PROPOSED PLANT LIST

SYMB	QTY.	LATIN NAME	COMMON NAME	SIZE	NOTES	
AA	1	Amelanchier arborea	Shadbush	5-6' ht.	B&B	native
BN	1	Betula nigra 'Heritage'	River Birch	2.5-3" cal.	B&B	native cultivar
TO	11	Thuja occidentalis 'Emerald Green'	Eastern Arborvitae	6-7' Ht.	B&B	native
SHRUBS						
FG	3	Fothergilla gardenii	Dwarf Fothergilla	5 gal.	Pots	native
IG	17	Ilex glabra 'Shamrock'	Inkberry	5 gal.	Pots	native cultivar
IM	1	Ilex x meserveae 'Castle Spire'	Blue Holly	5 gal.	Pots	
IV	3	Ilex verticillata 'Red Sprite'	Dwarf Winterberry	5 gal.	Pots, some shall be male, native cultivar	
KL	5	Kalmia latifolia 'Meteor'	Mountain Laurel	5 gal.	Pots	native cultivar
PJ	1	Pieris japonica	Japanese Andromeda	5 gal.	Pots	
RC	7	Rhododendron 'Chionoides'	Chionoides Rhododendron	5 gal.	Pots	native cultivar
HERBACEOUS						
ad	7	Aruncus dioicus	Goat's Beard	2 gal.	Pots, 18" o.c.	native
cp	46	Carex pennsylvanica	Pennsylvania Sedge	2 gal.	Pots, 15" o.c.	native
dp	11	Dennstaedtia punctilobula	Eastern Hayscented Fern	2 gal.	Pots, 24" o.c.	native
ms	10	Matteuccia struthiopteris	Ostrich Fern	2 gal.	Pots, 24" o.c.	native
nr	4	Nepeta racemosa 'Walker's Low'				native
oc	10	Osmundastrum cinnamomeum	Cinnamon Fern	2 gal.	Pots, 24" o.c.	native
pd	81	Phlox divaricata	Wild Sweet William	1 qt.	Pots, 15" o.c.	native

Pieris japonica
Japanese Andromeda

Fothergilla gardenii
Dwarf Fothergilla

Betula Nigra 'Heritage'
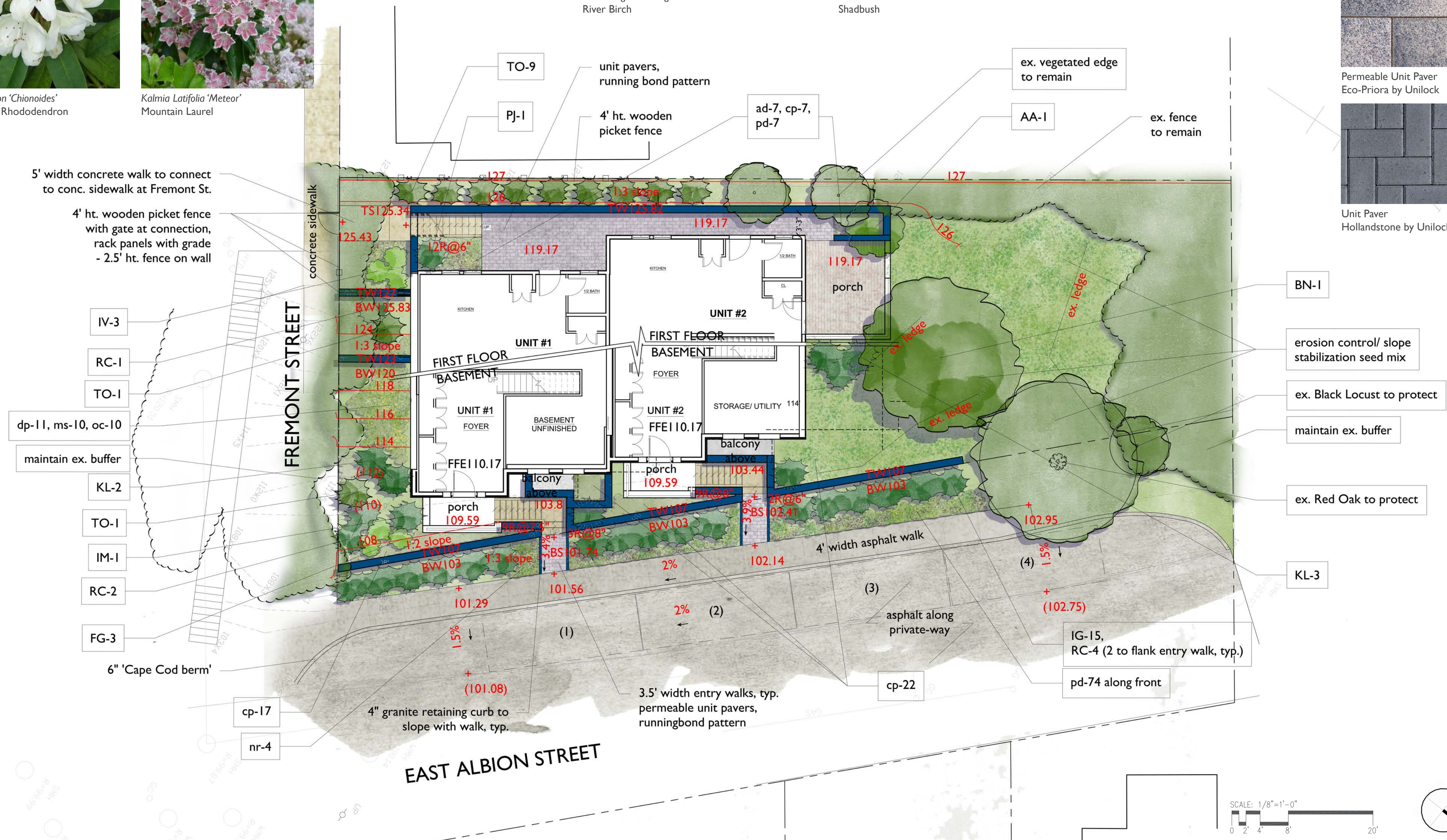River Birch

Amelanchier arborea
Shadbush

4' Ht. Wooden Picket Fence as shown on plan

Ilex verticillata 'Red Sprite'
Dwarf Winterberry

Itea virginica 'Little Henry'
Dwarf Virginia Sweetspire

Rhododendron 'Chionoides'
Chionoides Rhododendron

Kalmia Latifolia 'Meteor'
Mountain Laurel

Permeable Unit Paver
Eco-Priora by Unilock

Unit Paver
Hollandstone by Unilock

PLANTING NOTES

1. All plant material shall be approved by the Landscape Architect prior to arrival on the site.

2. All plant material shall conform to the guidelines established by "The American Standard for Nursery Stock", published by the American Hort.

3. No substitution of plant species will be allowed without the approval of the Landscape Architect.

4. The Contractor shall locate and verify all utility line locations prior to staking and report any conflicts to the Landscape Architect.

5. All plants shall be staked out in their approximate location by the Contractor. The Contractor shall adjust the locations of these stakes as required by the Landscape Architect to account for subsurface utilities, other field conditions and to achieve design intent. Final locations must be approved by the Landscape Architect prior to planting.

6. No planting shall be installed before acceptance of rough grading of topsoil.

7. The rootballs of trees shall be planted 3" above adjacent finished grade. Excavate holes no deeper than the rootball of trees. Holes shall be at least 3' greater in diameter than root ball. Backfill planting hole with 'planting mix'. All plants which settle out of plumb or below finished grade shall be immediately replanted.

8. The rootballs of shrubs shall be planted 2" above adjacent finished grade. Excavate holes no deeper than the rootball of shrubs.

9. All shrubs, groundcovers and perennials shall be planted in continuous planting beds. All beds shall be excavated 12" and the topsoil and subsoil set aside for reuse. Remove all stone and debris from excavated soil. Backfill beds with 12" of 'planting mix' before planting shrubs, perennials and groundcovers.

10. 'Planting Mix' shall consist of 2 parts of topsoil saved from site excavations and 1 part compost. Thoroughly mix to create uniform blended mixture. If insufficient topsoil is available on the site, mix existing soil in a ratio of 1 part soil to 1 part compost. Remove all stones and debris larger than 2" from planting mix.

11. All beds as shown on the drawings shall be edged with a 4" trench neatly cut and backfilled with bark mulch. All beds shall be covered with no less than 2" depth settled bark mulch and no greater than 3" depth bark mulch.

12. All plants are to be thoroughly watered after installation, at least twice within the first 24 hours.

*13. Tree protection measures shall include the following for the adjacent existing trees along the community trail: Prior to site demolition, temporary 6' ht. chain link fences shall be erected around the tree trunks (location shown on plan). No construction materials shall be stored within temporary chain link fence tree protection. After construction of buildings, and during site work to install plants, remove chain link fence taking care to avoid large roots greater than 4" in diameter.

FREMONT STREET

EAST ALBION STREET

TO-9
PJ-1
unit pavers, running bond pattern
4' ht. wooden picket fence
ad-7, cp-7, pd-7
ex. vegetated edge to remain
AA-1
ex. fence to remain

5' width concrete walk to connect to conc. sidewalk at Fremont St.
4' ht. wooden picket fence with gate at connection, rack panels with grade - 2.5' ht. fence on wall

concrete sidewalk

TS125.34
125.43
119.17
119.17
119.17
12R@6"
124
1:3 slope
BW120
118
116
114
110
108
1:2 slope
1:3 slope
101.29
101.56
101.08
BN-1
erosion control/ slope stabilization seed mix
ex. Black Locust to protect
maintain ex. buffer
ex. Red Oak to protect

UNIT #1
FIRST FLOOR BASEMENT
UNIT #1 FOYER
FFE110.17
BASEMENT UNFINISHED
UNIT #2
FIRST FLOOR BASEMENT
FOYER
UNIT #2 FFE110.17
STORAGE/ UTILITY 114
balcony above
porch 109.59
porch 109.59
balcony above
103.44
103.8
102.95
102.14
102.75

IV-3
RC-1
TO-1
dp-11, ms-10, oc-10
maintain ex. buffer
KL-2
TO-1
IM-1
RC-2
FG-3
cp-17
nr-4

4' width asphalt walk
ex. ledge
2%
2%
1.5%
(4)
(3)
(2)
(1)
asphalt along private-way

KL-3
IG-15, RC-4 (2 to flank entry walk, typ.)
pd-74 along front
cp-22

6" 'Cape Cod berm'
4" granite retaining curb to slope with walk, typ.
3.5' width entry walks, typ. permeable unit pavers, runningbond pattern

SCALE: 1/8"=1'-0"
0 2 4   8'   20'

VERDANT
LANDSCAPE ARCHITECTURE

LANDSCAPE PLAN
0 FREMONT STREET
SOMERVILLE, MA
JUNE 26, 2020

Green Score is a performance-based environmental landscape standard measured as a ratio of the weighted value of all landscape elements to the total land area of a lot.

Fremont Street 5,657 SF Total

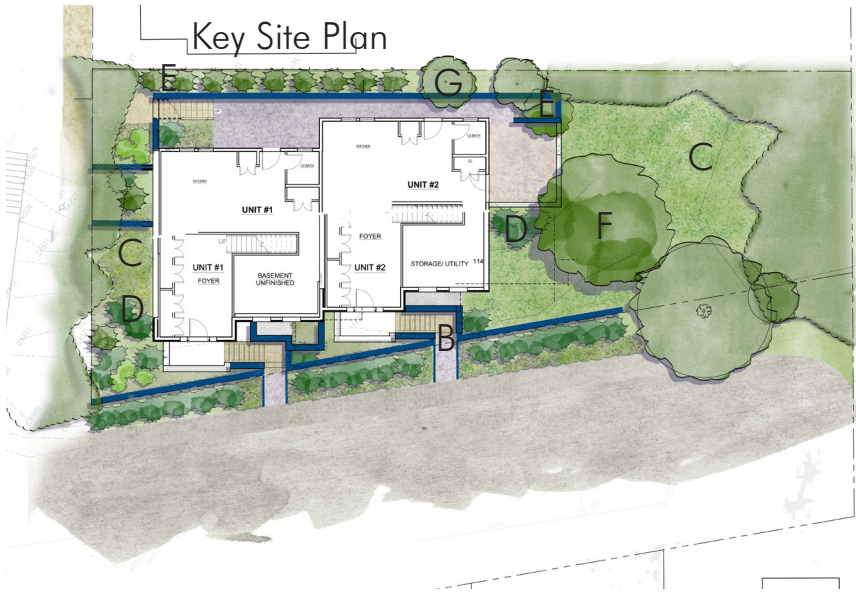**Table 10.4.1   Green Score Calculation**

	Credit	Multiplier
Soils		
Landscaped area with a soil depth < 24 inches	actual sf	0.3
Landscaped area with a soil depth => 24 inches	actual sf	0.6
Pervious Paving with 6 to 24 inches of subsurface soil or gravel	actual sf	0.2
Pervious Paving with more than 24 inches of subsurface soil or gravel	actual sf	0.5
Groundcovers		
Turfgrass, mulch, and inorganic surfacing materials	actual sf	0.1
Plants		
Vegetation less than two (2) feet tall at maturity	actual sf	0.2
Vegetation at least two (2) feet tall at maturity	12 sf.	0.3
Trees		
SMALL TREE	50 sf.	0.6
LARGE TREE	450 sf.	0.6
Preserved Tree	65 sf.	0.8
Engineered Landscape		
Vegetated Wall	actual sf	0.1
Rain gardens, bioswales, and stormwater PLANTERS.	actual sf	1.0
Green Roof with up to 6" of growth medium	actual sf	0.1
Green Roof with 6"-10" of growth medium	actual sf	0.4
Green Roof of 10"-24" growth medium	actual sf	0.6
Green Roof of over 24" growth medium	–	per individual landscape elements

Key		Multiplier	Bonus	Credit	
A	Soils | Landscaped Area with a soil depth => 24 inches	.6		2,985.1	1,791.1
B	Soils | Pervious Paving with more than 24 inches of subsurface soil or gravel	.5		3	1.5
C	Plants | Vegetation less than two feet tall at maturity	.2	NS .1	2,358.6	707.6
D	Plants | Vegetation at least two feet tall at maturity	.3	NS .1	(18area)12	86.4
E	Trees | Small Tree	.6	NS .1	(11) 50	385
F	Trees | Large Tree	.6	NS .1	(1) 450	315
G	Trees | Preserved Tree	.8		(2) 65	204
	Total				3,490.6
	Green Score Bonus Native Species = NS = .1				

Table 10.4.2 Green Score Bonuses

	Credit	Multiplier
Bonus Credits		
Publicly visible landscape	--	0.1
Native species	--	0.1
High value species	--	0.1
50% of irrigation is harvested rainwater	--	0.1
Food cultivation	--	0.1
De-paved LOT AREA	--	0.1

Key Site Plan

3,490.6 / 5,657 = .62 Green Score

5. Calculation

a. GREEN SCORE is calculated as follows:
   i. Determine total LOT AREA.
   ii. Calculate the area of each proposed landscape element for each category identified in the first column of Table 10.4.1. Certain types of plantings USE the number of individual plants multiplied by an equivalent square footage when indicated in the second column of Table 10.4.1.
   iii. Multiply the actual square footage, or the equivalent square footage, of each landscape element by the multiplier specified for each landscape element in the third column of Table 10.4.1 plus any bonus on Table 10.4.2 to determine the weighted score of each element.
   iv. Add the weighted score of all landscape elements together.
   v. Divide the resulting sum by the area of the LOT to determine the final GREEN SCORE.
   vi. If necessary, redesign the landscape plan to achieve the required GREEN SCORE.

b. BONUSES
   i. Review Boards may establish additional bonuses

VERDANT
LANDSCAPE ARCHITECTURE

GREEN SCORE CALCULATIONS

0 FREMONT STREET
SOMERVILLE, MA

JUNE 26, 2020