Gergely Harcos has kindly passed on the following corrections:
Formula (16) as stated is incorrect. It should instead state

$$
\Psi_{\Gamma}(x+u)-\Psi_{\Gamma}(x)=u+O\left(u^{\frac{1}{2}} x^{\frac{1}{4}+\frac{\theta}{2}+\varepsilon}+x^{\frac{1}{2}+\frac{\theta}{2}+\varepsilon}+u x^{-1}\right) .
$$

The extra term $x^{\frac{1}{2}+\frac{\theta}{2}+\varepsilon}$ arises from (21) where $u$ on the right hand side should be $u+X$. Then the optimal $V$ at the end of Section 5 becomes $V=(u+X) X^{-1+2 \theta}$, and this ensures $V>=1$ as well (which was assumed earlier). The additional term $u x^{-1}$ comes from the $O\left(x^{-1}\right)$ term in (21).

An alternative way to correct (16) is to suppose that $k(u)$ is supported in $\left(x^{1 / 2}, Y\right)$, and to restrict (16) to $x \geq u \geq x^{1 / 2}$.

As a result, formula (17) should instead state

$$
\Psi_{\Gamma}(x)=x+E(x ; k)+O\left(Y^{\frac{1}{2}} x^{\frac{1}{4}+\frac{\theta}{2}+\varepsilon}+x^{\frac{1}{2}+\frac{\theta}{2}+\varepsilon}+Y x^{-1}\right)
$$

With the choice of $Y=x^{\frac{5}{6}-\frac{\theta}{3}}$, the additional error terms are smaller than originally-claimed error term, so the exponents in the main Theorem 1.1 are unaffected.

