

- The overall volume of imported fill and exported soil, and the associated truck trips, will increase due to the removal of unstable soils associated with the mapped landslides, soils deemed unsuitable for on-site reuse as fill, and the resulting need to import suitable fill materials. While the new circumstances and assumptions are a direct result of the implementation of Mitigation Measure GEO-2b, the number of construction truck trips is greater than that considered in the EIR and its supporting air quality modeling.
- The need for a greater amount of cut and fill on Lots 5 through 8 has extended the time during which construction activities will occur on Lots 5 through 8. As a result, the construction schedule assumption in the EIR for the duration of construction activities, i.e., an approximately 3- to-5-week period, has increased to accommodate the amount of site grading and other construction to an approximately 10-week period.

As described in the EIR, Lots 5 through 8 are located along the north side of Ticonderoga Drive on steeply sloping woodland and grassland with a moderately dense growth of coast live oak trees and other trees, such as California bay and toyon, as well as grasses and shrubs. The lots are bounded by residential development to the west and north, undeveloped land to the east, and Ticonderoga Drive on the south.

Table 2: Changes to Proposed Earthwork for Lots 5 through 8 presents the revisions to the proposed earthwork for Lots 5 through 8 compared to that under the approved project.

Table 2: Changes to Proposed Earthwork for Lots 5 through 8

Area	Approved Cut (cy)	Approved Fill (cy)	Revised Cut (cy)	Revised Fill (cy)	Revised Cut after Balance (cy)	Cut for Landslide Mitigation (cy)	Change in Cut (cy)
Lots 5–8	4,700	700	5,230	320	4,910	2,880	+7,790
TOTAL	4,700	700^A	5,230	320	4,910	2,880	+7,790

Notes: cy = cubic yards

^A Includes 200 cubic yards of drain rock for Lots 5–8.

Source: County of San Mateo, Highland Estates Recirculated Draft EIR, September 2009, pp. 3.0-23, 3.0-29, and 4.4-31; Board Staff Report, April 12, 2010, Table 8-Changes to Proposed Earthwork, pp. 28–29; BKF Engineers, Inc., Technical Memorandum re: Grading Associated with Highland Estates Lots 5 through 11, March 7, 2019; and County of San Mateo, Spreadsheet for Grading for Chamberlain Project Lots 5-8 June 25, 2020.

The grading activities necessary to prepare the lots for the building pads and provide slope stability for home foundations include excavation and stockpiling of soils for reuse as compacted fill; creation of engineered slopes and stepped foundations; and installation of retaining walls. Piers drilled into the underlying bedrock would be installed for each lot to provide slope stability for the future homes and retaining walls that would be built. These same construction activities would continue to be used; however, for development to be safely undertaken on Lots 5 through 8, revisions to the project require an increased volume of earthwork to remove the two mapped landslides and the existing fills within the location of proposed improvements and to provide stable slopes for construction. With Lots 1 through 4 and Lots 9 through 11 completed and near completion, respectively, and limited balancing opportunities between Lots 5 through 8 (approximately 320 cy), the proposed changes translate into the generation of 7,790 cy of cut soils requiring approximately 650 construction truck trips (1,300 one-way trips) for