

APPENDIX K

December 9, 2009

Bill Magdych Associates
8724 Villa La Jolla Drive #90
La Jolla, CA 92037

Gregory Canyon Ltd.
160 Industrial St. Suite 200
San Marcos, CA 92078

Subject: Letter Report regarding construction of three new groundwater wells and use of three existing wells for the Gregory Canyon Landfill Project

To Gregory Canyon Ltd.:

Gregory Canyon Ltd. proposes to construct three additional sets of groundwater wells, and to access three existing wells for the Gregory Canyon Landfill Project. The locations of these wells are shown in Attachment A to this letter report. One well set will be located near the western edge of Borrow/Stockpile Area A for the landfill. Access to this well set and the path for a new pipeline will be along the already permitted road access to, or within, Borrow/Stockpile Area A. A second well set will be located near the western edge and within Borrow/Stockpile Area B for the landfill. Access to this well and the path for a new pipeline will be along the already permitted road access to, or within, Borrow/Stockpile Area B. The third well set will be located north of SR 76 in an existing area disturbed by prior development of homes. Access to this well set will be from SR 76 along existing developed access to the old housing area. The pipeline from this well set will cross SR 76 to the south, then cross the San Luis Rey River by attachment to the bridge that will span the river. The three existing wells are located in close proximity on developed land for the former Lucio Dairy. The pipeline from these wells will cross the San Luis Rey River by attachment to the bridge that will span the river.

Existing Conditions

The existing land in Borrow/Stockpile Area A is disturbed by prior agricultural uses and does not support native vegetation habitat in the location of the groundwater well. Coastal sage scrub (CSS) habitat occurs in other portions of Borrow Area A; however, impacts on this habitat have already been addressed in the project's Revised Final Environmental Impact Report (RFEIR) (San Diego County Department of Environmental Health 2007). Therefore, the baseline for consideration of this new groundwater well is developed land (i.e., the developed Borrow/Stockpile Area A). Developed Borrow Area A will not provide sustainable habitat for wildlife species under this baseline condition for the groundwater well. The access road that the pipeline will run within already exists and is developed land. The pipeline will extend within the new access road to the landfill facilities.

The existing land in Borrow/Stockpile Area B is CSS with some live oak woodland (LOW); however, impacts on this habitat have already been addressed in the RFEIR. Therefore, the baseline for consideration of this new groundwater well, including the pipeline path is developed land (i.e., the developed Borrow/Stockpile Area B). Developed Borrow Area B will not provide sustainable habitat for wildlife species under this baseline condition for the groundwater well.

The developed housing area north of SR 76 does not support native vegetation habitat and is developed land. This developed land does not provide sustainable habitat for wildlife species. The pipeline path south of SR 76 will traverse the existing developed former dairy yard to the river. The pipeline path south of the river is through existing non-native grassland, but within the existing approved landfill access road such that the baseline condition for this portion of the pipeline will be developed land.

The former Lucio Dairy is developed land, which includes the location of the three existing wells. This developed land does not provide sustainable habitat for wildlife species. The pipeline from these wells will be through this developed land to the river. The pipeline path south of the river is through existing non-native grassland, but within the existing approved landfill access road such that the baseline condition for this portion of the pipeline will be developed land.

The three existing wells, and a portion of the pipelines from those existing wells, are located within the area designated for habitat creation or enhancement, in accordance with the RFEIR.

Impacts

Installation of the new groundwater well sets, approach roads, pipelines, utilities, and other potential associated features associated with Borrow/Stockpile Areas A and B will be on land that will already be disturbed by prior approved landfill activities. Therefore, no additional impact on vegetation habitats beyond those already described in the project's RPFEIR will result from installation of these wells. Operation of these wells will be within these existing, prior approved disturbed areas, and operation will be limited to routine maintenance that will not result in substantial activity, and would include only occasional human presence or access via vehicles such as pickup trucks. Little or no additional noise generation will result from construction or operation of these wells, and no additional lighting will be required. The wells will use submersible electric pumps, which will not cause noise or air quality impact. Noise generated during construction and operations will not exceed existing projected levels and will not adversely affect potential wildlife in adjacent lands. Therefore, no additional adverse effect (whether direct, indirect, or cumulative) is expected to result from these wells.

Installation of the new groundwater well set, approach road, pipeline, utility, and other potential associated features associated with the well north of SR 76 will be on land that is already disturbed by development. Therefore, no additional impact on vegetation habitats beyond those already described in the project's RFEIR will result from

installation of this well. Operation of this well will be within this existing disturbed area and operation will be limited to routine maintenance that will not result in substantial activity, and would include only occasional human presence or access via vehicles such as pickup trucks. The wells will use submersible electric pumps, which will not cause noise or air quality impact. Little or no additional noise generation will result from construction or operation of these wells, and no additional lighting will be required. Noise generated during construction and operations will not exceed existing projected levels and will not adversely affect potential wildlife in adjacent lands. Therefore, no additional adverse effect (whether direct, indirect, or cumulative) is expected to result from this well.

The existing wells and pipeline are in developed land and lands already approved for development for the landfill. Therefore, no additional impact on vegetation habitats beyond those already described in the project's RPFEIR will result from use of these wells. Operation of these wells will be within this existing disturbed area and operation will be limited to routine maintenance that will not result in substantial activity, and would include only occasional human presence or access via vehicles such as pickup trucks. The wells will use submersible electric pumps, which will not cause noise or air quality impact. Little or no additional noise generation will result from construction or operation of these wells, and no additional lighting will be required. Noise generated during construction and operations will not exceed existing projected levels and will not adversely affect potential wildlife in adjacent lands. Therefore, no additional adverse effect (whether direct, indirect, or cumulative) is expected to result from these wells.

The three existing wells and a portion of the pipelines from these wells are located within areas proposed for habitat creation in accordance with the RFEIR. In addition, the pipeline from the well set located north of R76 is located within the area proposed for habitat creation. For this reason, it is recommended that these pipelines be constructed below ground to the extent they are located outside of the landfill access road right of way. Maintenance activities related to these wells and pipelines, as discussed above, will not be substantial, and would not result in a substantial increase in human presence already anticipated for purposes of monitoring and maintenance of the habitat creation and enhancement areas. To the extent that maintenance activities result in temporary disturbance of native vegetation, it is recommended that the operator promptly repair any such damage through either re-planting or re-establishment of native vegetation, as needed.

Mitigation

No additional mitigation is required because construction and operation of these three wells will not result in adverse or significant impacts beyond those assessed in the projects RPFEIR. Mitigation measures described in the RPFEIR will compensate for potential impacts from these wells. However, while not required to mitigate for any potentially significant impacts, the above recommendations should be incorporated as project design features.

Conclusion

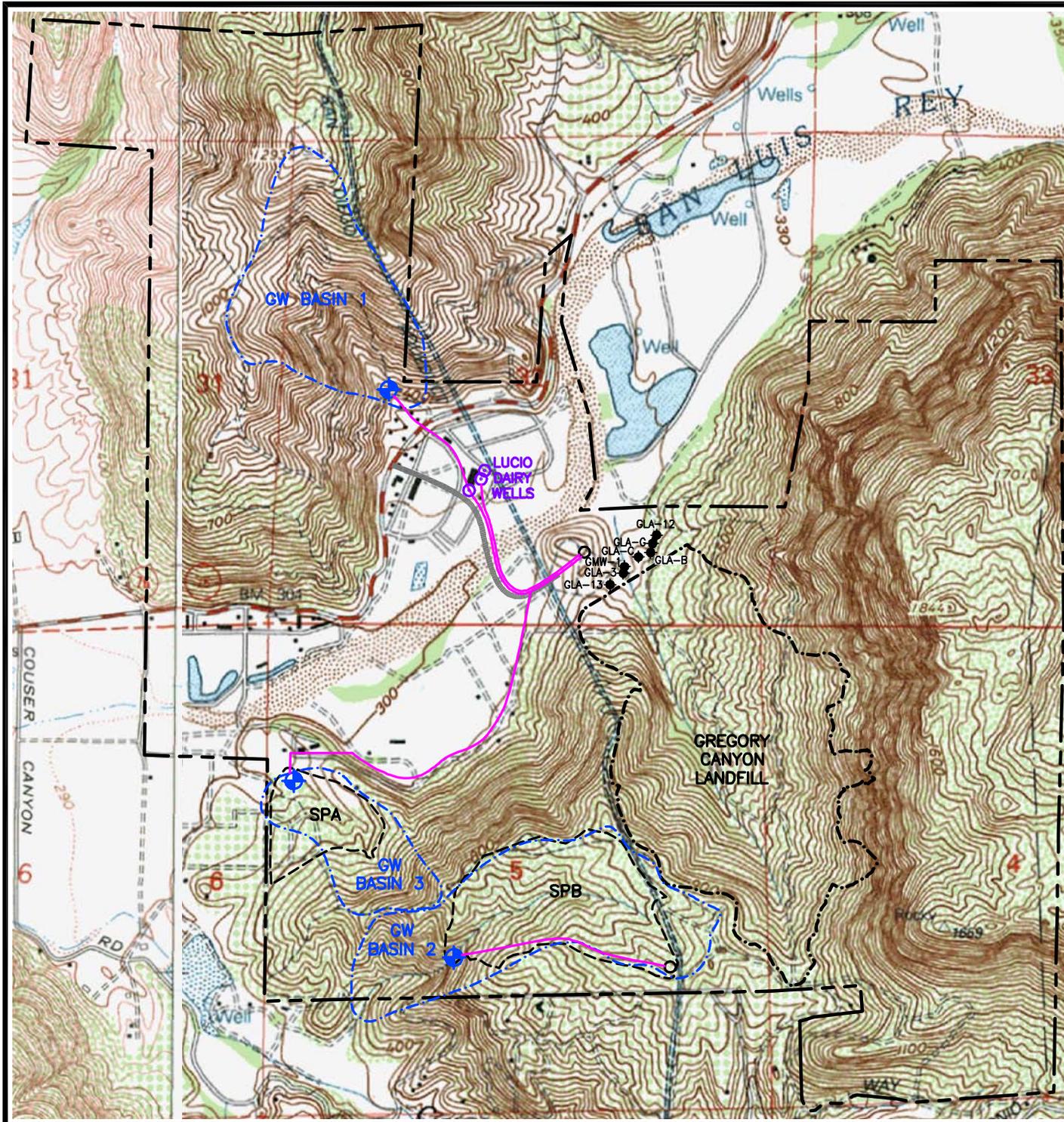
Construction and operation of these wells will not result in additional adverse or significant impacts on biological resources beyond those already addressed in the project's RPFEIR. No additional mitigation measures are required. However, certain recommendations, discussed above, should be included as project design features.

Sincerely,

A handwritten signature in black ink, appearing to read "Bill Magdych". The signature is written in a cursive style with a large, sweeping initial "B".

Bill Magdych, Ph.D.

Attachment A
Locations of New Groundwater Wells



EXPLANATION:

- ◆ PERCOLATING GROUNDWATER WELL
- RIPARIAN GROUNDWATER WELL
- ⊕ PROPOSED PERCOLATING GROUNDWATER WELL
- WATER TANK(S) LOCATION
- PROPOSED PIPELINE ROUTE
- ACCESS ROAD
- - - STOCKPILE AREA BOUNDARY
- · - · - APPROXIMATE LIMIT OF GROUNDWATER BASIN
- · - · - LANDFILL LIMIT
- - - PROPERTY BOUNDARY

REFERENCE: USGS 7.5 MINUTE SERIES (TOPOGRAPHIC) PALA (1997) AND BONSALL (1975) CALIFORNIA QUADRANGLES

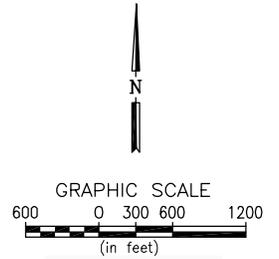


FIGURE 1

PROPOSED ON-SITE PUMPING WELLS		
GREGORY CANYON LANDFILL SAN DIEGO COUNTY CALIFORNIA		
 GeoLogic Associates Geologists, Hydrogeologists, and Engineers		
DRAWN BY: VL	DATE: DECEMBER 2009	JOB NO. 9539