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City of Anacortes Public Works/Engineering Department
904 6th Street
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Anacortes, WA 98221

Subject: Deviation Request for Island Hospital Sleep Clinic Project at 22nd & N

We are currently nearing completion of design for the subject facility and have encountered an engineering design situation that does not seem to have a good solution that meets all of Anacortes usual requirements.

There is an alley on the east side of the subject property, which the city would like paved along the frontage of the project property. The alley slopes down to the north and is approximately 1.5' lower at the north property line, than the street gutter elevation where the alley connects to 22nd. Therefore surface drainage will not work.

There is a storm catch basin on the north side of 22nd a half block east of the property, but a line from this project to that catch basin would have a slope of 0.3%. This is flatter than most jurisdictions will allow.

There is a storm line across 22nd on the south side of the street. There is also an 8" AC water line very near and above the storm line. Given the fragile nature of many of these AC lines we would like to avoid opening an excavation with this line running through it in some temporarily supported fashion. The depth of the storm line dictates a need to shore the excavation, adding another complication to the scenario involving the AC water line. In deep excavations two blocks south of this location we have encountered large volumes of ground water. This is also a concern.

We ask that the alley remain unpaved and that we add some depth of crushed rock to facilitate dispersion of runoff into the ground just as it presently occurs. There are no current signs of either water accumulation or erosion. There is currently a clay tile sanitary sewer in this alley, which presumably will be upgraded at some future date. There are seven parking spaces planned next to the alley for this project. As those spaces follow the grade of the alley, their runoff would find it's way into the crushed rock as well.

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The owners of this project would participate in the expense of paving the alley at some future date when a comprehensive drainage solution is implemented.

Thank you for your consideration of this matter. We look forward to hearing from you.

Sincerely

Michael E. Ruthford, P.E., P.L.S.