| PLANT GROUP | PLANT NO. | SYMBOL | BOTANICAL NAME | COMMON NAME | Size | QUANTITY EACH | HOE SIZE (INCH) | RAIN TYPE | FERTILIZER | SOIL AMEND | COMMERCIAL | BASIN MULT | PLANTING LIMITS | REMARKS |
|-------------|-----------|--------|----------------|-------------|------|---------------|----------------|-----------|-------------|------------|------------|------------|----------------|----------------|----------|
| A           | 1         | Φ      | ARIZIPHANTUS BARKO BURSONSY | BUSH ELEGANCE BARGO BARK | NO. 1 | 168 | 2 | 2 | - | - | - | - | - | - | - | 1.5 | SMUIR, LOW MU |
|             | 2         | Φ      | CARYA ALBA | CHEMICAL SEED | NO. 1 | 95 | 2 | 2 | - | - | - | - | - | - | - | 2 | GRASS, LOW MU |
|             | 3         | Φ      | GASTY ABA | DUNE SEED | NO. 1 | 353 | 2 | 2 | - | - | - | - | - | - | - | 1 | GRASS, MOD MU |
|             | 4         | Φ      | JONICERATUM EXUSSUM | EL CAMPO CAPE RUSH | NO. 1 | 42 | 2 | 2 | - | - | - | - | - | - | - | 2 | GRASS, LOW MU |
|             | 5         | Φ      | JASONIA EXUSSUM | RED AUSTRALIAN PINE | NO. 1 | 111 | 2 | 2 | - | - | - | - | - | - | - | 2 | SMUIR, MOD MU |
|             | 6         | Φ      | JAVELINA ZACAPA | LITTLE HEY FLAX LIV | NO. 1 | 65 | 2 | 2 | - | - | - | - | - | - | - | 2 | FEDERAL, MOD MU |
|             | 7         | Φ      | JAVELINA ZACAPA | SERRANO BLUE PEGUE | NO. 1 | 58 | 2 | 2 | - | - | - | - | - | - | - | 2 | GRASS, LOW MU |
|             | 8         | Φ      | JAVELINA ZACAPA | CANYON SNOW DOUGLAS FIR | NO. 1 | 72 | 2 | 2 | - | - | - | - | - | - | - | 2 | FEDERAL, LOW MU |
|             | 9         | Φ      | AMPHUS PERSIEN ELA GRAY | CALIFORNIA GRAY RUSH EL GRAY | NO. 1 | 42 | 2 | 2 | - | - | - | - | - | - | - | 2 | FEDERAL, LOW MU |
|             | 10        | Φ      | LUMBAGROUS LUMBAGROUS LUMBAGROUS | LUMBAGROUS LUMBAGROUS LUMBAGROUS | NO. 1 | 16 | 2 | 2 | - | - | - | - | - | - | - | 3 | SMUIR, LOW MU |
|             | 11        | Φ      | LUMBAGROUS LUMBAGROUS LUMBAGROUS | SMART WAT RUSH | NO. 5 | 14 | 2 | 2 | - | - | - | - | - | - | - | 4 | SMUIR, MOD MU |
|             | 12        | Φ      | LUMBAGROUS LUMBAGROUS LUMBAGROUS | YANKEE POINT CEDARNUT | NO. 5 | 8 | 2 | 2 | - | - | - | - | - | - | - | 8 | SMUIR, LOW MU |
|             | 13        | Φ      | LUMBAGROUS LUMBAGROUS LUMBAGROUS | CORAL HONEYBEECH | NO. 5 | 50 | 2 | 2 | - | - | - | - | - | - | - | 4 | VINE, MOD MU |
|             | 14        | Φ      | LUMBAGROUS LUMBAGROUS LUMBAGROUS | DEER GRASS | NO. 5 | 43 | 2 | 2 | - | - | - | - | - | - | - | 3 | SMUIR, LOW MU |
|             | 15        | Φ      | LUMBAGROUS LUMBAGROUS LUMBAGROUS | EUPHRAE SIEROS | NO. 5 | 46 | 2 | 2 | - | - | - | - | - | - | - | 3 | SMUIR, LOW MU |
|             | 16        | Φ      | LUMBAGROUS LUMBAGROUS LUMBAGROUS | CREAM FELT LEAF | NO. 5 | 25 | 2 | 2 | - | - | - | - | - | - | - | 5 | SMUIR, LOW MU |
|             | 17        | Φ      | LUMBAGROUS LUMBAGROUS LUMBAGROUS | QUIT PLAX | NO. 5 | 5 | 2 | 2 | - | - | - | - | - | - | - | 3 | SMUIR, LOW MU |
|             | 18        | Φ      | ADEPT TRISTANIA X A. PLANTA- | PACIFIC SUNSET MAPLE | 24" BOX | 3 | 2 | 2 | - | - | - | - | - | - | - | N/A | TREE, SINGLE, MOD MU |
|             | 19        | Φ      | ADEPT TRISTANIA X A. PLANTA- | PRINCEPESSEYと同じ | 24" BOX | 34 | 2 | 2 | - | - | - | - | - | - | - | 0 | TREE, SINGLE, AT CURVATURE |
|             | 20        | Φ      | ADEPT TRISTANIA X A. PLANTA- | PRINCEPESSEYと同じ | 24" BOX | 34 | 2 | 2 | - | - | - | - | - | - | - | 0 | TREE, SINGLE, AT CURVATURE |
|             | 21        | Φ      | ADEPT TRISTANIA X A. PLANTA- | SAINT BARTHOLOMEW | 24" BOX | 9 | 2 | 2 | - | - | - | - | - | - | - | 0 | TREE, MODERATE MU |

**Note:**
- Quantities shown are the plant unless shown as.
- Size not applicable on plans.
- A plant shown on plans is a plant shown on plans.
- Sufficient to reduce moisture
- See applicable details
- See special provisions
- See standard specifications
- Per site reports to be performed by contractor

**Abbreviations:**
- EAST BAY BUS RAPID TRANSIT PROJECT
- ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

**Project Number:**
- 2011-1771

**Design Firm:**
- East Bay Bus Rapid Transit Project
- Parsons

**Architect:**
- East Bay Bus Rapid Transit Project
- Parsons

**Community Design + Architecture:**
- Alameda - Contra Costa Transit District
**ABBREVIATIONS:**

<table>
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<tr>
<th>ACT</th>
<th>COUNTY TRANSIT DISTRICT</th>
<th>EMERGENCY VEHICLE</th>
<th>MAX</th>
<th>MIN</th>
<th>OZ</th>
<th>POUND</th>
<th>SQUARE YARD</th>
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<tr>
<td>20</td>
<td>ALAMEDA-CONTA COSTA</td>
<td>MARKET</td>
<td>100</td>
<td>500</td>
<td>25</td>
<td>5000</td>
<td>2500</td>
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**APPLICABLE WHEN CIRCLED:**

1. Quantities shown are for the plant unless otherwise shown.
2. Does not apply to mulch areas.
3. Does not apply to planting plans.
4. Does not apply to special plantings.
5. Does not apply to structural plantings.
6. See applicable details.
7. See special provisions.
8. See standard specifications.
9. See special quantities.
10. See special requirements.

**KEY TO HORTICULTURAL TREATMENTS AND REQUIREMENTS:**

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Description</th>
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<tbody>
<tr>
<td>1. <strong>Shaped concrete</strong></td>
<td>Concrete-based design with specific shapes and sizes. See specifications for color and pattern.</td>
</tr>
<tr>
<td>2. <strong>Planted concrete</strong></td>
<td>Concrete blocks or slabs planted with plants. See specifications for color and pattern.</td>
</tr>
<tr>
<td>3. <strong>Shaped metal</strong></td>
<td>Metal frames or shapes used in landscaping. See specifications for color and pattern.</td>
</tr>
<tr>
<td>4. <strong>Metal framing</strong></td>
<td>Metal structures used in landscaping. See specifications for color and pattern.</td>
</tr>
<tr>
<td>5. <strong>Gravel</strong></td>
<td>Crushed stone or gravel used in landscaping. See specifications for color and pattern.</td>
</tr>
</tbody>
</table>

**NOTE:**

- Pattern and hatches shown on plan sheets do not indicate the true alignment of shaped concrete patterns laid out and shaped stone laid out. See sheet notes.
PLANTING NOTES

1. NO PLANTING SHOULD BE STARTED UNTIL THE ENGINEER HAS APPROVED FINISH GRADE.

2. PLANTS SHALL CONFORM TO THE STATE OF CALIFORNIA GRADING CODE OF NURSERY STOCK, NO. 1 GRADE AND SHALL BE IN PRIME CONDITION WHEN INSTALLED AND ACCEPTED. SEE PLANTING SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING QUALITY, TRANSPARENCY, PLANTING, ETC. ALL PLANT MATERIAL IS SUBJECT TO THE APPROVAL OF THE ENGINEER. ALL PLANTS SHALL BE OF THE COLORS, SPECIES, VARIETIES, PLANTING AND PLACEMENT SHOWN ON THE PLAN. NO SUBSTITUTIONS ARE ACCEPTABLE EXCEPT WITH THE WRITTEN CONSENT OF THE ENGINEER.

3. TREES MUST HAVE AN UNROOT LEADER THAT HAS A UNIFORM TAPER FROM BASE TO TOP. TREES MUST BE AT LEAST NORMAL CALIBER AND HEIGHT FOR CONTAINER SIZE. OVERGROWN OR MIST-BOUND TREES ARE NOT ACCEPTABLE.

4. QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR PURCHASING PLANT QUANTITIES AS GRAPHICALLY REPRESENTED ON THE DRAWINGS.

5. SEE SPECIFICATIONS FOR TESTING OF EXISTING SITE AND IMPORTED TOPSOIL, AS WELL AS DETERMINATION OF APPROPRIATE AMENDMENTS. TESTING REQUIREMENTS PERTAIN TO THE USE OF SITE OR IMPORTED TOPSOIL.

6. NO PLANT CUTTINGS OR CONSTRUCTION DREDGES ALONG A MINIMUM OF TWO MILES OF WORKING DAILY PRIOR TO ANY CONSTRUCTION ACTIVITY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING IMPROVEMENTS, UTILITIES, ETC. AS A RESULT OF THIS WORK, ALONG WITH OR REPLACE THE DAMAGED ITEMS AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.

7. EXISTING TREES AND THEIR ROOTS SHALL BE PROTECTED FROM DAMAGE BY CONSTRUCTION ACTIVITIES. LOCATIONS FOR PLANT HOLES MUST BE STATED IN THE DRAWING AND PRIOR TO INSTALLATION, NO HOE CUTS OR HOE CUTS OR REMOVE ANY TREE ROOTS WITHOUT PRIOR APPROVAL FROM THE PROJECT ARCHITECT OR ENGINEER. REFER TO SPECIFICATIONS AND THEIR PREVIOUS HOE PAGES FOR SPECIFICATIONS. PROTECTION MEASURES TO EXISTING TREES DURING CONSTRUCTION.

8. NO DUMPING ENCOURAGED. IF PLANT LOCATIONS REQUIRE ADJUSTMENT DUE TO UNDERGROUND OR ABOVE-GROUND UTILITIES, STRUCTURES, AND TO COMPLY WITH PUBLIC AND/or OWNER REQUIREMENTS FOR SETBACKS, ETC., PRIOR TO PLANT INSTALLATION, ENGINEER'S APPROVAL IS REQUIRED FOR ADJUSTMENTS IN LOCATIONS. PRIOR TO INSTALLATION, ALL COSTS ASSOCIATED WITH ADJUSTMENTS IN PLANT LOCATIONS WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE, AND FOR THE WORKS HE/she WORK AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED THEREFORE.

9. THE CONTRACTOR'S REPRESENTATIVE MUST BE NOTIFIED TO MAKE SUBSTITUTIONS, ADJUSTMENTS, AND SELECTIONS IN THE PLANTING SCHEME AS THEY ARE NECESSARY WHILE WORK IS IN PROGRESS. SUCH CHANGES ARE TO BE ACCOMPANYED BY COMPLETE ADJUSTMENTS IN THE CONTRACT PRICE, IF NEEDED NECESSARY.

10. ALL TREES MUST BE PLANTED PER DETAIL. MINIMUM HEIGHTS OF TREES SHALL BE A 6'-0" MINIMUM ABOVE FINISH GRADE.

GENERAL LANDSCAPE NOTES

1. CONTRACTOR SHALL EXERCISE ALL CAUTION DURING CONSTRUCTION TO PROTECT ANY EXISTING LANDSCAPING, FENCES, HOE, EQUIPMENT, AND OTHER файла. CONCRETE CORDS AND CURB, AND AS TO PREVENT ANY DAMAGE RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE PROJECT ENGINEER AT NO ADDITIONAL COST.

2. CONTRACTOR SHALL REPAIR ALL EXISTING PRIVATE AND PUBLIC IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO THEIR EXISTING CONDITION OR BETTER IF INCLUDED BUT NOT LIMITED TO LANDSCAPING, INSTALLATION, TOOLS, STRUCTURES, HOE, AND CONCRETE WORK AND MATERIALS, UNLESS NOTED ON DRAWING OTHERWISE BY ENGINEER.

3. THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTIONS, WHETHER ABOVE-GROUND AND UNDERGROUND, INCLUDING VEGETATION, HOE, AND SELECTED MATERIALS, AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

4. ANY SPECIFICATIONS DETAIL IS SHOWN, THE CONTRACTOR SHALL BE SIMILAR TO THAT INDICATED ON DRAWINGS AND DETAILS TO SPECIFICATIONS AND LOCATIONS SHALL NOT LIMIT THEIR APPLICABILITY.

5. ALL HOE AND VERTICAL DIMENSIONS PROVIDED ON THE DRAWINGS ARE APPROPRIATE FIELD MEASUREMENTS MAY VARY FROM THOSE ON THE DRAWINGS, ADJUSTMENTS TO LINE AND GRADE MAY BE MADE BY THE ENGINEER DURING CONSTRUCTION.
TREE E #222, TO BE TRANSPLANTED. SEE SHEET L020 FOR TREE PRESCRIPTION R02.

TRANSPLANTED EXISTING NO. 222. MEASURE AND RELOCATE ALL EXISTING NO. 222 TREES NOT TO BE TRANSPLANTED.

WARNING: TREE PLANTING AND TRIMMING MUST BE PERFORMED BY PROFESSIONAL. EXISTING TREE PLANTING AND TRIMMING MUST BE APPROVED BY THE ENGINEER.

FIELD VERIFICATION IS REQUIRED FOR ALL PLANTED TREES. SEE SHEET L020 FOR FURTHER INFORMATION.

HARDSCAPE AND LANDSCAPE PLAN
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT
EAST BAY BUS RAPID TRANSIT PROJECT

HARDSCAPE QUANTITY TABLE PER SHEET

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<tr>
<th>HARDSCAPE</th>
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GRAPHIC SCALE

COMMUNITY DESIGN + ARCHITECTURE

AECOM - CONTRA COSTA TRANSIT DISTRICT

ACI EAST BAY BUS RAPID TRANSIT

HARDSCAPE AND LANDSCAPE PLAN

DRAWN:

PARSONS

2011-1177

DATE: 812
NOTE: LOCATION OF CURBSIDE REPLACEMENT TREE BASED ON GSE DATA FOR LOCATION OF EXISTING TREE. CONTACTOR TO MARK PROPOSED LOCATION OF REPLACEMENT TREE AND EFFECT OF NEW TREE WELD IN FIELD FOR ENGINEER'S APPROVAL OF FINAL LOCATION.

HARDCORE QUANTITY TABLE

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<td>ED</td>
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<tr>
<td>SF</td>
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<td>TEE</td>
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<td>CRD</td>
<td>260 CRD</td>
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GRAPHIC SCALE

REFERENCE: DRAWING OF THE STATE ARCHITECT

EAST BAY BUS RAPID TRANSIT PROJECT

HARDCORE AND LANDSCAPE PLAN

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE

2011-1177

L131

PROJECT NUMBER 836
INTERNATIONAL BLVD

7350 AVE STATION, MEDIAN PLATFORM

7350 AVE STATION, PLATFORM, SEE ARCHITECT'S DRAWINGS

20'-0"  2'-11"  2'-9"  4'-10"

1 16'-8"

TREE PLANTING, SEE DETAIL 1/2/01

1 TLA ACE

18'-8"

746

HARDSCAPE

QUANTITY TABLE
F6 SHEET

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<td>300 SF</td>
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<td>2 EA</td>
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<td>6 SF</td>
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NOTE: LOCATION OF CURB SIDE REPLACEMENT TREE BASED ON GIS DATA FOR LOCATION OF EXISTING TREE. CONTRACTOR TO MARK PROPOSED LOCATION OF REPLACEMENT TREE AND ENSURE NEW TREE WELL IN THE FIELD FOR ENGINEER'S APPROVAL OF FINAL LOCATION.
NOTE: LOCATION OF CURBSIDE REPLACEMENT TREE BASED ON GS DATA FOR LOCATION OF EXISTING TREE. CONTRACTOR TO MARK PROPOSED LOCATION OF REPLACEMENT TREE AND EXTENT OF NEW TREE WELL IN THE FIELD FOR ENGINEER'S APPROVAL OF FINAL LOCATION.

INTERNATIONAL BLVD
L166B

EAST BAY BUS RAPID TRANSIT PROJECT
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

HARDCORE AND LANDSCAPE PLAN

NOTE: LOCATION OF CURB SIDE REPLACEMENT TREE BASED ON GIS DATA. FOR LOCATION OF
EXISTING TREE, CONTRACTOR TO WORK PROPOSED LOCATION OF REPLACEMENT TREE AND
EFFECT OF NEW TREE WELL IN THE FIELD FOR ENGINEER'S APPROVAL OR FINAL LOCATION.

41°5'" TREE PLANTING: SEE DETAIL 4/3/2011
3' PER AGE

FIELD SPECIFY NUMBER, SPECIES, AND CIRCUMFERENCE.
FINAL TREE WELL SIZE AS DIRECTED BY THE ENGINEER.

INTERNATIONAL BLVD

823

824

825

96TH AVE

HARDCORE QUANTITY TABLE

PER SHEET

TOTAL

CR01 50 SF

GRAPHIC SCALE
COMMUNITY
DESIGN +
ARCHITECTURE

2011-1177

CA

1
EAST BAY BUS RAPID TRANSIT PROJECT
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

HARDCORE AND LANDSCAPE PLAN

NOTE: LOCATION OF CUMMINS REPLACEMENT TREE BASED ON DRA FOR LOCATION OF
EXISTING TREE. CONTRACTOR TO DOC PROPOSED LOCATION OF REPLACEMENT TREE AND
EFFECT OF NEW TREE WELL IN THE FIELD FOR ENGINEER'S APPROVAL OF FINAL LOCATION.

HARDCORE QUANTITY TABLE

PER SHEET

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<td>DRUMS</td>
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COMMUNITY DESIGN + ARCHITECTURE

EAST BAY BUS RAPID TRANSIT PROJECT

SITE PLAN, SHEET 5/1201

STATION PLATFORMS, SEE ARCHITECTS DRAWINGS

DURANT AVE/STATION MEDIAN PLATFORM

DURANT AVE/STATION MEDIAN PLATFORM

STATION PLATFORMS, SEE ARCHITECTS DRAWINGS

HARDCORE AND LANDSCAPE PLAN

EAST BAY BUS RAPID TRANSIT PROJECT

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

HARDCORE AND LANDSCAPE PLAN
1. TREE PLANTING IN SHEET MULCH

2. GRASS, GROUNDCOVER AND SHRUB PLANTING

3. GRASS, GROUNDCOVER AND SHRUB PLANTING ON BIODRIPETION AREA DETAIL

4. VINE PLANTING ON WIREMESH SCREEN FENCE DETAIL
PLANT SPACING AS SHOWN ON PLANS
PLANTING BED

NOTES:
1. X = SPACING DIMENSION LISTED IN PLANTING PLANS.
2. X TO BE APPROXIMATED IN EQUILATERAL TRIANGULAR PATTERN.
3. PLANT SIDE DAVIES PLANTS AT INTERVALS NOT TO OVERLAP CURB OR GEODRAIN.
4. X TO BE PARALLEL TO ADJACENT CURB OR CURB.
5. IN SOME WIDER PLANTS MAY NEED TO BE LOCATED CLOSER TOGETHER TO
FILL IN NARROW SECTIONS IN PLANTING BEDS.

1. TRIANGULAR PLANT SPACING DETAIL

2. DECOMPOSED GRANITE BAND WITH REDWOOD HEATHER BOARD EDGING

3. DECOMPOSED GRANITE BAND WITH REDWOOD BENDER BOARD EDGING
1. TYPICAL TACTILE CONCRETE PAVEMENT STRIP WITH ETCHED FINISH
   AT CURBSIDE STATIONS
   SCALE 1/16" = 1'-0"

2. TYPICAL TACTILE CONCRETE PAVEMENT STRIP WITH ETCHED FINISH
   AT CURBSIDE RAMPS TO MEDIAN STATIONS
   SCALE 1/16" = 1'-0"

3. TACTILE CONCRETE PAVEMENT STRIP WITH ETCHED FINISH
   AT AVENIDA DE LA FUNTE
   SCALE 1/16" = 1'-0"
<table>
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<th>Condition Rating</th>
<th>Comments</th>
<th>Preservative Measures</th>
<th>Size</th>
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<td>40.00</td>
<td>4.00</td>
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**EAST BAY BUS RAPID TRANSIT PROJECT**

**ALAMEDA - CONTRA COSTA TRANSIT DISTRICT**

**TREE PROTECTION ACTION KEY (TPAK)**

**L301**

**PARSONS**

**DATE: 2011-1177**

**THE TREES AFFECTED HAVE BEEN IDENTIFIED IN RED**

**THE TREES IDENTIFIED ARE TO BE MARKED FOR REMOVAL**

**NOTES:** Additional trees may require removal due to specific conditions found in the field during construction.
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<th>Botanical Name</th>
<th>Condition Rating</th>
<th>Disease</th>
<th>Insect</th>
<th>Pest Control</th>
<th>Pruning</th>
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</table>

**ADDITIONAL NOTES:**

1. The current location and detailed information of trees affected by the project have been determined from localized field assessments and plans. Eyeball-based on topographical and improvement area files provided by the Engineer. However, new and changed circumstances may be expected along the corridor as trees can be removed for other reasons or planted.

2. The contractor and contract arborist shall verify all tree locations, impacts, and conditions prior to construction and/or tree treatment or removal.

3. Pre-construction meetings shall be held prior to commencement of construction/landscape activity. Owners, design team members, project arborists, landscape arborists, and/or contract arborists and landscape contractors shall attend.

4. The inspection of these trees was conducted solely of a visual inspection within the corridors. New trees, through techniques are available for inspection and evaluation. These methods were neither requested nor considered necessary at this time.

5. Trees rated "poor" or "died" that are not recommended for removal due to construction impact may warrant further evaluation and/or treatment or removal.

6. If it is the responsibility of the site contractor and contract arborist to alert the engineer of any changed circumstances from this tree protection action plan concerning additional trees that would need to be removed on meeting the provisions as part of the project prior to construction impacts occurring. Once notified, the engineer shall review the new information and provide the contract arborist direction.

7. Any additional trees to be removed shall be placed on a 1:1 basis. Engineering to work with city to determine appropriate location for new tree plantings.

8. Approximately 65 additional trees remain to be field assessed for potential impacts and final determination of recommendations for removal or activism of existing preservation measures.