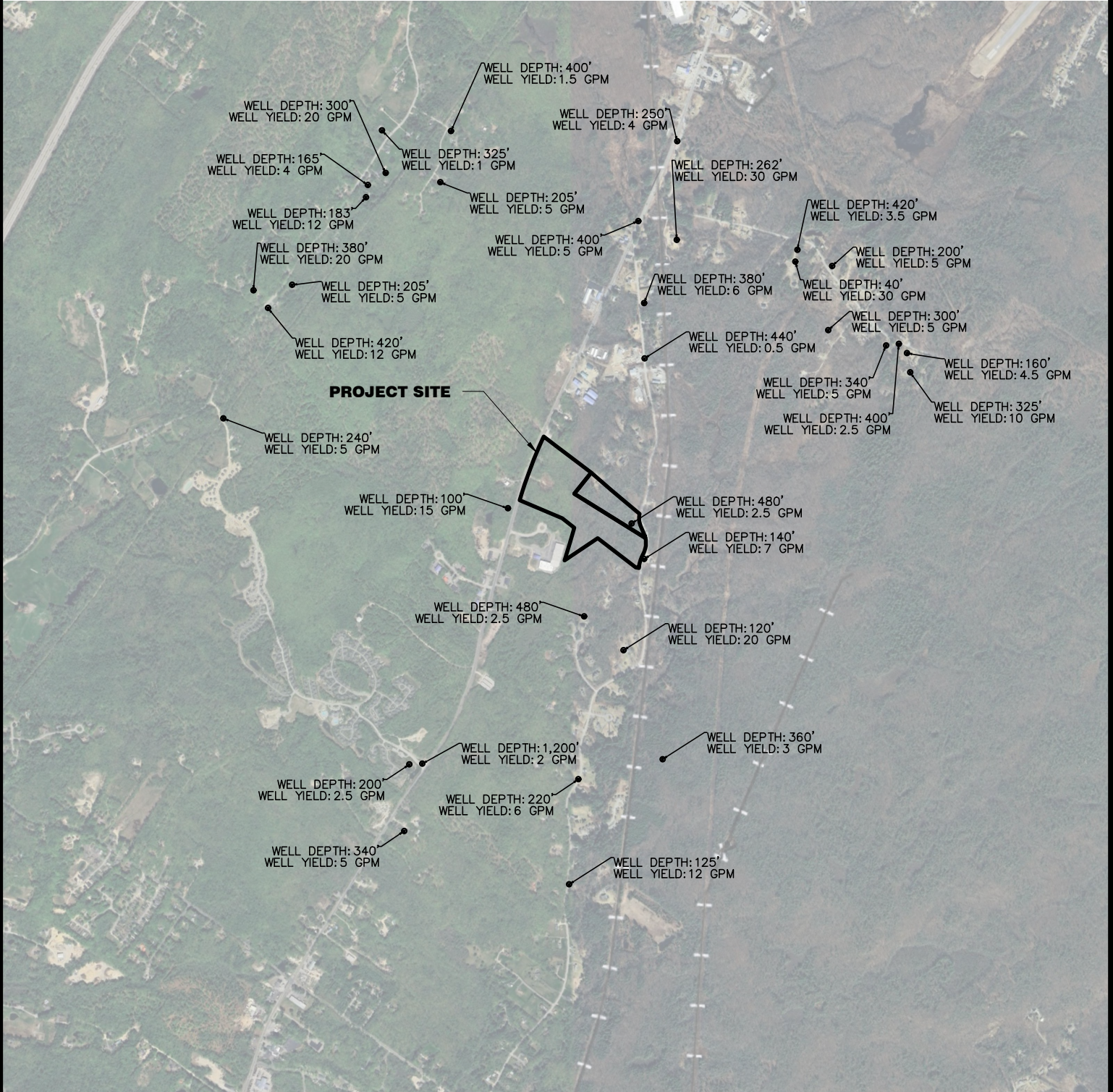
Water Supply Method and Adequacy

The lots will have private drilled bedrock wells for water supply. The wells will be drilled into the underlying bedrock aquifer, which is mapped as Carboniferous-aged granite. Information provided on Maine Geological Survey (MGS) maps relative to existing bedrock water supply wells in the area indicates that thirty-four wells are located within an approximately 1-mile radius of the project site for which well information is available. The wells mapped by the MGS range from about 40 to 1,200 feet in depth, and reported yields range from 0.5 to 30 gallons per minute (gpm); the average of the reported yields is approximately 8.5 gpm.

Based on the above information regarding existing bedrock water supply wells in the area, the bedrock aquifer is likely to have adequate capacity to supply potable water to meet residential demand without resulting in adverse on- or off-site influences such as excessive drawdown.



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Senior Chief Environmental Scientist
2024-08-05



NOT FOR CONSTRUCTION

PROJECT:
PROPOSED ARUNDEL 3-LOT SUBDIVISION
OLD POST ROAD, ARUNDEL, MAINE

DRAWING:
MGS WELL DATA MAP
SCALE: 1" = 2000'

MLDC NO. 24-265
PROJ. MGR: SRD
DRAWN BY: HRD/ERL
CHECKED BY: SRD
REVISION NO. N/A
ISSUE DATE: 2024-08-06
ISSUED FOR: REVIEW

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