



# Metro Purple Line Extension Transit Project Section 2

## Tunnel Subsurface Easement Fact Sheet

The standard tunnel subsurface easement is a rectangular box surrounding both tunnels

- 10 ft. above the tunnel crown and 10 ft. below the tunnel invert
- 5 ft. offset from the outer most tunnel wall



Existing Ground

The tunnel boring machine will be under individual parcels for approximately 2-3 days for each tunnel

Tunnel Boring Machine drives for each tunnel will be staggered by approximately 1-2 months

Operation of the subway tunnels are designed to avoid adverse noise/vibration to the occupants

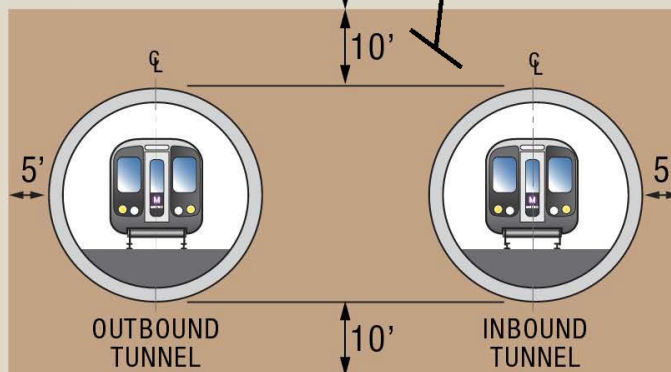
50' – 100'  
Typical Depth

The tunnels have been designed to accommodate the existing building(s)

Future construction above the tunnels which requires excavation will be subject to Metro's review and approval which shall not be unreasonably withheld

Tunnel Subsurface Easement

The tunnels will be excavated by an Earth Pressure Balance Tunnel Boring Machine; this type of machine balances soil and groundwater pressure at the tunnel face, controlling the ground movement. As the tunnel is excavated, precast concrete segments are immediately installed within the machine to serve as the permanent tunnel lining.



Not to Scale,  
Diagram is for  
illustrative  
purposes only



Metro®