STANDARD IRRIGATION DETAILS FOR PUBLIC STREET LANDSCAPE IMPROVEMENT PROJECTS

DEPARTMENT OF PUBLIC WORKS
CITY OF SANTA CLARA COUNTY
SANTA CLARA, CALIFORNIA

FOR PUBLIC STREET LANDSCAPE IMPROVEMENT OF:

PROJECT NAME HERE

PLAN
The Contractor shall prevent erosion of freshly graded areas during construction and until such time as permanent drainage and erosion control measures have been installed.

3.

E.

All excavation, filling, and compaction shall be performed under the direct observation of the Engineer or designated Geotechnical Consultant. The Contractor shall cooperate with the Engineer or designated Geotechnical Consultant in all

Ditches, gutters, and swales shall be finished to provide proper surface drainage, per approved plans.

3.03

Re-inspection: Request re-inspection when the Work identified in previous inspection as incomplete is completed or corrected.

3.04

i.

Final Cleaning

or as directed by the Engineer.

3.05

9.

Obtain and submit releases permitting the City unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.

B.

Soil Testing: Contractor shall collect two (2) - one-quart samples in the turf area and two (2) - one quart (1 qt) samples in the groundcover areas of the in-place topsoil twenty (20) days after completion of planting and submit to Soil and Plant

REFERENCES

B.

HERBICIDE USE

D.

As per Section 321316 - Stamped Concrete with Integral Color.

F.

ACI current standards.

1.01

4.

Any plant material replaced within the last thirty (30) days of the plant establishment period must be maintained by the Contractor for thirty (30) days from the date of replacement.

As per Section 321316 - Stamped Concrete with Integral Color.

In the event irrigation lines are discovered passing through the project area to other areas, lines shall be rerouted and maintained in operation during construction as directed by the Engineer.

Ambient Conditions: When unfavorable weather conditions necessitate interrupting filling and landscape grading operations, areas shall be prepared by compaction of surface and landscape grading to avoid collection of water. Adequate

The Contractor shall notify the Engineer that the site has been cleared. The Engineer shall have sufficient time to review the site. Landscape grading shall not

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**Sealing Compound:** Cureseal-W Semi Gloss compound at consistent time for each pour to maintain close color consistency.

**Remote Control Valves:**
- All main shut-off valves shall be gate valves.
- The manufacturer shall also mark the date of extrusion on his pipe. This dating shall be done in conjunction with records to be held by the manufacturer for two years covering quality control tests, raw material batch numbers, and any other information considered necessary.
- All valves and sizes shall be as indicated on the plan.

**Pipes Under Paving:**
- The system shall efficiently and evenly irrigate all areas, shall be complete in every respect, and shall be left ready for operation to the satisfaction of the Engineer.
- All pipes shall be assembled free from dirt and pipe scale and shall be reamed and burrs removed. The main line supply shall be flushed out and tested for leaks before backfilling and with control valves in place and the system shall be able to withstand a crush test of 5000 psi. Common or neutral conductors shall be white.

**Installation of Conductor in Trenches:**
- Strap the locator wire to the top of all main lines and quick coupling valve lines every ten feet (10').

**Backflow Preventer and Enclosure:**
- All valves and sizes shall be as indicated on the plan.

**POTABLE WATER IDENTIFICATION TAGS AND DECALS:**
- All identification devices shall be provided complete with all holders, supports, and fastening accessories at each remote control valve and backflow device.

**Special Water Treatment:**
- Do not install on potable water tags and decal systems designed for a future retrofit connection to recycled water. Install purple recycled water irrigation systems with an immediate connection to recycled water only as shown for irrigation pipe trench backfill, the City details shall prevail.

**REFERENCES:**
- City of San Jose, Department of Public Works, latest edition.
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**PLANTING AREAS:**
- All excess decomposed granite shall be removed from all paving, curbs, street and planting areas.
ii. **CLEANING Certificates:** All plant materials shall meet the specifications of Federal, State, and County laws requiring inspection and insect infestations. Inspection certifications required by law shall accompany each shipment, invoice, or order.

b. **Moisture Content:** Thirty five to sixty percent (35-60%).

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Moisture Barriers & ROOT BARRIERS

1. **Root barriers shall be installed in park strips and trees wells adjacent to sidewalks as shown in details and manufacturer’s specifications.**

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Ambient Conditions: All soil preparation and planting operations shall be conducted under favorable weather conditions only. Soil shall not be worked when excessively dry or wet, and the Engineer reserves the right to stop any work taking place when weather conditions are not in the Contractor’s control.

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The Contractor shall provide topsoil analysis of representative sample(s) both at the Project site and suppliers yard. Provide soil samples of the proposed topsoil(s) and analysis report(s) to the Engineer for review and approval.

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The remainder of the backfill shall be topsoil material, which shall not be less than eight inches (8”) deep.

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A. **Screwing:** Holes shall be pre-drilled in the tree poles to receive wood screws and screws screwed into place.

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**General:** All workmanship shall be in accordance with the best practice, shall be accurate as to measurements and layout, and shall be carefully done.

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**Trees:**

1. **Shrubs shall be planted in evenly spaced rows with staggered triangular spacing and around the trees (to within twenty four (24) inches).**

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**Valves**

The Contractor shall instruct the Engineer in the operation and maintenance of the system and shall furnish a complete set of operating instructions prior to final acceptance.

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**Tagging:** All plants shall be true to name, and one of each bundle or lot shall be tagged with the name and size of the plant in accordance as shown on plans.

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D. **Tree Staking:** All trees shall be provided with two (2) Lodge Pole Pine Stakes (See Plans for Tree Planting Detail). Tree stakes shall not be driven into the rootball.

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**As specified in Section 329100, Planting Preparation.**

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**Planting Areas:** All areas to be planted, whether in seed, sod, container stock, flats, or otherwise, are defined as planting areas in these documents.

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1. **Plant replacement during the warranty period shall be limited to one replacement unless the prior plant installation did not meet the requirements of these specifications.**

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**D.**

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