REFERENCES

REV	REVISION DESCRIPTION	DATE
0	FOR PLANNING BOARD APPROVAL.	30OCT20

UB 18-2 Specifications
18" DeepRoot® Tree Root Barrier

Specified tree root barrier is a mechanical barrier and root deflector used to prevent tree roots from damaging hardscapes and landscapes. Assembled in 24" (609 mm) long modules to create varying lengths for linear applications, or perimeter surround applications in varying sizes.

A. Materials

1. The contractor shall furnish and install tree root barrier as specified. The tree root barrier shall be either product #UB 18-2 as manufactured by DeepRoot® Green Infrastructure, LLC, 520 Washington Street, San Francisco, CA, www.deeproot.com (800.458.7668).

2. Root barrier shall be recyclable, black, injection molded panels with 0.75" (1.90 mm) wall thickness in modules 24" (609 mm) long and 18" (460 mm) deep.

3. Root barrier shall be manufactured with 75% reprocessed polypropylene with added ultraviolet inhibitors.

4. Root barrier shall be comprised of 24" (609 mm) panels. Each panel shall have no less than four (4) Molded Integral Vertical Root Directing Ribs of a minimum 0.060" (1.52 mm) thickness, protruding 1/2" (12.7 mm) at 90° from interior of the barrier panel, spaced 6" (152.4 mm) apart. (See Details A & D)

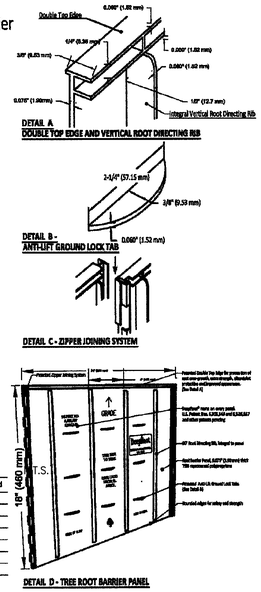
5. Root barrier shall have a Double Top Edge consisting of two parallel, integral, horizontal ribs at the top of the panel at 0.060" (1.52 mm) thickness, 3/8" (9.53 mm) wide and 1/4" (6.35 mm) apart with the lower rib attached to the vertical Root Directing Ribs (See Detail A).

6. Root barrier shall have a minimum of nine (9) Anti-Lift Ground Lock Tabs consisting of integral horizontal ridges of minimum 0.060" (1.52 mm) thickness in the shape of a segment of a circle, the 2-1/4" (57.15 mm) chord of the segment joining the panel wall and the segment, protruding 3/8" (9.53 mm) from the panel. The ground locks on each panel shall be about equally spaced between each of the vertical root directing ribs (See Details B & D).

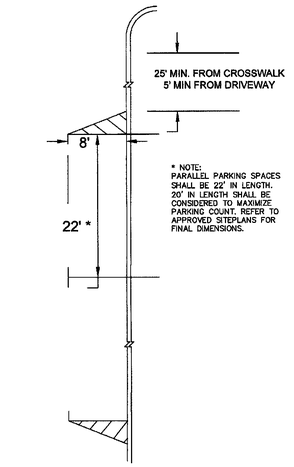
7. Root barrier shall have an integrated Zipper Joining System for assembly by sliding one panel into another (See Detail C).

U.S. Patents: 5,865,548; and 5,528,857. Other Patents Pending.

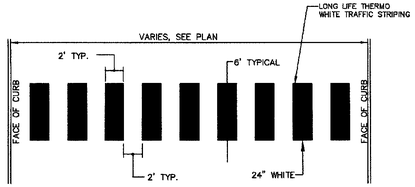
Properties	Typical Value	ASTM Test Method
Tensile strength @ yield - Wall	2,354 PSI	D638
Tensile strength @ yield - Hinge	2,846 PSI	D638
Yield Elongation - Wall	7.44%	D638
Yield Elongation - Hinge	7.25%	D638
Flexural Modulus	139,625 PSI	D790B
Notched Izod Impact - Wall	3.64 (ft-lb)	D256A
Rockwell Hardness r. scale - Wall	84.4	D785A



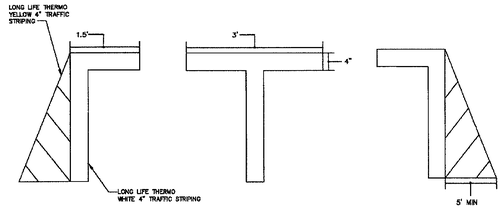
ROOT BARRIER DETAIL



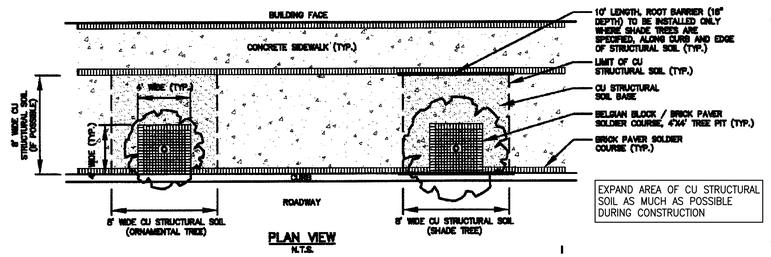
PARALLEL PARKING DIMENSIONING
N.T.S.



CROSSWALK STRIPING DETAIL
N.T.S.



PARALLEL PARKING STRIPING DETAIL
N.T.S.

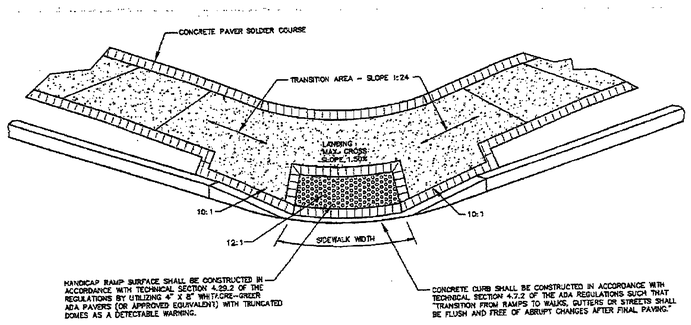


PLAN VIEW
N.T.S.

HBD PLANTING DETAIL
N.T.S.

NOTE:

BRICK SOLDIER COURSES TO BE LOCATED AS DEPICTED ON SITE PLAN DRAWING 3.



HBD HANDICAP RAMP AT CORNER
N.T.S.

Owner / Project

PRELIMINARY AND FINAL
SITE PLAN APPLICATION
587 HAMILTON STREET
BLOCK 204 LOTS 18-22
FRANKLIN TOWNSHIP, NEW JERSEY

RONALD J. SADOWSKI, P.E.
ENGINEERING & CONSTRUCTION MANAGEMENT
10 EDWARD AVENUE
EDISON, NEW JERSEY 08820
(732) 744-6392
ronsadowski@verizon.net

HBD
STREETSCAPE
CONSTRUCTION DETAILS

DRAWN	RJS	SCALE	AS NOTED
CHECKED	RJS	DATE	01AUG20

RONALD J. SADOWSKI
PROFESSIONAL ENGINEER
NJPE #38261

PROJECT NO.
S20200

DRAWING NO.
10