CITY OF ARVIN
STATE OF CALIFORNIA

EROSION AND SEDIMENT CONTROL
BEST MANAGEMENT PRACTICES

A) CATCH BASIN/INLET PROTECTION

B) EQUIPMENT MAINTENANCE AREAS

C) STABILIZED CONSTRUCTION ENTRANCE

D) EROSION CONTROL

E) MATERIAL STORAGE

F) CONCRETE WASTE MANAGEMENT

G) VEHICLE/ EQUIPMENT FUELING

H) SILT FENCE

BEST MANAGEMENT PRACTICES (BMP’s)

GENERAL NOTES:
1. GENERAL MANAGEMENT STRATEGY IS CONCENTRATED AROUND PREVENTION OF SEDIMENT COLLECTION AND TRANSPORT TO CONSTRUCTION AREAS.
2. ALL CONSTRUCTION ACTIVITY SHALL BE DESIGNED TO MINIMIZE SEDIMENT MOVEMENT TO CONSTRUCTION AREAS.
3. A SEDIMENT AND EROSION CONTROL PLAN IS REQUIRED FOR EACH SPECIFIC PROJECT.

NOTES:
1. Erosion and erosion control measures shall be developed for each specific project.
2. Erosion and erosion control measures shall be designed for each specific project.
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REFERENCES:
1. Reference 1
2. Reference 2
3. Reference 3
4. Reference 4
5. Reference 5
CITY OF ARVIN
CIVIL DEVELOPMENT PLANS FOR
URBAN GREENING PATHWAYS PROJECT

LANDSCAPE SITE PLAN LEGEND
- LANDSCAPE BOUNDARY
- SEADA-BOARD HEADER. (See PLANTING DETAILS)
- MATCH LINE
- HYDROZONE A - DEEP ROOT TREE BUBBLERS, (See IRRIGATION PLAN & IRRIGATION DETAILS)
- HYDROZONE B - Dripperline SHRUB WATERING, (See IRRIGATION PLAN & IRRIGATION DETAILS)
- HYDROZONE C - OVERHEAD SPRAY WATERING, (See IRRIGATION PLAN & IRRIGATION DETAILS)

TOTAL NEW LANDSCAPE AREA(S) TO BE INSTALLED
ARVIN URBAN GREENING GRANT: 36,515 Sq. Ft.
TOTAL: 36,515 Sq. Ft.

HYDROZONE CALCULATIONS

<table>
<thead>
<tr>
<th>Hydrozone</th>
<th>Use Setting</th>
<th>Total Area (sq. ft)</th>
<th>Area Coverage</th>
<th>Percent Coverage</th>
<th>Hydrozone Use Setting Multiplied by Final Area %</th>
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<tr>
<td>A</td>
<td>0.25</td>
<td>5,500</td>
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<td>15.06%</td>
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<tr>
<td>B</td>
<td>0.60</td>
<td>14,593</td>
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<td>39.96%</td>
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<tr>
<td>C</td>
<td>0.25</td>
<td>16,422</td>
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<td>44.97%</td>
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<td>Total</td>
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<td>36,515</td>
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<td>100.00%</td>
<td>0.49</td>
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Avg. plant factor for planter area: 0.39

WATER USE BUDGET

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

MICHAEL T. WOOD (P.E. #6440 Exp. 6/30/2021)

07/10/2020
Irrigation Legend

- **EZ**: Point of connection (P.O.C.) at existing mainline, field verify location.
- **P.O.C.**
- **MV**: Irrigation controller.
- **F**: Rainbird (mod. # 150PESB-PRS-D) master valve.
- **BF**: Rainbird (mod. # 44LRC) quick coupler with locking rubber cover, install 1 within valve box every 100 LF.
- **C**: Deep root watering system, install 2 per tree, typical.
- **RAIN**: Rainbird (mod. # 5004-T-PC-R) rotor w/ 2.0 nozzle.
- **RED & WHITE VALVE CORP.**: Rainbird (mod. # 5544AB) gate valve for mainlines 2-1/2" & smaller.
- **TREE**: Rainbird (mod. # ARV050) drip line air relief valve, install 1 @ highest point of each drip system.
- **TREE**: Rainbird (mod. # XFD-06-18) drip line w/ 0.6 GPH in-line pressure compensating emitter spaced @ 24" O.C.
- **TREE**: PVC pipe sch. 40, 4" schedule, (pipe sleeves to 3/4" min. dia. 3/4" or twice size of pipe passing through sleeve), install throughout signalized and unsignalized intersections.

**Notes:**

- Call before you dig.
- Know what's below.
- Tree irrigation plan.
- Scale 1" = 20'-0".
- City of Arvin civil development plans for urban greening pathways project.
- Tree irrigation plan - Arvin urban greening pathways project.
- 07/10/2020.
- Michael T. Wood (P.E. #6440 Exp. 6/30/2021).

**Table:**

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<tr>
<th>Valve Diameter</th>
<th>Valve Size</th>
<th>Valve &amp; Station Designation</th>
<th>GPM</th>
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<tr>
<td>1&quot;</td>
<td>3</td>
<td>Tree</td>
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<tr>
<td>1-1/2&quot;</td>
<td>2</td>
<td>Tree</td>
<td>19</td>
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<tr>
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<tr>
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<td>Tree</td>
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<td>Tree</td>
<td>24</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>2</td>
<td>Tree</td>
<td>10</td>
</tr>
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EZ-FLO 10 GALLON FERTILIZER DISPENSING SYSTEM (MOD.# EZ010-HC).

RAIN BIRD ESP IRRIGATION CONTROLLER.

RAIN BIRD (MOD# 5004-T-PC-R) ROTOR w/ 2.0 NOZZLE.

RAIN BIRD (MOD.# 44LRC) QUICK COUPLER w/ LOCKING RUBBER COVER. INSTALL WITHIN VALVE BOX EVERY 100 LF.

DEEP ROOT WATERING SYSTEM. INSTALL 2 PER TREE, TYPICAL.

RAIN BIRD (MOD.# ARV050) DRIP LINE AIR RELIEF VALVE. INSTALL 1 AT HIGHEST POINT OF EACH DRIP SYSTEM.

RAIN BIRD (MOD.# XFD-06-18) DRIP LINE w/ 0.6 GPH IN-LINE PRESSURE COMPENSATING Emitter Spacing (AP 0.2).

SCH.40 MAIN-LINE, (1/2" MIN. COVER). INSTALL MAINLINE IN PLANTER AREAS WHEREEVER POSSIBLE. INSTALL CONCRETE THRUST BLOCKS AT MAINLINE CHANGE OF DIRECTION.

SCH.40 LATERAL LINE, (1/2" MIN. COVER). INSTALL MAINLINE 50' PER PLAN, 3/4"@300', 5/8"@500'.

PVC PIPE SCH. 40, 1/2" BLEDGE. (PVC BLEDGES TO BE 2" MIN. O.C. 5/8" OR TWICE SIZE OF PIPE PASSING THROUGH PAVING AND HARDSCAPE AREAS).
"I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN."

MICHAEL T. WOOD (P.E. #6440 Exp. 6/30/2021)

**TREE PLANTING LEGEND**

<table>
<thead>
<tr>
<th>Type</th>
<th>Code</th>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Water Use</th>
<th>Size</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dw</td>
<td>Chilopsis linearis</td>
<td>Desert willow</td>
<td>Low</td>
<td>20</td>
<td>15 Gal.</td>
</tr>
<tr>
<td></td>
<td>Sb</td>
<td>Laurus nobilis</td>
<td>Sweet bay</td>
<td>Low</td>
<td>15 Gal.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wr</td>
<td>Cercis occidentalis</td>
<td>Western redbud</td>
<td>V.Low</td>
<td>20</td>
<td>15 Gal.</td>
</tr>
<tr>
<td></td>
<td>Is</td>
<td>Pinus pinea</td>
<td>Italian stone pine</td>
<td>Low</td>
<td>20</td>
<td>15 Gal.</td>
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<tr>
<td></td>
<td>Cp</td>
<td>Pistacia chinensis</td>
<td>Chinese pistache</td>
<td>Low</td>
<td>50</td>
<td>15 Gal.</td>
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<tr>
<td></td>
<td>Vo</td>
<td>Quercus lobata</td>
<td>Valley oak</td>
<td>Low</td>
<td>30</td>
<td>15 Gal.</td>
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<tr>
<td></td>
<td>Ct</td>
<td>Chitalpa tashkentensis</td>
<td>Chitalpa</td>
<td>Low</td>
<td>30</td>
<td>15 Gal.</td>
</tr>
</tbody>
</table>

**TOTAL** 220

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**WALNUT STREET TREE PLANTING PLAN - ARVIN URBAN GREENING PATHWAYS PROJECT**

SCALE 1" = 20'-0"
I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

MICHAEL T. WOOD (P.E. #6440 Exp. 6/30/2021)

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<th>Water Use</th>
<th>Size</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ml</td>
<td>Ceanothus foliosus</td>
<td>mountain lilac</td>
<td>Low</td>
<td>5 Gal</td>
<td>10</td>
<td></td>
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<tr>
<td>Sb</td>
<td>Penstemon centranthifolius</td>
<td>scarlet bugler</td>
<td>Low</td>
<td>5 Gal</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>As</td>
<td>Salvia 'Aromas'</td>
<td>Aromas salvia</td>
<td>Low</td>
<td>5 Gal</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Dm</td>
<td>Muhlenbergia rigens</td>
<td>deer grass</td>
<td>Low</td>
<td>5 Gal</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>Cf</td>
<td>Sphaeralcea</td>
<td>desert mallow</td>
<td>Low</td>
<td>5 Gal</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Dm</td>
<td>Zauschneria</td>
<td>California fuchsia</td>
<td>Low</td>
<td>5 Gal</td>
<td>7</td>
<td></td>
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</tbody>
</table>

BERMUDA BLEND SOD (+/-) 14,593 sf

3" LAYER BARK MULCH (NOT SHOWN). INSTALL IN ALL PLANTER BEDS, TYPICAL. (+/-) 214 Cubic Yards
PLANTING NOTES

1. ALL LANDSCAPE INSTALLATION SHALL BE IN ACCORDANCE WITH CITY COUNTY STANDARDS, MANUFACTURERS’ RECOMMENDATIONS AND PER THE APPROVED LANDSCAPE/IRRIGATION PLANS.

2. SEE APPROVED LANDSCAPE/IRRIGATION PLANS FOR SPECIFIC MODEL NUMBERS, SIZE, MANUFACTURE, AND PER ORDINANCE REQUIREMENTS.

3. ANY DEVIATIONS FROM THE APPROVED DESIGNS SHALL BE APPROVED BY THE PROJECT OWNER.

4. SCREW INSTALLATION IS REQUIRED TO SECURE PLANTS STABILITY DURING CONSTRUCTION INSTALLATION.

5. ALL TREES SHALL BE PLANTED WITH NEW 3/4" (19mm) (PRESSURE TREATED) LUMBER TIE TIES. REMOVAL NURSERY TREE STAKES FROM ALL PLANT MATERIAL DELIVERED TO THE PROJECT SITE AND REPLACE NEW TREE STAKES. TYPICAL.

6. ROOT GUARD BARRIER IS REQUIRED WHEN THE TREE TRUNK IS 5.0' (1.5m) OR LESS FROM ANY HARDSCAPE/MAJOR STRUCTURE, PLACE ROOT GUARD BARRIER PARALLEL ALONG THE EDGE OF HARDSCAPE/STRUCTURE. (SEE DETAIL L-103) TYPE.

7. PLANTING TABLET SHALL BE PLACED 3" (76mm) BELOW FINISHED GRADE NEAR ROOT BARRIER INSTALLATION AS FOLLOWING:
   1. TABLET PER 5 GAL. (18.9 L)
   2. TABLET PER 3 GAL. (11.4 L)
   3. TABLET PER 15 GAL. (56.8 L)
   4. TABLET PER 1.5' (0.6m) WIDE

8. ALL MATERIAL USED SHALL BE NEW AND FREE FROM IMPERFECTIONS.

9. PER SECTION 492.6 OF THE MWELO, A MINIMUM THREE INCH (3"
   (76mm) DEPTH) COATING OF UNDISTURBED SOIL. ROOTGUARD BARRIER IS REQUIRED WHEN THE TREE TRUNK IS 5.0' (1.5m) OR LESS FROM ANY CREEPERING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTAMINATED.

10. TREE PLANTING LEGEND

   - SYMBOL:
     N: Nor Cal. Monterey SP "Farley" V: Very Low
     N: Nor Cal. Monterey SP "Farley" V: Very Low
     L: Low
     M: Medium
     H: High

   - LS: COMMON NAME
     - Acacia
     - A. rigens
     - Agrostis tenuis
     - Berberis thunbergii
     - B. darwiniae
     - Berberis thunbergii
     - B. darwiniae
     - California fuchsia
     - Salvia "Aromas"

   - QUANTITY
     - 1 - TABLET PER 1 GAL. (3.79 L)
     - 3 - TABLET PER 5 GAL. (18.9 L)
     - 6 - TABLET PER 15 GAL. (56.8 L)
     - 9 - TABLET PER 2.0' (0.6 M) BOX

   - TOTAL CUBIC YARDS
     - 07/10/2020
     - 07/10/2020

   - EXPANSION GAP AT SLIP JOINT
     - 1/4" - 1/2"

   - PROJECT OWNER.
     - LODGE POLE PINE. REMOVE NURSERY TREE STAKES FROM ALL PLANT MATERIAL DELIVERED TO THE PROJECT SITE AND REPLACE NEW TREE STAKES. TYPICAL.

   - PER PLANTING PLAN
     - INSTALL TREES ALONG C.L. OF PLANTER OR SIDEWALK/HARDSCAPE.

   - INSTALL ROOT BARRIER

   - SEE CHART FOR WIDTH: -2" BELOW TOP OF HEADER

   - EXPANSION  SLIP JOINT
     - FACTORY CUT THERMAL -2" (50mm) DIA. (PRESSURE TREATED) LUMBER TIE TIES. REMOVAL NURSERY TREE STAKES FROM ALL PLANT MATERIAL DELIVERED TO THE PROJECT SITE AND REPLACE NEW TREE STAKES. TYPICAL.

   - INSTALL TREES ALONG C.L. OF PLANTER OR SIDEWALK/HARDSCAPE.

   - EXPANSION GAP AT SLIP JOINT
     - 1/4" - 1/2"

   - PER PLANTING PLAN
     - INSTALL TREES ALONG C.L. OF PLANTER OR SIDEWALK/HARDSCAPE.

   - EXPANSION  SLIP JOINT
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