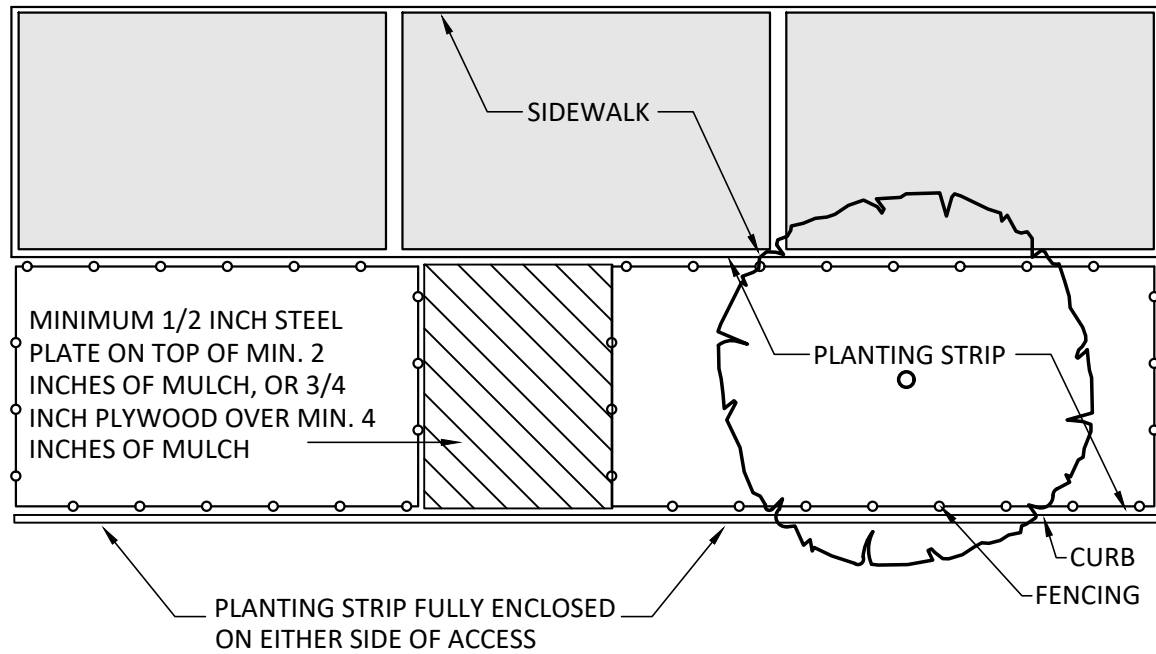
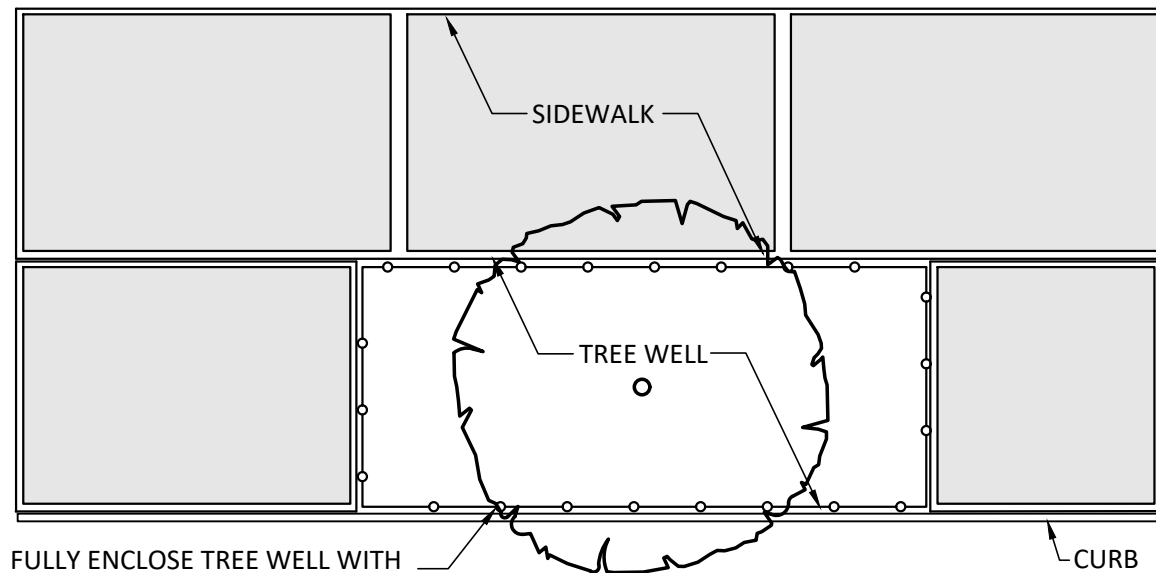


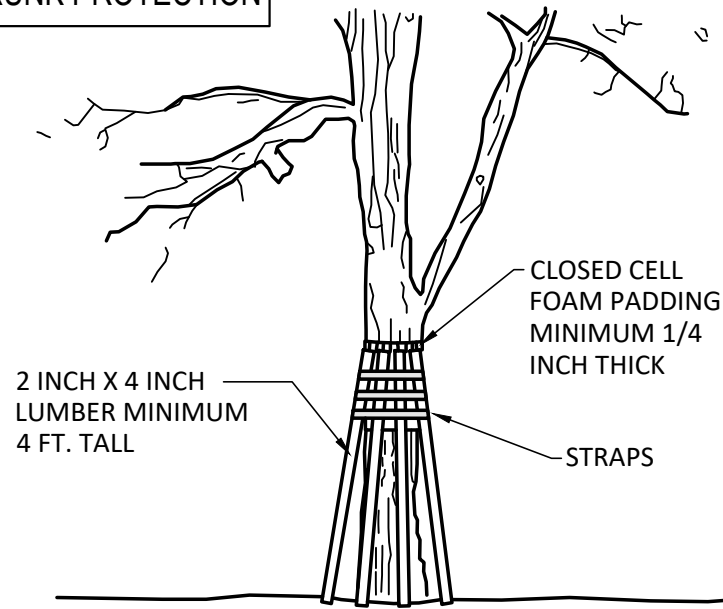
FENCING A - OPEN PLANTING STRIP



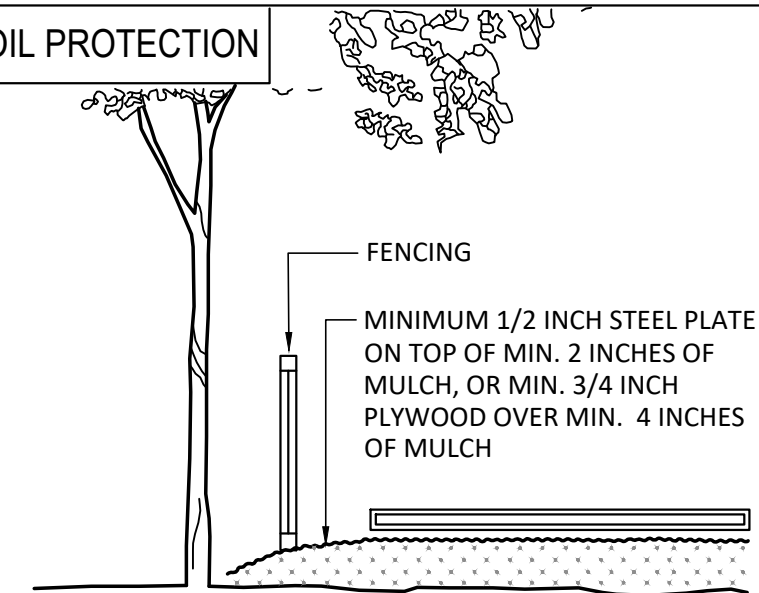
FENCING B - CONCRETE TREE WELL



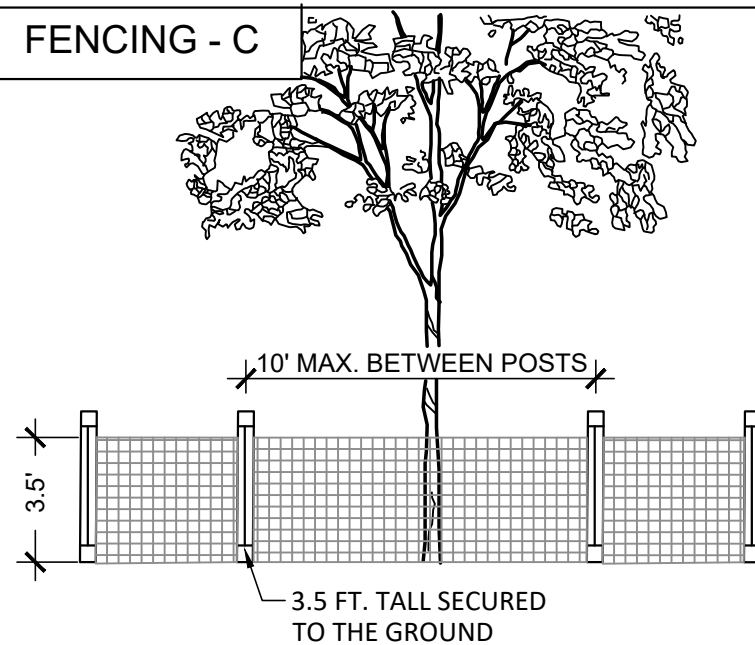
TRUNK PROTECTION



SOIL PROTECTION



FENCING - C



GENERAL NOTES:

1. Tree root and limb pruning activities require separate permits and an inspection by the City Forester prior to permit issuance.
2. Standard root protection zone is established, per the Tree Code, as follows; 1 foot radius (measured horizontally away from the face of the tree trunk) for each inch of tree diameter at 4.5 feet above grade. However, due to the limited space in the right-of-way, the root protection zone will be determined by the City Forester on a case by case basis.
3. Protect the tree and root protection zones using a combination of fencing, soil protection, and trunk protection. Consider site conditions when selecting protection methods. Access to the property must be maintained for fire and life safety. Five (5) feet of clear space must be maintained around fire hydrants, water meters and other utilities.
4. Fencing: Fully enclose protection area with either 1) a 3.5 foot tall fence or 2) a 3.5 foot tall wood framing made of 2 inch x 4 inch lumber covered by measurably fastened orange extruded plastic mesh. Fencing shall be secured to the ground so as to be immobile.
5. Soil protection: in cases where access is unavoidable through the root protection zone, install either 1) a minimum of 1/2 inch steel plate placed on top of a bed of minimum 2 inches of mulch, or 2) a minimum of 3/4 inch plywood over minimum of 4 inches of mulch to bridge over the root protection zone.
6. Trunk protection: if fencing is not practicable, install trunk protection as follows: 2 inch x 4 inch lumber planks at a minimum height of 4 feet loosely banded around the tree and angled outward to ensure trunk flare and buttress root protection. Closed cell foam padding with a minimum thickness of 1/4 inch shall be placed between the tree trunk and the lumber. Use straps or wire to bind the planks in place. Do not drive fasteners into the tree. Soil protection, as described above, is required in conjunction with trunk protection to protect unfenced root protection zones.
7. Tree protection shall be installed prior to ground disturbing activity and remain in place until construction has been completed. Post the root protection zone with a tree protection zone sign.
8. The root protection zone shall remain free of construction materials and debris. City Forester must approve any clearing, grubbing, or other disturbance proposed inside the root protection zone.
9. Alternative protection methods, not in adherence with this detail, must be approved by the City Forester prior to installation.

 **PORTLAND PARKS & RECREATION**
Healthy Parks, Healthy Portland


City Forester

**STREET TREE PROTECTION SPECIFICATION DETAIL:
PRESCRIPTIVE PATH ACTIVE PROTECTION**

All work done by applicant shall follow requirements set by the City Forester

Effective Date: 11/17/2020