

Soil Stockpile Reduction At The Brisbane Baylands

Railyard Remediation and Landfill Closure Timeline

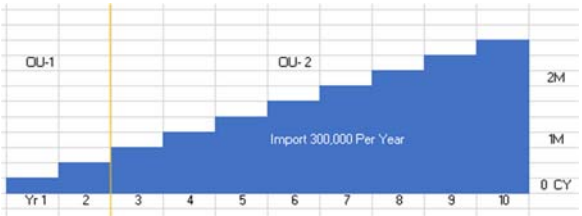
January 2018

Soil Stockpile Reduction at the Brisbane Baylands

Railyard Remediation and Landfill Closure Timeline

Railyard – Earthwork / Remediation

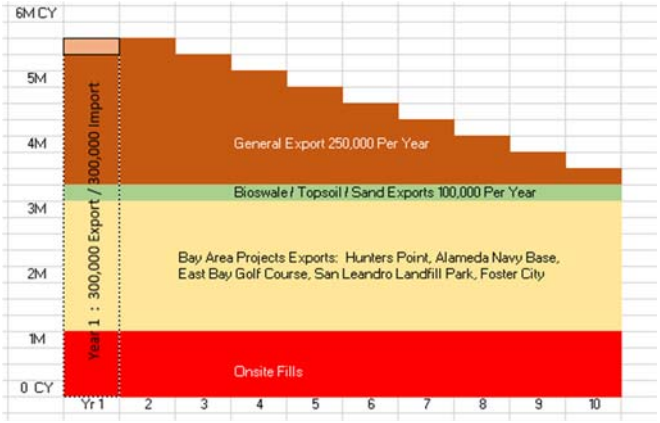
Section 4 Site Grading of the 2011 Brisbane Baylands Infrastructure Plan discusses proposed grading of both the Landfill area and the former Railyard. The Railyard requires 2,600,000 cubic yards (CY) of soil material to be imported. Earthwork will be performed in conjunction with remedial activities to be approved by the DTSC and the Waterboard. An effort to develop a Remedial Action Plan (RAP) for OU-1 (the northern 35 Acres of the Railyard) has been initiated with the DTSC. It is assumed that a RAP can be approved in approximately one year, or around the end of 2018. At that point in time import of soil to OU-1 can begin. It is assumed that the soil will be imported and placed at an annual rate of around 300,000 CY per year. This will allow for work to proceed for a few years while a second RAP for the OU-2 area (southern portion of the railyard) to be developed and approved. Upon approval of the OU-2 RAP fill material will be imported to the OU-2 area. The estimated timeline to complete remediation and grading over the entire railyard (OU-1 and OU-2) is around 10 years. This period could be accelerated with the economic driver of a Development Agreement.



Railyard: Earthwork / Remediation Schedule

Landfill – Earthwork

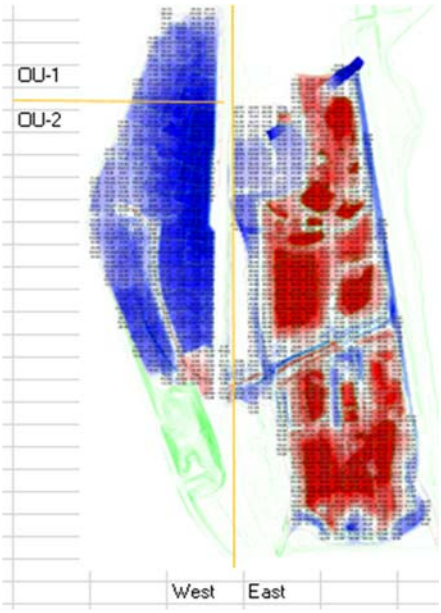
Simultaneously during the proposed remediation and earthwork to be performed on the Railyard, grading will continue over the Landfill. During the first year (2018) it is estimated that approximately 300,000 CY will be imported while 300,000 CY will be exported. Thereafter, there will be several means to achieve the reduction of the existing soil stockpiles. General soil exports are anticipated to be around 250,000 CY per year from the Landfill. Bioswale / Topsoil/ Sand materials are expected to generate 100,000 CY of annual exports. There are several Bay Area projects that require substantial soil material to bring about finished grades. The requirements of these projects are expected to generate substantial export of soil from the Landfill. Some of these projects include Multiple Hunters Point Projects, the Alameda Navy Base Closure, an East Bay Golf Course, a former San Leandro landfill that is being converted into a park, the City of Foster City requires upgrades to their levy system. The combined soil exports are expected to reduce the existing soil stockpiles to planned grades in a period of around 10 years. Again, the period to accomplish this earthwork could be accelerated with the economic driver of a Development Agreement.



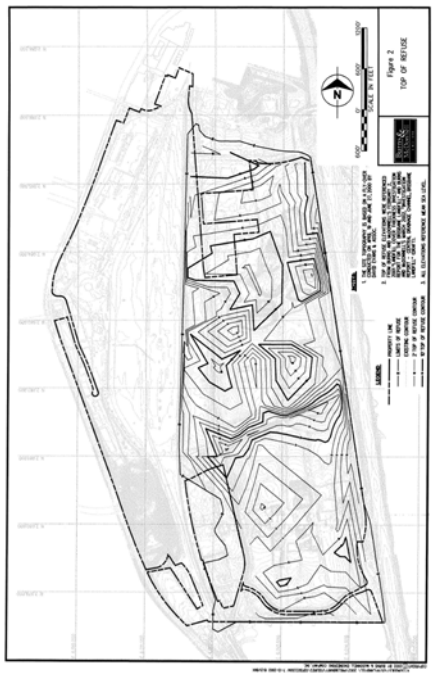
Landfill: Earthwork Schedule

Soil Stockpile Reduction at the Brisbane Baylands

Railyard Remediation and Landfill Closure Timeline



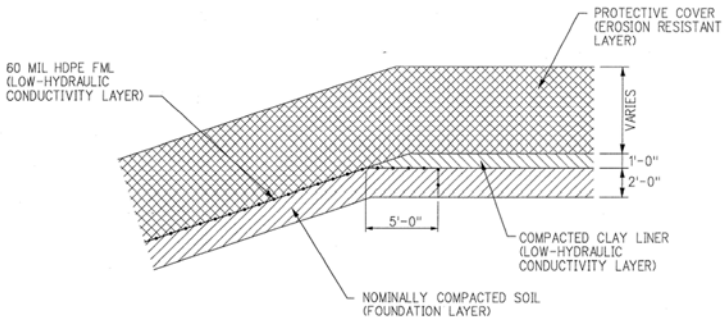
Railyard & Landfill Cut / Fill Plan



Top of Refuse Layer

Title 27 Landfill Closure

Upon reduction of the current stockpile grades final grading and Title 27 Landfill Closure will begin. It is expected that final grading of the Landfill and Title 27 Closure efforts will be performed in several overlapping phases. Each phase will be several acres. It is expected that Title 27 Closure will be achieved over a period of an additional 10 years. Again, the period to accomplish Landfill Closure could be accelerated with the economic driver of a Development Agreement.



Landfill Closure – Typical Section

Note: All earthwork volume mentioned herein are compacted, in place, bank cubic yards.