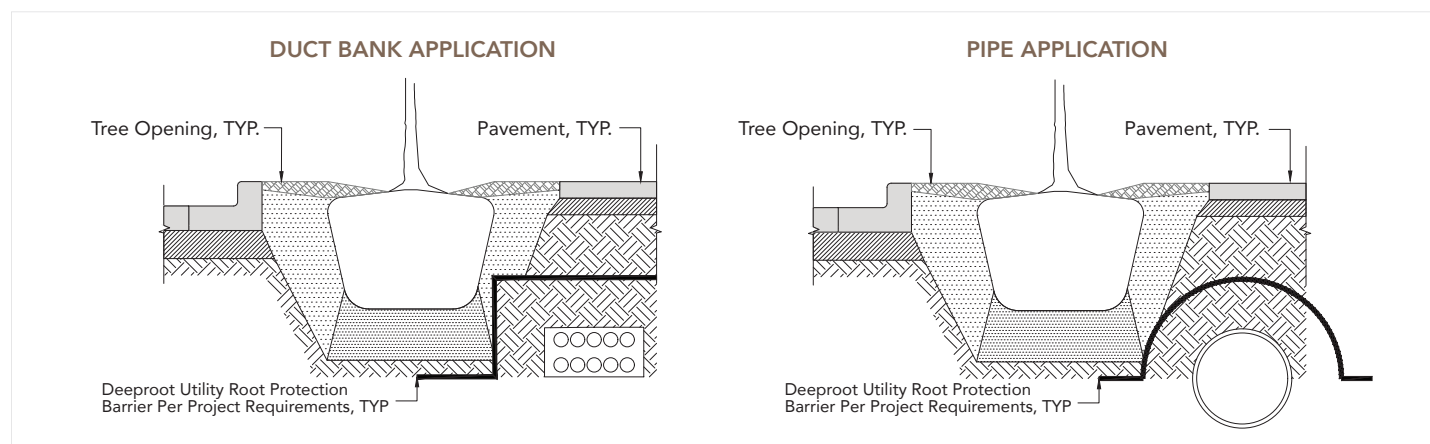


UTILITY PROTECTION BARRIERS

DeepRoot Utility Barriers provide durable protection for underground infrastructure and block invasive roots from existing or proposed underground utilities.



DEEPROOT UTILITY BARRIER FEATURES:

- Cut to any measured length with a utility knife.
- Available in rolls for continuous placement up to 150 linear feet (45.7 m) without seams, and up to 1200 square feet (111.48m²) overall.
- Increased dimensions possible with vertical placement or horizontal overlap.

DEEPROOT UTILITY BARRIER MATERIALS:

- Nonwoven polypropylene 60 mil, coated double-side.

ADDITIONAL DEEPROOT BARRIER PRODUCTS & APPLICATIONS:

- DeepRoot manufactures additional geomembrane products for barrier applications, including invasive species, utilities, retaining walls, foundations, and other types of infrastructure.
- DeepRoot Tree Root Barrier: For guiding and redirecting tree roots down and away from hardscapes or specialty protection applications.
- DeepRoot Bamboo Barrier: For containment of invasive species such as bamboo.
- DeepRoot Moisture Barrier: For moisture control applications.

MATERIAL PROPERTIES	TEST AVERAGE RESULT
MD Break Strength (ASTM D638)	2291 psi
TD Break Strength (ASTM D638)	1404 psi
MD Break Elongation (ASTM D638)	31%
TD Break Elongation (ASTM D638)	28%
Puncture Strength (ASTM D4833)	174 lbs.
MD Tear Strength (ASTM D1004)	41 lbs.
TD Tear Strength (ASTM D1004)	34 lbs.

SPECIFICATIONS

PRODUCT CODE	WIDTH (FEET)	WIDTH (M)	LENGTH (FEET)	LENGTH (M)	MIL THICKNESS
UPB 6-150	6'	1.8M	150'	45.72M	60 MIL
UPB 8-150	8'	2.4M	150'	45.72M	60 MIL