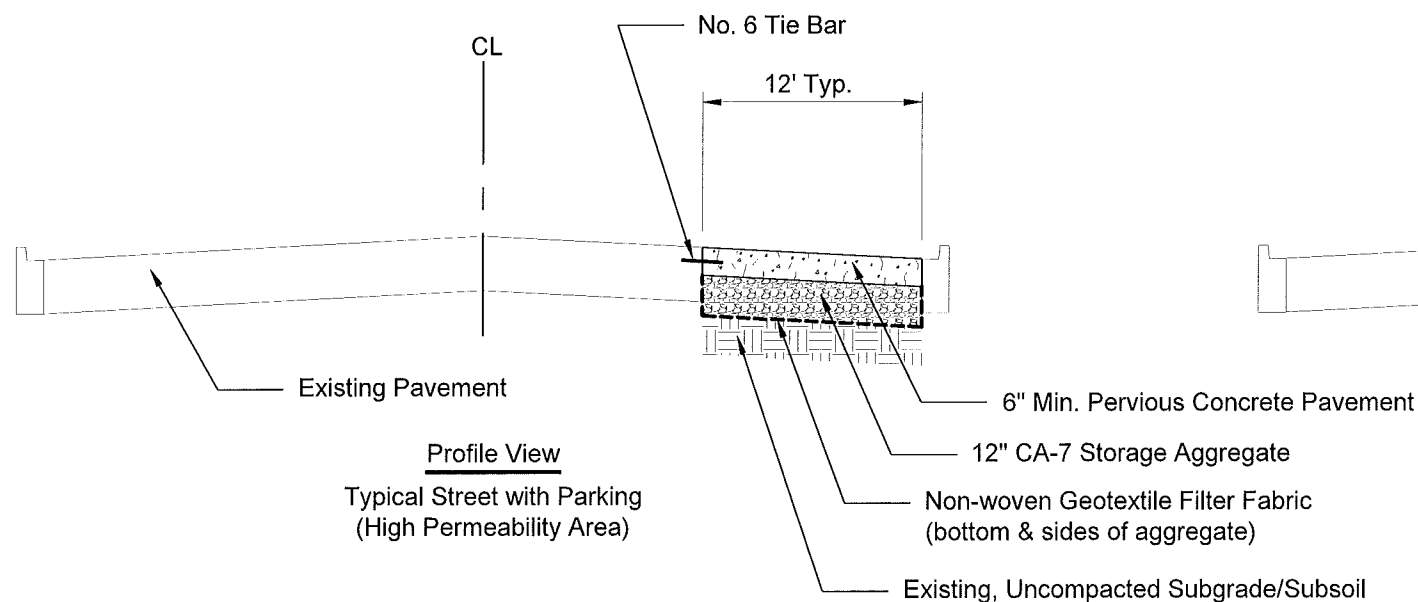
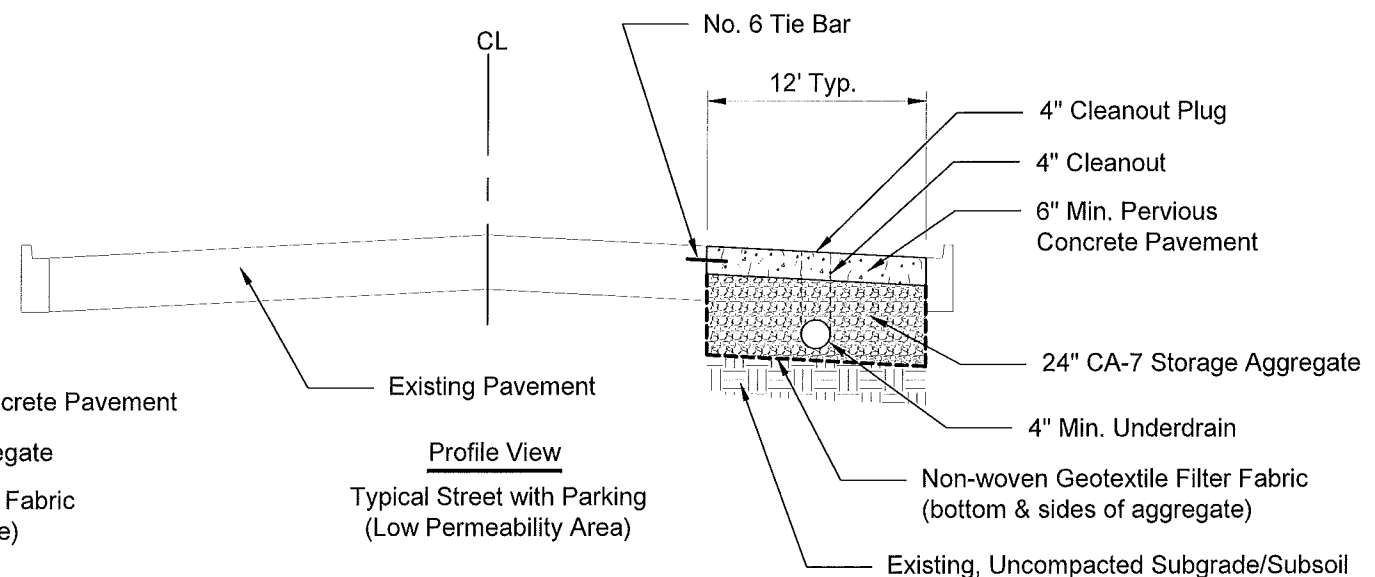


Plan View



Profile View

Typical Street with Parking  
(High Permeability Area)



Profile View

Typical Street with Parking  
(Low Permeability Area)

Notes:

1. Base preparation is critical and should be done per manufacturer's recommendation and specification. Undulations and grade changes in the rock base will be reflected in the final outcome of the pervious concrete pavement.
2. Sub-grade soil infiltration rates should be confirmed prior to start of work.
3. The bottom of the stone should be a minimum of three feet above the seasonally high water table.
4. Bedding, base, and sub-base material shall be open-graded with no fines meeting the latest edition of the Illinois Standard Specifications For Road and Bridge Construction.
5. Avoid over compacting or contaminating the natural sub-grade soils.
6. Underdrain should be used if low permeability sub-grade soil is present.
7. The concrete shall be jointed and compacted using the methods listed, or alternatives, as demonstrated and approved by the Engineer.
8. Pervious concrete pavement shall not be placed when the ambient temperature is predicted for the jobsite to be 40°F or lower during the seven days following placement.
9. Pervious concrete pavement shall not be placed when the ambient temperature is predicted for the jobsite to rise above 90°F during the seven days following placement.
10. Pervious concrete pavement shall not be placed on frozen sub-grade.
11. If required by City of Evanston, the contractor shall furnish a proposed mixture design, with proportions of materials, or if mixture proportions are proprietary, a written submittal from the concrete supplier, prior to commencement of work.
12. Minimum thickness for all applications (excluding heavy vehicle or high traffic loads) shall be a single coarse placement with a minimum thickness of 6 inches unless otherwise specified.
13. Pavements frequently used by vehicles heavier than single axle service/delivery trucks shall have a minimum thickness of 8 inches.
14. Care must be taken to prevent closing the void structure of pervious concrete. Finishing operations are not allowed and internal vibration shall not be permitted.
15. Filter fabric shall be nonwoven, needle-punched polypropylene geotextile fabric. Fabric shall have a minimum weight of 3.5 ounces per square yard (ASTM D 3776), minimum wet grab tensile strength of 100 pounds (ASTM D 4632), and a minimum flow rate of 75 gallons/minute/square foot (ASTM D 4491).
16. No. 6 tie bars at 30 inch on center shall be placed at mid-depth of the slab and perpendicular to the longitudinal joint.
17. 4 inch PVC SDR 26 cleanouts shall be placed every 50 feet and connected to the underdrain system in low permeability areas.
18. The pervious concrete pavement shall be poured around the cleanout and the plug of the cleanout shall be flush with the surface.

City of Evanston  
Pervious Concrete Pavement  
Detail  
(Not To Scale)