The site includes the existing 59,000 sf school building to the south, and a paved lot to the north. The northern paved lot remains level and does not match the grade of the surrounding sidewalks. A site wall surrounds the paved lot when above sidewalk grade. A site fence surrounds the entire site north and south of the existing building. The building entrances are located on the East and West facades. Loading access along the North elevation of the existing building is accessed from Atwood Road. A grass yard located along the Southern edge of the site is enclosed by a fence and inaccessible.

The scope of work for Cassidy Elementary School includes the demolition of the existing school building to make way for the construction of a new PreK-8 facility. The new school will include space program elements such as:

- Core Academics  - Physical Education  - Instructional Media Center  - Food & Dining  - Arts & Creative Learning
- Administration  - Health Suite  - Building Support

The design solution locates assembly programs on the ground floor that are also an accessible amenity to the community. The core educational programs, including classrooms, are separated into lower and middle schools located across a communal commons dubbed the Canyon which ensures a clear site organization: separate masses for public and academic programs connected by a vibrant communal space. The occupied connector becomes a Commons that steps down, taking advantage of the natural slope of the site. This enables the Commons to open onto a dynamic exterior space for learning and playing, allowing easy access for the community, and maintaining building security of the core education wings of the facility during “of” hours. Access to the new building is located at the Main Entry to the South or through the Schoolyard Entry to the north. A new dedicated service entrance is located to the West. A new parking lot to the north provides space for 33 parking spots including 2 ADA spots.

The Schoolyard will be an inclusive, flexible, and immersive outdoor environment, weaving together play, learning, and recreation for all ages and abilities. The Schoolyard is anchored by three major uses: outdoor playful learning and recreation, multi-functional outdoor classroom and socialization space, with a native and ecologically diverse landscape. Site improvements include playground for ages 4-12, half-sized basketball court, terraced outdoor classroom, provision of accessible entrances at Atwood and Kenmore Roads, site amenities (bike racks, trash/recycling receptacles, benches, tables, signage, and lighting), parking lot for staff and visitors, and vegetated bioswale to convey runoff to a subsurface basin.

Please contact Conrad Talley (100 N 6th St, Philadelphia, PA 19106 / ctaley@ewingcole.com) regarding the commission’s decision. Please contact Conrad Talley (215.625.4173 / ctaley@ewingcole.com) regarding questions about the application.
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**Lewis C. Cassidy Elementary School**

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- Plant Species & Hardscape Materials
- Ground Floor Plan

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- Building Elevations
- Perspective Renderings

## IV. SUPPORTING DOCUMENTATION

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- Building Permit Application
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2. SOUTHEAST CORNER OF LANSDOWNE AVE LOOKING WEST

3. EXISTING BUILDING FAÇADE ALONG ATWOOD ROAD

4. EXISTING BUILDING FAÇADE ALONG LANSDOWNE AVE
Proposed Building Site
## PROPOSED BUILDING SITE

### PLANT SCHEDULE

#### UNDERSTORY TREES

<table>
<thead>
<tr>
<th>KEY</th>
<th>QTY</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>CONDITION</th>
<th>SPACING</th>
<th>NATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL</td>
<td>6</td>
<td>American basswood</td>
<td><em>Tilia americana</em></td>
<td>8'-10' HT.</td>
<td>B&amp;B OR CONT.</td>
<td>AS SHOWN</td>
<td>✓</td>
</tr>
<tr>
<td>CC</td>
<td>5</td>
<td>Coralbells</td>
<td><em>Heuchera x echinata</em></td>
<td>8'-10' HT.</td>
<td>B&amp;B OR CONT.</td>
<td>AS SHOWN</td>
<td>✓</td>
</tr>
<tr>
<td>CE</td>
<td>8</td>
<td>Eastern Redbud</td>
<td><em>Cercis canadensis</em></td>
<td>8'-10' HT.</td>
<td>B&amp;B OR CONT.</td>
<td>AS SHOWN</td>
<td>✓</td>
</tr>
<tr>
<td>CF</td>
<td>8</td>
<td>Flowering Dogwood</td>
<td><em>Cornus florida</em></td>
<td>8'-10' HT.</td>
<td>B&amp;B OR CONT.</td>
<td>AS SHOWN</td>
<td>✓</td>
</tr>
<tr>
<td>MV</td>
<td>7</td>
<td>Magnolia virginiana ‘Green Kifle’</td>
<td><em>Magnolia virginiana</em></td>
<td>8'-10' HT.</td>
<td>B&amp;B OR CONT.</td>
<td>AS SHOWN</td>
<td>✓</td>
</tr>
</tbody>
</table>

#### UNDERGROUND TREES

- Trees are fail dry hazards and are not recommended for fail-digging.

#### CANOPY TREES

- Trees are fail dry hazards and are not recommended for fail-digging.

#### ORNAMENTAL GRASSES

<table>
<thead>
<tr>
<th>KEY</th>
<th>QTY</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>CONDITION</th>
<th>SPACING</th>
<th>NATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>as</td>
<td>275</td>
<td>Andropogon virginicus</td>
<td>Switchgrass</td>
<td>1' CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>bg</td>
<td>1,040</td>
<td>Muhlenbergia capillaris ‘Witch’s Broom’</td>
<td>Blue Grama</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>cl</td>
<td>745</td>
<td>Carex davalliana</td>
<td>Gray Green Sedge</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>esp</td>
<td>745</td>
<td>Carex pensylvanica</td>
<td>Pennsylvania Sedge</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>es</td>
<td>250</td>
<td>Fragmata scapigera</td>
<td>Purple Lovegrass</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>rt</td>
<td>700</td>
<td>Helictotrichon sempervirens</td>
<td>Western Feather Grass</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>pr</td>
<td>300</td>
<td>Panicum virgatum ‘ Shenandoah’</td>
<td>Switchgrass</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>so</td>
<td>460</td>
<td>Sesiaria autumnalis</td>
<td>Autumn Moor Grass</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
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</table>

#### TOTAL ORNAMENTAL GRASSES

- 4,615

#### PERENNIALS

<table>
<thead>
<tr>
<th>KEY</th>
<th>QTY</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>CONDITION</th>
<th>SPACING</th>
<th>NATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ah</td>
<td>480</td>
<td>Amsonia hubrichtii</td>
<td>Threadleaf Blue Mist</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>ac</td>
<td>395</td>
<td>Aster canadensis ‘Avalanche’</td>
<td>Common Blue Wood Aster</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
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<tr>
<td>ad</td>
<td>395</td>
<td>Aster divaricatus ‘Eastern Star’</td>
<td>White Wood Aster</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>ao</td>
<td>315</td>
<td>Aster oblongifolius ‘October Skies’</td>
<td>Aromatic Aster</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>ap</td>
<td>250</td>
<td>Carex pensylvanica ‘Froebel’</td>
<td>Purple Coreflower</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>ay</td>
<td>145</td>
<td>Eupatorium coelestinum (syn. Eupatorium coelestinum)</td>
<td>Rattlesnake Master</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>ec</td>
<td>450</td>
<td>Eupatorium coelestinum (syn. Eupatorium coelestinum)</td>
<td>Blue Mistflower</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
<tr>
<td>ho</td>
<td>420</td>
<td>Heucherella villosa ‘Autumn Bride’</td>
<td>Hairy Alumroot</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>18&quot; O.C.</td>
<td>✓</td>
</tr>
</tbody>
</table>

#### TOTAL PERENNIALS

- 2,850

#### SHRUBS

<table>
<thead>
<tr>
<th>KEY</th>
<th>QTY</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>CONDITION</th>
<th>SPACING</th>
<th>NATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ca</td>
<td>53</td>
<td>Cistus xeriscape ‘Compass’</td>
<td>Leatherleaf Cistus</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>AS SHOWN</td>
<td>✓</td>
</tr>
<tr>
<td>iy</td>
<td>17</td>
<td>Ilex x altaclarensis ‘Compass’</td>
<td>Dwarf Holly</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>AS SHOWN</td>
<td>✓</td>
</tr>
<tr>
<td>!n</td>
<td>252</td>
<td>Iris virginica ‘Merlot’</td>
<td>Dwarf Sweetflag</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>AS SHOWN</td>
<td>✓</td>
</tr>
<tr>
<td>Ra</td>
<td>54</td>
<td>Rhododendron ‘Lone Star’</td>
<td>Fragrant Syringa</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>AS SHOWN</td>
<td>✓</td>
</tr>
<tr>
<td>Xu</td>
<td>41</td>
<td>Stachys byzantina ‘Silver Veins’</td>
<td>Yellowwood</td>
<td>1 CONTAINER</td>
<td>CONTAINER</td>
<td>AS SHOWN</td>
<td>✓</td>
</tr>
</tbody>
</table>

#### TOTAL SHRUBS

- 317
PROPOSED BUILDING SITE
PLANT PALETTE: ORNAMENTAL GRASSES

Native
Andropogon virginicus
Broom Sedge

Native
Bouteloua gracilis ‘Blonde Ambition’
Blue Grama

Native
Carex leavenworthii
Lawn Sedge

Native
Carex pensylvanica
Pennsylvania Sedge

Native
Eragrostis spectabilis
Purple Lovegrass

Native
Nasella tenuissima
Mexican Feather Grass

Native
Panicum virgatum ‘Shenandoah’
Switchgrass

Native
Sesleria autumnalis
Autumn Moor Grass
PROPOSED BUILDING SITE
PLANT PALETTE: FLOWERING PERENNIALS

Native

Amsonia hubrichtii
Threadleaf Bluestar

Native

Aster cordifolius ‘Avondale’
Common Blue Wood Aster

Native

Aster divaricatus ‘Eastern Star’
White Wood Aster

Native

Aster oblongifolius ‘October Skies’
Aromatic Aster

Native

Echinacea purpurea Kismet ‘Intense Orange’
Purple Coneflower

Native

Eryngium yuccifolium
Rattlesnake Master

Native

Eupatorium coelestinum
Blue Mistflower

Native

Heuchera villosa ‘Autumn Bride’
Hairy Alumroot
PROPOSED BUILDING SITE
PLAY AREA DETAILS

Poured-In-Place Rubber Safety Surface
Orange, Green, & Gray Color Mix Options to Coordinate with Architectural Palette

A Tree Climber
B Log Scramble
C Obstacle Course
D Spinner Plate
Backed Bench
Manufactured by Landscape Forms
Wood Slats and Gray Powder Coat Frame with End and Center Armrests
Location: Main Entrance Plaza & Throughout Schoolyard

Backless Bench
Manufactured by Landscape Forms
Wood Slats and Gray Powder Coat Frame with End and Center Armrests
Location: Bosque & Social Gathering Space

Fixed Table
Manufactured by Du Mor
3 & 4 Seat Options, Recycled Plastic Tops & Seats
Location: Bosque & Social Gathering Space and Terraced Seating / Outdoor Classroom

LED Pedestrian Light Post
Manufactured by Landscape Forms
16’ Post Height, Black Posts & Fixtures
Location: Throughout Site

Pedestrian Bridge
Manufactured by Streetlife
Wood Slats & Handrail with Steel Frame
Location: Parking Lot to Schoolyard; spanning over Bioswale

Tree Grate
Manufactured by Streetlife
“Ripples” Lasercut Pattern (see inset)
Location: Bosque & Social Gathering Space

Bike Rack
Manufactured by Landscape Forms
Powder Coat Steel
Location: Main Entrance Plaza & Kenmore Road Schoolyard Entrance

PROPOSED BUILDING SITE
SITE FURNISHINGS
Proposed Building
The street-facing facades are predominantly brick masonry & include a light and medium grey horizontal stripe pattern. The medium grey brick is utilized to create branding of the school name & lion’s logo. Grey metal panels accent the curtainwall & storefront. Mullion cap extrusions at the curtainwall color match the metal panel accents.

<table>
<thead>
<tr>
<th>Masonry</th>
<th>Sherwood Grey Velour</th>
<th>English Grey Velour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Running bond, standard size &amp; texture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-color pattern</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mortar</th>
<th>Curtainwall – Dark Grey</th>
<th>Storefront – Dark Grey</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CW ‘Frame’</th>
<th>Glass</th>
</tr>
</thead>
</table>
The playground-facing facades are predominantly grey metal panel of 2 varying corrugation densities. Accent color panels are staggered throughout the grey metal panel. Dark grey brick acts as a base for the metal panel facades.
1. BRICK – 2 TONE GREY HORIZONTAL STRIPE
2. BRICK – 2 TONE SUPERGRAPHIC
3. METAL PANEL – VERTICAL CORRIGATIONS
4. STOREFRONT WINDOW
5. CURTAINWALL
6. BRICK – DARK GREY
1. BRICK – 2 TONE GREY HORIZONTAL STRIPE
2. BRICK – 2 TONE SUPERGRAPHIC
3. METAL PANEL – VERTICAL CORRIGATIONS
4. STOREFRONT WINDOW
5. CURTAINWALL
6. BRICK – DARK GREY

BUILDING ELEVATIONS
LOWER SCHOOL NORTH & SOUTH

EWING COLE
Lewis C. Cassidy Elementary School
City of Philadelphia – Art Commission
30 Lewis C. Cassidy Elementary School
City of Philadelphia – Art Commission

BUILDING ELEVATIONS
LOWER SCHOOL EAST & WEST (INNER SHELL)

1. BRICK – 2 TONE GREY HORIZONTAL STRIPE
2. BRICK – 2 TONE SUPERGRAPHIC
3. METAL PANEL – VERTICAL CORRIGATIONS
4. STOREFRONT WINDOW
5. CURTAINWALL
6. BRICK – DARK GREY

BUILDING ELEVATION - INTERIOR WEST, NORTH

BUILDING ELEVATION - INTERIOR WEST, SOUTH

BUILDING ELEVATION - INTERIOR EAST, NORTH

BUILDING ELEVATION - INTERIOR EAST, SOUTH
Products
Curtain Wall + Storefront Ultra Thermal Systems
Solar Control Low-E Glass with Bird-friendly Etching
Solar Sunscreen: Cradle to Cradle Certified ‘EcoVeil’ Screens, 5% Open

Window to Wall Ratio (WWR): code maximum 40% | **Design: 27%**

U-value: code maximum 0.38 | **.34 provided**

Solar Heat Gain Coefficient (SHGC):
  - Code Maximum for Orientations SEW, F < 0.2: 0.36, 0.2 < PF < 0.5: 0.43, PF > 0.5: 0.58 | **.28 provided**
  - Code Maximum for Orientation N, PF < 0.2: 0.48, 0.2 < PF < 0.5: 0.53, PF > 0.5: 0.58 | **.28 provided**

Visible Transmittances: code minimum 1.10 | **.67 provided**

Security: Within 12 ft. above exterior grade surface or accessible elevated deck surface, security treatment at windows will include impact resistant glazing.

**Bird-Friendly Glass**

Visual markers on the exterior (1st) surface of the glass provides birds with the best chance to identify a solid barrier and avoid collision.

This bird friendly glass solution combines acid-etched visual markers on the 1st surface with high performance low-e coatings on the 2nd surface.
3D MASSING

VIEW OF NEW PUBLIC ENTRY PLAZA ON LANSDOWNE AVE
PERSPECTIVE VIEWS
VIEW OF SOUTH-WEST FAÇADE WITH LIONS LOGO INTEGRATED IN BRICK
PERSPECTIVE VIEWS
VIEW FROM PLAYGROUND OF ACADEMIC WING, SCHOOLYARD ENTRY, AND CAFETERIA
PERSPECTIVE VIEWS
VIEW FROM PLAYGROUND OF ACADEMIC WING, SCHOOLYARD ENTRY, AND CAFETERIA