SPECIAL USE PERMIT FORMAL APPLICATION PACKAGE - MARCH 13, 2019

LANDSCAPE PROJECT APPLICATION NOTES

1. THE PROJECT WILL CONFORM TO THE CITY OF SAN MATEO BUILDING CODE REQUIREMENTS AND WILL USE RECYCLED WATER (TREATED PLANT EFFLUENT) FOR IRRIGATION. APPLICABLE SPECIFIC INSTRUCTION WILL BE PROVIDED WITH FINAL DESIGNS AND DRAWINGS.

2. THE PROJECT BUILDING WILL COMPLY WITH CITY OF SAN MATEO WATER CONSERVATION PLAN REQUIREMENTS.

3. THE PROJECT WILL CONFORM TO THE CITY OF SAN MATEO STRATEGIC PLAN REQUIREMENTS.

4. THIS BUILDING WILL BE COMPLIANT WITH CITY OF SAN MATEO ZONING REQUIREMENTS.

5. BUILDING HORIZONTAL SIZE LIMITATION SPECIFICATIONS WILL BE BASED ON THE FOLLOWING CODES AND REGULATIONS:

a. 2016 CALIFORNIA BUILDING CODE
b. 2016 CALIFORNIA ELECTRIC CODE
c. 2016 CALIFORNIA PLUMBING CODE

d. 2016 CALIFORNIA FIRE CODE

6. BUILDING VERTICAL SIZE LIMITATIONS SPECIFICATIONS WILL BE BASED ON THE FOLLOWING CODES AND REGULATIONS:

a. 2016 CALIFORNIA BUILDING CODE
b. 2016 CALIFORNIA ELECTRIC CODE
c. 2016 CALIFORNIA PLUMBING CODE

d. 2016 CALIFORNIA FIRE CODE

7. BUILDING HORIZONTAL AND VERTICAL DISTANCING SPECIFICATIONS WILL BE BASED ON THE FOLLOWING CODES AND REGULATIONS:

a. 2016 CALIFORNIA BUILDING CODE
b. 2016 CALIFORNIA FIRE CODE
c. 2016 CALIFORNIA PLUMBING CODE

d. 2016 CALIFORNIA ELECTRIC CODE

8. THE PROJECT WILL CONFORM TO THE CITY OF SAN MATEO WATER CONSERVATION PLAN REQUIREMENTS.

9. THE PROJECT WILL USE RECYCLED WATER (TREATED PLANT EFFLUENT) FOR IRRIGATION.

10. THE PROJECT WILL COMPLY WITH CITY OF SAN MATEO WATER CONSERVATION PLAN REQUIREMENTS.
## 2016 California Building Code Information Table

### San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project

#### Special Use Formal Application Package - March 1, 2019

### Area Calculations/Occupancies

<table>
<thead>
<tr>
<th>Area</th>
<th>Description</th>
<th>Code</th>
<th>Factor</th>
<th>яс</th>
<th>Factor</th>
<th>яс</th>
<th>Factor</th>
<th>яс</th>
<th>Factor</th>
<th>яс</th>
<th>Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>Clarifier / Bio Activated Sludge</td>
<td>B</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
</tr>
<tr>
<td>01</td>
<td>Headworks</td>
<td>C</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
</tr>
<tr>
<td>51</td>
<td>Electrical</td>
<td>A</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
</tr>
<tr>
<td>55</td>
<td>Jr. Equipment &amp; Electrical Building</td>
<td>B</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
</tr>
<tr>
<td>70</td>
<td>Chemicals</td>
<td>D</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
</tr>
<tr>
<td>80</td>
<td>Administration Building</td>
<td>E</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
</tr>
<tr>
<td>90</td>
<td>Warehouse</td>
<td>F</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
</tr>
</tbody>
</table>

### Area Calculations/Occupancies: Building / Space

<table>
<thead>
<tr>
<th>Area</th>
<th>Description</th>
<th>Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>Clarifier / Bio Activated Sludge</td>
<td>0.05</td>
</tr>
<tr>
<td>01</td>
<td>Headworks</td>
<td>0.05</td>
</tr>
<tr>
<td>51</td>
<td>Electrical</td>
<td>0.05</td>
</tr>
<tr>
<td>55</td>
<td>Jr. Equipment &amp; Electrical Building</td>
<td>0.05</td>
</tr>
<tr>
<td>70</td>
<td>Chemicals</td>
<td>0.05</td>
</tr>
<tr>
<td>80</td>
<td>Administration Building</td>
<td>0.05</td>
</tr>
<tr>
<td>90</td>
<td>Warehouse</td>
<td>0.05</td>
</tr>
</tbody>
</table>

### Area Calculations/Occupancies: Bldg. Total

<table>
<thead>
<tr>
<th>Area</th>
<th>Description</th>
<th>Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>Clarifier / Bio Activated Sludge</td>
<td>0.05</td>
</tr>
<tr>
<td>01</td>
<td>Headworks</td>
<td>0.05</td>
</tr>
<tr>
<td>51</td>
<td>Electrical</td>
<td>0.05</td>
</tr>
<tr>
<td>55</td>
<td>Jr. Equipment &amp; Electrical Building</td>
<td>0.05</td>
</tr>
<tr>
<td>70</td>
<td>Chemicals</td>
<td>0.05</td>
</tr>
<tr>
<td>80</td>
<td>Administration Building</td>
<td>0.05</td>
</tr>
<tr>
<td>90</td>
<td>Warehouse</td>
<td>0.05</td>
</tr>
</tbody>
</table>

### Area Calculations/Occupancies: All Floors + Allowable Area Per Floor of 41,400 SF

<table>
<thead>
<tr>
<th>Area</th>
<th>Description</th>
<th>Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>Clarifier / Bio Activated Sludge</td>
<td>0.05</td>
</tr>
<tr>
<td>01</td>
<td>Headworks</td>
<td>0.05</td>
</tr>
<tr>
<td>51</td>
<td>Electrical</td>
<td>0.05</td>
</tr>
<tr>
<td>55</td>
<td>Jr. Equipment &amp; Electrical Building</td>
<td>0.05</td>
</tr>
<tr>
<td>70</td>
<td>Chemicals</td>
<td>0.05</td>
</tr>
<tr>
<td>80</td>
<td>Administration Building</td>
<td>0.05</td>
</tr>
<tr>
<td>90</td>
<td>Warehouse</td>
<td>0.05</td>
</tr>
</tbody>
</table>

### Notes
1. Total area of all occupied areas is less than area allowed for type B, occupancy group F-2, with frontage increase per CBC 503.3. Structures considered to be one building.
2. Headworks, Odor Control, electrical, Jr. equipment & electrical building, chemicals, administration, warehouse, are classified as multi-story, non-sprinklered (F2).
3. Automatic fire sprinklers on all floors.
4. Maximum exit access travel distance = 75" with approved automatic sprinkler system.
5. Fire suppression system provided.
6. See G1.04 for administration building & warehouse occupancy tables.
7. MAX. EXIT ACCESS TRAVEL DISTANCE = 75.0" W/ AUTOMATIC SPRINKLER SYSTEM, 2 EXITS, TABLE 1006.2.1
8. Area not classified.
9. Special Use Form F Total.
10. See G0.02 for compliance with accessibility requirements.
11. Type of building is considered to be one building.
12. For occupancies classifying as hazardous materials storage or use, see Tables 307.1(1).
13. Maximum allowable quantities shall be reduced by 10 percent in buildings equipped with an approved automatic fire sprinkler system in accordance with Section 903.3.1.1.
San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project
City Project No. 46T003

Administration Building Egress - Level 1
scale: 1" = 20'-0"

Administration Building Egress - Level 2
scale: 1" = 20'-0"

Warehouse Egress - Level 1
scale: 1" = 20'-0"

OCCUPANT LOAD CALCULATIONS

<table>
<thead>
<tr>
<th>Room Description</th>
<th>Area</th>
<th>Area Load Factor</th>
<th>No. of Occ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entry/Public Restrooms accessory</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reception</td>
<td>150 SF/100</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Training Room</td>
<td>550 SF/15</td>
<td>37</td>
<td></td>
</tr>
<tr>
<td>Laboratory</td>
<td>1265 SF/100</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>Laboratory - Office</td>
<td>655 SF/100</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Laboratory - Storage &amp; Mech.</td>
<td>190 SF/300</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Sampler Processing</td>
<td>140 SF/300</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Storage spaces accessory</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Restroom/Locker rooms accessory</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uniform Storage accessory</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exercise Room accessory</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mud Room accessory</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Janitor</td>
<td>40 SF/300</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Electrical Room</td>
<td>270 SF/300</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total First Floor</td>
<td>63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Offices</td>
<td>1200 SF/100</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Control Room</td>
<td>1060 SF/100</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>Control Room-conf.</td>
<td>100 SF/15</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Ops. Sup. Office</td>
<td>120 SF/100</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Library / Sm. Meeting</td>
<td>390SF/15</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>Lunchroom</td>
<td>530 SF/15</td>
<td>36</td>
<td></td>
</tr>
<tr>
<td>Restrooms accessory</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage spaces accessory</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mud Room accessory</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Janitor</td>
<td>40 SF/300</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Elev. Mach.</td>
<td>60 SF/300</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Utility Spaces</td>
<td>570 SF/300</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Server Room</td>
<td>300 SF/300</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Second Floor</td>
<td>99</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Building</td>
<td>162</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTES
1. MAX. MEZZANINE AREA SHALL NOT BE GREATER THAN ONE-THIRD OF THE FLOOR AREA OF THE SPACE IN WHICH IT IS LOCATED IN ACCORDANCE WITH CBC RULE 1
NOTES:

1. DEDICATE PARCEL D AS NEW PUBLIC ROW TO BE NAMED (TBD), WIDTH VARIES. ADD NEW STREET TO BE NAMED "F." SAME NAME AS PARCEL D (TBD).

2. ABANDON A SECTION OF DETROIT DRIVE THAT WILL NOW BE MODELED AS PARCEL LINE OF THE NEW WASTEWATER TREATMENT PLANT.

3. COMBINE PARCELS A, B, C, D (SEE TENTATIVE PARCEL MAP 2, G2.01) AND THE ABANDONED SECTION OF DETROIT DRIVE TO CREATE NEW PARCEL FOR WASTEWATER TREATMENT PLANT SITE.
TYPICAL PROPOSED SECTION - DETROIT DRIVE EAST OF PARCEL (FACING NORTH).

TYPICAL EXISTING SECTION - DETROIT DRIVE EAST OF PARCEL (FACING NORTH).
TREE PROTECTION NOTES

1. REFER TO SPECIFICATIONS FOR PLANT PROTECTION AND TREE REPLACEMENT REQUIREMENTS.

2. THE CONTRACTOR SHALL MEET WITH THE PROJECT ARBORIST BEFORE BEGINNING WORK TO DISCUSS WORK PROCEDURES AND TREE PROTECTION.

3. EACH TREE IDENTIFIED FOR PRESERVATION SHALL RECEIVE SUPPLEMENTAL IRRIGATION PRIOR TO AND DURING THE DEMOLITION AND CONSTRUCTION PROCESS.

4. ESTABLISH A TREE PROTECTION ZONE (TPZ) FOR EACH TREE IDENTIFIED FOR PRESERVATION PRIOR TO AND DURING ANY DEMOLITION OR CONSTRUCTION WORK. ANY MODIFICATIONS TO THE TPZ MUST BE APPROVED AND MONITORED BY THE PROJECT ARBORIST.

5. VERIFY THAT ANY HERBICIDES PLACED UNDER PAVING MATERIALS ARE SAFE FOR USE AROUND TREES AND LABELED FOR THAT USE.

6. DO NOT LIME SOIL WITHIN 30 FEET OF ANY TREE DESIGNATED FOR PRESERVATION. LIME IS TOXIC TO TREE ROOTS.

7. PROTECT ALL TRUNKS AND LIMBS EXPOSED TO POTENTIAL DAMAGE BY CONSTRUCTION ACTIVITIES WITH TIMBERS SECURED TO TREES WITH METAL STRAPS AS APPROVED BY THE PROJECT ARBORIST.

8. PRUNE TREES TO BE AVOIDED TO CLEAN THE CROWN AND TO PROVIDE CONSTRUCTION WORK PROCEDURES AND TREE PROTECTION.

9. APPLY AND MAINTAIN 3 INCHES OF WOOD CHIP MULCH WITHIN THE TREE PROTECTION ZONE. KEEP THE MULCH 3 FEET FROM THE BASE OF TREE TRUNKS.

10. EVALUATE ANY INJURY TO TREES THAT SHOULD OCCUR DURING CONSTRUCTION. NOTIFY THE PROJECT ARBORIST IF APPROPRIATE TREATMENTS CAN BE APPLIED.

11. REQUIRE THAT ANY TREE PRUNING NEEDED FOR CLEANSING DURING CONSTRUCTION BE PERFORMED BY A CERTIFIED ARBORIST AND NOT BY CONSTRUCTION PERSONNEL.

12. REFER TO SPECIFICATIONS FOR PLANT PROTECTION AND TREE REPLACEMENT REQUIREMENTS.

13. AN I.S.A. CERTIFIED ARBORIST OR TREE WORKER SHALL BE PRESENT AT ALL TIMES DURING PRUNING. PRUNING MUST BE IN ACCORDANCE WITH THE TREE PRUNING GUIDELINES OF THE INTERNATIONAL SOCIETY OF ARBORICULTURE.

14. REFER TO SPECIFICATIONS FOR PLANT PROTECTION AND TREE REPLACEMENT REQUIREMENTS.

15. THE CONTRACTOR SHALL MEET WITH THE PROJECT ARBORIST BEFORE BEGINNING WORK TO DISCUSS WORK PROCEDURES AND TREE PROTECTION.

16. EACH TREE IDENTIFIED FOR PRESERVATION SHALL RECEIVE SUPPLEMENTAL IRRIGATION PRIOR TO AND DURING THE DEMOLITION AND CONSTRUCTION PROCESS.

17. ESTABLISH A TREE PROTECTION ZONE (TPZ) FOR EACH TREE IDENTIFIED FOR PRESERVATION PRIOR TO AND DURING ANY DEMOLITION OR CONSTRUCTION WORK. ANY MODIFICATIONS TO THE TPZ MUST BE APPROVED AND MONITORED BY THE PROJECT ARBORIST.

18. VERIFY THAT ANY HERBICIDES PLACED UNDER PAVING MATERIALS ARE SAFE FOR USE AROUND TREES AND LABELED FOR THAT USE.

19. DO NOT LIME SOIL WITHIN 30 FEET OF ANY TREE DESIGNATED FOR PRESERVATION. LIME IS TOXIC TO TREE ROOTS.

20. PROTECT ALL TRUNKS AND LIMBS EXPOSED TO POTENTIAL DAMAGE BY CONSTRUCTION ACTIVITIES WITH TIMBERS SECURED TO TREES WITH METAL STRAPS AS APPROVED BY THE PROJECT ARBORIST.

21. PRUNE TREES TO BE AVOIDED TO CLEAN THE CROWN AND TO PROVIDE CONSTRUCTION WORK PROCEDURES AND TREE PROTECTION.

22. APPLY AND MAINTAIN 3 INCHES OF WOOD CHIP MULCH WITHIN THE TREE PROTECTION ZONE. KEEP THE MULCH 3 FEET FROM THE BASE OF TREE TRUNKS.

23. EVALUATE ANY INJURY TO TREES THAT SHOULD OCCUR DURING CONSTRUCTION. NOTIFY THE PROJECT ARBORIST IF APPROPRIATE TREATMENTS CAN BE APPLIED.

24. REQUIRE THAT ANY TREE PRUNING NEEDED FOR CLEANSING DURING CONSTRUCTION BE PERFORMED BY A CERTIFIED ARBORIST AND NOT BY CONSTRUCTION PERSONNEL.

25. REFER TO SPECIFICATIONS FOR PLANT PROTECTION AND TREE REPLACEMENT REQUIREMENTS.

26. AN I.S.A. CERTIFIED ARBORIST OR TREE WORKER SHALL BE PRESENT AT ALL TIMES DURING PRUNING. PRUNING MUST BE IN ACCORDANCE WITH THE TREE PRUNING GUIDELINES OF THE INTERNATIONAL SOCIETY OF ARBORICULTURE.
POOR CONDITION. APPEARS TO HAVE DISEASE. (E) TREE TO BE REMOVED FOR MAINTENANCE.

POOR CONDITION. APPEARS TO HAVE DISEASE. (E) TREE TO BE REMOVED, TYP
(E) TREE TO BE REMOVED, TYP

VERY POOR CONDITION

(E) TREE TO BE REMOVED FOR MAINTENANCE

(E) TREES TO BE RETAINED, TYP
INSTALL TREE PRESERVATION FENCING. MAINTAIN TREES PER TREE PRESERVATION NOTES.
TREE PRESERVATION PLAN

T1.02-T1.09 Tree Preservation Plan

- Heritage trees previously removed during demolition
- Very poor condition
- Fair (dead top) condition
- Tree to be retained, typ.
- Trees to be retained. Typ.
- Install tree preservation fencing. Maintain trees per tree preservation notes.
- Trees to be retained.
- Trees to be retained. Typ.
- Install tree preservation fencing. Maintain trees per tree preservation notes.
- Trees to be retained.
- Trees to be retained. Typ.
- Install tree preservation fencing. Maintain trees per tree preservation notes.

LIMIT OF WORK

- DETROIT DRIVE
- E BLDG
- CNG
- BLDG

MATCHLINE, SEE SHEET T1.04

MATCHLINE, SEE SHEET T1.05

MATCHLINE, SEE SHEET T1.08

SPECIAL USE PERMIT FORMAL APPLICATION SUBMITTAL

City Project No. 46T003

San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project

DESIGNED BY:

DRAWN BY:

QC CHK'D BY:

PROJECT No:

SCALE:

SUBMITTAL:

DATE:

DATE:

DATE:

10048652

SHEET NO.

SHEET

OF

3/13/2019 7:30 PM

Nathanael Gray
EXISTING FACILITIES

(E) ADMINISTRATION BLDG

LIMIT OF WORK

(N) FACILITY

(N) WAREHOUSE

MATCHLINE, SEE SHEET T1.05

MATCHLINE, SEE SHEET T1.08

MATCHLINE, SEE LEFT

MATCHLINE, SEE BOTTOM RIGHT

(E) TREES TO BE RETAINED.
(E) PAVING DEMOLISHED AND
(N) PAVING REINSTATED IN
SAME PLACE, TYP.

(E) TREES TO BE RETAINED, TYP.
INSTALL TREE PRESERVATION
FENCING. MAINTAIN TREES PER
TREE PRESERVATION NOTES.

(E) TREE TO BE
REMOVED, TYP.

(E) TREE TO BE
REMOVED, TYP.

(E) TREE TO BE
REMOVED, TYP.

(E) TREE TO BE
REMOVED, TYP.

LESLIE CREEK

SPECIAL USE PERMIT FORMAL APPLICATION PACKAGE - MARCH 13, 2019
EXISTING FACILITY

TREE PRESERVATION PLAN

(E) TREES TO BE REMOVED, TYP.

(E) TREES TO BE RETAINED, TYP.
INSTALL TREE PRESERVATION FENCING. MAINTAIN TREES PER TREE PRESERVATION NOTES.

LIMIT OF WORK

MATCHLINE, SEE SHEET T1.06

MATCHLINE, SEE SHEET T1.07

MATCHLINE, SEE SHEET T1.08

MATCHLINE, SEE SHEET T1.09

LESLIE CREEK
TREES TO BE RETAINED, TPZ INSTALL TREE PRESERVATION FENCING. MAINTAIN TREES PER TREE PRESERVATION NOTES.

MATCHLINE, SEE SHEET T1.08
TREE EVALUATION SCHEDULE

An arborist report and an existing tree evaluation schedule with landscape unit values is required for all trees with a diameter of 6 inches or more proposed for removal. This inventory must be prepared by an arborist or licensed landscape architect consistent with SMMC 27.71.150 Preservation of Existing Trees.

EXISTING TREE EVALUATION SCHEDULE

<table>
<thead>
<tr>
<th>REF</th>
<th>SPECIES NAME</th>
<th>FATE</th>
<th>DEPTH VALUE %</th>
<th>LOCATION VALUE %</th>
<th>SIZE</th>
<th>LU VALUE</th>
<th>CQT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Preserved</td>
<td>67%</td>
<td>67%</td>
<td>1</td>
<td>0.00</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Removed</td>
<td>0%</td>
<td>0%</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Preserved</td>
<td>8%</td>
<td>8%</td>
<td>1</td>
<td>0.00</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Removed</td>
<td>0%</td>
<td>0%</td>
<td>0</td>
<td>0.00</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

REQUIRED TREE PLANTING

A "LANDSCAPE UNIT" (LU) VALUE EQUIVALENT TO (d) ABOVE MUST EITHER BE PLANTED ON-SITE OR AN "IN-LIEU" FEE PAID TO THE CITY’S STREET TREE PLANTING FUND. IF THE LU VALUE SHOWN AT (e) IS NOT EQUAL OR GREATER THAN (d), THEN AN IN-LIEU FEE MUST BE PAID TO THE CITY’S STREET TREE PLANTING FUND AT THE RATE DEFINED ANNUALLY IN THE CITY’S COMPREHENSIVE FEE SCHEDULE FOR EACH DEFICIENT LU.

**NEW REPLACEMENT TREES SHALL BE IN ADDITION TO AND NOT SUBSTITUTE REQUIREMENTS FOR NEW STREET TREES, PARKING LOT TREES OR OTHER REQUIRED TREES.**

TOTAL LU VALUE OF NEW TREES BEING PROPOSED

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>SIZE</th>
<th>SDL VALUE</th>
<th>TOTAL SDL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 GALLON</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>95</td>
<td>24 INCH BOX</td>
<td>2</td>
<td>112</td>
</tr>
<tr>
<td>81</td>
<td>38 INCH BOX</td>
<td>3</td>
<td>153</td>
</tr>
<tr>
<td>46 INCH BOX</td>
<td></td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL SDL VALUE OF NEW TREES BEING PROPOSED: $265

Scale: 1/4" = 1'-0"

#1 TREE PRESERVATION FENCING

**FEE DUE TO THE CITY STREET TREE PLANTING FUND: $77,720**

* New requirements may be subject to change at any time and without notice.*

**NEW REPLACEMENT TREES SHALL BE PLANTED BETWEEN THE EXISTING TREE PRESERVATION FENCING.**

TREE EVALUATION SCHEDULE

FORMULA FOR CALCULATING LU VALUE: [ ( _____ x ______ x ______ ) / 0.35 x ( _____ x ______ x ______ ) = _______ ]

- SAN MATEO WWTP NUTRIENT REMOVAL AND WET WEATHER FLOW MANAGEMENT UPGRADE AND EXPANSION PROJECT
- CITY PROJECT NO. 46T003

**TREE PLANTING NOTES:**

**CHAIN LINK FENCING**

**DRIP LINE**

**STAKING 8’ METAL**

**2” Ø POST AT 8’ O.C. MAX.**

**TREES TO BE PROPOSED**

91.00

27

**TREES TO BE REMOVED**

112.35

42
SPECIAL USE PERMIT FORMAL APPLICATION PACKAGE - MARCH 13, 2019

February 25, 2019
City of San Mateo Planning Division
Colonnade East, Suite 200
San Mateo, CA 94403

Ms. Jane Morgan,

This preliminary letter of application for the permits requested in CUPFA 2008-011315-001 (San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project) received pursuant to Section 66020 of the California Public Resources Code is hereby withdrawn. This letter is being withdrawn due to the following reasons:

1. The letter of application was not properly completed.
2. The letter was later revised to correct the errors noted above.
3. The letter was not submitted in accordance with the requirements of the San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project.

Any permit applications prepared in the future shall be submitted in accordance with the requirements of the San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project.

Sincerely,

[Signature]

City of San Mateo Planning Division

Table 1. Tree Survey Details

<table>
<thead>
<tr>
<th>No.</th>
<th>Scientific Name</th>
<th>Common Name</th>
<th>Diameter</th>
<th>Height</th>
<th>Condition</th>
<th>Heritage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Quercus douglasii</td>
<td>Douglas Fir</td>
<td>1.3</td>
<td>48</td>
<td>Good</td>
<td>False</td>
</tr>
<tr>
<td>2</td>
<td>Pinus radiata</td>
<td>Monterey Pine</td>
<td>1.1</td>
<td>38</td>
<td>Good</td>
<td>False</td>
</tr>
<tr>
<td>3</td>
<td>Acer saccharum</td>
<td>Maple</td>
<td>1.0</td>
<td>32</td>
<td>Good</td>
<td>False</td>
</tr>
<tr>
<td>4</td>
<td>Fraxinus americana</td>
<td>American Basswood</td>
<td>0.8</td>
<td>24</td>
<td>Fair</td>
<td>False</td>
</tr>
<tr>
<td>5</td>
<td>Betula alleghaniensis</td>
<td>Yellow Birch</td>
<td>0.6</td>
<td>22</td>
<td>Fair</td>
<td>False</td>
</tr>
</tbody>
</table>

Note: These values were determined using field techniques outlined in the Handbook of Tree and Landscape Appraisal Guide for Plant Appraisal (2008).
LANDSCAPE DESIGN SUMMARY
The landscaping for the Nutrient Removal and Wet Weather Flow upgrade for the San Mateo Wastewater Treatment Plant highlights the conceptual juxtaposition of the plant and natural water treatment systems. Transparency in both the architecture and landscape create educational opportunities for site users. A pedestrian path through the site allows users to see the processes of wastewater treatment in contrast to that of bioretention. Native plants, open sight lines, and a strengthened pedestrian access connect this site to the greater Bay Area.

PROJECT GOALS
1. Integrate the functional requirements of the facility
2. Form an identity for the WWTP inspired by
   - The Bay Area's design legacy and technological innovation
   - The City's sustainable initiative for healthy environmental, economic, and social development
3. Maximize open space
   - Balance the built and natural environment
4. Enhance the community
   - With pedestrian connection
   - Improved visual aesthetics
   - Education opportunities
5. Create an architectural landmark in the Bay Area
DESIGN CONCEPT

The San Mateo Wastewater Treatment Plant is designed to be "The Gem of the Bay." It celebrates both the necessary industrial infrastructure of the treatment plant and the natural treatment system of nature.

The plant itself is a sculptural feature not to be hidden but to be revealed. Screens along structures and educational signage highlight the treatment process.

The front edge of the plant is landscaped with a native grassland. Bioretention in the grassland treat the site's stormwater naturally. This natural system reflects the historic wetland marshes that treat and filter water along the bay organically. It is juxtaposed by the industrial cleaning system of the treatment plant which is necessary to clean the wastewater in a major urban area.

A public path brings pedestrians up to the plant and curves through the natural area. Along the path are educational demonstrations informing the public of the ecological processes in the landscape and the similar treatment processes occurring in the plant.
From this bird's eye view, the juxtaposition of the industrial architecture and the natural landscape is revealed. Rather than attempting to use landscape to screen and hide the plant, it has been designed to complement the architecture. Together they tell an educational story about the mirrored cleaning processes of the wastewater treatment plant and nature.

A pedestrian path brings the public along the treatment plant and through the recreated natural area. The path crosses bioretention areas that infiltrate and treat the site's stormwater. The path continues to the new Administration Building that will have an educational area. From the Administration Building, the path continues south to the parks, dog park, and school beyond the plant.

The landscape design provides pedestrian access along the treatment plant with educational demonstrations and connectivity between surrounding neighborhoods and the Bay Trail.
SITE ENTRY AND HEADWORKS
This is the view for pedestrians as they enter the site from Detroit Drive and East Third Avenue. The form of the facility architecture stands out adjacent to the bay side landscape. Educational diagrams and exhibits can be designed along the building edge. A bike and pedestrian path provides a connection to adjacent neighborhoods and a school.
THE ADMINISTRATION BUILDING

The new Administration Building serves as the public interface for the plant. An entry plaza and terrace provide a space for visitors to gather outside the main lobby. An educational area is located on the first floor.

The theme of native and climate-adapted shrubs and grasses is continued in the landscaping around the Administration Building. Trees along the sidewalk provide shade and a safety barrier between traffic and pedestrians.
SOUTH BIRD'S EYE

The existing sidewalk connection along Detroit Drive has been maintained. Trees have been planted along the facility to screen and soften the view. A fence and gate provide security for the facility.
NEW ADMINISTRATION BLDG PARKING

VEHICULAR PARKING (9 x 18')

<table>
<thead>
<tr>
<th>TYPE</th>
<th>REQUIRED</th>
<th>PROVIDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAFF PARKING</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>ADA CAR</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>ADA VAN</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>TOTAL NEED</td>
<td>46</td>
<td>46</td>
</tr>
</tbody>
</table>

EV VEHICLE CHARGING STATIONS

- Required: 5
- Provided: 5

THE TOTAL PARKING REQUIRED FOR THE ADMINISTRATION BUILDING IS 1 SPACE PER 335 SQUARE FEET. AT 15,300 SF, THE REQUIRED SPACES TO MEET CODE IS 46. (CODE 27.64.160 SECTION 7.B).

BIKE PARKING

- Short Term: 2
- Long Term: 2

THE REQUIRED BIKE PARKING IS 1 SHORT TERM SPACE PER 20,000 SF AND 1 LONG TERM SPACE PER 10,000 SF. AT 15,300 SF 1 SHORT TERM AND TWO LONG TERM ARE REQUIRED FOR THE ADMINISTRATION BUILDING (CODE 27.64.262.7B).

LAB CART PARKING

- REQUIRED: 3
- PROVIDED: 3

MATCHLINE, SEE SHEET L3.04

EXISTING STAFF PARKING

- TOTAL PROVIDED: 46

BUILDING PARKING

- TOTAL PROVIDED: 1

MATCHLINE, SEE SHEET L3.05

EXISTING STAFF PARKING

- TOTAL PROVIDED: 46

MATCHLINE, SEE SHEET L3.08

EXISTING STAFF PARKING

- TOTAL PROVIDED: 1
CONCRETE PEDESTRIAN PATH

MATERIAL: VEHICULAR CONCRETE
COLOR/FINISH: INTEGRAL COLORED, SAND BLAST, SAW CUT JOINTS
USE: PEDESTRIAN PATH, BIKE PATH, EDUCATIONAL WALK, RESTING SPOT, VEHICULAR MAINTENANCE ACCESS
SIZE: 10' MINIMUM WIDTH

CONCRETE BENCHES

MANUFACTURER: CUSTOM DESIGN
COLOR/FINISH: INTEGRAL COLORED CONCRETE, SAND BLAST
MATERIAL: Poured in Place Concrete
SIZE: LENGTH VARIES (6', 8', 10')

SHORT TERM BIKE PARKING

MANUFACTURER: PALMER GROUP
PRODUCT: WELL CIRCULAR RACK
MATERIAL: SS SQUARE TUBING
COLOR/FINISH: SS #4 BRUSH FINISH
SPECIAL USE PERMIT FORMAL APPLICATION PACKAGE - MARCH 13, 2019

1. METAL FABRIC SCREEN
   - MANUFACTURER: GKD METAL FABRIC
   - PRODUCT: LAGOS PATTERN
   - MATERIAL: ASI TYPE 316 STAINLESS STEEL

2. TRANSLUCENT WALL PANELS
   - MANUFACTURER: ETECH
   - PRODUCT: LIGHT WALL SERIES 3440
   - MATERIAL: CELLULAR POLYCARBONATE
   - COLOR: TRANSLUCENT WHITE
1. **SITE CONTEXT**
2. **SITE HISTORY**
3. **BIORETENTION TREATMENT PROCESS**
4. **INDUSTRIAL PLANT TREATMENT PROCESS**

**SIGN A: EDUCATIONAL FEATURE**
- **PURPOSE:** INTERPRETIVE EDUCATIONAL PANEL
- **MANUFACTURER:** ZAHNER
- **PRODUCT:** IMAGE WALL
- **MATERIAL:** PERFORATED MARINE GRADE STEEL, TNIEMIC PAINT
- **COLOR:** BLUE
- **SIZE:** LENGTH VARIES (6', 8', 10')

**SIGN B: FOUNDATIONAL WORD**
- **PURPOSE:** INTERPRETIVE EDUCATIONAL PANEL
- **MANUFACTURER:** ZAHNER
- **PRODUCT:** IMAGE WALL
- **MATERIAL:** PERFORATED MARINE GRADE STEEL, TNIEMIC PAINT
- **COLOR:** BLUE
- **SIZE:** LENGTH VARIES (6', 8', 10')

**PRECEDENT IMAGERY**

---

**PROJECT:** PG&E HUNTERS POINT SHORELINE
**GRAPHIC DESIGNER:** MANUEL MIRANDA
**LANDSCAPE ARCHITECT:** RHAA
1. SITE SECURITY DIAGRAM

BUILDING EDGE FENCE, 8-FOOT HIGH CONCRETE WALL, 8-FOOT HIGH NOTE: SEE L3.02-L3.09 FOR MORE DETAIL

2. HIGH SECURITY FENCE AND GATES

MANUFACTURER: AMERISTAR
MODEL: WIREWORKS ANTI-CLIMB PANEL 3 RAIL
HEIGHT: 8-FOOT
MATERIAL: STEEL AND WELDED WIRE MESH

NOTES:
1. Additional heights available on request
2. (1) Hard-roll optional. (Some heights noted require the hard roll)
3. (1) 3" [76.2mm] x 2.75" [69.85mm] 12Ga. 1-Hour recommended for 8' [2438.4mm] height, 4" [101.6mm] x 2.75" [70.0mm] 1-Hour available for other heights.

36" [914.4mm] Min. post setting

2" [50.8mm] Nom.

8" [203.2mm] Nom.

Standard Height 8' [2438.4mm]
PLANTING APPROACH
The design proposes to use mainly low water use, native plants. Plants are salt tolerant due to high saline levels in the soil based on proximity to the Bay.

IRRIGATION APPROACH
The irrigation design will meet the Title 23 Model Water Efficient Landscape Ordinance adopted in December 2015. Due to the low water nature of the proposed plants, some areas may be able to be decommissioned after the first two years of establishment. The Estimated Total Water Use (ETWU), will be below the Maximum Applied Water Allowance (MAWA). The irrigation equipment will utilize water efficient technologies such as weather sensors and drip irrigation.

PLANTING REGIONS

<table>
<thead>
<tr>
<th>Regions</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Landscape</td>
<td>65,580 SF</td>
</tr>
<tr>
<td>Adjacent to J. Hart Clinton Drive</td>
<td>35,500 SF</td>
</tr>
<tr>
<td>Adjacent to Detroit Drive</td>
<td>3,916 SF</td>
</tr>
<tr>
<td>Total Landscape Area</td>
<td>124,000 SF</td>
</tr>
</tbody>
</table>
**PLANT LIST**

### TREES

<table>
<thead>
<tr>
<th>SYM</th>
<th>QTY</th>
<th>SCIENTIFIC NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>WATER USE</th>
<th>SPACING</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Chamaecyparis lawsoniana 'Pyramidalis'</td>
<td>Lawson Cypress</td>
<td>2'-6&quot;</td>
<td>M</td>
<td>5 GAL</td>
<td>5'-0&quot;</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Acer rubrum</td>
<td>Red Maple</td>
<td>20' O.C.</td>
<td>H</td>
<td>3'-0&quot;</td>
<td>2'-0&quot;</td>
</tr>
<tr>
<td>21</td>
<td></td>
<td>Acer saccharinum</td>
<td>Sugar Maple</td>
<td>10'-0&quot;</td>
<td>L</td>
<td>5'-0&quot;</td>
<td>3'-0&quot;</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Betula papyrifera</td>
<td>Paper Birch</td>
<td>30'-0&quot;</td>
<td>M</td>
<td>5'-0&quot;</td>
<td>4'-0&quot;</td>
</tr>
<tr>
<td>27</td>
<td></td>
<td>Fraxinus americana</td>
<td>American Elm</td>
<td>70'-0&quot;</td>
<td>L</td>
<td>7'-0&quot;</td>
<td>2'-0&quot;</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td>Ulmus parvifolia</td>
<td>Box Elder</td>
<td>70'-0&quot;</td>
<td>L</td>
<td>7'-0&quot;</td>
<td>2'-0&quot;</td>
</tr>
<tr>
<td>31</td>
<td></td>
<td>Picea glauca</td>
<td>White Spruce</td>
<td>100'-0&quot;</td>
<td>M</td>
<td>7'-0&quot;</td>
<td>2'-0&quot;</td>
</tr>
</tbody>
</table>

### SHRUBS AND GRASSES

<table>
<thead>
<tr>
<th>SYM</th>
<th>QTY</th>
<th>SCIENTIFIC NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>WATER USE</th>
<th>SPACING</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td>Calluna vulgaris</td>
<td>Lady's Mantle</td>
<td>1'-0&quot;</td>
<td>M</td>
<td>1 GAL</td>
<td>4'-0&quot;</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Eriogonum fasciculatum</td>
<td>Wild Buckwheat</td>
<td>6'-0&quot;</td>
<td>L</td>
<td>6'-0&quot;</td>
<td>3'-0&quot;</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Ficus carica</td>
<td>Fig</td>
<td>12'-0&quot;</td>
<td>M</td>
<td>12'-0&quot;</td>
<td>3'-0&quot;</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Rosa canina</td>
<td>Rose</td>
<td>3'-0&quot;</td>
<td>M</td>
<td>3'-0&quot;</td>
<td>2'-0&quot;</td>
</tr>
<tr>
<td>34</td>
<td></td>
<td>Rubus idaeus</td>
<td>Red Raspberry</td>
<td>3'-0&quot;</td>
<td>M</td>
<td>3'-0&quot;</td>
<td>2'-0&quot;</td>
</tr>
</tbody>
</table>

### NATIVE GRASS - SEED MIX A

<table>
<thead>
<tr>
<th>SYM</th>
<th>QTY</th>
<th>SCIENTIFIC NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>WATER USE</th>
<th>SPACING</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Festuca idahoensis</td>
<td>Idaho Fescue</td>
<td>1'-0&quot;</td>
<td>M</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Festuca arundinacea</td>
<td>Blue Grass</td>
<td>1'-0&quot;</td>
<td>M</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Festuca rubra</td>
<td>Red Fescue</td>
<td>1'-0&quot;</td>
<td>M</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Festuca pratensis</td>
<td>Tall Fescue</td>
<td>1'-0&quot;</td>
<td>M</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Festuca ovina</td>
<td>Timothy</td>
<td>1'-0&quot;</td>
<td>M</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
</tr>
</tbody>
</table>

### NATIVE GRASS - SEED MIX B

<table>
<thead>
<tr>
<th>SYM</th>
<th>QTY</th>
<th>SCIENTIFIC NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>WATER USE</th>
<th>SPACING</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Festuca rubra</td>
<td>Red Fescue</td>
<td>1'-0&quot;</td>
<td>M</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Festuca pratensis</td>
<td>Tall Fescue</td>
<td>1'-0&quot;</td>
<td>M</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Festuca ovina</td>
<td>Timothy</td>
<td>1'-0&quot;</td>
<td>M</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Festuca arundinacea</td>
<td>Blue Grass</td>
<td>1'-0&quot;</td>
<td>M</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Festuca idahoensis</td>
<td>Idaho Fescue</td>
<td>1'-0&quot;</td>
<td>M</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
</tr>
</tbody>
</table>
ALUMINUM STOREFRONT & CURTAIN WALL
MANUFACTURER: KAWNEER OR EQUAL
PRODUCT: 433 & 8600
MATERIALS: CLEAR ANODIZED ALUMINUM

HORIZONTAL BLADE SUNSHADES
MANUFACTURER: KAWNEER OR EQUAL
PRODUCT: VERSOLEIL SUNSHADE - SINGLE BLADE CLEAR ANODIZED ALUMINUM

ZINC ACCENT PANELS
MANUFACTURER: KINGSPAN OR EQUAL
PRODUCT: BENCHMARK ACM FACADE SYSTEM
MATERIALS: ZINC COMPOSITE PANELS
COLOR: ZINC BLUE

METAL WALL PANEL SYSTEM
MANUFACTURER: KINGSPAN OR EQUAL
PRODUCT: BENCHMARK ACM FACADE SYSTEM
MATERIALS: ALUMINUM COMPOSITE PANELS
COLOR: SILVERSMITH & PEWTER

HORIZONTAL OUTRIGGER SUNSHADES
MANUFACTURER: KAWNEER OR EQUAL
PRODUCT: VERSOLEIL SUNSHADE - OUTRIGGER SYSTEM CLEAR ANODIZED ALUMINUM

MANUFACTURER: KAWNEER OR EQUAL
PRODUCT: 451 & 1600 CLEAR ANODIZED ALUMINUM

METAL FABRIC SCREEN WITH GRAPHIC SIGNAGE
CONCRETE BASE
PAINTED STRUCTURAL COLUMN
LOUVERED MECHANICAL ENCLOSURE, BEYOND
PROCESS STRUCTURES; SEE A2.02

NORTH ELEVATION
© 2019 HDR

10048652

SPECIAL USE FORMAL APPLICATION PACKAGE - MARCH 1, 2019
San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project
City Project No. 46T003

ADMINISTRATION BUILDING
EAST AND WEST ELEVATIONS

MANUFACTURER: KAWNEER OR EQUAL
PRODUCT: VERSOLEIL SUNSHADE - SINGLE BLADE
MATERIALS: CLEAR ANODIZED ALUMINUM SUNSHADES

MANUFACTURER: KAWNEER OR EQUAL
PRODUCT: 451 & 1600 CLEAR ANODIZED ALUMINUM

MANUFACTURER: KINGSPLIN OR EQUAL
PRODUCT: BENCHMARK ACM FACADE SYSTEM
MATERIALS: ALUMINUM COMPOSITE PANELS
COLORS: SILVERSMITH & PEWTER

MANUFACTURER: GKD METAL FABRIC
PRODUCT: LAGOS PATTERN
MATERIALS: AS Hel TYPE 316 STAINLESS STEEL
COLOR: CLEAR ANODIZED ALUMINUM

MANUFACTURER: EXTECH LIGHTWALL SERIES 3440
PRODUCT: CELLULAR POLYCARBONATE
MATERIALS: TRANSLUCENT WHITE

SYSTEM COMPONENTS
- Flat & angle
- Flats with clevis
- Frame
- StealthLok
- StealthLok Sprung
- U-binding frame
- WIB - hooks and springs
- WIB - eyebolts top and bottom
- WIB - hooks and eyebolts

APPLICATIONS
- Solar Management
- Ceilings
- Safety and Security
- Partitions

Please refer to page 2 for Solar Control Data

WEST ELEVATION
EAST ELEVATION

SCALE: 1/8" = 1'-0"

108.7' (+0.00')
FIRST FLOOR
141' (+32.3')
TOP OF PLATE
104'
EXISTING GRADE
37'
118'
T.O. BASIN
PUMP STATION
ELEVATOR TO GALLERY
CONCRETE BASE
METAL FABRIC SCREEN
CONCRETE WITH REVEALS
ALUMINUM WINDOWS WITH SUNSHADES
ENTRY RAMP
EXTENDED CANOPY
LOUVERED MECHANICAL ENCLOSURE
SCREENING AT PROCESS STRUCTURE, SEE A2.02
EXTENDED CANOPY AT ENTRY
METAL FABRIC SCREEN WITH GRAPHIC SIGNAGE

SOUTH ELEVATION

- METAL WALL PANEL SYSTEM
- STAINLESS STEEL GUARDRAIL
- LOUVERED MECHANICAL ENCLOSURE
- CONCRETE WALL AT RAMP
- EXTERIOR STAIR TO BASINS
- STAINLESS STEEL GUARDRAIL
- LOUVERED MECHANICAL ENCLOSURE
- CONCRETE WALL AT RAMP

- HORIZONTAL OUTRIGGER SUNSHADES

- ZINC ACCENT PANELS

- STANDING SEAM METAL ROOF

- ADMINISTRATION BUILDING SOUTH ELEVATION

- LIGHT TUBE, TYP.
San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project
City Project No. 46T003

KEY ELEVATION - EAST
scale: 1" = 25'-0"

MBR EQUIPMENT & ELECTRICAL BLDG - EAST ELEVATION - DETAIL
scale: 3/32" = 1'-0"

LEGEND
1. ODOR CONTROL
2. CHEM. STOR.
3. CHEM. FACILITIES
4. PRIMARY EFFLUENT PUMP STATION & BRIDGE CRANE GALLERY & MONORAIL
5. Primary Clarifiers
6. Common Basins
7. BNR Basins
8. MBR Basins
9. MBR EQUIPMENT BUILDING
10. MBR ELECTRICAL BUILDING
11. HEADWORKS
12. ADMINISTRATION BUILDING
13. DUMPSTER BUILDING
14. DEBRIS/STORMFLOW COLLECTION STRUCTURES & ELECTRICAL BLDG
15. GENERAL SITE ITEMS
16. SPECIAL FOUNDATION ITEMS

KEY PLAN
scale: 1" = 100'-0"

COMPOSITE EAST ELEVATION
scale: 1" = 100'-0"

10048652 SPECIAL USE PERMIT FORMAL APPLICATION SUBMITTAL
SHEET NO.
SHEET OF
PROCESS STRUCTURES
- LM & MG
KB AS NOTED
A2.03

ARCHITECTS
3/1/2019

PROJECT No:
SCALE:
SUBMITTAL:
DATE:
DATE:
DATE:

3/13/2019
San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project
City Project No. 46T003

SPECIAL USE FORMAL APPLICATION PACKAGE - MARCH 13, 2019

Process Structures - Composite South Elevation

Key Elevation - South

Key Plan

See A2.03 & A2.05 for Headworks Structures Heights

See A2.02 & A2.05 for MBR Structures Heights

LEGEND

1. Control
2. Electrical Building
3. Dumpster Building
4. Headworks
5. Clarifiers
6. Chemical Facilities
7. Chemical Stor.
8. MBR Basins
9. MBR Equipment Building
10. Fine Screens
11. Administration Building
12. Administration Building

Headworks - South Elevation - Detail

Membrane Filtration Basins

MBR Equipment & Electrical Building - South Elevation - Detail

Membrane Filtration Basins

Access Ramp

Scale: 1" = 60'-0"
NORTH SOUTH SECTION THROUGH CLARIFIERS & BASINS
San Mateo WWTP Nutrient Removal and Wet Weather Flow Management Upgrade and Expansion Project
City Project No. 46T003

WAREHOUSE A3.01
FLOOR & ROOF PLANS

13, 2019

ENGINEERED BY
ARCHITECTS AS NOTED

DATE:
DATE:
DATE:

SPECIAL USE PERMIT FORMAL APPLICATION SUBMITTAL
LM & MG

SPECIAL USE FORMAL APPLICATION PACKAGE - MARCH 1, 2019

Scale: 1/8" = 1'-0"

PIPE STORAGE, TYP.
OIL/LUBE STORAGE
80 sf

WAREHOUSE
2,430 sf

CLEAN STORAGE
1,300 sf

UP MECH.
600 SF (TOTAL)

DESK
SKYLIGHT ABOVE, TYP.
ROOF CANOPY, TYP.

STANDING SEAM METAL ROOF
SKYLIGHTS, TYP.

STORAGE MEZZANINE
1,260 sf

OPEN TO WAREHOUSE BELOW

10048652

688 SF (TOTAL) SOLAR READY ZONE (15% OF TOTAL 4,000 SF ROOF AREA)

697'-0"
80'-0"

Scale: 1/8" = 1'-0"