

Project Type	Approximate Spacing	Minimum Depth
UNDERGROUND UTILITIES		
Open Cut	Maximum distance of 300 feet.	<ul style="list-style-type: none"> • 15 feet for trenches up to 10-foot deep. • Trench depth plus 10 feet for trenches between 10-foot and 25-foot deep. • One and one half times the trench depth for trenches greater than 25-foot deep.
Auger Bore and Jack and Bore	<ul style="list-style-type: none"> • Maximum distance of 150 feet. • <u>For a road crossing</u>, at least one each side of road and if it's a dual carriageway, one additional one in the middle of the two carriageways. • <u>For a floodplain/stream crossing</u>, at least one each side at an incline towards the river and if the crossing is wider than 150 feet, a borehole may be needed in the middle of the crossing or increments of 150 feet or less. 	5 feet (10 feet for primary and freeway roadways) or 2 times the sleeve pipe/tunnel diameter, along the route, whichever is the greater. The depth of the borehole will be the sum of the cover, the sleeve pipe/tunnel diameter plus an additional 5 feet.
Horizontal Directional Drill	<ul style="list-style-type: none"> • Maximum distance 150 feet. • <u>For a road crossing</u>, at least one each side of road and if it's a dual carriageway, one additional one in the middle of the two carriageways. • <u>For a floodplain/stream crossing</u>, at least one each side at an incline towards the river and if the crossing is wider than 150 feet, a borehole may be needed in the middle of the crossing or increments of 150 feet or less. 	8 or 12 times (single pass or multiple reaming pass) the sleeve/carrier pipe diameter, along the route, whichever is the greater. The depth of the borehole will be the sum of the cover, the sleeve/carrier diameter plus an additional 5 feet.
Tunnels and Microtunnels	<ul style="list-style-type: none"> • Maximum distance of 150 feet. • <u>For a road crossing</u>, at least one each side of road and if it's a dual carriageway, one additional one in the middle of the two carriageways. • <u>For a floodplain/stream crossing</u>, at least one each side at an incline towards the river and if the crossing is wider than 150 feet, a borehole may be needed in the middle of the crossing or increments of 150 feet or less. 	5 feet or 3 times the sleeve pipe/tunnel diameter, along the route, whichever is the greater. The depth of the borehole will be the sum of the cover, the sleeve pipe/tunnel diameter plus an additional 5 feet.

Shafts for Tunnels	Each location.	1.5 times the shaft diameter below the bottom of the shaft but not less than 30 feet.
STREET AND BRIDGE		
Pavement (Street) only along each street	Maximum distance of 250 feet	5 feet.
Pedestrian and Pipe Bridge	Each side of drainage channel.	40 feet below the bottom of drainage channel.
Retaining Walls	The GDOT guidelines should be followed.	
Roadway Bridge	The GDOT guidelines should be followed.	
OTHER		
Discretion of Geotechnical Consultant, Engineer of Record, and the JWSC.		