### DRAINAGE MANAGEMENT AREA RUNOFF VOLUME SUMMARY

<table>
<thead>
<tr>
<th>CMA</th>
<th>PDA</th>
<th>PER</th>
<th>SURFACE TYPE</th>
<th>RUNOFF FACTOR</th>
<th>RUNOFF VOLUME</th>
<th>RUNOFF VOLUME &amp; FLOOD CONTROL AREA</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

#### PROJECT IMPROVEMENT PLAN Phases
- **Area 1**: 2.5 acres
- **Area 2**: 2 acres
- **Area 3**: 3 acres
- **Area 4**: 1.5 acres

**TOTAL RUNOFF CARRY-ON STORAGE**: 20,000 gallons

**TOTAL PROPOSED CARRY-ON STORAGE**: 100,000 gallons

**TOTAL DRAINAGE IMPROVEMENTS**: 150,000 gallons

**AREA DESCRIPTION**:
- **Area 1**: Residential Development
- **Area 2**: Commercial Development
- **Area 3**: Industrial Development
- **Area 4**: Agricultural Development

**PROPOSED CONTROLS**:
- **Area 1**: Stormwater Management System
- **Area 2**: Stormwater Management System
- **Area 3**: Stormwater Management System
- **Area 4**: Stormwater Management System

**EXISTING CONTROLS**:
- **Area 1**: Stormwater Management System
- **Area 2**: Stormwater Management System
- **Area 3**: Stormwater Management System
- **Area 4**: Stormwater Management System

**RECEIVED**: DEC 30 2018

**TENTATIVE MAP - DRAINAGE AND STORMWATER PLAN**

**TENTATIVE MAP - DRAINAGE AND STORMWATER PLAN BASMA**

**NOTES**:
- **Area 1**: Stormwater Management System
- **Area 2**: Stormwater Management System
- **Area 3**: Stormwater Management System
- **Area 4**: Stormwater Management System

**REFERENCES**:
- **Area 1**: Stormwater Management System
- **Area 2**: Stormwater Management System
- **Area 3**: Stormwater Management System
- **Area 4**: Stormwater Management System

**CONSTRUCTION DRAWINGS**:
- **Area 1**: Stormwater Management System
- **Area 2**: Stormwater Management System
- **Area 3**: Stormwater Management System
- **Area 4**: Stormwater Management System

**APPLICATION FOR CONSTRUCTION WORK**:
- **Area 1**: Stormwater Management System
- **Area 2**: Stormwater Management System
- **Area 3**: Stormwater Management System
- **Area 4**: Stormwater Management System

**CONSTRUCTION PERMIT**:
- **Area 1**: Stormwater Management System
- **Area 2**: Stormwater Management System
- **Area 3**: Stormwater Management System
- **Area 4**: Stormwater Management System

**STORMWATER TREATMENT VOLUMES**

- **STORMWATER MANAGEMENT SYSTEM**: 50,000 gallons
- **STORMWATER TREATMENT VOLUME**: 100,000 gallons
- **STORMWATER MANAGEMENT SYSTEM**: 150,000 gallons

**ANNUAL RUNOFF VOLUME**: 200,000 gallons

**BEGINNING OF DRAINAGE PLAN**:

**END OF DRAINAGE PLAN**:

**NOTES**:
- **Area 1**: Stormwater Management System
- **Area 2**: Stormwater Management System
- **Area 3**: Stormwater Management System
- **Area 4**: Stormwater Management System
### Eastern Marin County Creekside Native Plant List

**Marin County Creekside Native Plant Matrix**

**NOTE:** The final planting plan will be determined at the construction document phase of project. The species of the plants selected will be determined in part by plant availability, with emphasis on native and endemic species. Review the list below for guidance. The list is not comprehensive but emphasizes importance for visual interest and habitat compatibility.

<table>
<thead>
<tr>
<th>Plant Name</th>
<th>Common Name</th>
<th>Scientific Name</th>
<th>Use</th>
<th>Structure</th>
<th>Size</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Sticky Willow</td>
<td>Salix aurita</td>
<td>Salix aurita</td>
<td>Riparian Corridor</td>
<td>40-50 ft</td>
<td>Requires water</td>
<td>Great for wildlife and aesthetics</td>
</tr>
<tr>
<td>Red Mangrove</td>
<td>Rhizophora mangle</td>
<td>Rhizophora mangle</td>
<td>Beach</td>
<td>30-40 ft</td>
<td>Tolerates saltwater</td>
<td>Provides habitat for marine life</td>
</tr>
<tr>
<td>Monterey Cypress</td>
<td>Cupressus macrocarpa</td>
<td>Cupressus macrocarpa</td>
<td>Coastal</td>
<td>50-60 ft</td>
<td>Resistant to fire</td>
<td>Suitable for windbreaks and coastal erosion control</td>
</tr>
</tbody>
</table>

### Fire Resistant Plant List

**Marin County Fire Safe Wildland Urban Interface (WUI) Plant Recommendations**

**NOTE:** The language for distance, space, measures etc. will be determined by the 16 1/2 Standards for Yellen and Spurny (California) and others. The recommended plant is one that can grow in a variety of soil conditions and provide a stable ecosystem. The list below is not comprehensive but emphasizes importance for visual interest and habitat compatibility.

<table>
<thead>
<tr>
<th>Plant Name</th>
<th>Common Name</th>
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<th>Use</th>
<th>Structure</th>
<th>Size</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Redwood</td>
<td>Sequoia sempervirens</td>
<td>Sequoia sempervirens</td>
<td>Shelterbelt</td>
<td>75-80 ft</td>
<td>Resistant to fire</td>
<td>Provides shade and habitat for wildlife</td>
</tr>
<tr>
<td>Oak</td>
<td>Quercus species</td>
<td>Quercus species</td>
<td>Tree</td>
<td>40-50 ft</td>
<td>Strong structure</td>
<td>Good for fire breaks and aesthetics</td>
</tr>
<tr>
<td>Shrub</td>
<td>Acalypha wilkesiana</td>
<td>Acalypha wilkesiana</td>
<td>Ground Cover</td>
<td>2-3 ft</td>
<td>Fire resistant</td>
<td>Suitable for erosion control and wildlife habitats</td>
</tr>
</tbody>
</table>

### Marin County / BAYMARA BIODIVERSITY BIODOME PLANT MATRIX

**NOTE:** The final planting plan will be determined at the construction document phase of project. The species of the plants selected will be determined in part by plant availability, with emphasis on native and endemic species. Review the list below for guidance. The list is not comprehensive but emphasizes importance for visual interest and habitat compatibility.

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Fireweed</td>
<td>Holosteum trilobatum</td>
<td>Holosteum trilobatum</td>
<td>Firebreak</td>
<td>1-2 ft</td>
<td>Fire resistant</td>
<td>Provides a barrier and distinctive look</td>
</tr>
<tr>
<td>California Poppy</td>
<td>Eschscholzia califonica</td>
<td>Eschscholzia califonica</td>
<td>Wildflower</td>
<td>1-2 ft</td>
<td>Water efficient</td>
<td>Attracts pollinators and butterflies</td>
</tr>
<tr>
<td>California Poppies</td>
<td>Eschscholzia species</td>
<td>Eschscholzia species</td>
<td>Hedge</td>
<td>3-4 ft</td>
<td>Fire resistant</td>
<td>Enhances landscape and biodiversity</td>
</tr>
</tbody>
</table>

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**Notes:**
- The plants listed are not exhaustive and should be reviewed for compatibility with local climate and soil conditions.
- Consult local experts for specific recommendations based on site conditions.
- Integration of native species promotes biodiversity and ecological balance.

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**Additional Guidelines:**
- Consider the aspect and exposure of the site when selecting plant species.
- Avoid non-native species that may outcompete native plants.
- Ensure species are appropriate for the site's water availability and soil type.
- Incorporate variations in plant heights and textures for visual interest and to mimic natural ecosystems.
LEGEND

Recent Herzog Geotechnical Boring (2015)
HG-1
Previous Herzog Geotechnical Boring (2007)
CH-1
O

Ks
Cretaceous Sedimentary Bedrock; primarily sandstone and shale

fm
Franciscan Melange; typically consists of heterogeneous mixture of sandstone, shale, metavolcanic rock, serpentinite and chert

Qls
Landslide Deposits

Qaf
Artificial Fill

Reference: Utility Plan by Ziegler Civil Engineering, dated 1/15/18.