

**10/9/18 AGENDA, ITEM 6a - THE GREENBELT INFILTRATION PROJECT  
SUPPLEMENTAL EMAIL AND ATTACHMENTS FROM JUDITH MANGO SUBMITTED TO  
THE CITY COUNCIL ON 10/9/18 AT 10:43 A.M.**

**From:** "Judith A. Mango" <[judithannmango@gmail.com](mailto:judithannmango@gmail.com)>

**Date:** October 9, 2018 at 10:43:18 AM PDT

**To:** [jduclos@hermosabch.org](mailto:jduclos@hermosabch.org), Mayor Pro Tem Stacey Armato <[sarmato@hermosabch.org](mailto:sarmato@hermosabch.org)>, [mcampbell@hermosabch.org](mailto:mcampbell@hermosabch.org), [hfangary@hermosabch.org](mailto:hfangary@hermosabch.org), [jmassey@hermosabch.org](mailto:jmassey@hermosabch.org), [suja@hermosabch.org](mailto:suja@hermosabch.org), [citycouncil@hermosabch.org](mailto:citycouncil@hermosabch.org), [edoerfling@hermosabch.org](mailto:edoerfling@hermosabch.org)

**Subject:** Stormwater Infiltration Project - Please include the letter below as part of the official record, attached to staff report

Dear Councilmembers:

This project does not belong anywhere on the Greenbelt because dozens of the trees will be killed, and we should, instead, be preserving them.

Tetra Tech's current design illustrates removal of 38 trees, almost all of them being the very tall, mature trees. This is in direct contradiction to the arborist's recommendations clearly outlined in his report (see attached). Also, their design calls for replacement trees, not one of the eight species being California native, and only three of the ten ground covers being native to California, a mere 16.6 percent (see img 2436).

Even if the project was moved to South Park, using the alternate design where diversion pipes would be placed beneath the wood chip path, the necessity to remove this entire group of trees exists due to insufficient footage between the tree's critical root zone and the wood chip path (see img 2435). It would be impossible to avoid the roots during excavation, and cutting or damaging these roots in any way within the critical root zone would severely impact the health and stability of the trees. These roots are actually visible above ground in several locations, an obvious indication that they would be encountered when digging just a narrow trench (see img 2624, 2630 through 2634).

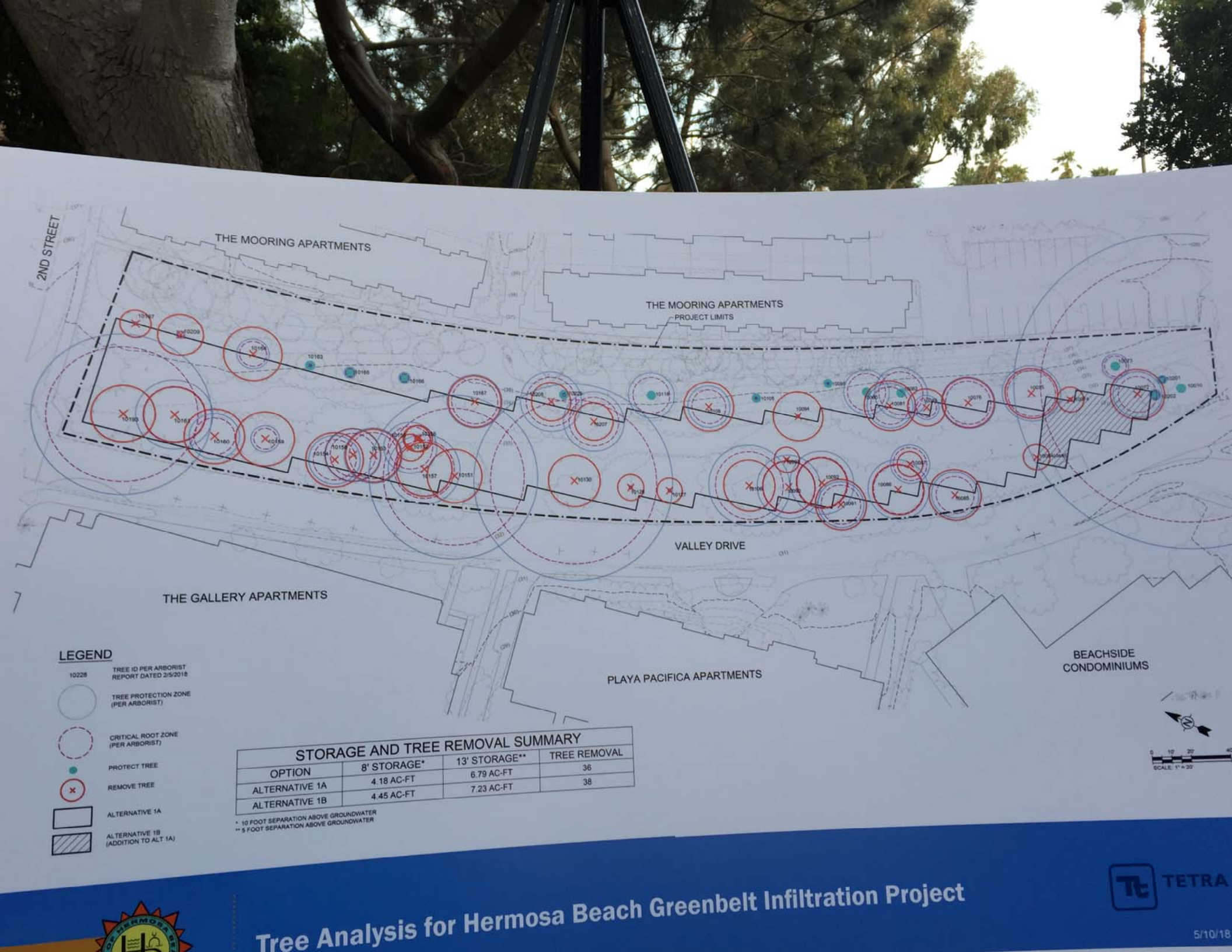
The arborist's report states:

"Tree survival depends on adequate protection of the Critical Root Zone during construction. If the project footprint interferes with the Critical Root Zone of any tree throughout the construction process, the tree should be considered for removal and replacement instead of protection and preservation in order to avoid creating hazardous conditions."

Please note that among the mature trees are Torrey Pines, a California native tree, although not in their natural habitat here, has been designated by the California Native Plant Society as 1.B.2, "rare or endangered in California and elsewhere," and their state ranking is S1, critically imperiled.

Due to the reasons discussed above and the undeniable fact that the beautiful, glorious tress that exist today, which have been here for many decades, are what give the Greenbelt its distinctive character and are such a vital component of our unique city. As such, we much respect them and protect them.

Respectfully,  
Judith A. Mango  
Hermosa Beach



**LEGEND**

- 10228 TREE ID PER ARBORIST REPORT DATED 2/5/2018
- TREE PROTECTION ZONE (PER ARBORIST)
- CRITICAL ROOT ZONE (PER ARBORIST)
- PROTECT TREE
- REMOVE TREE
- ALTERNATIVE 1A
- ALTERNATIVE 1B (ADDITION TO ALT 1A)

STORAGE AND TREE REMOVAL SUMMARY			
OPTION	8' STORAGE*	13' STORAGE**	TREE REMOVAL
ALTERNATIVE 1A	4.18 AC-FT	6.79 AC-FT	36
ALTERNATIVE 1B	4.45 AC-FT	7.23 AC-FT	38

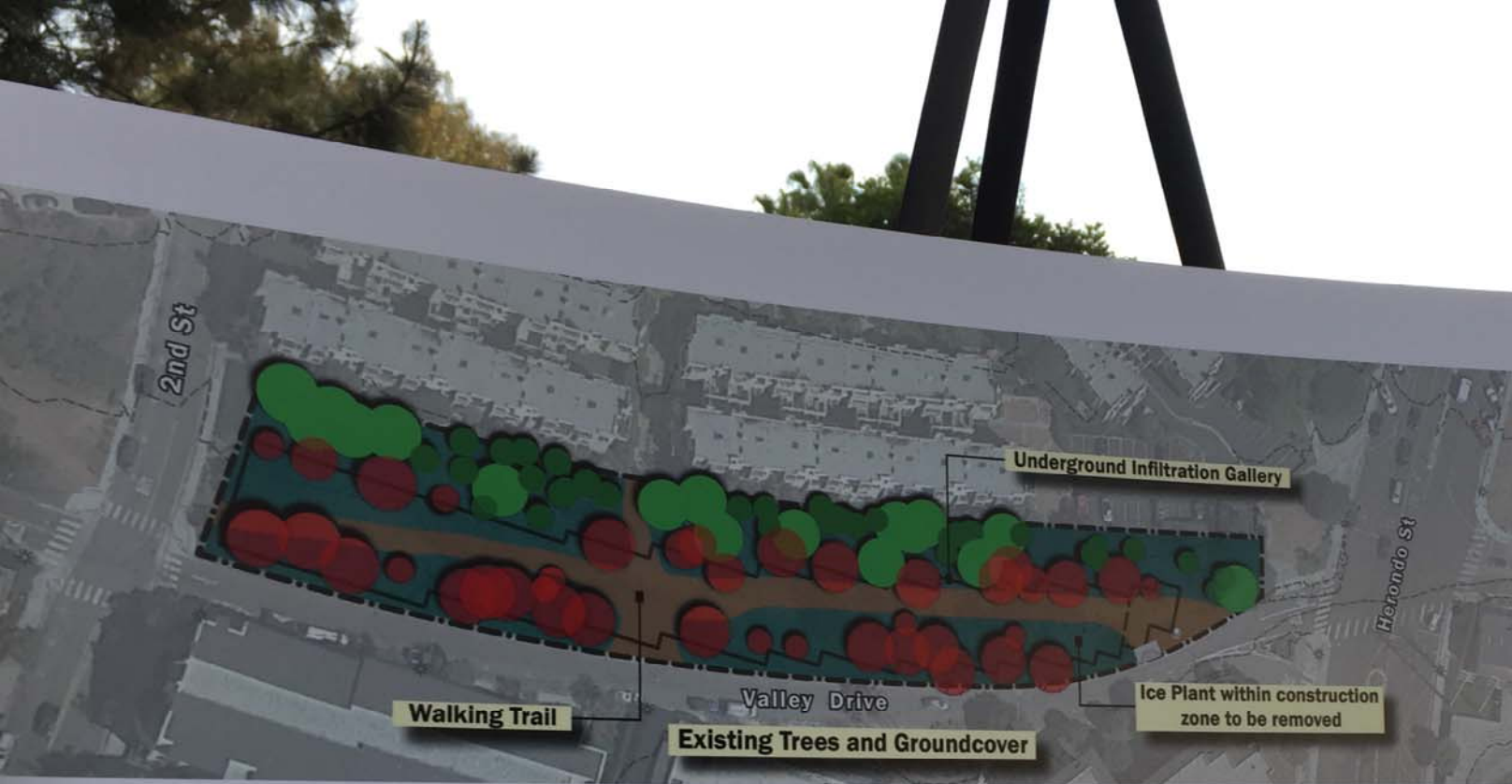
\* 10 FOOT SEPARATION ABOVE GROUNDWATER  
 \*\* 9 FOOT SEPARATION ABOVE GROUNDWATER



# Tree Analysis for Hermosa Beach Greenbelt Infiltration Project















## Legend



### New Tree Plantings - 52 Total

-  Callistemon citrinus - Lemon Bottlebrush
-  Eucalyptus ficifolia - Red Flowering Gum
-  Eucalyptus sideroxylon - Red Ironbark
-  Melaleuca nesophila - Pink melaleuca
-  Melaleuca leucadendra - Cajuput Tree
-  Metrosideros excelsa - New Zealand Christmas Tree
-  Prunus cerasifera - Purple Plum
-  Pyrus kawakamii - Evergreen Pear



### New Shrub Plant Massings

-  Agave
-  Echim candicans-Pride of Madera
-  Hemerocallis-Daylily
-  Pennisetum-Fountain Grass
-  Kalanchoe fedtschenkoi-Paddle Plant
-  Lobelia laxiflora-Lobelia
-  Penstemon hybrid-Beard Tongue
-  Polystichum munitum-Western Sword Fern

### New Groundcovers

-  Ceanothus - California Wild Lilac
-  Mahonia repens - Creeping Mahonia

### Existing Trees

-  Existing trees to be removed (39 Total)
-  Existing trees to protect in place















