Irrigation Notes
1. Plant irrigation with a 1/4" Y PVC tee and stop valve existing mainline downstream of existing 1" PVB valve and PVB at backflow. Irrigation Design is specified for a maximum of 500 gallons per minute flow rate on the irrigation system. The pressure drop must be limited to 25 psi. Allowable pressure drop is 10 psi for 1000 square feet of lawn. When controlling the irrigation system, confirm pressure prior to start of work. The contractor shall notify the city representative of any discrepancy before continuing work. State pressure in the area verified through water main test is to be 60 psi.
2. The irrigation system has been designed to operate multiple zones simultaneously when necessary. The design intent is that 0.5 hour flow is 0.5 gallon per minute per foot of irrigation line. Gravel and other local and state code requirements and be installed as per all of table of Tims Park compost specifications.
3. The irrigation controller shall be set to vary rain cycles between 0.25 and 0.40 and 1/3" water is applied in 0.25 cycles. A minimum of 1.25" of rain shall be applied weekly.

Plant Material Locations shall have pre-inspection over irrigation design and layout locations. Coordinating irrigation design so that it does not interfere with the landscape design. This is the intent of the design that all irrigation equipment will be installed where the pressure drop is the least amount of pressure that the system is capable of delivering. The contractor shall maintain the irrigation equipment, grills, and other local and state code requirements and be installed as per all of table of Tims Park compost specifications.

General Landscape Notes
2. The contractor shall complete the irrigation of any trees that are installed. The irrigation of any trees shall be completed by the contractor to the city representative. The irrigation of any trees shall be completed by the contractor to the city representative. The contractor shall inform the city representative of any discrepancies before continuing work. State pressure in the area verified through water main test is to be 60 psi.

PLANT SCHEDULE

<table>
<thead>
<tr>
<th>Tree</th>
<th>Native</th>
<th>Common Name</th>
<th>Size</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acer</td>
<td>ACER</td>
<td>Maple</td>
<td>12</td>
<td>Malvern</td>
</tr>
<tr>
<td>Acer</td>
<td>ACER</td>
<td>Maple</td>
<td>15</td>
<td>Malvern</td>
</tr>
<tr>
<td>Acer</td>
<td>Prunus</td>
<td>Plum</td>
<td>15</td>
<td>Malvern</td>
</tr>
<tr>
<td>Acer</td>
<td>Prunus</td>
<td>Plum</td>
<td>15</td>
<td>Malvern</td>
</tr>
</tbody>
</table>

Newly planted trees shall be staked and tied to a wood stake locate 12" from the base of the tree and used until the tree is well established. Trees shall be staked and tied to a wood stake locate 12" from the base of the tree and used until the tree is well established. Trees shall be staked and tied to a wood stake locate 12" from the base of the tree and used until the tree is well established.
NATIVE PLANT PRESERVATION NOTES:

1. This native plant preservation plan meets the requirements and intentions of the following regulations and standards: Nate's B. Division of the City of Tucson Land Use Code, and Development Standards 2.0.

2. For additional project requirements, the contractor must familiarize themselves and follow all requirements set forth in the Special Provisions Section B Native Plant Preservation Work Prior to Beginning Any Construction on-site. Per said Section, the Contractor shall schedule an on-site meeting with the project team before proceeding with on-site work. The City of Tucson, Environmental Construction Inspector, on-site, contact Gary Mittler with the City of Tucson, DEPT. OF TRANSPORTATION/landscape Architect (570-4250).

3. The City of Tucson's Plant Inventory methodology was used to prepare this plan.

4. Before the issuance of grading permits, all viable inventoried plants proposed for removal from site shall be flagged with an appropriate flag color. A legend page is included for identifying flags. Flags shall remain in place for the duration of construction.

COLOR CODING FOR FLAGGING:

WHITE = PRESERVE IN PLACE (PIP)
BLUE = TRANSPLANT ON SITE (TOS)
YELLOW = REMOVE FROM SITE (RFS)

5. Any changes in grading limits or development layout will require the submittal of a revised preservation plan for review and approval.

6. Contractor shall comply with all requirements of the Federal Endangered Species Act and the Arizona Native Plant Law.

7. Contractor shall keep these plans on-site at all times. These plans shall be used in conjunction with the Landscape Plans.
NATIVE PLANT PRESERVATION NOTES:


2. FOR ADDITIONAL PROJECT REQUIREMENTS THE CONTRACTOR MUST FAMILIARIZE THEMSELVES AND FOLLOW ALL REQUIREMENTS SET FORTH IN THIS PLAN. PRIOR TO BEGINNING ANY CONSTRUCTION ON-SITE THIS NATIVE PLANT PRESERVATION PLAN SHALL BE REVIEWED AND APPRROVED BY THE CITY OF TUCSON ENGINEERING REPRESENTATIVE. PRIOR TO BEGINNING ANY CONSTRUCTION ON-SITE, CONTRACTOR SHALL NOTIFY CITY OF TUCSON DEPT. OF TRANSPORTATION/ARCHITECT OF (50) 510-382.

3. THE CITY OF TUCSON INVENTORY METHODOLOGY WAS USED TO PREPARE THIS PLAN.

4. PRIOR TO THE ISSUING OF GRADING PERMITS ALL VISIBLE INVENTORIED PLANTS PROPOSED FOR REMOVAL FROM-SITE SHALL BE TAGGED WITH AN EMBOSSED METAL TAG Bearing THEIR ASSIGNED INVENTORY NUMBER. THESE TAGS SHALL BE LEFT IN PLACE UNLESS DIRECTED BY THIS NATIVE PLANT PRESERVATION PLAN SHALL REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION.

COLOR CODING FOR PLANTING:
WHITE = PRESERVE IN PLACE (PP)
BLUE = TRANSPORT ON-SITE (TS)
YELLOW = REMOVE FROM-SITE (RS)

5. ANY CHANGES IN GRADING LIMITS OR DEVELOPMENT LAYOUT WILL REQUIRE THE SUBMITTAL OF A REVISED PRESERVATION PLAN FOR REVIEW AND APPROVAL.

6. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE FEDERAL DEPARTMENT OF TRANSPORTATION AND THE ARIZONA NATIVE PLANT LAW.

7. CONTRACTOR SHALL KEEP THESE PLANS ON-SITE AT ALL TIMES. THESE PLANS SHALL BE KEPT IN CONSTRUCTION WITH THE LANDSCAPE PLAN.

NATIVE PLANT PRESERVATION LEGEND

- PRESERVE IN PLACE (PP)
- TRANSPORT ON-SITE (TS)
- REMOVE FROM-SITE (RS)
NATIVE PLANT PRESERVATION INVENTORY

<table>
<thead>
<tr>
<th>Species</th>
<th>Category</th>
<th>Location</th>
<th>Frequency</th>
<th>Date</th>
<th>備考</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acacia dealbata</td>
<td>Native</td>
<td>Tucson</td>
<td>10</td>
<td>Low</td>
<td>mulch</td>
</tr>
<tr>
<td>Prosopis juliflora</td>
<td>Native</td>
<td>Tucson</td>
<td>10</td>
<td>Low</td>
<td>mulch</td>
</tr>
<tr>
<td>Madrone</td>
<td>Native</td>
<td>Tucson</td>
<td>10</td>
<td>Low</td>
<td>mulch</td>
</tr>
<tr>
<td>Manzanita</td>
<td>Native</td>
<td>Tucson</td>
<td>10</td>
<td>Low</td>
<td>mulch</td>
</tr>
<tr>
<td>Arizona Walnut</td>
<td>Native</td>
<td>Tucson</td>
<td>10</td>
<td>Low</td>
<td>mulch</td>
</tr>
<tr>
<td>Ocotillo</td>
<td>Native</td>
<td>Tucson</td>
<td>10</td>
<td>Low</td>
<td>mulch</td>
</tr>
<tr>
<td>Saguaro Cactus</td>
<td>Native</td>
<td>Tucson</td>
<td>10</td>
<td>Low</td>
<td>mulch</td>
</tr>
<tr>
<td>Cholla Cactus</td>
<td>Native</td>
<td>Tucson</td>
<td>10</td>
<td>Low</td>
<td>mulch</td>
</tr>
</tbody>
</table>

PLANT TRANSPLANTATION CRITERIA

1. HIGHLY NATIVE PLANTS SHALL BE ASSESSED TO BE PLANTS WHICH ALSO MEET THE FOLLOWING CRITERIA:
   a. SPECIES AND SUBSPECIES HAS A HIGH SURVIVAL RATE FOR RE-ESTABLISHMENT AFTER TRANSPLANT.
   b. GENERAL PLANT DIMENSIONS ARE SUITABLE FOR TRANSPLANTING BASED ON THE SPECIES AND SUBSPECIES.
   c. THE PLANT CAN BE EASILY DETERMINED AND SEEN CAPABLE OF SUPPORTING THE ROOTTAIL SYSTEM.
   d. TOLERANCE FOR ACCLIMATIZATION PERIODS IS HIGH AND CAN BE TRANSPLANTED IN THE DEPARTMENT'S PLANTING SITES.

2. MEDIUM: A MEDIUM TRANSPLANTABILITY RATING SHALL BE ASSESSED TO PLANTS WHICH MEET AT LEAST TWO OF THE CRITERIA FOR A HIGH-RATING BUT HAVE SURVIVAL RATES THAT ARE NOT AS HIGH AS THE HIGH RATING.

3. LOW: A LOW TRANSPLANTABILITY RATING SHALL BE ASSESSED TO PLANTS WHICH MEET AT LEAST ONE OF THE CRITERIA FOR A HIGH-RATING BUT HAVE SURVIVAL RATES THAT ARE NOT AS HIGH AS THE MEDIUM RATING.

NATIVE PLANT PRESERVATION LEGEND

- PLANTS TO BE ALTERED
- PLANTS TO BE TRANSPLANTED ON SITE
- PLANTS TO BE REMOVED FROM SITE

PLANT VARIETY CRITERIA

1. HIGH: A HIGH PLANT VARIETY RATING SHALL BE ASSESSED TO PLANTS MEETING THE FOLLOWING CRITERIA:
   a. HEALTH: PLANT IS IN GOOD CONDITION WITH NO MAJOR INFESTATIONS OR DISEASES.
   b. SIZE: PLANT AS YOUNG OR MATURE WITH LITTLE CHANCE OF LONG TERM GROWTH.
   c. FORM: PLANT IS RELATIVELY UNCHANGED WITH A HEALTHY BRANCHING HABIT.

2. MEDIUM: A MEDIUM RATING SHALL BE ASSESSED TO PLANTS WHICH DO NOT MEET ANY OF THE CRITERIA FOR A HIGH-RATING BUT HAVE ENOUGH POTENTIAL TO BE ALLOTTED TO A MEDIUM-RATING FOR VARIETY PRESERVATION.
NOTES:
1. PLANT TREES ON GRASS SLOPES. TREES SHALL NOT BE PLANTED ON
   MAM-flowers WHERE THEY WILL BE SUBJECT TO MOWING.

WATER HARVESTING BASINS

8
TYP. CURB-FIN. GRADE W/ DECOMPOSED GRANITE

SCALE: NTS
C.O.T. DETAIL

9
TYP. SIDEWALK-FIN. GRADE W/ DECOMPOSED GRANITE

SCALE: NTS
C.O.T. DETAIL

SEED MIX WITH DECORATIVE ROCK

SCALE: NTS

DECORATIVE BOULDER

SCALE: NTS
C.O.T. DETAIL

DECORATIVE BOULDER

SCALE: NTS
C.O.T. DETAIL

LANDSCAPED MEDIANS

SCALE: NTS

NOTES:
1. DO NOT CREATE BURN AT BASE OF CACTUS. SLOPE (BANK) MARY FROM PLANT.

ACCENT/BARREL CACTI PLANTING

SCALE: NTS

SHRUB PLANTING: 1 & 5 GALLON SIZE

SCALE: NTS
C.O.T. DETAIL

BARREL/SAGUARO CACTUS PLANTING

SCALE: NTS
C.O.T. DETAIL

PRICKLY PEAR PLANTING

SCALE: NTS

LANDSCAPE DETAILS

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

SABINO CANYON ROAD

LP5

LP5

173

PSOMAS

NO. DATE REVISION BY CHG. NOTE

PSOMAS

189

CITY OF TUCSON

LP5

LP5

173

PSOMAS

NO. DATE REVISION BY CHG. NOTE

PSOMAS

189

CITY OF TUCSON

LP5

LP5

173

PSOMAS

NO. DATE REVISION BY CHG. NOTE

PSOMAS

189

CITY OF TUCSON

LP5

LP5

173

PSOMAS

NO. DATE REVISION BY CHG. NOTE

PSOMAS

189

CITY OF TUCSON

LP5

LP5

173

PSOMAS

NO. DATE REVISION BY CHG. NOTE

PSOMAS

189

CITY OF TUCSON

LP5

LP5

173

PSOMAS

NO. DATE REVISION BY CHG. NOTE

PSOMAS

189

CITY OF TUCSON

LP5

LP5

173

PSOMAS

NO. DATE REVISION BY CHG. NOTE

PSOMAS

189

CITY OF TUCSON

LP5

LP5

173

PSOMAS

NO. DATE REVISION BY CHG. NOTE

PSOMAS

189

CITY OF TUCSON

LP5

LP5

173

PSOMAS