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Project Information Sheet

Aberdeen Highlands Subdivision · Aberdeen, Washington

Description: Aberdeen Highlands was a new, three phase, 149 lot subdivision located on the upper hills of Aberdeen in Grays Harbor County. This new development required complete infrastructure layout design for construction including lot layout, a road system, water distribution system, sanitary sewer collection system and storm water collection system. The level of difficulty in layout and design was considerably higher for this project due to the extremely hilly terrain.



BS&A role: Berglund, Schmidt & Associates, Inc. provided all Civil Engineering and Professional Surveying services on this project. Surveying duties included boundary survey, topographic survey as well as the preliminary and final platting. Civil Engineering duties included all road design and utility system designs as described above. Construction management and inspection work was provided throughout the project to ensure the correct installation of all work.

Unique challenges to this project:

- The road system design was carefully calculated to minimize major cut and fill slopes that would potentially have adverse effects on buildable lot sizes.
- Because of the hilly terrain, traditional sanitary sewer collection systems could not be followed. A combination gravity and low-pressure sewer system was developed to collect and convey the wastewater down to the City municipal system.
- Also due to terrain difficulties, the storm water system could not follow the road alignment, as is typically done. Instead, an alternate route was developed to convey all storm water runoff to a location suitable for reintroduction into the natural runoff system of the area.



Berglund, Schmidt and Associates, Inc. is a civil engineering and land surveying firm serving Grays Harbor, Pacific, Mason, and Jefferson Counties since 1956. Our firm provides the skills and services necessary to meet the engineering needs of industry, business and government of local communities. These needs vary from initial feasibility and environmental studies, through permitting and design phases, to construction and project development. Call us today if you need our help.