

Hyattsville Library Design Presentation to the Community

- Welcome & Overview of Project
- Community Input from 2013 & 2014
- Site Design & Context
- Library Design
- High Performance/sustainable Building Features

15 June 2015

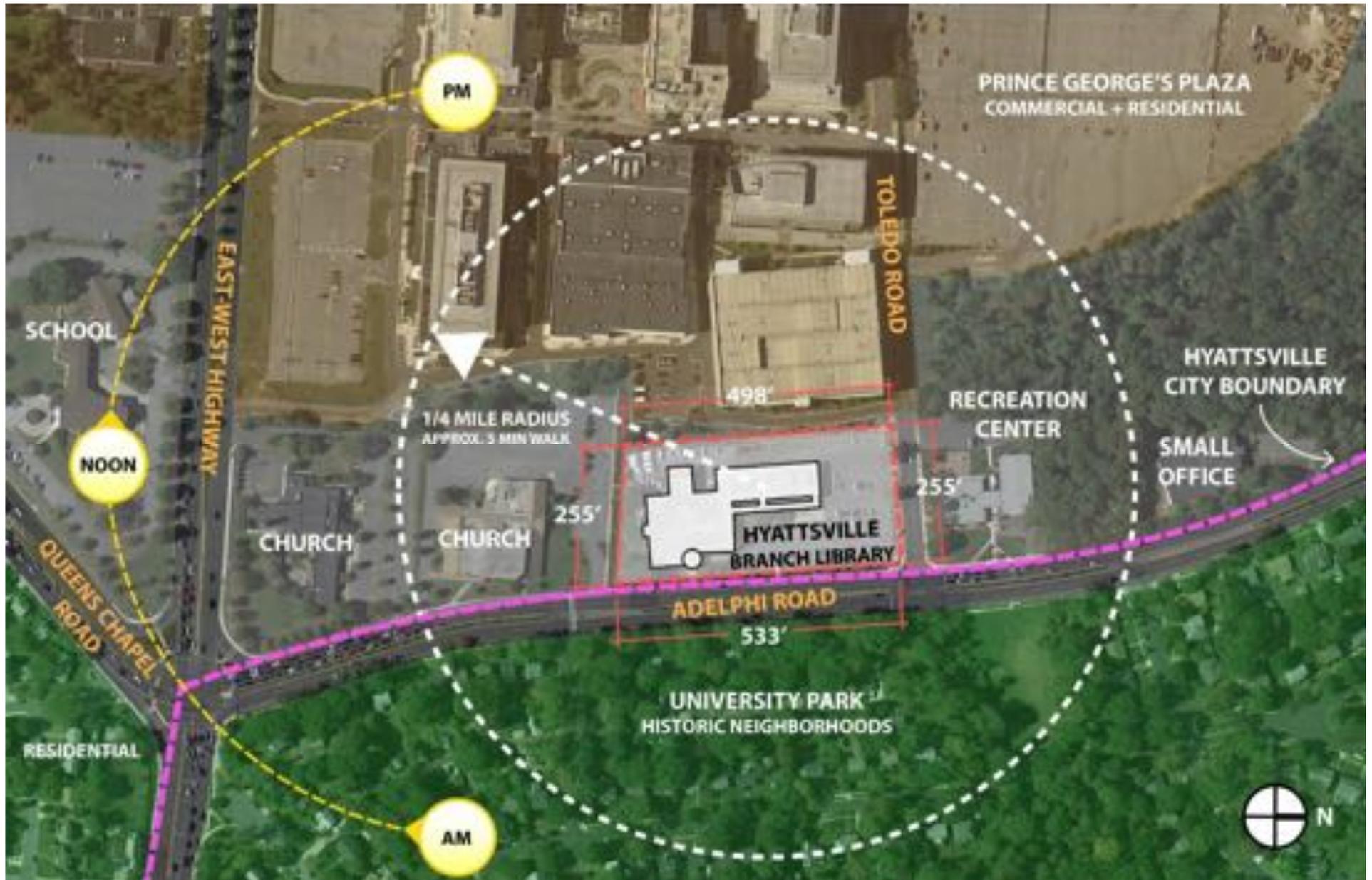


Hyattsville Library Project Overview

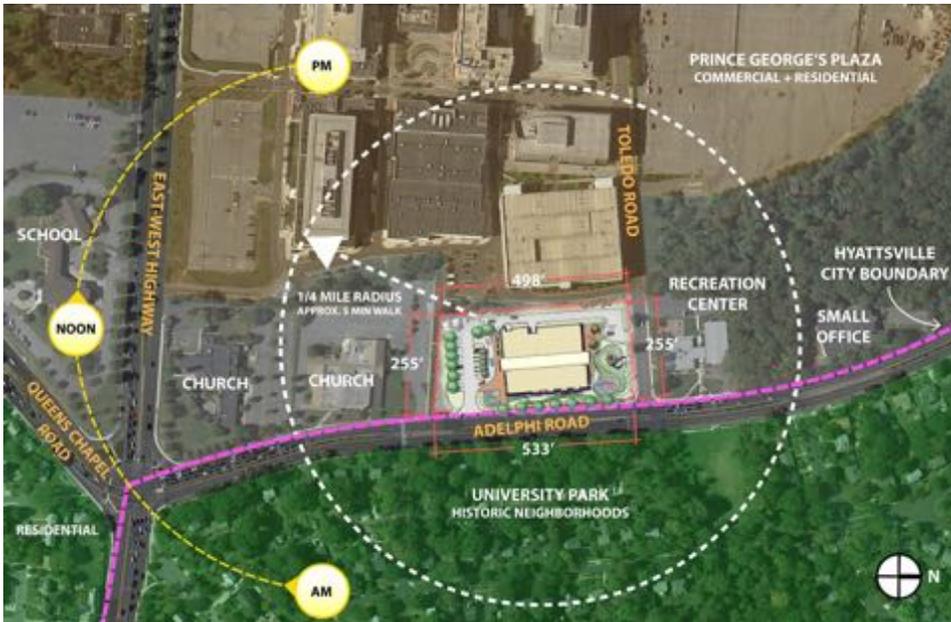
- **A New 39,000 SF Public Library that is welcoming and inviting to everyone in the community AND saves the Flying Saucer**
- **Beautiful, well-lit library interiors for adults, teens, and children**
- **State of the art shelving and collection areas, meeting, conference, computer, café and study spaces**
- **Specialized children's and Teen areas that promote early childhood literacy, informational literacy, and technological literacy**
- **123 parking spaces including 100 under the building, 23, at the front drop off, 9 HC, and 3 electric car charging stations**



Existing Library Location



Site & Urban Planning Goals



- Prominent & Highly Visible Library
- Welcoming & Inviting to All
- Save the Flying the Saucer
- Create a Walkable Edge Along Adelphi
- Increase Green & Decrease Paved Areas
- Transition between mixed- use & residential areas
- Safe Access for People, Bikes, & Cars
- Clear Site Entrances & Exits
- Separate Service Areas
- Ample & Screened Parking Areas

Community Ideas and Input

August 2013, July 2014, August 2014 & September 2014

What Would Make This Project a Success for You?

Program

- Expand services, book collection and computers.
- Provide vibrant spaces for learning, interaction, and private reflection
- Welcoming to all ages and cultures

Community

- “Saucer” is an important architectural feature and a community icon
- Library should interact physically and programmatically with surrounding buildings and community
- Sustainable and environmentally friendly

Accessibility

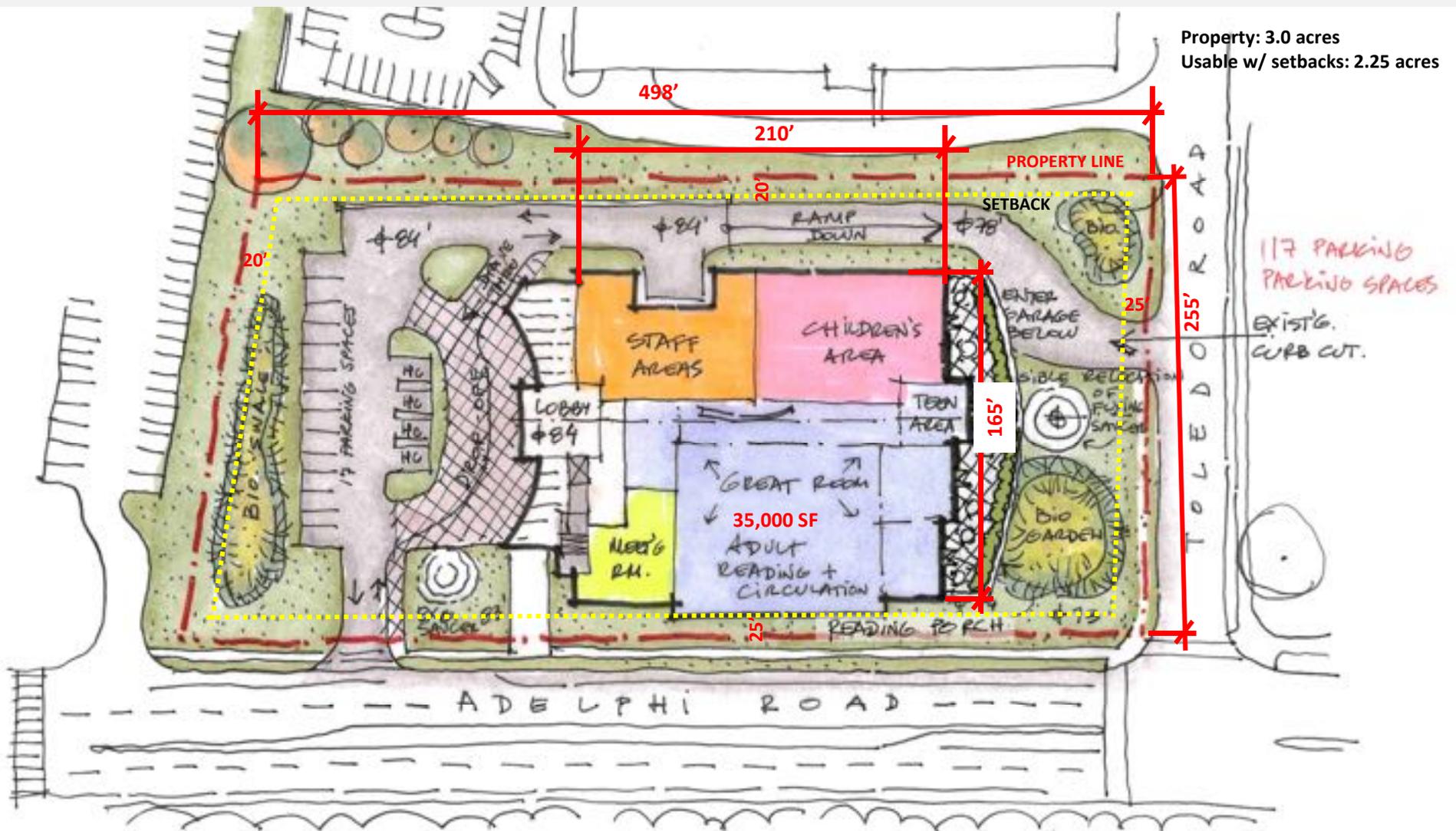
- Universally accessible for all people, regardless of their disabilities
- Friendly and easily navigable for pedestrians, bicycles, and vehicles
- Open feeling- not overwhelmed with large stacks in narrow rows

Guiding Principles for the Design:

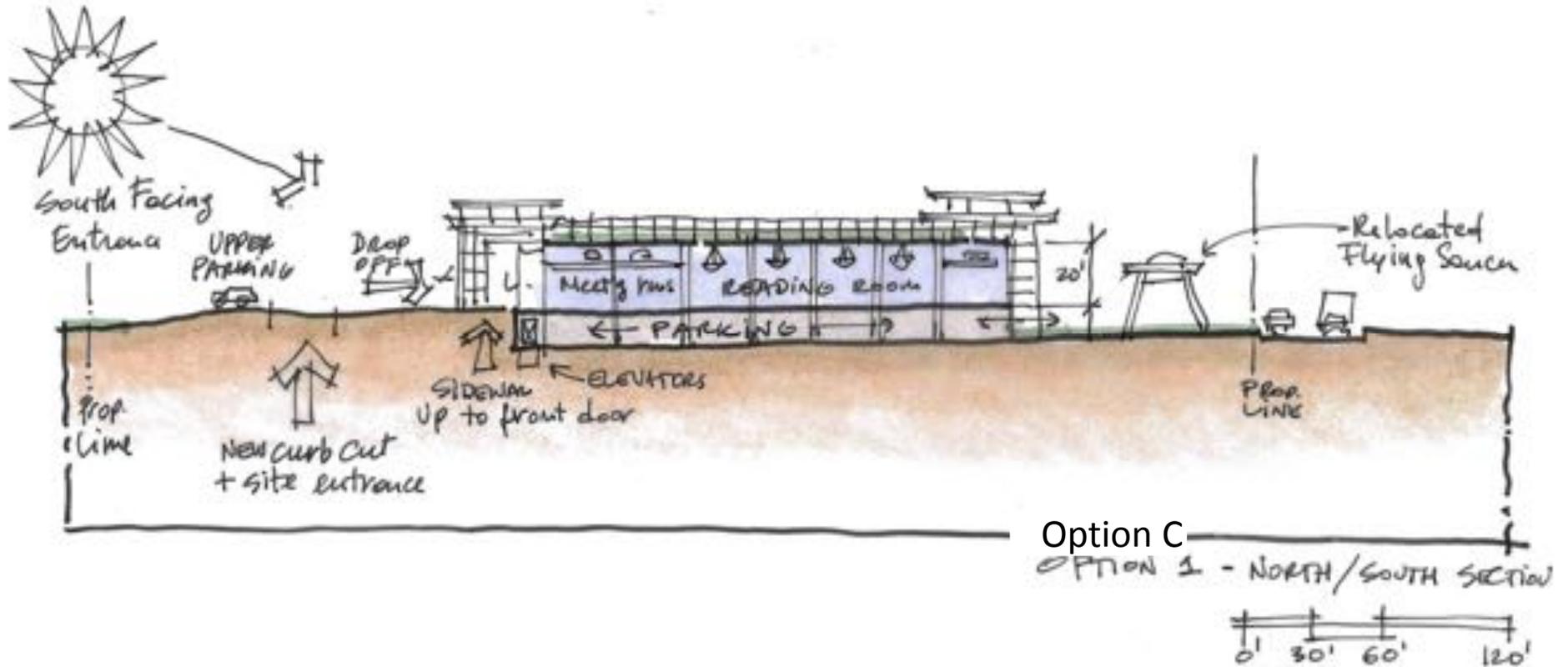
1. Design a **welcoming facility** that provides community and staff with cutting edge programs, vast book collection, flexible spaces, and **state-of-the-art** technology.
2. Create an **accessible** building for all people: universally friendly to everyone regardless of their age, health, or background.
3. Provide a **beautiful, inspiring, sustainable facility** that is not only a mark of pride for the community but is efficient and educational.
4. **Preserve the existing “Saucer”** and celebrate the iconic form by integrating it into the new design.



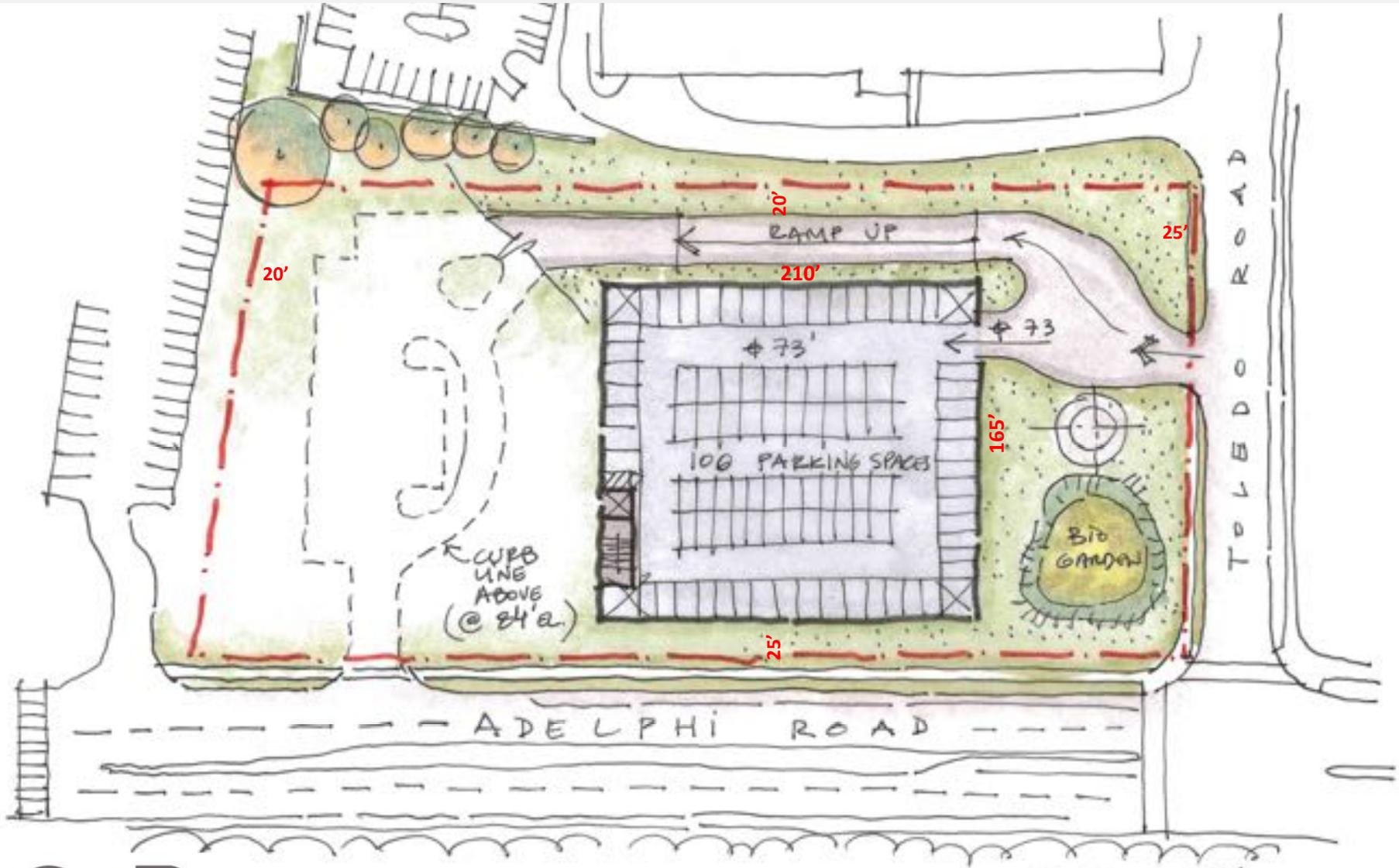
Sept. 2014 Preferred Option C



Sept. 2014 Option C



Sept. 2014 Preferred Option C



Sept. 2014 Preferred Option C



Interior Layout Diagram

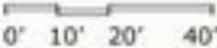
Vertical Arrangement



A-A

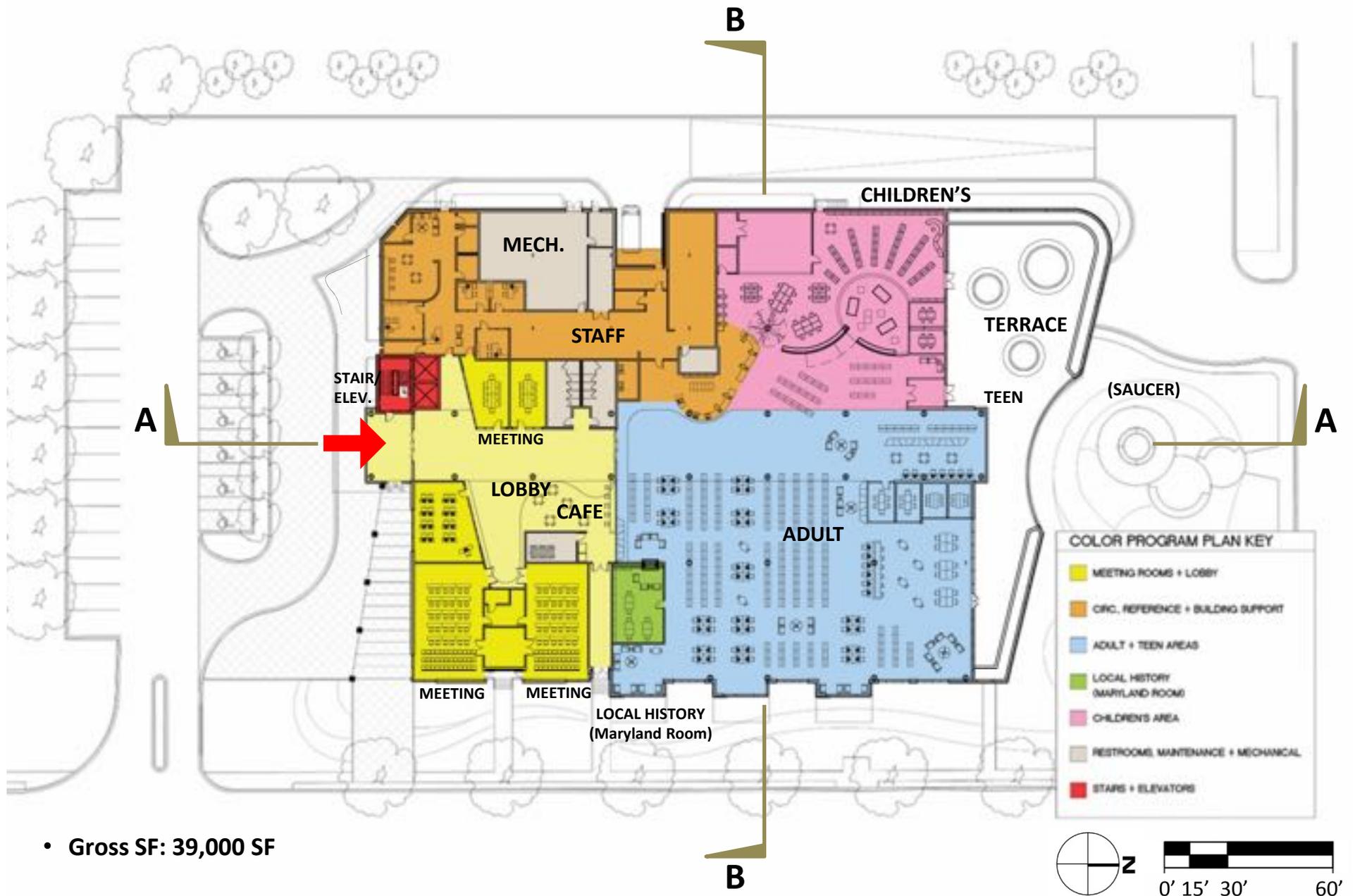


B-B

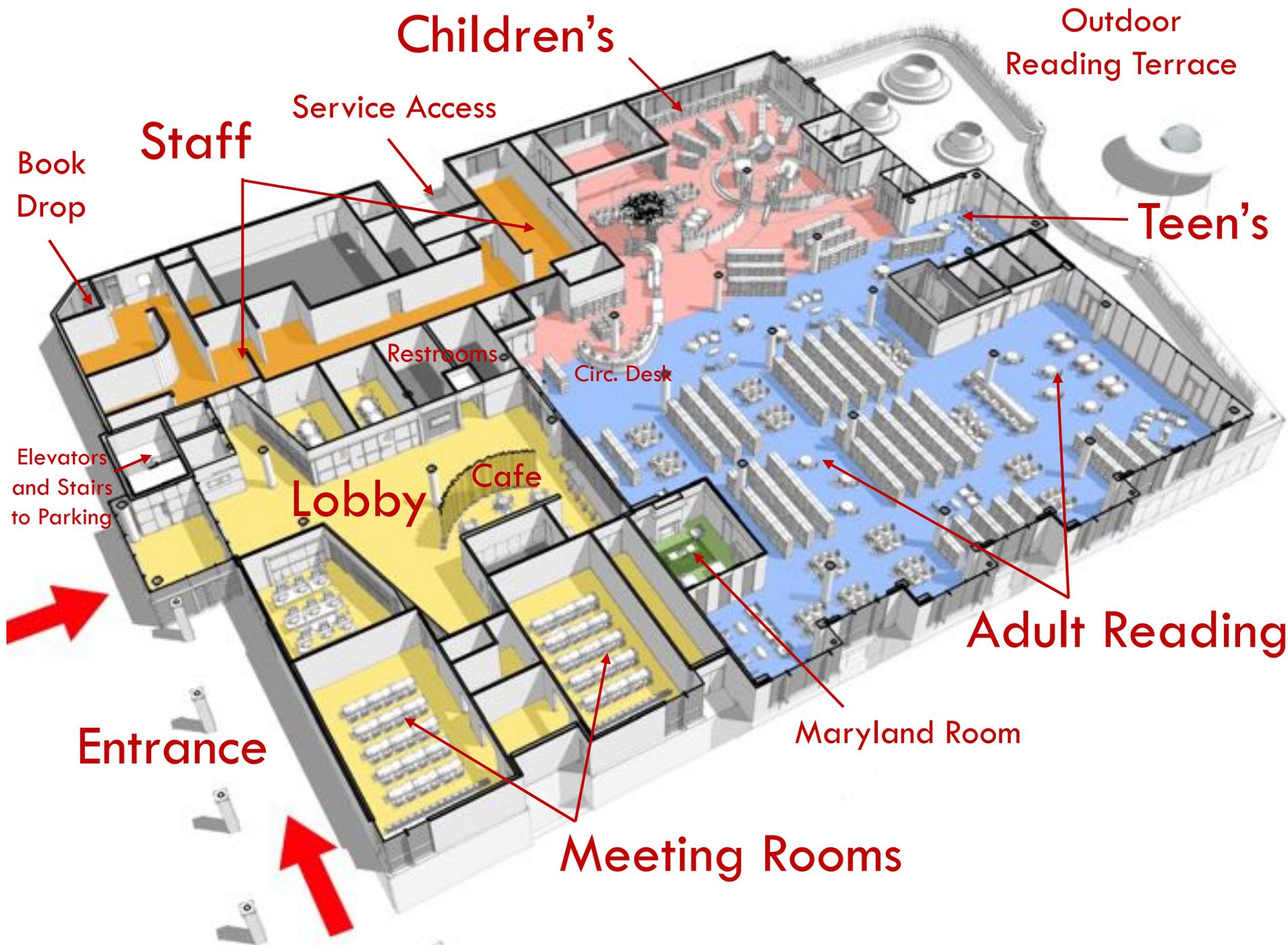


Interior Layout

Main Floor Plan



• Gross SF: 39,000 SF



Hyattsville Library – Welcoming + Inviting



Movie

Hyattsville Library – Welcoming + Inviting



Celebrating Sustainability & the Environment

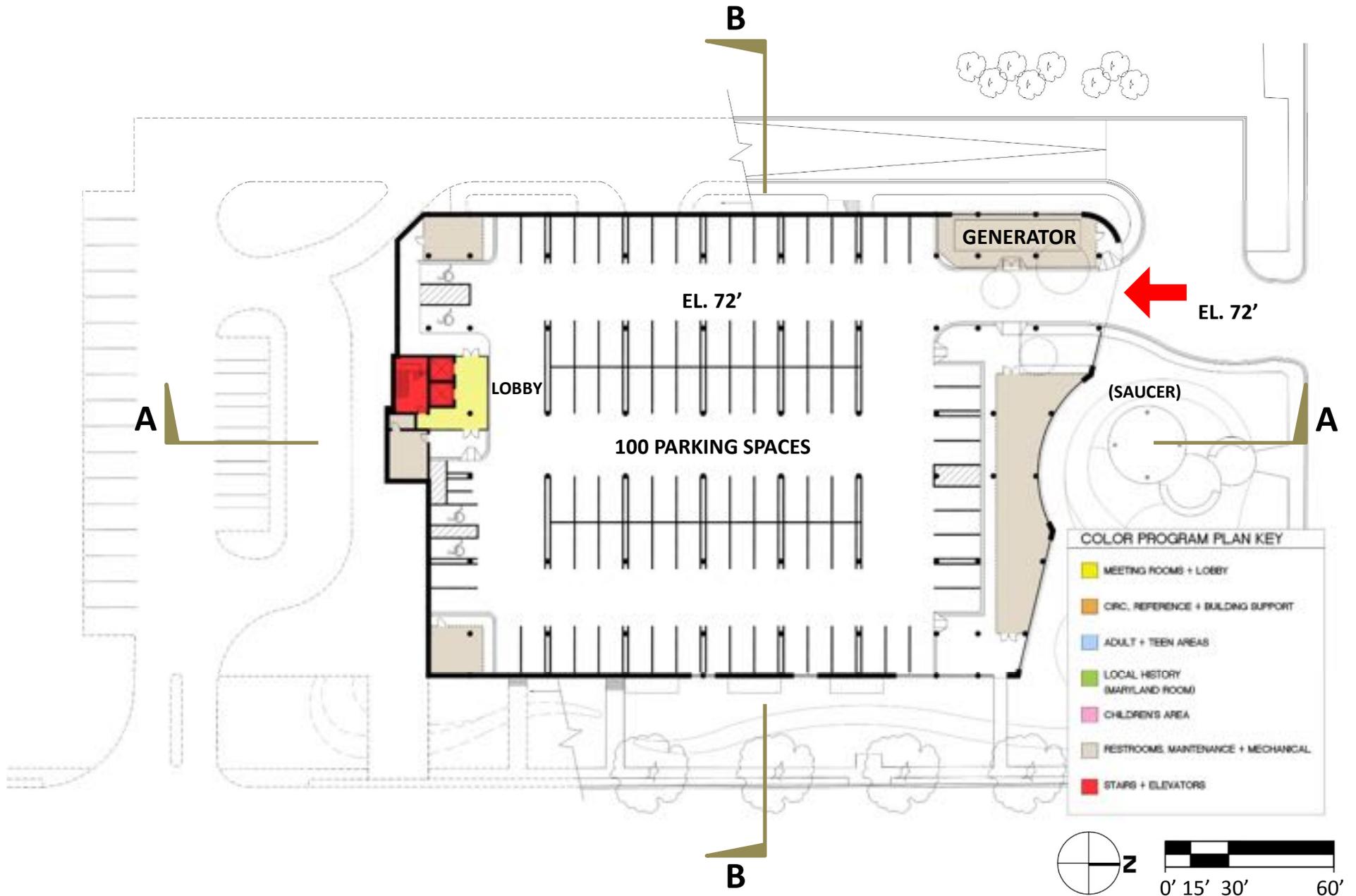


More Green Space — Parking Below Building



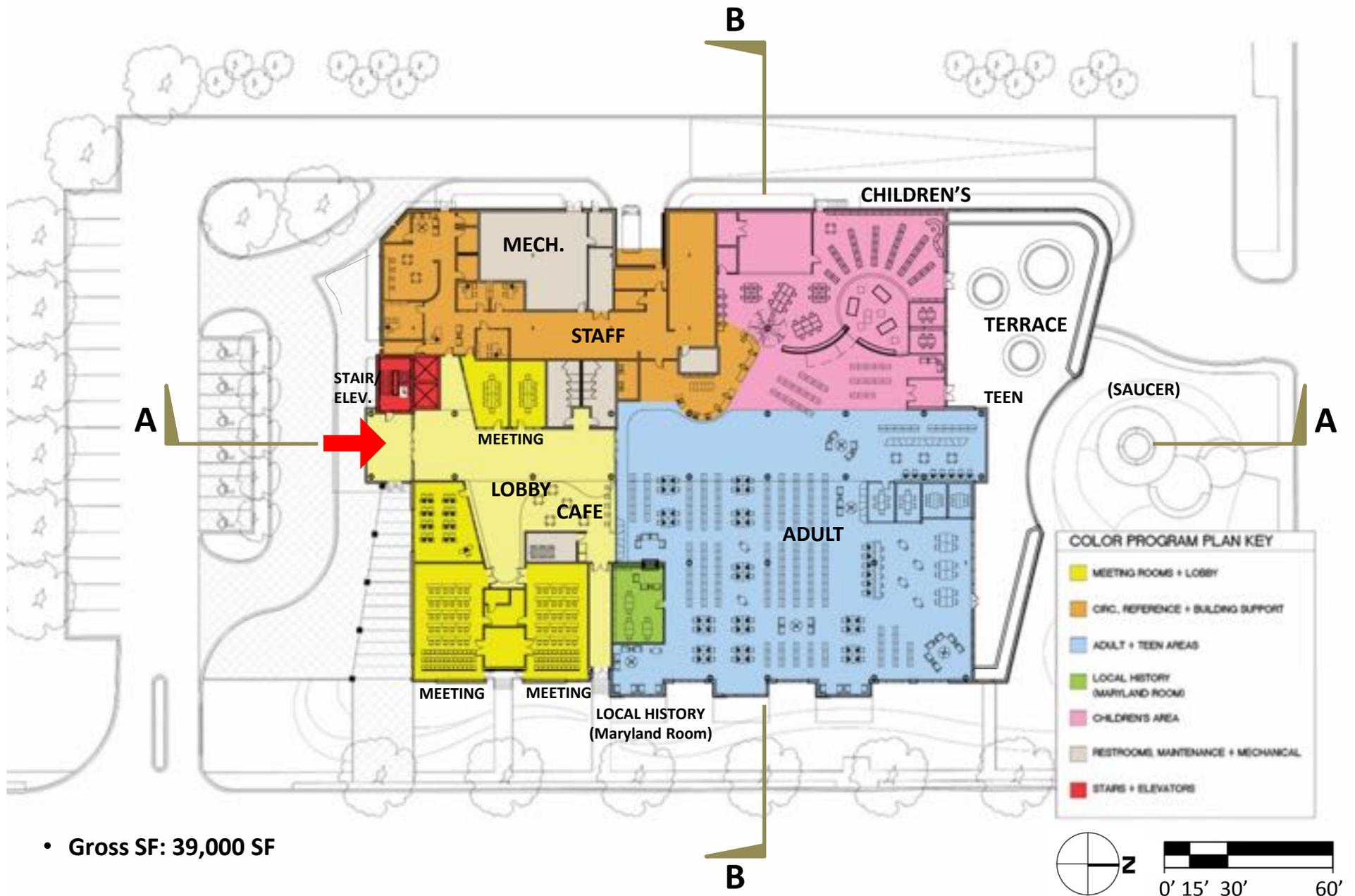
Interior Layout

Structured Parking Floor Plan



Interior Layout

Main Floor Plan



• Gross SF: 39,000 SF

More Green Space — Parking Below Building



New Library Site Plan

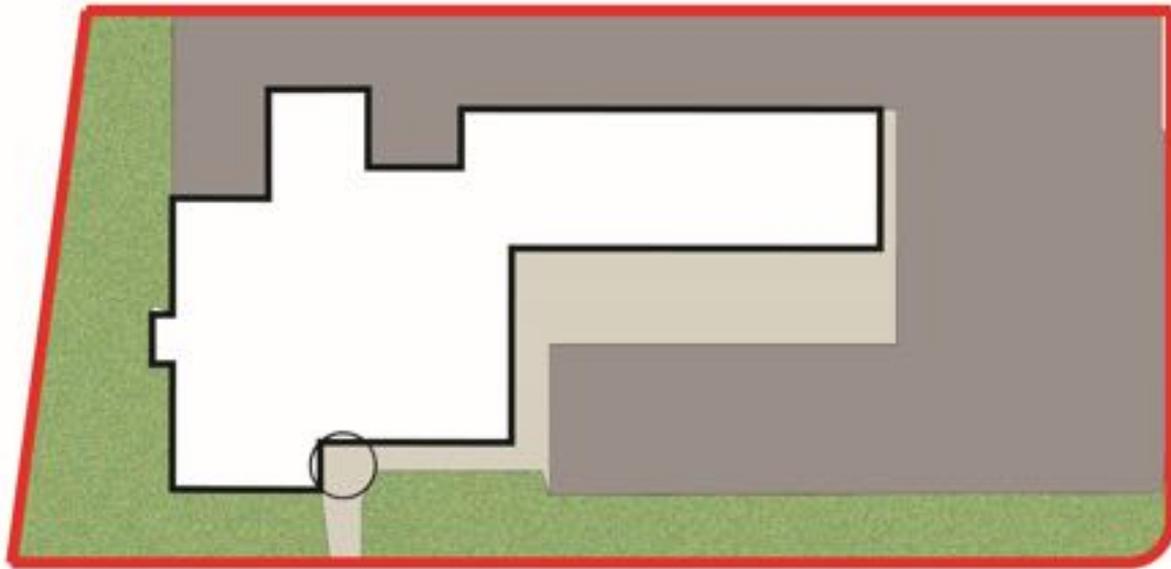


Hyattsville Library – Welcoming + Inviting



Celebrating Sustainability & the Environment



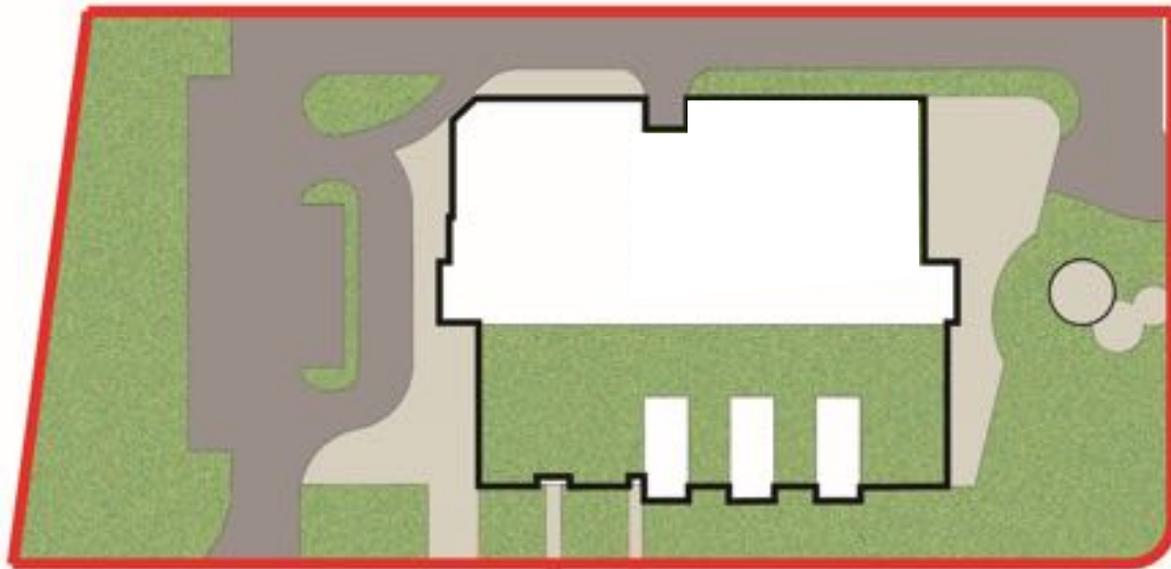


Existing Site Plan

(Lot Area **130,670 sf**)

Impervious Surface
101,580 sf

Green Surface
29,100 sf



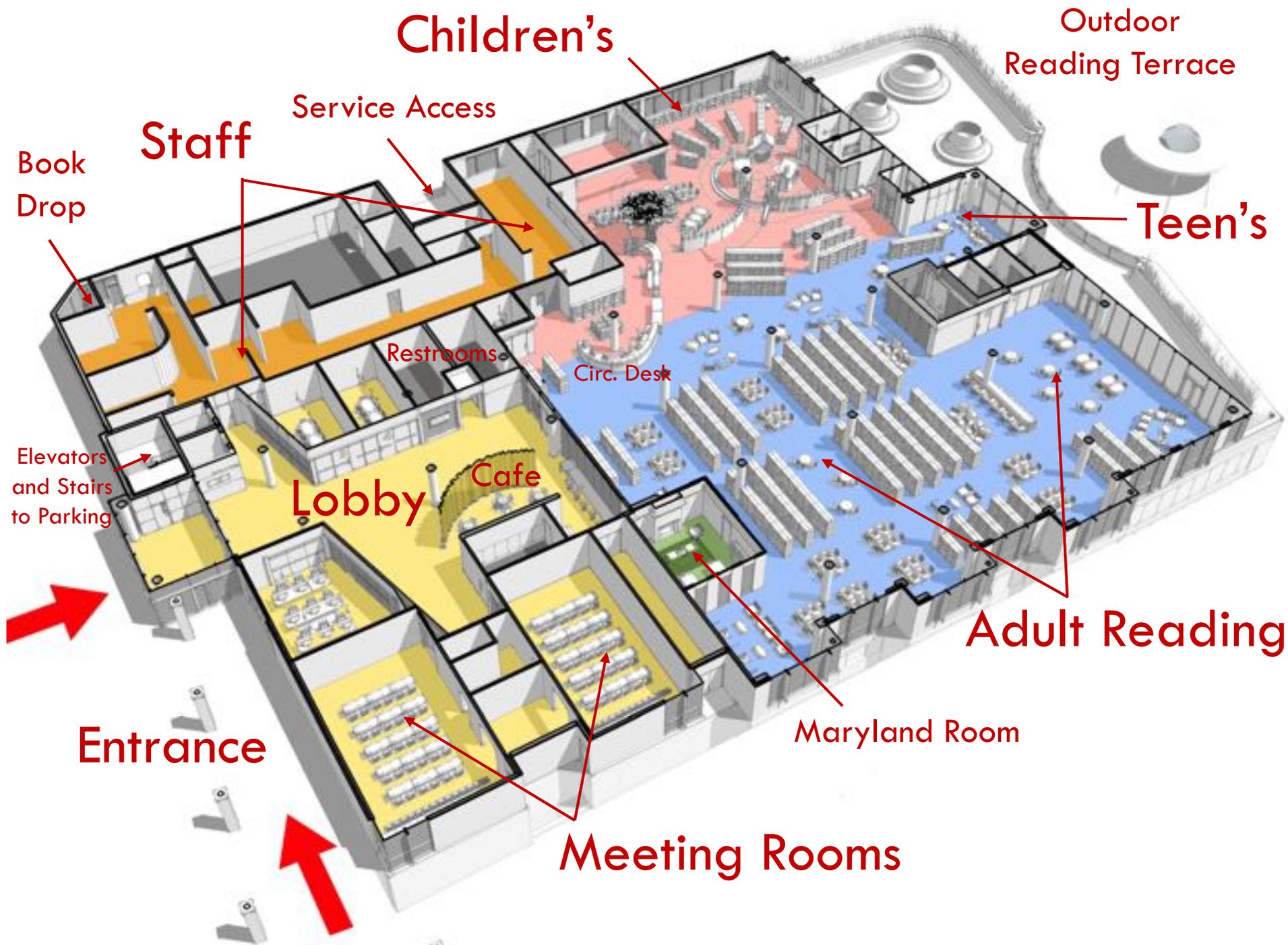
Proposed Site Plan

Impervious Surface
61,960 sf

Green Surface
68,720 sf



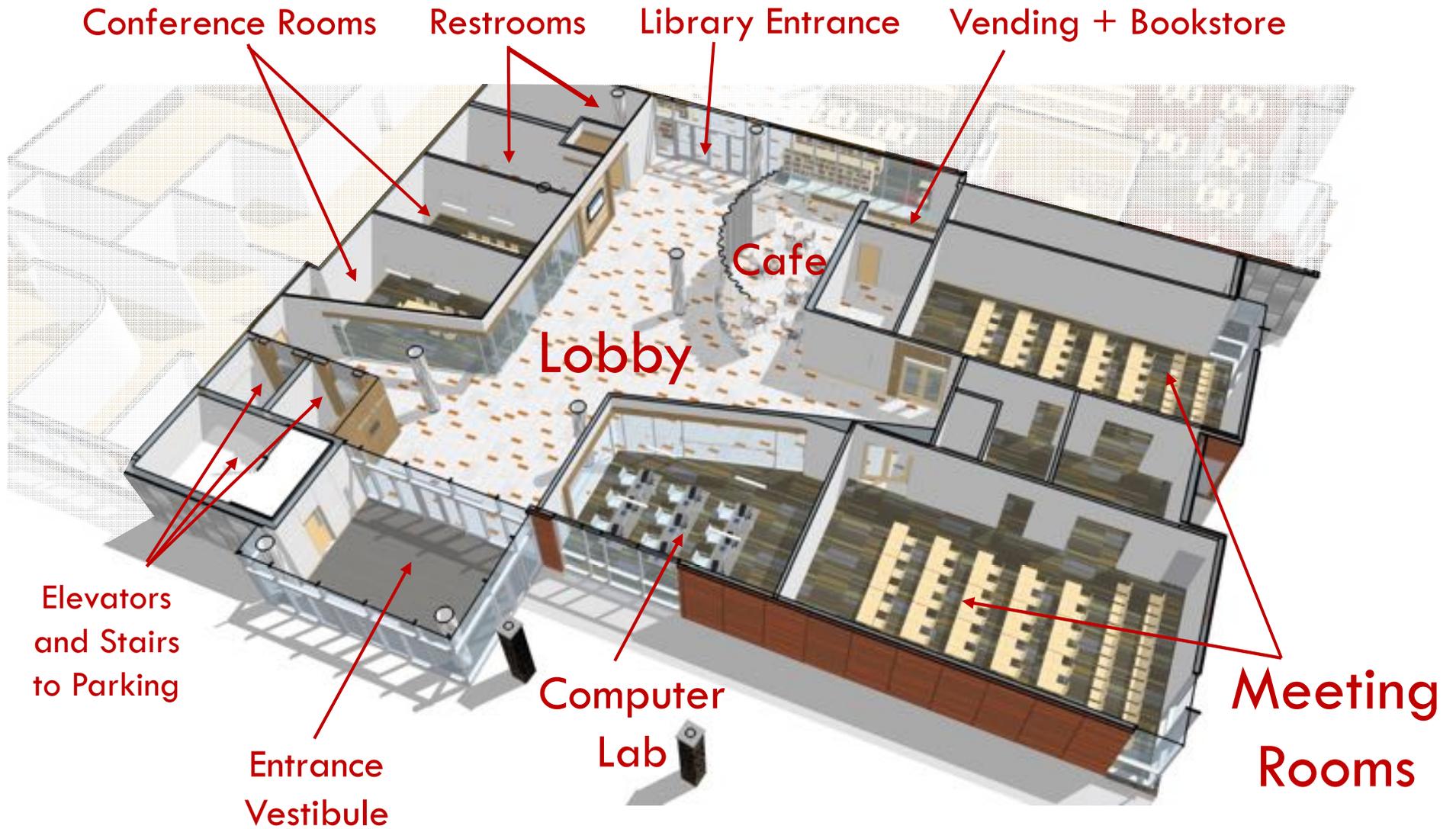
Green vs. Impervious Surface Area



The Entrance Experience and Amenity Spaces



Public Use Spaces



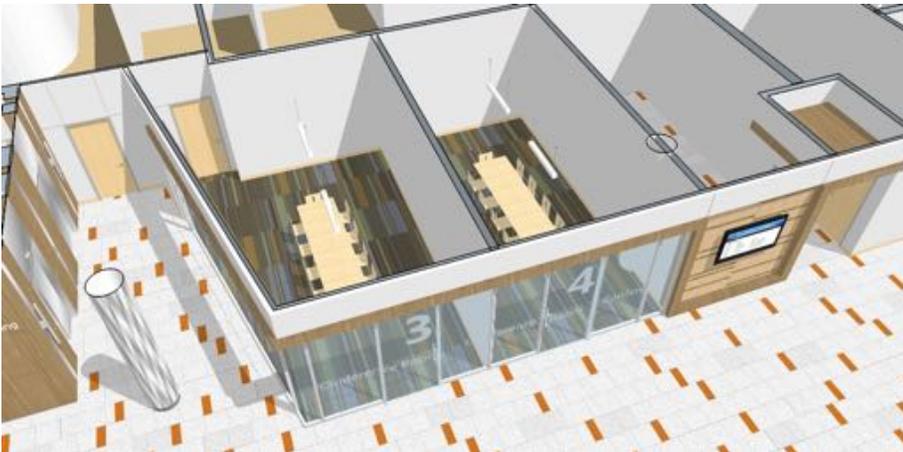
Library Trends

Source : A.L.A. – 2015 State of America's Libraries Report



Café + Bookstore

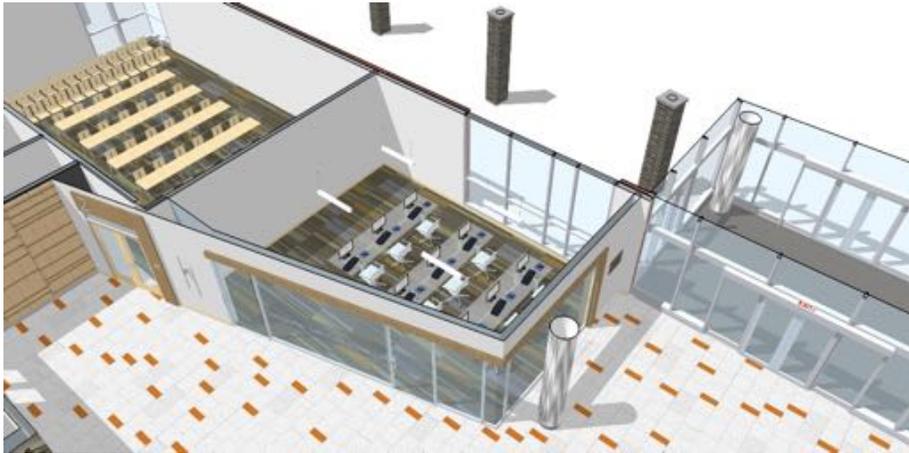
- Libraries are no longer just a place for books, libraries are seen as anchors, centers for research and holders of cherished spaces.
- Maker Spaces are trending and provide evidence that libraries are continuing to evolve beyond the traditional focus on collections.



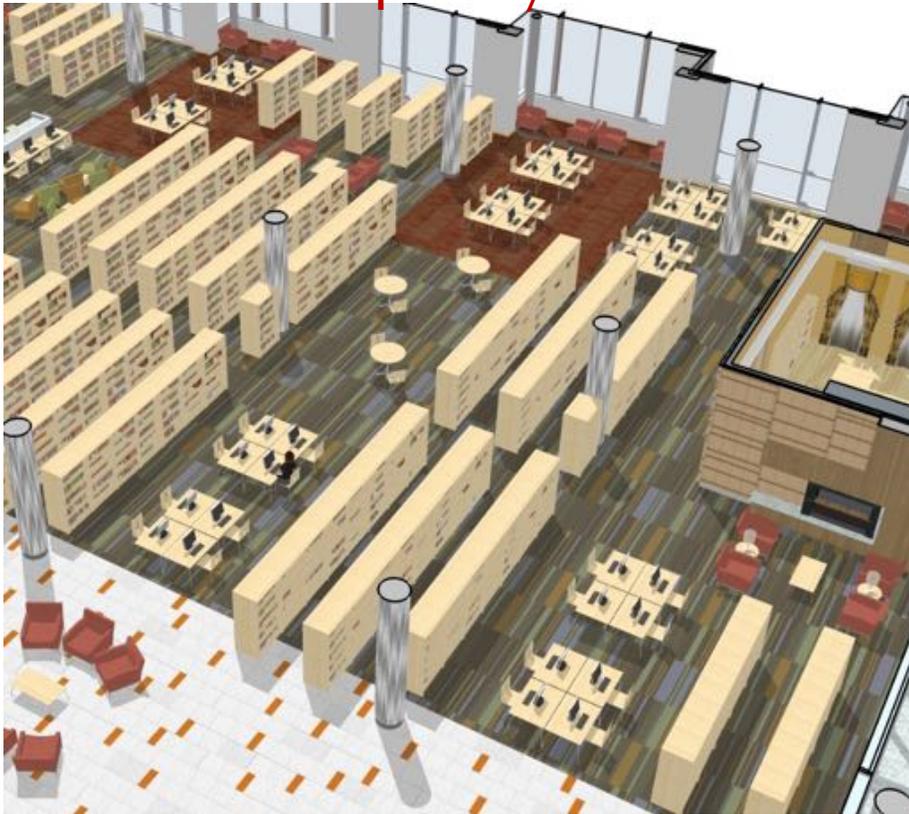
Conference / Meeting Rooms

Library Trends

Source : A.L.A. – 2015 State of America's Libraries Report



Computer / Maker Room



Traditional Book Collection

- **Digital Literacy** continues to grow as an important library service.
- **Traditional Book Collection** along with places for reading continues to be one of the most important elements of library design.

The Library



Children's Area



Nurturing the Life Long Readers



Nurturing the Life Long Readers



Nurturing the Life Long Readers



Library Trends

Source : A.L.A. – 2015 State of America's Libraries Report

- Learning to love to read starts at an early age.
- Early childhood literacy involves literacy activities that provide reading and writing skill-building and problem solving opportunities for young children.
- These can be done not only through picture books, but through play, songs, poetry and storytelling.
- For that effect, the library shall promote these activities by providing free resources in the form of appropriate spaces and interactive elements that facilitate learning.



Multi Purpose Story Room



Interactive End Panels and Kiosks

Why Reading at a Young Age Matters



15 minutes / day
of independent reading can =
1 million+
words in a year.²



Reading to a
child in an
interactive style
raises his or her
IQ by over
6 points.

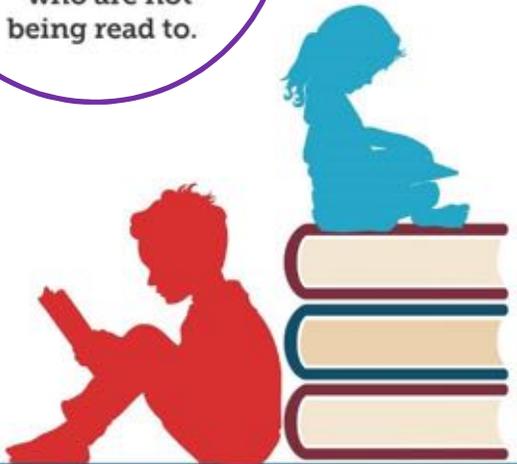


Children without
basic literacy skills
when they enter
school are
3-4 times
more likely to
drop out later.³

Daily reading
to children puts
them almost
1 year
ahead of those
who are not
being read to.



The evidence is overwhelming. Introducing a child to reading gives them one of the most important personal habits they'll need to have a successful career and a happy, productive life. - *What Reading Does to the Mind*



"For the majority of young people, enthusiastic and habitual reading is the single most predictive personal habit for the ability to achieve desirable life outcomes."⁴
-After School Literacy Brief

Learn + Discover While Playing

Early childhood literacy involves literacy activities that provide reading and writing skill-building and problem solving opportunities for young children.



Arts + STEM in Early Childhood Learning



"Experts tell us that 90% of all brain development occurs by the age of five. If we don't begin thinking about education in the early years, our children are at risk of falling behind by the time they start kindergarten."

~ Robert. L. Ehrlich

www.LearningStationMusic.com

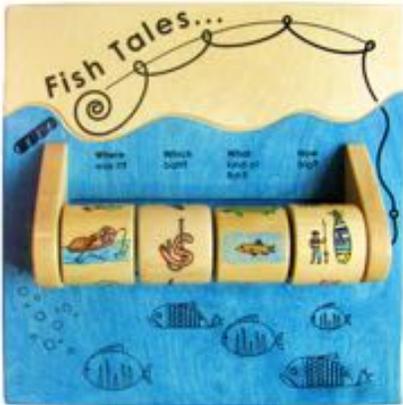


LearningStationMusic.com

~ Robert L. Ehrlich



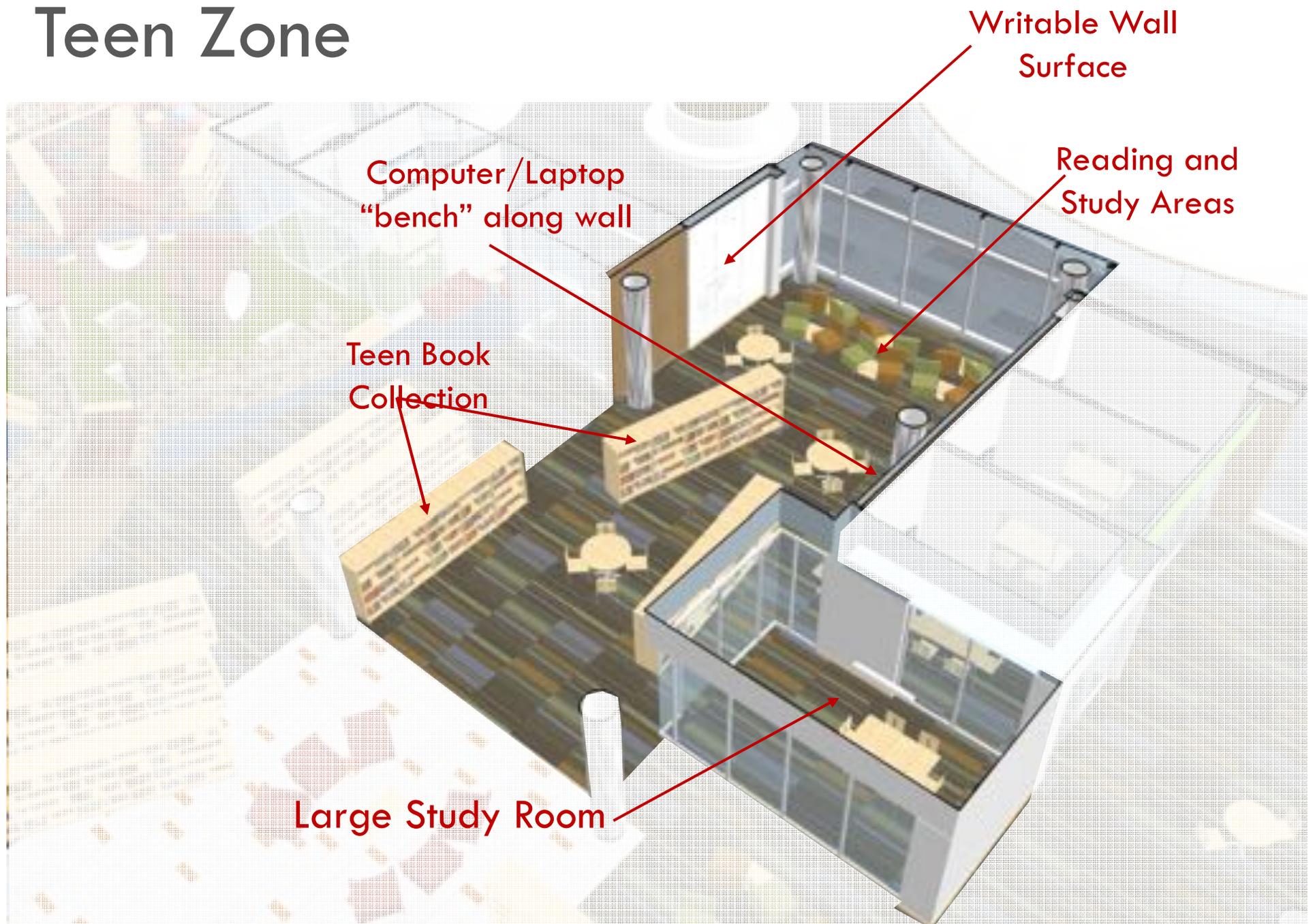
Interactive Literacy Nooks



The library is a great way to foster early literacy by offering access to books and activities on a wide range of literacy levels and subjects. Learning is not only through books, but through play, songs, poetry, math and storytelling.



Teen Zone



Teen Zone



Library Trends

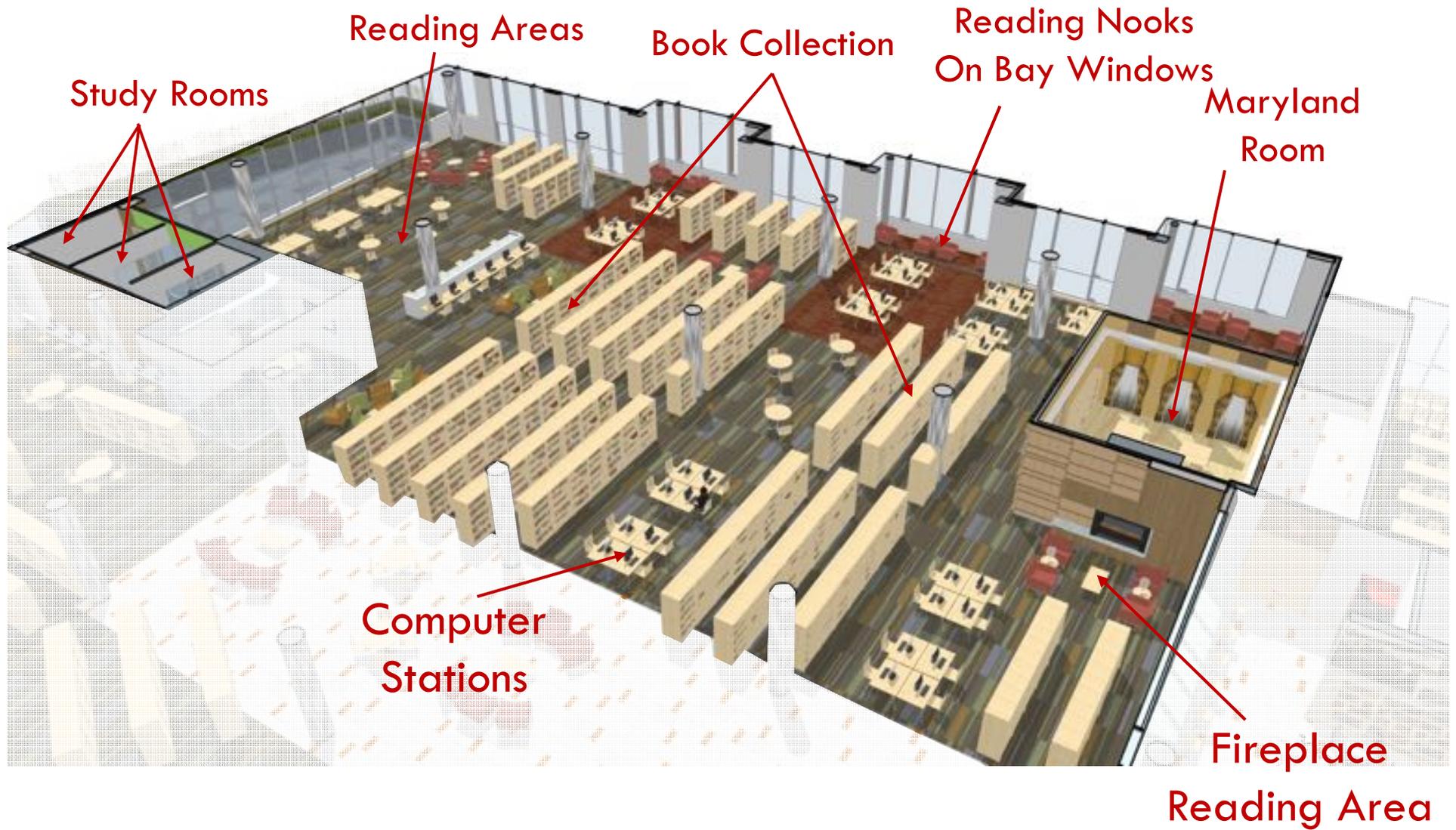
Source : A.L.A. – 2015 State of America's Libraries Report

- Increasingly Libraries are playing a essential part in nurturing 21st Century information literacy Skills in Teen area services.



Teen Zone

Adult Reading Area



Adult Reading Area



Adult Reading Area



Maryland Room

- A brand new room designed to emulate the existing room in a detailed manner, with all the traditional design, and with an added element: a fireplace



Sustainable Site Features

- Compact building footprint with parking tucked below in garage reduces impact on natural environment.
- Highly reflective roofing reduces Heat Island Effect and reduces need for artificial cooling 
- Vegetative (or Living) roof provides insulation, natural cooling, and habitats for birds and insects. It also filters rainwater and contributes to SWM calculations 
- Landscaping includes native and drought-resistant plantings 
- Raingardens including biofilters and bioswales surround the building and site, slowing down rainwater and treating the quality before it recharges the natural aquifer. 



High Performance Building Features

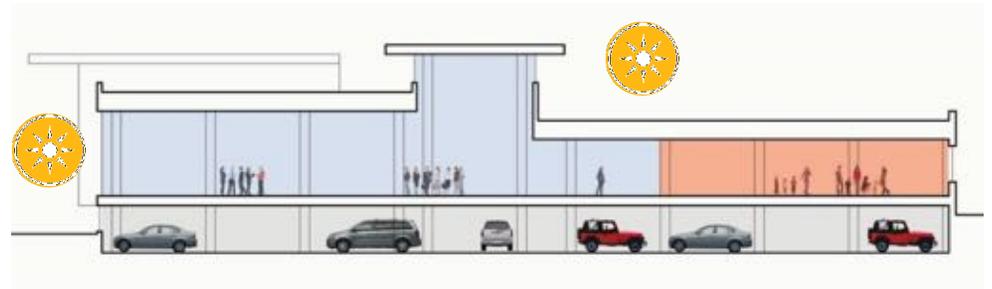
- VAV rooftop unit with DX cooling coil and air cooled economizers provide 100% outside air to the building
- CO2 (carbon dioxide) sensors monitor the occupancy density for demand control ventilation and adjust the indoor air flow accordingly
- Proposed Photovoltaic (PV) panels on the roof will generate on-site renewable electricity via sunlight ⚡
- Improved building envelope with high performance, low-e insulated glazing and increased R-values in walls and roof reduce energy usage 🔨
- HVAC Commissioning for third-party verification



- LED lighting is used in the site lighting, library book stacks, and tall ceiling spaces
- Energy-efficient T5 lighting with multiple lamping provides direct/indirect illumination and multiple lighting controls
- Vacancy sensors in certain rooms
- Electric Vehicle Charging Stations for cars

Healthy Indoor Environments

- Finish Materials will have low-VOC (volatile organic compounds) for healthy air 
- Natural daylighting is introduced in a controlled manner via clerestory windows and plenty of exterior windows 
- Views to the outside and surrounding garden landscaping bring the outside in and introduce nature into the interior



Meeting Green Regulations

- The Clean Renewable Energy Technology in Public Building's Law
- Council CB-083-2013
 - Provide 1 kW of renewable energy for every 1,000 SF via Photovoltaic panels
- Prince George's County Sustainable Energy Program, High Performance Building Guidance Document
 - Reduction of energy consumption by 20%
 - Purchase of Energy Star Certified products
 - Reduction of potable water consumption by 20%
- Designed to Earn ENERGY STAR for Libraries
 - ENERGY STAR score of 75 or higher is required
- No LEED certification required, but used as a tracking tool



* Design Team will evaluate potential to meet these regulations as design and budget progresses

Site/Landscape Plan



“Flying Saucer” Preservation Concept



Existing



Proposed

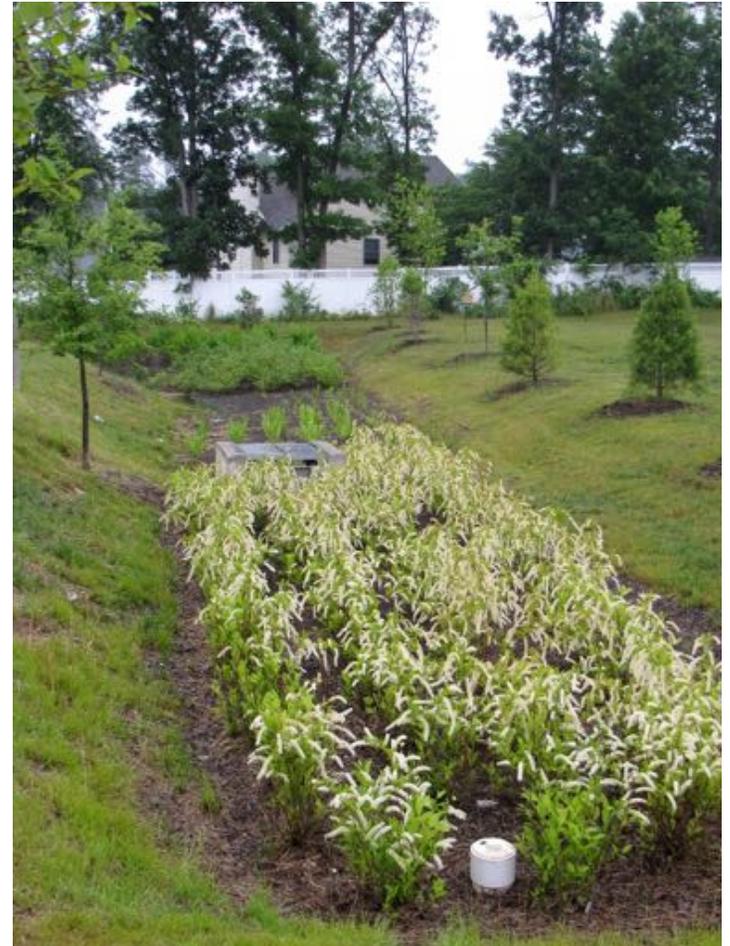
Site Strategies

- Strong indoor – outdoor relationships.
- Focus on visual and **physical connection** between indoor and outdoor spaces
- Focus on **pedestrian circulation** for ease, accessibility, safety
- Attention to **historical and cultural context**: Placement of saucer in highly prominent position and activating the space around it
- Site programming focuses on **education and demonstration**: the whole site can be a teaching tool
- Inviting outdoor spaces encourage **use of site**: wifi-enabled Saucer pavilion, gardens, reading terrace and overlook
- **Change in elevation** allows partial burying of parking, screened with undulating land forms that still allow air and **light into the garage** spaces while providing an attractive visual barrier
- Ample **parking spaces underneath the main floor** (x spaces), with 23 additional surface spaces (including 6 accessible)
- Existing entry off Toledo Road is preserved so **traffic patterns are maintained**, while a main entrance at Adelphi creates a **clear sense of arrival**
- **Sustainable** site strategies will be used throughout, including:
 - Bioretention areas for stormwater management, featuring native plant massing
 - Pervious and high-albedo pavement systems
 - Re-use of existing materials (eg. crushed concrete for new pavement base)
 - Site-wide use of predominantly native plant palette
 - Low-maintenance landscape

- Site Precedent Images



- Site Precedent Images



- Site Precedent Images



• TRAIL SYSTEM

LEGEND



HYATTSVILLE LIBRARY



ON STREET BIKE LANES

HIKER/BIKER/EQUESTRIAN TRAILS

ANACOSTIA RIVER TRAIL

NORTHWEST BRANCH TRAIL

SLIGO CREEK TRAIL

PAINT BRANCH TRAIL

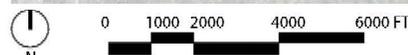
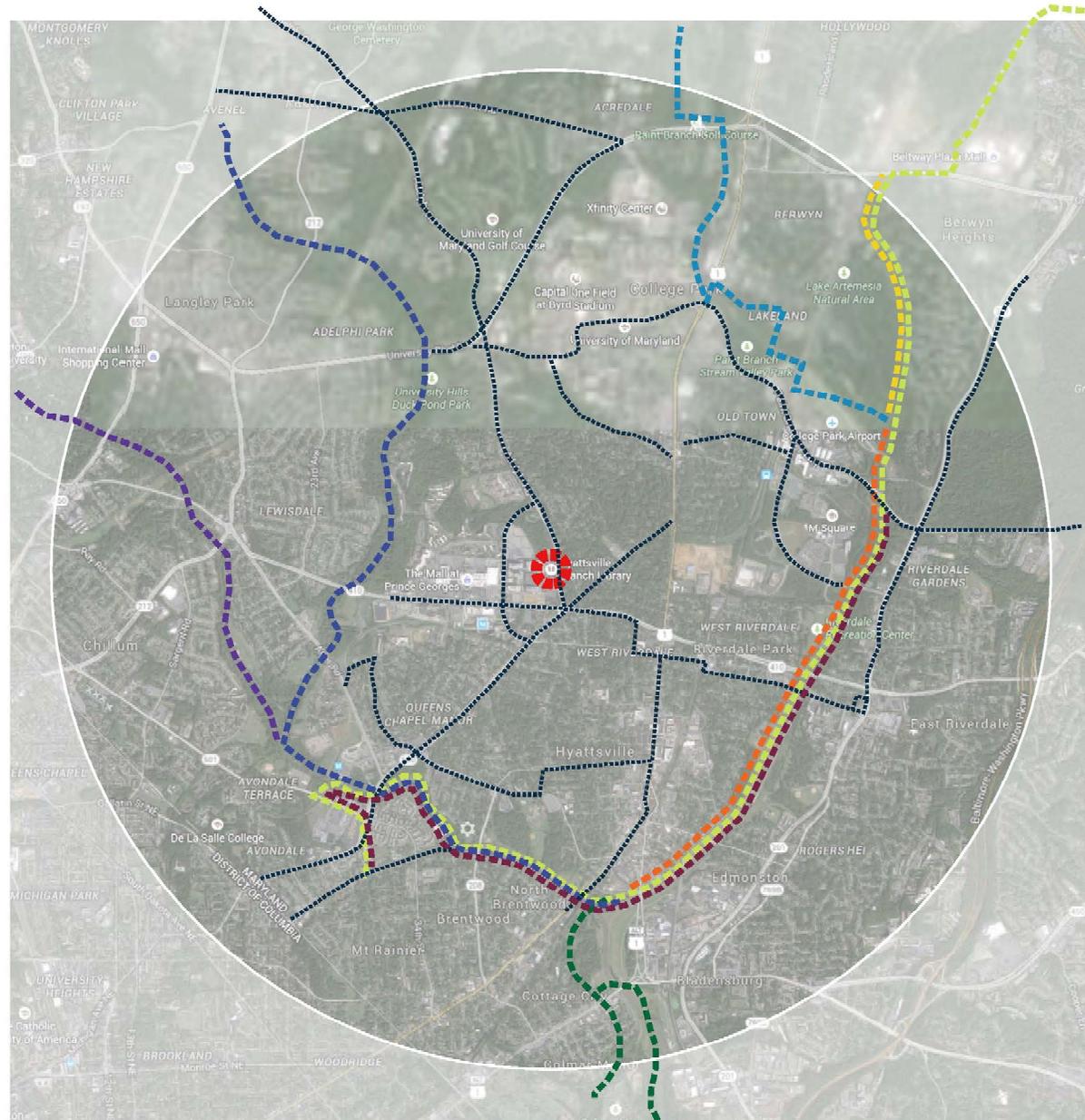
INDIAN CREEK TRAIL

NORTHEAST BRANCH TRAIL

NATIONAL TRAILS

EAST COAST GREENWAY

AMERICAN DISCOVERY TRAIL



Hyattsville Library – Welcoming + Inviting



End of Show