



URBAN DEVELOPMENT INSTITUTE- OKANAGAN CHAPTER

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May 29, 2020

City of Kelowna
1435 Water Street
Kelowna, BC, V1Y 1J4

Attention: James Kay

Subject: Lift Stations

Thank you for sending along the draft Lift Station Drawings to UDI Okanagan for review and feedback.

Our Technical Issues Committee has reviewed the draft drawings and believes that overall the drawings look good. Below are some recommended changes, general comments and questions that our committee would like to put forward for your consideration.

Recommended changes, comments and questions:

- The City requires room for both a vacuum truck and a service truck at the same time within the fenced compound and this takes up a lot of room. UDI recommends that the City not require an additional parking spot for the vacuum truck within the compound if the wet well for the lift station is close enough to the road that a vacuum truck can access it from the curbside.
- UDI recommends that the City look at tightening up the offset from the location of the lift station relative to the stalls.
- Rather than a recommended site layout, setbacks required for each component would be preferred. Stations are different sizes depending on pumping requirements.
- When lift stations are used on hillside developments the site plan does not accommodate for topographic challenges.
- Street parking should be dependent on the road classification and site constraints.
 - Perhaps asphalt could be widened into BLVD widths to provide some sense of protection when parking on the streets.
- The City is encouraged to put in more criteria around what the elevations above grade should be and this should be tied to floodplane, drainage, clearance, etc.

- The City currently uses radio signals for all LS wireless communications. Will the City be considering a move to using telecommunications in the future? This would be a superior product as radio signals require clear sightline to antennas. Sites in the future may require additional offsite antennas to allow radio connectivity.

Thank you for considering our recommendations. We would be happy to meet with you to discuss our comments and recommendations further if you would like.

Sincerely,

URBAN DEVELOPMENT INSTITUTE OKANAGAN CHAPTER

Per:

Jennifer Dixon, Executive Director of UDI Okanagan

Rich Threlfall, Chair of UDI Okanagan

