MERRITT COLLEGE CENTER FOR SCIENCE AND ALLIED HEALTH
LANDSCAPE IMPROVEMENTS
12500 CAMPUS DRIVE
OAKLAND, CALIFORNIA

GENERAL NOTES
1. The changes and additions shall be made and accepted in accordance with the contract documents.
2. In the event of any conflict between the contract documents and any addenda, the contract documents shall control.
3. In the event of any conflict between the contract documents and the contract summary, the contract documents shall control.

LAYOUT NOTES
1. The interpretation of the above dimensions and coordinates shall be made in accordance with the contract documents unless otherwise noted.
2. All quantities and pay items are and will be based on horizontal measurements. Dimensions shown are from the face of finished earth.
3. The construction documents, the construction plans, and the contract documents shall be the basis for the construction of the project.
4. In the event of any conflict between the contract documents and the contract summary, the contract documents shall control.

ABBREVIATIONS
- P
t - Plant Line/Edge
- L
drainage line
- S
cut slope
- G
ground slope
- C
cut
cut
- F
cut fill
- F
cut fill
- T
trench
- D
drain
- I
drain
- B
basis
- P
cut fill
- T
trench
- D
drain
- I
drain
- B
basis

PROJECT LOCATION

SHEET INDEX
PLANTING NOTES

1. ALL PLANTING MUST BE PERFORMED BY DERRICK FULMER WITH CONTRACTOR AND UNDER THE SUPERVISION OF A GAS ISLAND HORTICULTURALIST.

2. ALL CONTRACTOR IS REQUIRED TO SUBMIT, FOR THE CONSTRUCTION OF THE CONTRACTOR, IN CONFORMITY WITH THE SPECIFICATIONS OF THE CONTRACT.

3. ALL PLANTING MUST BE PERFORMED IN CONFORMITY WITH THE SPECIFICATIONS OF THE CONTRACT. ALL PLANTING MUST BE PERFORMED IN CONFORMITY WITH THE SPECIFICATIONS OF THE CONTRACT. ALL PLANTING MUST BE PERFORMED IN CONFORMITY WITH THE SPECIFICATIONS OF THE CONTRACT.

4. PLANTING HOURS: 8:00 AM TO 5:00 PM. ALL PLANTING MUST BE PERFORMED IN CONFORMITY WITH THE SPECIFICATIONS OF THE CONTRACT. ALL PLANTING MUST BE PERFORMED IN CONFORMITY WITH THE SPECIFICATIONS OF THE CONTRACT.

5. PLANTING MATERIAL: ALL PLANTING MUST BE PERFORMED IN CONFORMITY WITH THE SPECIFICATIONS OF THE CONTRACT. ALL PLANTING MUST BE PERFORMED IN CONFORMITY WITH THE SPECIFICATIONS OF THE CONTRACT.

6. PLANTING MATERIAL: ALL PLANTING MUST BE PERFORMED IN CONFORMITY WITH THE SPECIFICATIONS OF THE CONTRACT. ALL PLANTING MUST BE PERFORMED IN CONFORMITY WITH THE SPECIFICATIONS OF THE CONTRACT.

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8. PLANTING MATERIAL: ALL PLANTING MUST BE PERFORMED IN CONFORMITY WITH THE SPECIFICATIONS OF THE CONTRACT. ALL PLANTING MUST BE PERFORMED IN CONFORMITY WITH THE SPECIFICATIONS OF THE CONTRACT.

PLANTING LIST

- TREES
- SHRUBS
- GRASSES

PLANT LEGEND

- Tree Name
- Species
- Size
- Location

EXISTING PLANT MATERIAL

- Trees
- Shrubs
- Grasses

PLANTING AREAS

- PLANTING:
- SOILS:
- EXISTING PLANT MATERIAL:
- IRERRUPTION:
- UTILITIES:
- LAWN:

SOIL SPECIFICATIONS

- SOIL IS TO BE AMENDED, AT THE RATE INDICATED BY THE SOIL ANALYSIS, TO BRING THE SOIL ORGANIC.

PLANTING MATERIAL

- CONTRACTOR SHALL PROVIDE IMPORTED TOPSOIL FOR ALL PLANTING AREAS PER DRAWINGS AND

IRRIGATION SYSTEMS

- ALL EXISTING PLANT MATERIAL, TREES, OR LAWN TO REMAIN MUST BE PROTECTED AND MAINTAINED

EROSION CONTROL

- ALL HYDROSEED SHALL BE FULLY ROOTED AND ESTABLISHED PRIOR TO OCTOBER 15TH.

PLANT LEGEND

- TREE NAME
- PLANT LEGEND
- PLANT LEGEND

PLANT LIST

- Tree Name
- Species
- Size
- Location

L1.2

PLANTING LIST & LEGEND

PROJECT NUMBER

DRAWN:

CHECK:

DATE:

SCALE:

FOR ADDITIONAL INFORMATION CONTACT:

T 925.736.8176  www.dgates.com
19. When vertical obstructions (street lights, trees, fire hydrants, etc.) interfere with the spray pattern, prior to trenching, call underground service alert, (1-800) 227-2600 for northern California.

20. Upon completion of installation of spray heads, the irrigation contractor shall flush and adjust all sprinkler heads for optimum performance and to prevent over-spray onto walks, roadways and/or buildings. All adjustments shall be made at no additional cost to the owner.

21. The irrigation contractor shall familiarize himself with all grade differences, existing site conditions and to provide proper coverage. All adjustments shall be made at no additional cost to the owner.

22. It is the responsibility of the irrigation contractor to familiarize himself with all sprinkler heads, location of walls, existing site conditions and to coordinate with the general contractor and all other subcontractors for the location and installation of pipe sleeves through walls, under roadways, paving, structural, etc.

23. The irrigation contractor shall adjust all sprinkler heads for optimum performance and to prevent over-spray onto walks, roadways, and/or buildings. All adjustments shall be made at no additional cost to the owner.

24. Upon completion of installation of spray heads, the irrigation contractor shall flush and adjust all sprinkler heads for optimum performance and to prevent over-spray onto walks, roadways, and/or buildings. All adjustments shall be made at no additional cost to the owner.

25. The irrigation contractor shall coordinate his work with the general contractor and all other subcontractors for the location and installation of pipe sleeves through walls, under roadways, paving, structural, etc.

26. In the event of damage or loss of valves, fire hydrants, sprinkler heads, or any other sprinkler system component resulting from any act, accident, or force of nature, the irrigation contractor shall repair or replace the damaged apparatus at no additional cost to the owner.

27. The irrigation contractor shall coordinate his work with the general contractor and all other subcontractors for the location and installation of pipe sleeves through walls, under roadways, paving, structural, etc.

28. The irrigation contractor shall coordinate his work with the general contractor and all other subcontractors for the location and installation of pipe sleeves through walls, under roadways, paving, structural, etc.

29. The irrigation contractor shall coordinate his work with the general contractor and all other subcontractors for the location and installation of pipe sleeves through walls, under roadways, paving, structural, etc.

30. The irrigation contractor shall coordinate his work with the general contractor and all other subcontractors for the location and installation of pipe sleeves through walls, under roadways, paving, structural, etc.
1. Assemble and install exhaust headers in accordance with details. Tape or plug all open connections.

2. Install all high-purity valves in accordance with details. Tap for flush connections to prevent back contamination.

3. Assemble and install exhaust headers in accordance with details. Tape or plug all open connections.

4. Install all high-purity valves in accordance with details. Tap for flush connections to prevent back contamination.

5. Install all high-purity valves in accordance with details. Tap for flush connections to prevent back contamination.

6. Assemble and install exhaust headers in accordance with details. Tape or plug all open connections.

7. Assemble and install exhaust headers in accordance with details. Tape or plug all open connections.

8. Thorough flushing of each installation segment is necessary to ensure that no debris is left in the system.

9. Locate and install check valve(s) as needed and as shown in installation details.

10. See irrigation notes, legend/specifications for additional information.

11. All trees to be planted within center of drip line runs.
### WATER USE CALCULATIONS

**ISSUE:**

2671 CROW CANYON RD. SAN RAMON, CA 94583

**GATE PLANNING + LANDSCAPE DESIGN**

**SCALE:**

06/10/2015

**URBAN DESIGN - ARCHITECTURE**

**DATE:**

06/10/15

**DESCRIPTION:**

BID SET SUBMITTAL

**DESIGN CHECKER:**

GATES + ASSOCIATES

**MODEL:**

L4.6

**SCALE:**

1" = 20'-0"

### FILTER INSTALLATION DETAIL

- **NTS:**
  - **FILTER INSTALLATION DETAIL**
  - **PRESSURE REGULATOR**
  - SENNINGER 1" PMR-MF-30 IN-LINE
  - PVC MAIN LINE TO IRRIGATION SYSTEM
  - VALVE (NO SOIL IN VALVE)
  - PEA GRAVEL - 4" DEEP BELOW
  - SCH. 80 PVC MALE ADAPTER (2 TOTAL)

### WATER USE CALCULATIONS

#### Water calculation worksheet for the Model Water Efficient Landscape Ordinance AB 1881

- **Total Landscape Area (TA):** 44,997
- **Landscape Coefficient (KL):** 0.7
- **Efficiency (IE):** 0.62
- **Efficiency Conversion Factor to gallons per minute:** PSI Operating pressure required

#### Estimated Total Water Use (ETWU)

<table>
<thead>
<tr>
<th>Plant Type</th>
<th>Hydrozone</th>
<th>Irrigation Method</th>
<th>Area (sf)</th>
<th>% of LA</th>
<th>PR</th>
<th>Eto</th>
<th>Ks</th>
<th>Kd</th>
<th>Kmc</th>
<th>KL</th>
<th>IE</th>
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<td>Shrubs L</td>
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<td>6&quot;</td>
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<td>0.3</td>
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</tbody>
</table>

#### Conversion

- **ETWU = (ETo)(0.62)**
- **ET LA = 0.3 SLA**
- **Gallons per year**

#### Maximum Applied Water Use (MAWA)

- **MAXIMUM APPLIED WATER ALLOWANCE:**
  - **ETWU:** 618,520
  - **Total LA:** 44,997
  - **KL:** 0.7
  - **IE:** 0.62

#### Total area

- **Total area:** 44,997
- **TOTAL WATER APPLIED:** 618,520
- **Difference between MAWA & ETWU:** 107,350
- **% ETWU is under MAWA:** 24%