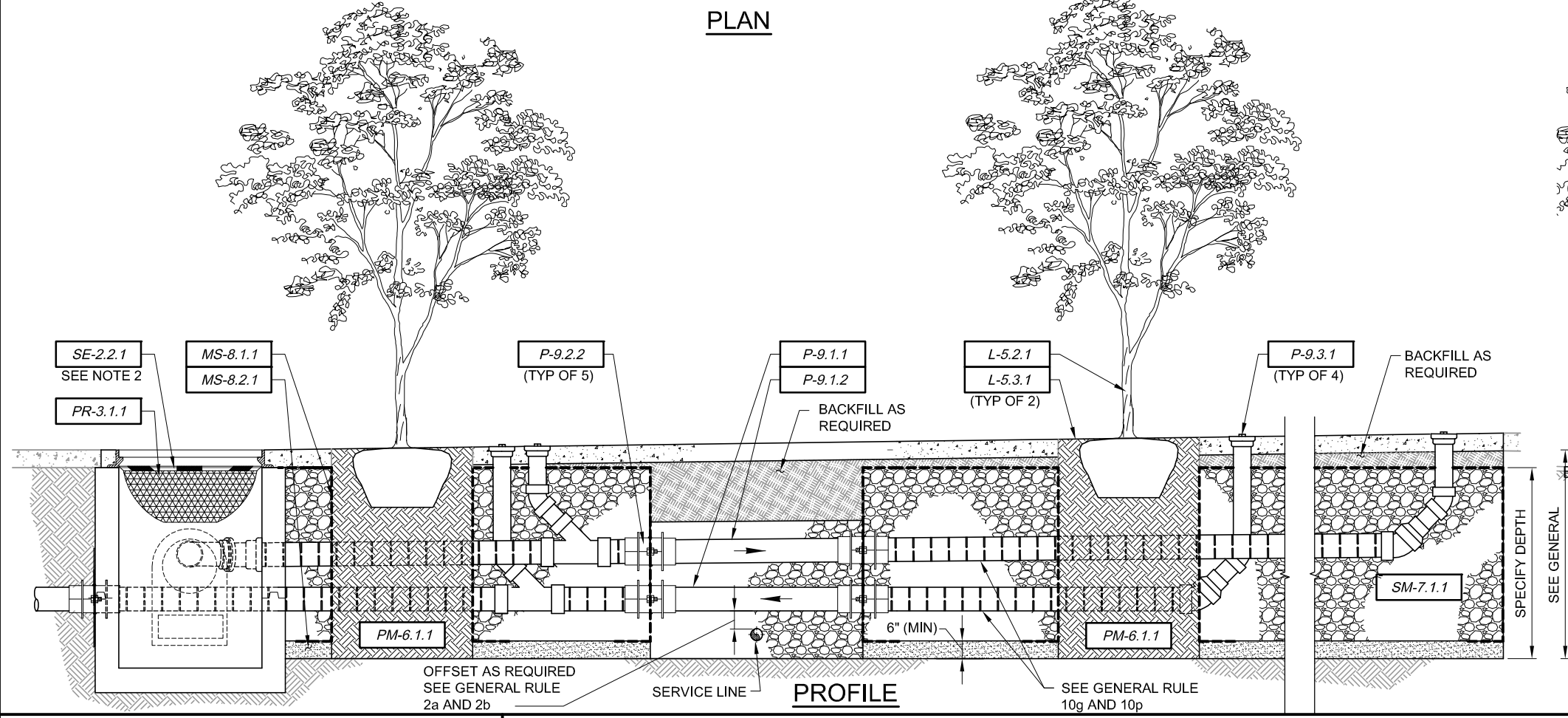
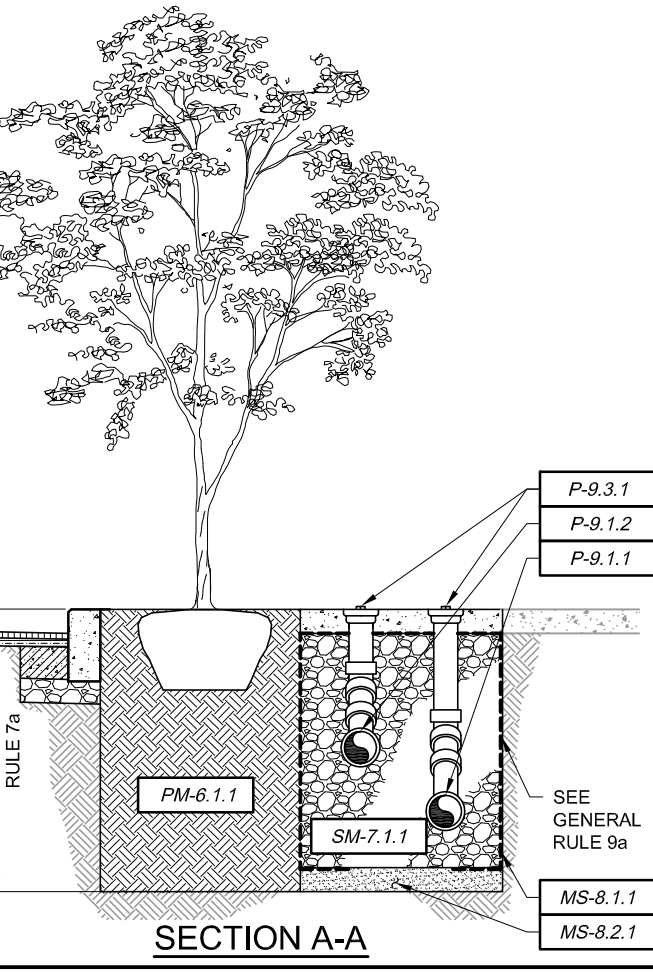


PLAN



PROFILE



SECTION A-A

NOTES TO DESIGNER:

1. This design detail should be adapted to your specific engineered design and its respective installation.
2. Green inlets are the most typical inlet used for stormwater tree trenches. While a highway grate type green inlet is depicted and preferred, designers may use a PWD Standard city inlet type as the green inlet if there are utility conflicts or other constraints that preclude installation of a highway grate inlet type.
3. The minimum tree pit dimension is 3-feet by 3-feet. Larger tree pit areas are preferred for the health of the tree and should be used if space is available. Tree pit may also be rectangular in shape.
4. Design should include the number, spacing, and species selection of trees. The city of *Philadelphia Complete Streets Design Handbook* provides a Street Tree Planting Diagram that can be referenced for tree placement. Note that locations and species of all trees are reviewed and approved by PP&R. PP&R can also select tree species, if requested.
5. Although surface is shown as concrete sidewalk, tree trenches can be constructed in conjunction with various surfaces including grass strips, pavers, and other materials. Surface restoration will vary accordingly.

APPLICABLE DESIGN COMPONENTS

- (L) Landscaping
 - 5.2.1 Trees
 - 5.3.1 Mulch
- (MS) Media Separation
 - 8.1.1 Geotextile
 - 8.2.1 Sand Filter
- (P) Piping
 - 9.1.1 Underdrain
 - 9.1.2 Distribution Pipe
 - 9.2.2 Anti-seep Collar
 - 9.3.1 Cleanout
- (PM) Planting Media
 - 6.1.1 Engineered Soil
- (PR) Pretreatment
 - 3.1.1 Filter Insert
- (SE) Stormwater Entrance
 - 2.2.1 Green Inlet
- (SM) Storage Media
 - 7.1.1 Stone