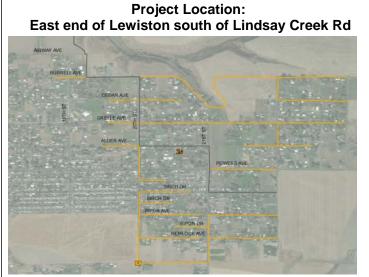
## Wastewater Capital Improvements Project East Orchards Sewer Extension Phase 2 and 3

## Project Identifier: 2c and 3e

Objective: To address high nitrate concerns and eliminate septic systems.

Potential Issues:

 Extending services to approximately 550 local home owners (for planning purposes included only cost to stub for ROW -- property owner to extend to home)
Potential grant funding assistance should be explored
Project could be implemented in phases.
Final alignments to be determined during desing phase



| Items                                         | Unit        |    | Unit Price | Estimated Quantity | Estimated Cost<br>(2017) |           |
|-----------------------------------------------|-------------|----|------------|--------------------|--------------------------|-----------|
| 8-inch Pipe - Excavation, Backfill            | LF          | \$ | 62         | 29,939             | \$                       | 1,856,218 |
| Manholes - 48"                                | EA          | \$ | 3,000      | 86                 | \$                       | 256,800   |
| Existing Utility Protection                   | LF          | \$ | 4          | 7,120              | \$                       | 28,480    |
| Half Lane Pavement Repair                     | LF          | \$ | 25         | 7,120              | \$                       | 178,000   |
| Miscellaneous Surface Repair                  | LF          | \$ | 5          | 22,819             | \$                       | 114,095   |
| Traffic Control - Without Flagging            | LF          | \$ | 4          | 7,120              | \$                       | 28,480    |
| Service Stub to property line                 | EA          | \$ | 1,000      | 550                | \$                       | 550,000   |
| Smaller Lift Station                          | LS          | \$ | 450,000    | 1                  | \$                       | 450,000   |
| Subtotal                                      |             |    |            |                    | \$                       | 3,462,073 |
| Mobilization - Percent of Item Cost Sum       | %           |    | 10%        |                    | \$                       | 346,207   |
| Contingency - % of construction costs         | %           |    | 30%        |                    | \$                       | 1,038,622 |
| Total Construction Costs                      |             |    |            |                    | \$                       | 4,846,902 |
| Easement/Permitting Support                   | LS          | \$ | 12,500     |                    | \$                       | 12,500    |
| Geotechnical Support                          | LS          | \$ | 10,000     |                    | \$                       | 10,000    |
| Lift Station Site Purchase                    | LS          | \$ | 40,000     |                    | \$                       | 40,000    |
| Engineering and CMS - % of construction costs | %           |    | 20%        |                    | \$                       | 969,380   |
| Total Estimated Cost (rounded)                | \$5,879,000 |    |            |                    |                          |           |

The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our opinion of probable costs at this time and is subject to change as the project design matures. Keller Associates has no control over variances in the cost of labor, materials, equipment, services provided by others, contractor's methods of determining prices, competitive bidding or market conditions, practices or bidding strategies. Keller Associates cannot and does not warrant or guarantee that proposals, bids, or actual construction costs will not vary from the cost presented herein.