

885 Montgomery Road Sebastopol California
Misty Mountain LLC.
Potential Odor Mitigation Hedgerow

This proposal is in regards to the actions that can be taken to mitigate the potential odor that may be present at the cannabis farm at 885 Montgomery Road in Sebastopol California. In addition to the 300 foot setbacks from the neighboring property we are attempting measures that would further seek to reduce the impact of the odor on the neighboring parcels. The first measure we are proposing is the installation of a hedgerow or windbreak along the downwind property borders utilizing native vegetation where possible which can help to diffuse and redirect the the odor that might be present due to the cannabis farm during the flowering period. This hedgerow will consist of native trees and shrubs which will create a buffer strip between the farm and the neighboring parcels and serve to deflect the smell molecules upward where they will more readily dissipate and be carried away from the property by winds rather than linger at the ground level of the surrounding areas. Such windbreaks have been used effectively by the poultry industry to reduce odors from large scale poultry farming. Please review the attached document from The National Resources Conservation Service for an overview of how windbreaks can work in this particular situation.

Many of these plantings will emit naturally strong odors which will at the minimum mask the smell of the cannabis plantings and dilute the intensity of the odor. There are many strong smelling native and non native plants which we are potentially proposing planting along our property boundaries. Examples of these plants include California Honeysuckle "Lonicera Hispidula", Butterfly Bush "Buddleia Sp.", Jasmine "Jasminum Sp.", Flannel Bush "Fremontodendron Californica" to name a few. We additionally plan on growing large sections of many fragrant medicinal herbs and culinary herbs onsite such as Rosemary, Lavender, Pineapple Sage and White Sage which will be harvested and used in preparations and sold as dried herbs. The vining plants such as Honeysuckle and Jasmine will be planted along the fence line which will add an attractive visual and olfactory barrier in close proximity to the fenceline. Whenever growing conditions allow we will intersperse our "smell sector" plants and medicinal herbs between our cannabis farming areas.

Already present on the property is a large organically grown vegetable farm which includes many beneficial insectary plantings which provide habitat for native insects including bees and butterflies. These insects have been in a precipitous decline across the state and are essential for pollination of many of our most important agricultural crops. Many of these plantings have a strong fragrance which already helps to mitigate the cannabis odor. Our farm is designed with ecological and permaculture principles in mind and utilizes zone and sector analysis such as the aforementioned "smell sector" and we will endeavor to do our due diligence to reduce smell pollution if it should become a problem. We have contracted a local ecological design firm Perennial Abundance Permaculture in order to assist with this process and ongoing support should the need arise, and they will be available for additional questions and concerns in this regard. Please see the attached illustrations for examples of these hedgerows. These suggested plantings will also concentrate on drought tolerant and low water usage plantings in line with our "Net Zero Water Plan" submitted previously.

Nathaniel Chaput
Owner/Operator
Perennial Abundance Permaculture
Regenerative Land Care
Perennialabundancepermaculture.com



ODOR MITIGATION

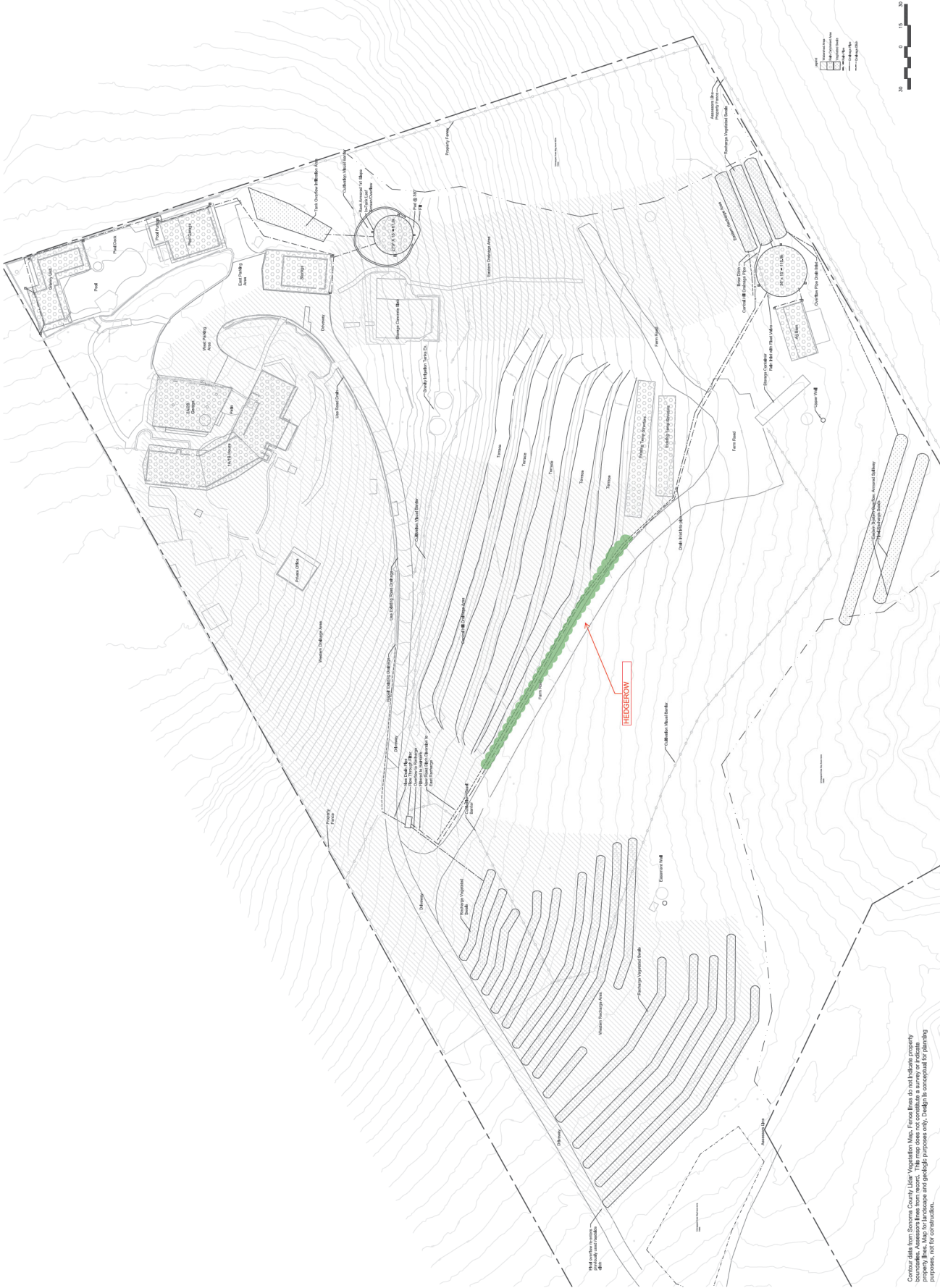
SHEET 1 OF 1
 DATE

SCALE
 1" = 30'-0"

DRAWN BY

REVISIONS

SHEET



Contour data from Sonoma County User Vegetation Map. Fence lines do not indicate property boundaries. Assessors lines from record. This map does not constitute a survey or indicate any other boundary lines. This map is for informational purposes only. It is not intended for planning purposes. See for contradictions.