



PERVIOUS CONCRETE SECTION

NOT TO SCALE

NOTES

1. SEE DRIVEWAY STANDARD PLAN CK-R.21 FOR JOINTING AND LAYOUT.
2. PERVIOUS CONCRETE PAVEMENT SHALL CONFORM TO ALL REQUIREMENTS OF ACI 522.1-13 SPECIFICATION FOR PERVIOUS CONCRETE PAVEMENT PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, EXCEPT AS DIRECTED BY THE ENGINEER. CONCRETE MIX SHALL MEET THE FOLLOWING:
 - A. 100% PASSING 3/8" SIEVE
 - B. WATER/CM RATIO BETWEEN 0.28-0.35
 - C. MINIMUM INFILTRATION RATE OF 100 INCH/HOUR PER ASTM C1701
3. AGGREGATE FOR BASE COURSE SHALL BE CLEAN, CONFORMING TO PERMEABLE BALLAST WSDOT 9-03.9(2).
4. PERVIOUS DRIVEWAY SHALL NOT BE POURED IN ADVERSE WEATHER CONDITIONS. SEE POLICY R-8, PLACING CONCRETE OR ASPHALT IN ADVERSE WEATHER CONDITIONS.
5. PERVIOUS DRIVEWAY TO BE INSTALLED AFTER CONSTRUCTION OF HOUSE. AFTER INSTALLATION, PROTECT PERVIOUS CONCRETE FROM LANDSCAPE AND OTHER CONSTRUCTION ACTIVITIES.
6. SUBGRADE IS TO BE COMPACTED TO THE MINIMUM NECESSARY FOR STRUCTURAL STABILITY, USING DUAL WHEEL SMALL MECHANICAL ROLLERS IN STATIC MODE. HEAVY EQUIPMENT OR TRUCK TRAFFIC IS NOT ALLOWED ON SUBGRADE.
7. TO PREVENT COMPACTION, INSTALL THE AGGREGATE BASE IN THE FOLLOWING MANNER (BACK DUMPING):
 DUMP AGGREGATE BASE ONTO SUBGRADE FROM THE EDGE OF THE INSTALLATION, THEN PUSH IT OUT ONTO THE SUBGRADE.
 DUMP SUBSEQUENT LOADS FROM ON TOP OF THE AGGREGATE BASE AS THE INSTALLATION PROGRESSES.
8. PERVIOUS CONCRETE SIDEWALK SHALL BE TESTED PRIOR TO ACCEPTANCE. ONE TEST PER 2500 SF AREA MINIMUM. TESTING SHALL MEET ASTM C1701 AND SHALL MEET A MINIMUM OF 100 IN/HR.
9. IMPERVIOUS CHECK DAMS IN THE BASE COURSE ARE REQUIRED FOR SLOPES BETWEEN 5% AND 10%. SLOPE SHALL NOT EXCEED 10%.
10. PERVIOUS DRIVEWAY SHALL NOT CONTAIN SURFACE MOTTLING.
11. NO HORIZONTAL GEOTEXTILE FABRIC UNLESS RECOMMENDED BY GEOTECHNICAL PROFESSIONAL DUE TO POOR SOIL STRENGTH. VERTICAL SEPARATION WITH GEOTECHNICAL FABRIC MAY BE REQUIRED PER ENGINEER, DEPENDENT ON ADJACENT STRUCTURES.
12. A 6" CLEAN SAND LINER CAN BE PLACED IN LIEU OF MEETING THE CRITERIA FOR GROUNDWATER PROTECTION (SECTION 5.2.1 OF KCSWDM) FOR DRIVEWAYS SERVING TWO HOUSEHOLDS OR LESS.

CITY OF KIRKLAND

PLAN NO. CK- L.07



**PERVIOUS CONCRETE
DETAIL**