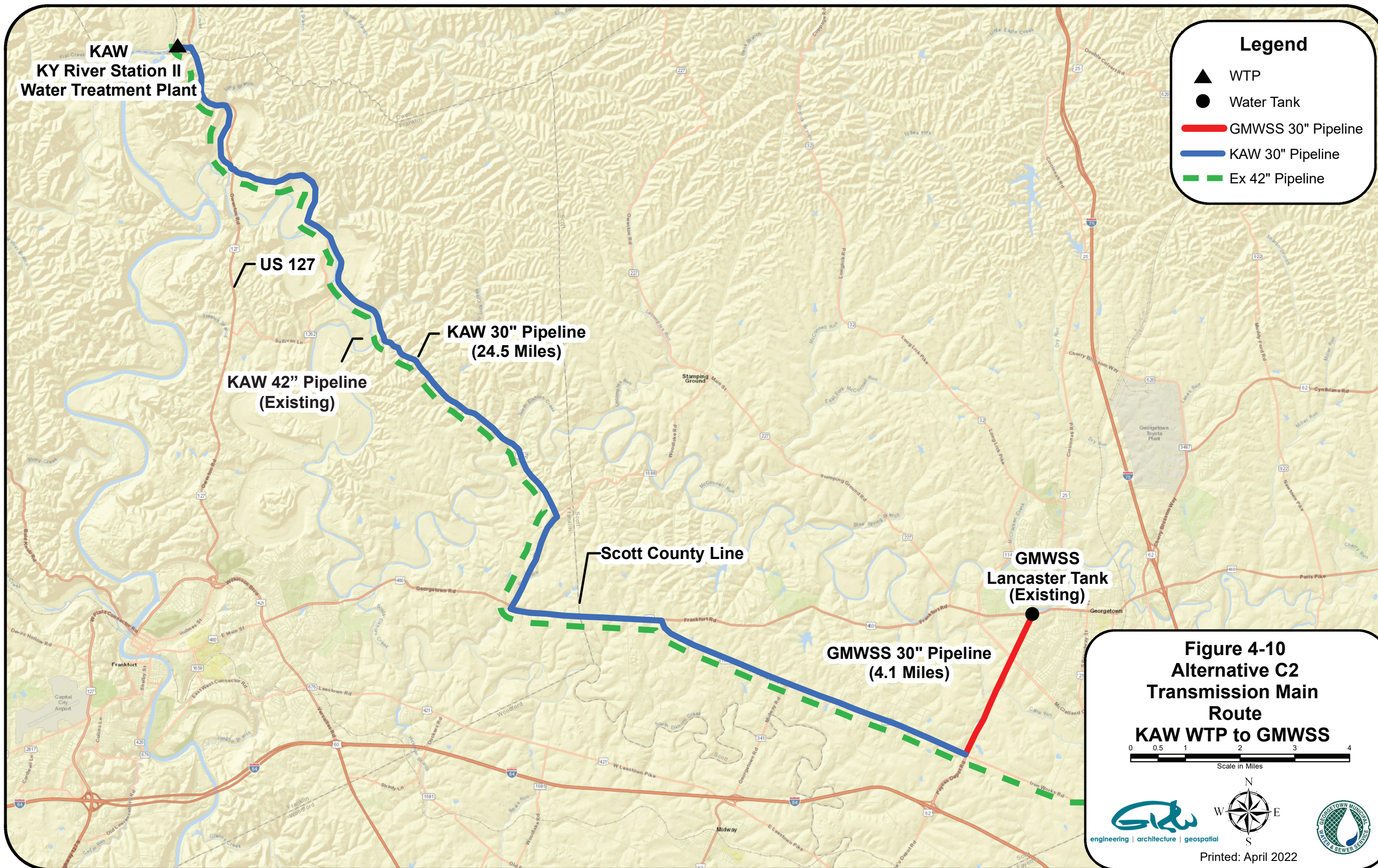




For Alternatives C1 and C2, the GMWSS capital costs in Scott County will include the 4.1-mile-long transmission main in Scott County to the Lancaster Tank and an associated booster pump station.

LWC – Alternative D

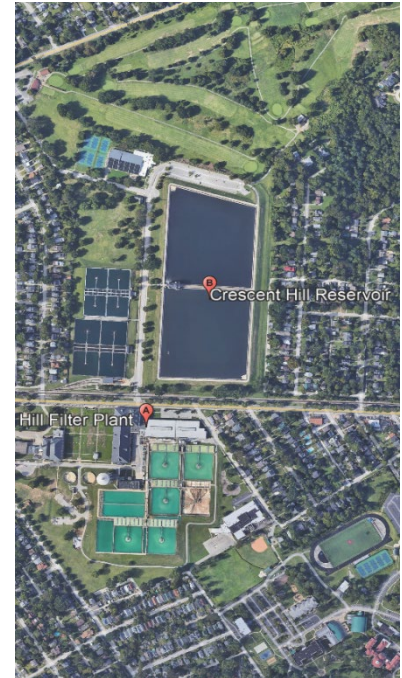
Under this approach, the existing spring and GMWSS WTP will no longer be used, and all future GMWSS water demands will be met via a purchase agreement with LWC.

LWC provides water from its 123 MGD Crescent Hill WTP east of downtown Louisville (see Figure 4-11) to more than 800,000 people in Jefferson, Oldham, and Bullitt Counties, and wholesale customers in Shelby, Spencer, and Nelson Counties.

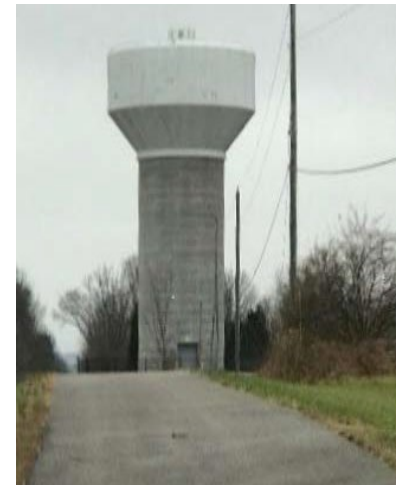
This WTP draws water from the Ohio River, from a pool formed between McAlpine Locks and Dam (near the Falls of the Ohio) and Markland Locks and Dam (near Warsaw). LWC has indicated its water system includes available excess plant capacity such that no additional expansion of its treatment facilities is required to meet the water demands of GMWSS.

Under this alternative, GMWSS will be supplied from LWC's Clark Station Road water storage tank located at the eastern-most edge of Jefferson County (see Figure 4-12). A new 51.4-mile-long, 30-inch water transmission main will be required to convey the water to Scott County (see Figure 4-13).

This approach calls for LWC to provide the 30-inch main on private right-of-way along the northern side of I-64 to Frankfort, where it will weave through the city to a location along Johnson Road, then cross beneath the Kentucky River. the Kentucky River. Thereafter, the main will continue down Glenn Creek's Road to McCracken Pike, Duncan Road and across Frankfort Pike (US 60). In Scott County, GMWSS will provide a 6.2-mile long 30-inch transmission main to a new elevated water storage tank at Payne's Depot and a new booster pump station.



**Figure 4-11 – Alternative D
LWC Crescent Hill WTP**



**Figure 4-12 – Alternative D
LWC Clark Station Road
Water Tank**