

# West Penn Hospital Institutional Master Plan

July 14, 2020



Allegheny Health Network



**West Penn**  
Hospital

# Master Plan Objectives



The following objectives have been identified for the Institutional Master Plan:

- Address the growing need to provide lower-cost health care services for patients with non-emergent or non-acute conditions.
- Decrease parking impact on neighborhood streets, to preserve parking for local residents.
- Modernize the mechanical and electrical utility equipment. Energy efficiency and noise reduction are primary goals.
- Create a more clearly defined, open, welcoming “front door” to the site.
- Meet modern standards in operational efficiency.

# Organizational Profile - Current



West Penn Hospital Currently Has Approximately:

350 Licensed Beds  
1,000 Physicians  
2,000 Staff Members

Patient Profile (on an annual basis):

13,300 Admissions  
73,000 Outpatient Visits  
23,000 Emergency Department Registrations  
12,000 Surgical Procedures

# Organizational Profile – Future Volumes & Needs



## Next 10-Year Period:

600 Licensed Inpatient Beds

5% Increase in Number of Physicians

12% Increase in Number of Staff Members

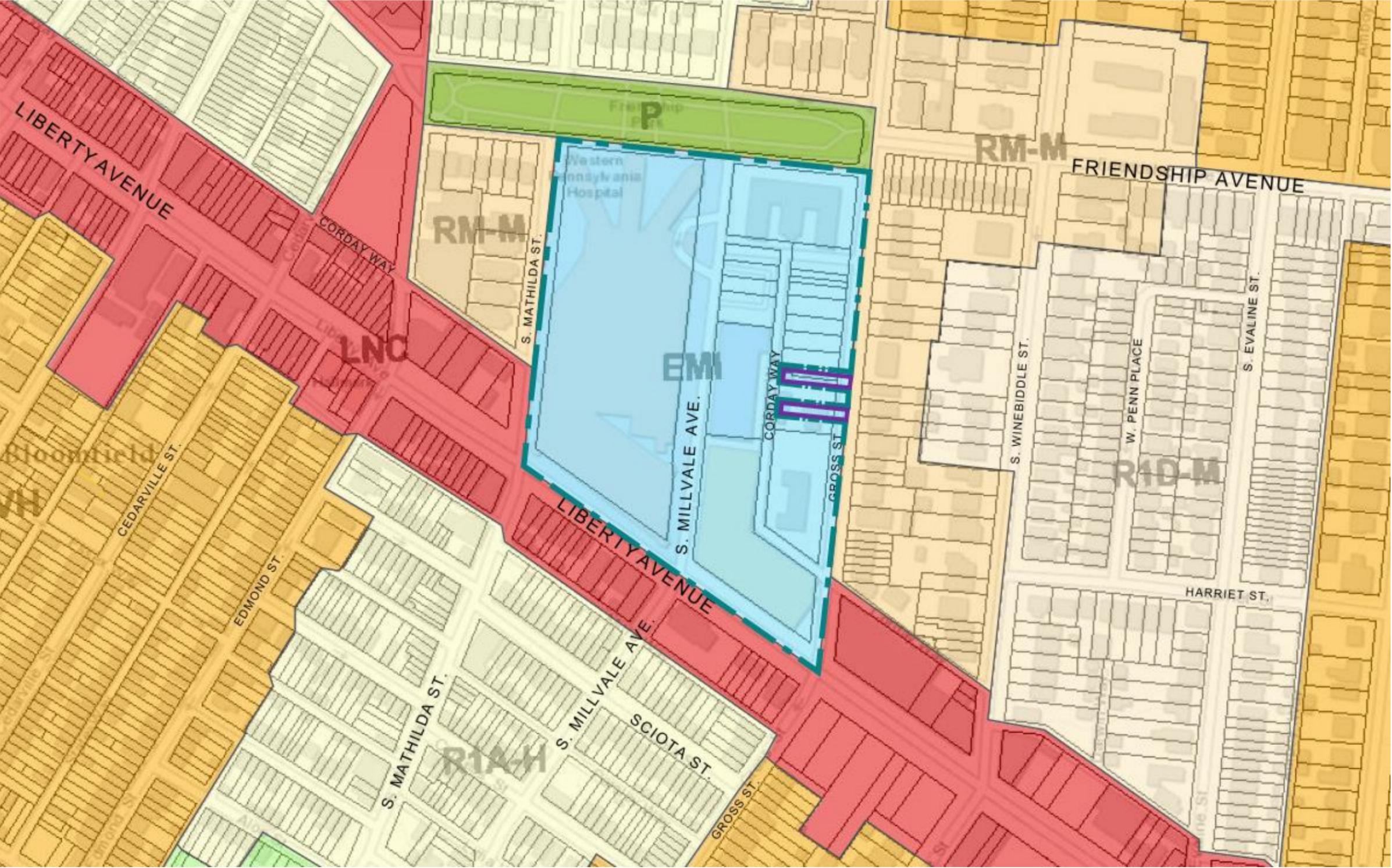
## Outpatient Growth:

Increase in same day procedures

Increased volume of primary services:

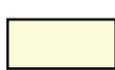
- Obstetrics & Gynecology
- Primary Care
- Oncology
- Neurosurgery
- Esophageal/Lung
- Auto-Immunity
- Diabetes.

# IMP Boundary



Source: Pittsburgh Zoning GIS

## Zoning Legend:

- |   |  |   |
|---|--|---|
|  Educational/Medical Institution |  Single-Family Residential |  Property Not Owned by WPH & Excluded from the IMP |
|  Local Neighborhood Commercial   |  Multi-Unit Residential    |  IMP Boundary Area                                 |
|   |  Park                      |   |



# Existing Property & Uses



1. West Penn Hospital - 4800 Friendship Avenue
2. Hospital Parking Structure - 4901 Liberty Avenue
3. Service Building - 341 S. Millvale Street
4. Employee Surface Parking Lot - 317-325 S. Millvale Street
5. School of Nursing - 4900 Friendship Avenue
6. Vacant Lots - 316-336 Gross Street
7. Vacant Lot - 342 Gross Street
8. Vacant Lot - 348 Gross Street
9. Vacant Lot & Employee Surface Lot - 366 Gross Street
10. Office/Commercial - 4816-4818 Liberty Avenue
11. Vacant Lot - 4920 Liberty Avenue
12. Surface Parking Lot - 5000 Liberty Avenue
13. Parking Structure - 5120 Liberty Avenue
14. Offices - 4747 Liberty Avenue
15. Clinic/Offices - 4727 Friendship Avenue
16. Clinic/Offices - 5124 Liberty Avenue
17. Clinic/Offices - 5140 Liberty Avenue
18. Clinic/Offices - 5145 Liberty Avenue
19. Vacant Research Building - 720 Gross Street

Legend:  
**BLUE** = WPH Owned Property  
**GREEN** = WPH Leased Property

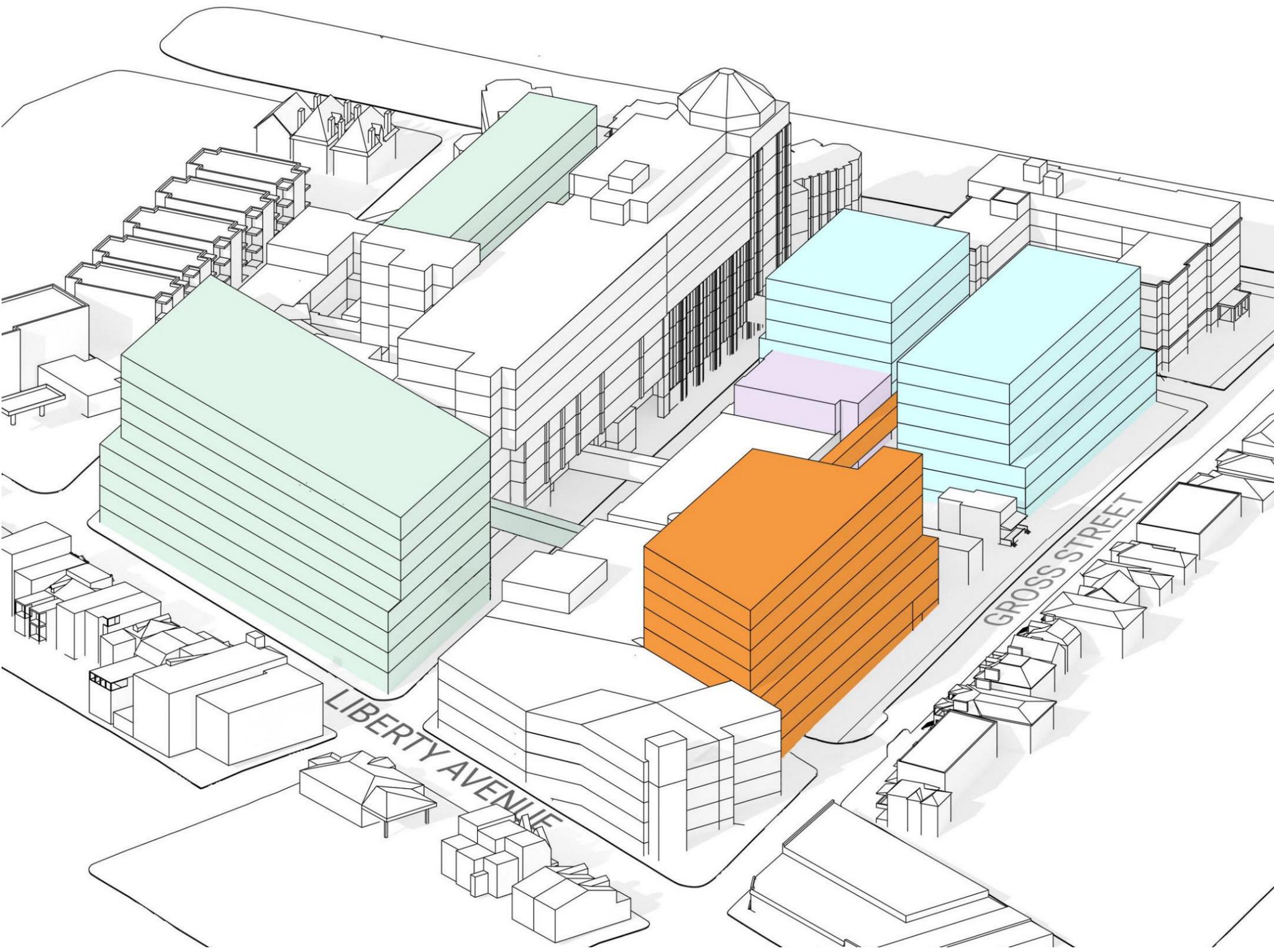
# Ten Year Proposed Development Envelope



## Legend:

-  Medical Office/Clinic
-  Expanded Utility Plant
-  Parking Structure
-  Hospital - Inpatient Care

# Ten Year Proposed Development Envelope



## Parking Structure

|                                 |   |
|---------------------------------|---|
| <b>Site Location</b>            | Gross Street, North of Liberty Avenue; vacate Corday Way to connect to existing garage  |
| <b>Use</b>                      | Parking Structure   |
| <b>Maximum GSF</b>              | 200,000 gross square feet   |
| <b>Max. # of Parking Spaces</b> | 700   |
| <b>Setbacks</b>                 | Gross Street: 35 feet<br>North sideyard: 15 feet<br>Corday Way: 0 Feet  |
| <b>Maximum Height</b>           | 120 feet  |
| <b>Stepback</b>                 | Gross Street @ 45 feet above street level; min. stepback is 10 feet<br>North sideyard @ 45 feet above street level, min. stepback is 5 feet |

## Legend:

- Medical Office/Clinic
- Expanded Utility Plant
- Parking Structure
- Hospital - Inpatient Care

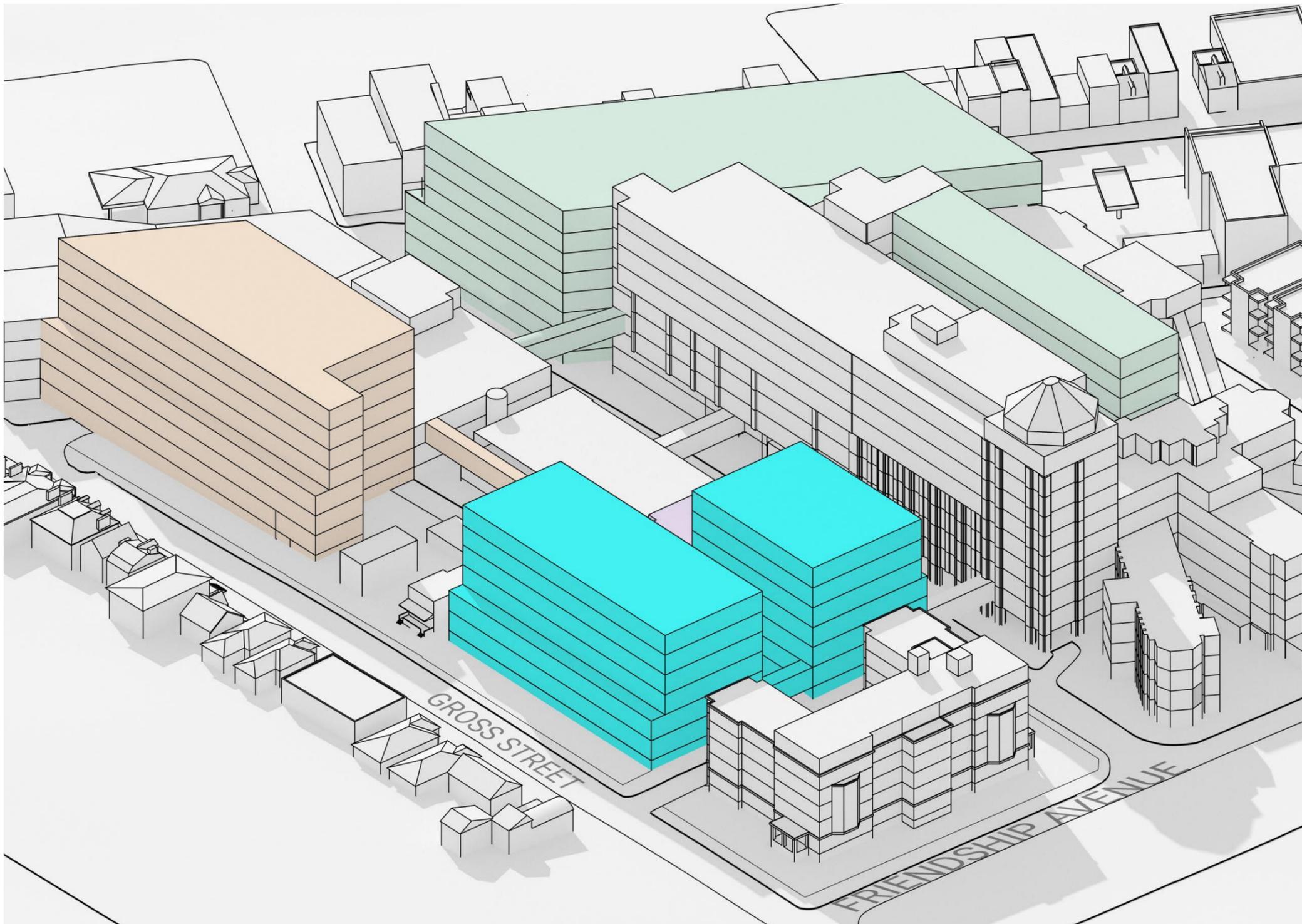
# Ten Year Proposed Development Envelope

## Medical Office / Clinic Outpatient Care

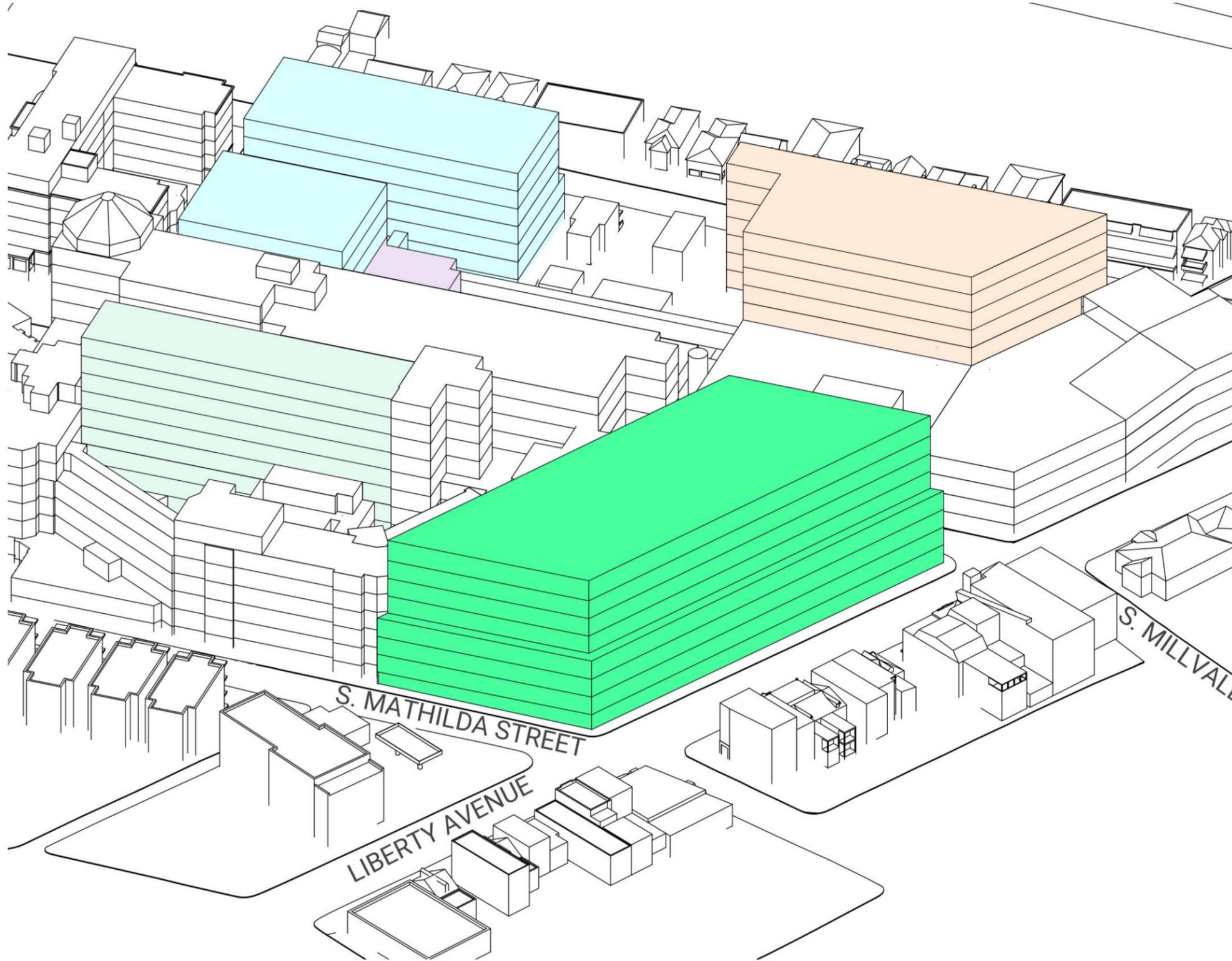
|                                 |   |
|---------------------------------|---|
| <b>Site Location</b>            | Mend Way; Gross Street to S. Millvale Avenue  |
| <b>Use</b>                      | Medical Office/Clinic   |
| <b>Maximum GSF</b>              | 350,000 gross square feet   |
| <b>Max. # of Parking Spaces</b> | 0   |
| <b>Setbacks</b>                 | Gross Street: 35 feet<br>South sideyard (running from Gross Street to Corday Way): 10 feet<br>Corday Way: 0 feet<br>Mend Way: 0 feet<br>Millvale Avenue: 0 feet   |
| <b>Maximum Height</b>           | 130 Feet  |
| <b>Stepback</b>                 | Gross Street @ 45 feet above street level; min. stepback is 12 feet<br><br>S. Millvale @ 60 feet above street level; min. stepback is 12 feet<br><br>South sideyard along Gross @ 45 feet above street level; min. stepback is 5 feet |

### Legend:

- Medical Office/Clinic
- Expanded Utility Plant
- Parking Structure
- Hospital - Inpatient Care



# Ten Year Proposed Development Envelope



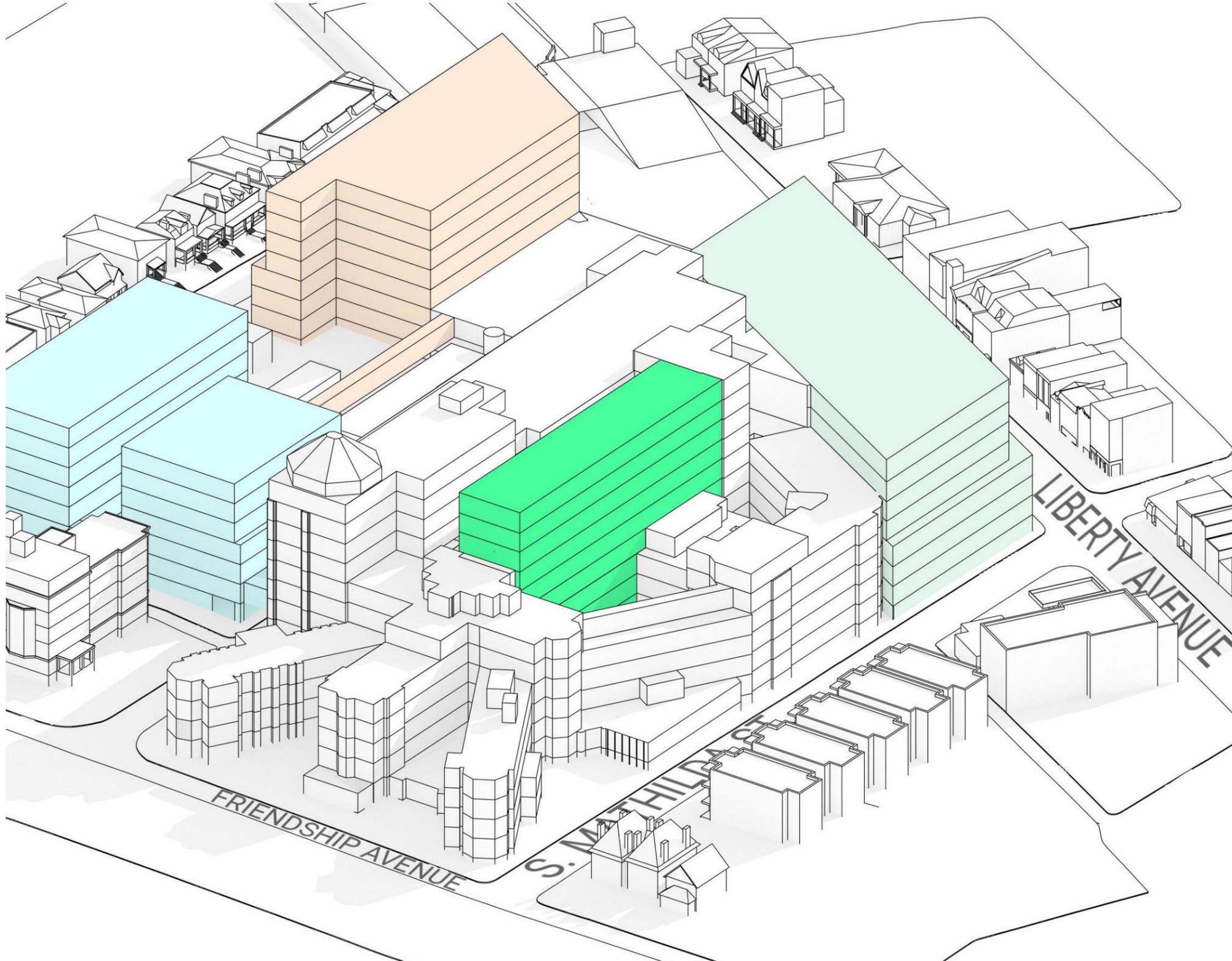
## Hospital Inpatient Care

|                                 |   |
|---------------------------------|---|
| <b>Site Location</b>            | Liberty Avenue between S. Mathilda Street and S. Millvale Avenue  |
| <b>Use</b>                      | Hospital  |
| <b>Maximum GSF</b>              | 450,000 gross square feet   |
| <b>Max. # of Parking Spaces</b> | 0   |
| <b>Setbacks</b>                 | Liberty Avenue: 0 feet<br>S. Mathilda Street: 0 feet<br>S. Millvale Street: 0 feet  |
| <b>Maximum Height</b>           | 160 feet  |
| <b>Stepback</b>                 | Liberty Avenue @ 65 feet above Street Level; min. stepback is 10 feet<br>S. Mathilda St. @ 65 feet above Street Level; min. stepback is 10 feet |

## Legend:

- Medical Office/Clinic
- Expanded Utility Plant
- Parking Structure
- Hospital - Inpatient Care

# Ten Year Proposed Development Envelope



## Hospital Infill Inpatient Care

|                                 |   |
|---------------------------------|---|
| <b>Site Location</b>            | Mid-block between S. Mathilda Street, Liberty Avenue, Friendship Avenue, S. Millvale Avenue |
| <b>Use</b>                      | Hospital  |
| <b>Maximum GSF</b>              | 100,000 gross square feet   |
| <b>Max. # of Parking Spaces</b> | 0   |
| <b>Setbacks</b>                 | Not Applicable  |
| <b>Maximum Height</b>           | Additional: 90 feet<br>Total: 160 feet  |
| <b>Stepback</b>                 | Not Applicable  |

### Legend:

- Medical Office/Clinic
- Expanded Utility Plant
- Parking Structure
- Hospital Infill - Inpatient Care

# Ten Year Proposed Development Envelope



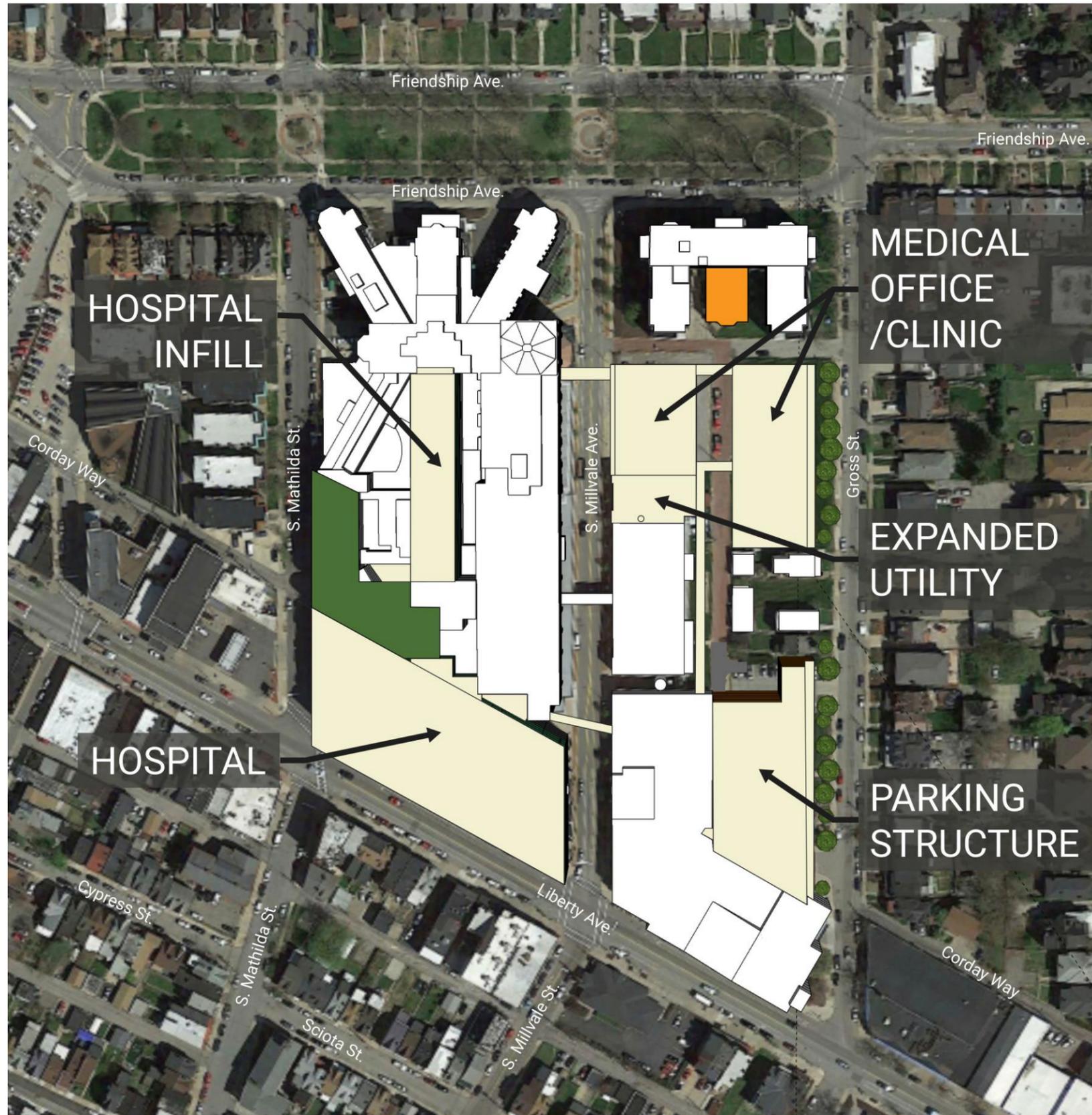
## Expanded Utility Plant

|                                 |  |
|---------------------------------|--|
| <b>Site Location</b>            | 2 story addition to the existing power plant on S. Millvale Avenue |
| <b>Use</b>                      | Utility  |
| <b>Maximum GSF</b>              | 6,000 gross square feet  |
| <b>Max. # of Parking Spaces</b> | 0  |
| <b>Setbacks</b>                 | Not Applicable   |
| <b>Maximum Height</b>           | Additional: 25 feet<br>Total: 55 feet                              |
| <b>Stepback</b>                 | None   |

## Legend:

- Medical Office/Clinic
- Expanded Utility Plant
- Parking Structure
- Hospital - Inpatient Care

# Twenty-Five Year Development Envelope



10 Year Plan



Inpatient Care

- 4 additional stories
- 9 total stories
- Approx. 60,000 GSF added
- Height of Addition – 130' max.



Education

- 4 additional stories
- 5 total stories
- Approx. 60,000 GSF added
- Approx. 165,000 GSF total
- Height of Addition – 75' max.

# Approvals Process

## Groups Engaged

- Bloomfield Business Network
- Bloomfield Citizens Council
- Bloomfield Development Corporation
- Bloomfield Garfield Corporation
- Bloomfield Livable Streets
- Bloomfield United
- The Center that Cares
- Friendship Community Group
- Garfield Jubilee Association
- Bloomfield's Neighborhood Planner
- Councilwoman Deb Gross

2018

JUNE

Bloomfield Development Corporation – Christine Howell  
Bloomfield Garfield Corporation – Rick Swartz  
Councilwoman Deb Gross

JULY

Bloomfield Citizens Council – Janet Scullion Cercone  
Garfield Jubilee Association, Inc. – Joann Monroe

AUGUST

Bloomfield Citizens Council – Group meeting at St. Maria Goretti  
The Center that Cares  
All Leaders Group Meeting

SEPT

OCT

WPH IMP Presentation to Community  
WPH IMP Presentation to Community

NOV

WPH Master Plan Community Open House

DEC

2019

JANUARY

Developing Draft Development Document

Submitted Draft Document to City Planning (DCP)

Received Initial Review Comments from DCP

SEPT

Department of City Planning Hosts Final Community Meeting

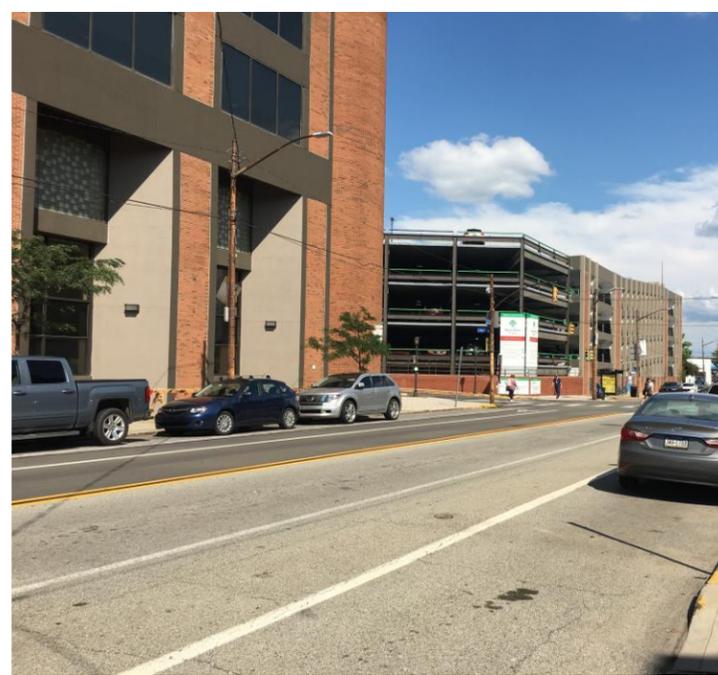
# Community Meeting Notes

## Development Concerns Raised During Meeting and Addressed in IMP

- Pedestrian safety along Liberty Avenue
- Street lighting for safety, but no light pollution
- Improved pedestrian circulation through the site
- Noise levels from the power plant
- Controlling traffic flow out of new garage along Gross Street
- Transportation demand management strategies
- Landscaping at street level, vegetation on roofs
- Decrease employees parking on streets
- Increased interaction of ground floor space along Liberty Avenue
- Consideration of the helipad relocation



# Urban Design Guidelines



## Goals for New Development

- Architecturally complement the character of the surrounding neighborhood.
- Advance sustainable design by building healthy, high performing buildings.
- Use high quality materials compatible with the style and color in the neighborhood. Consider the environmental impact of material selection.
- Engage the public realm at street level.
- Enhance the public realm by incorporating principles of Universal Design.
- Connect the public realm to historic elements of the hospital and surrounding neighborhood.

# Liberty Avenue Development



## Architectural Elements

Acceptable primary materials include:

- Brick
- Architectural concrete
- Glass
- Terra Cotta

Acceptable accent/secondary materials include:

- Metal: aluminum, copper, etc.
- Stone
- Wood
- Pre-cast concrete
- Ceramic tile
- Any primary material

Materials to avoid include:

- Oversized metal panels
- Fiber cement panels
- Synthetic STUCCO/EIFS
- Vinyl or aluminum siding
- Concrete block
- Mirrored or highly reflective glass

# Liberty Avenue Development



## Streetscape Character

- Street Trees in bio-retention planters
- Street level spaces programmed to allow for retail type development with community presence
- Contextually appropriate lighting that provides safe passage along the façade and across the intersections
- Architectural elements and massing that reflect the historic commercial scale of Liberty Avenue
- Architectural elements and massing that provide a human scale
- Incorporation of inviting amenities like benches, canopies, awnings creating places to pause

# Gross Street Development – Parking Garage



## Architectural Elements

Acceptable primary materials include:

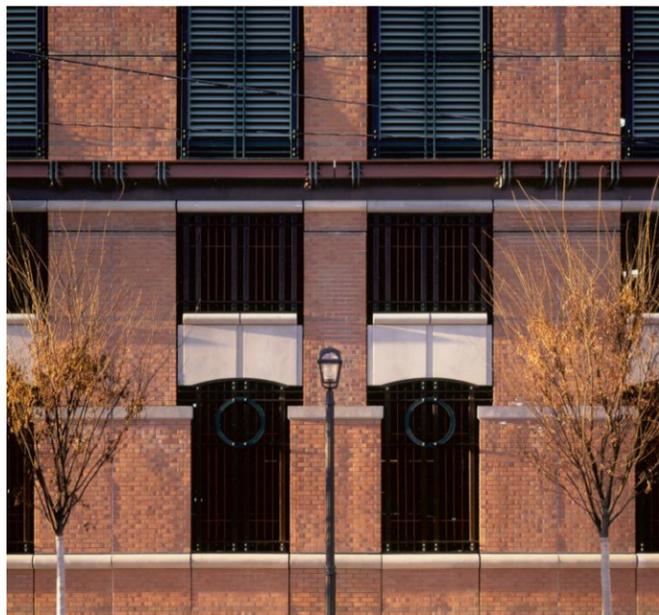
- Architectural concrete
- Brick

Acceptable accent/secondary materials include:

- Perforated metal panel
- Glass
- Stone
- Pre-cast concrete
- Wood
- Concrete masonry units
- Any primary building material

Materials to avoid include:

- Oversized metal panels
- Fiber cement panels
- Synthetic STUCCO/EIFS
- Vinyl or aluminum siding
- Mirrored or highly reflective glass



# Gross Street Development – Outpatient Care



## Architectural Elements

Acceptable primary materials include:

- Architectural concrete
- Brick

Acceptable accent/secondary materials include:

- Perforated metal panel
- Glass
- Stone
- Pre-cast concrete
- Wood
- Concrete masonry units
- Any primary building material

Materials to avoid include:

- Oversized metal panels
- Fiber cement panels
- Synthetic STUCCO/EIFS
- Vinyl or aluminum siding
- Mirrored or highly reflective glass

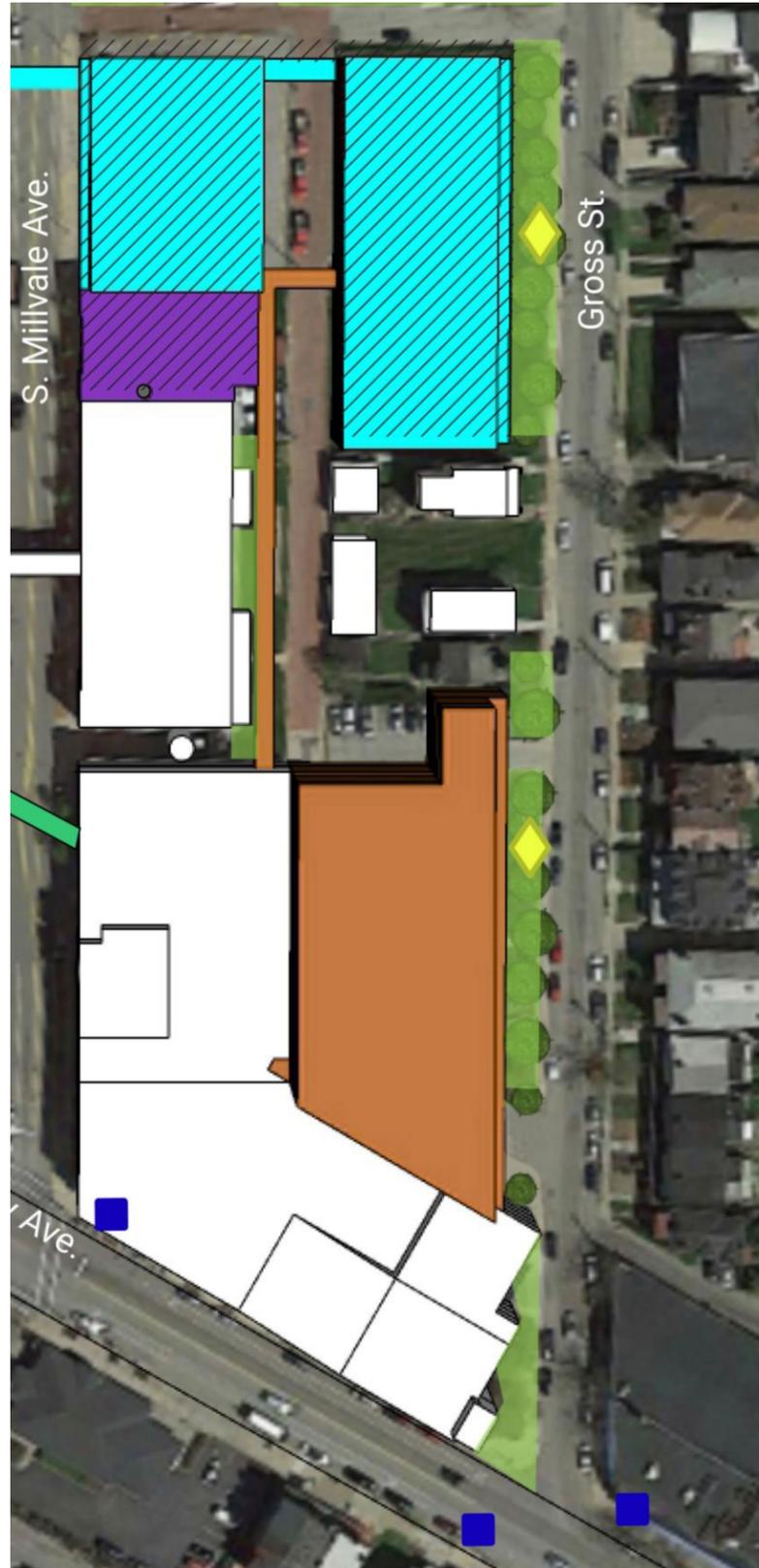


# Maximum Development Envelope

Individual building design will be submitted for review as part of the PDP approval process.

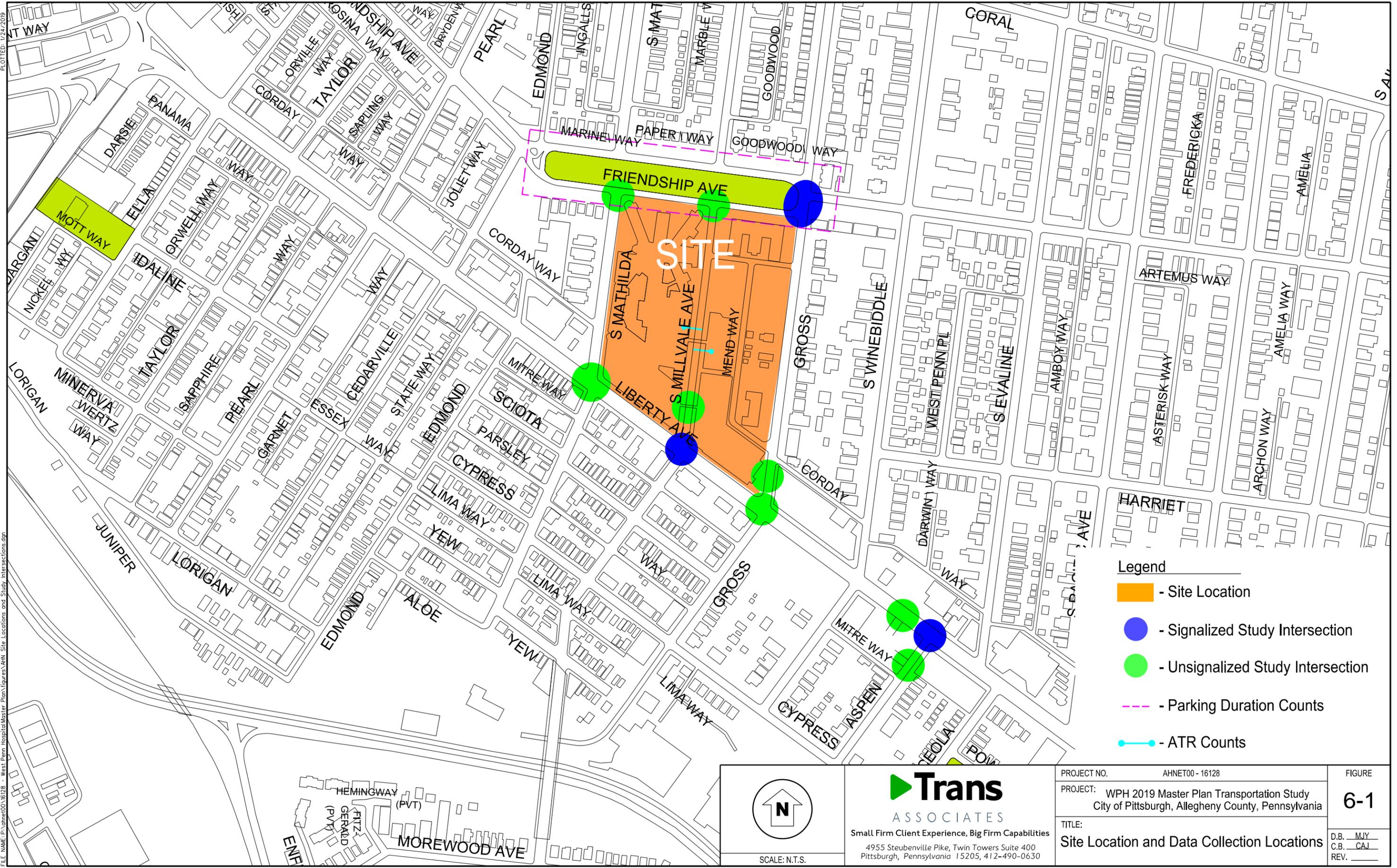


# Gross Street Development



## Streetscape Character

- Street Trees in bio-retention planters
- 35-foot buffer between sidewalk and building face for native/adaptive plant species
- Contextually appropriate lighting that provides safe passage but does not cause light pollution on residences across the street
- Screening of the garage to relate to residential building scale across street
- Gross St. garage access closed overnight to prevent car lights from intruding on neighbors
- Ensuring that the street level face of the outpatient building does not look like the rear of a building



- Legend**
- Site Location
  - Signalized Study Intersection
  - Unsignalized Study Intersection
  - Parking Duration Counts
  - ATR Counts

|                   |   |  |  |
|-------------------|---|--|--|
| <br>SCALE: N.T.S. | <br><b>Trans</b><br>ASSOCIATES<br><small>Small Firm Client Experience, Big Firm Capabilities<br/>         4955 Steubenville Pike, Twin Towers Suite 400<br/>         Pittsburgh, Pennsylvania 15205, 412-490-0630</small> | PROJECT NO. AHNET00 - 16128<br>PROJECT: WPH 2019 Master Plan Transportation Study<br>City of Pittsburgh, Allegheny County, Pennsylvania<br>TITLE: <b>Site Location and Data Collection Locations</b> | FIGURE<br><h1 style="margin: 0;">6-1</h1> D.B. MJY<br>C.B. CAJ<br>REV. |
|-------------------|---|--|--|



Legend:

-  - PAAC Bus Stop Location
-  - PAAC Bus Route 54
-  - PAAC Bus Route 64
-  - PAAC Bus Route 86
-  - PAAC Bus Route 87



SCALE: N.T.S.



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|             |   |
|-------------|---|
| PROJECT NO. | AHNET00 - 16128   |
| PROJECT:    | WPH 2019 Master Plan Transportation Study<br>City of Pittsburgh, Allegheny County, Pennsylvania |
| TITLE:      | Existing PAAC Bus Routes  |

FIGURE

6-2

D.B. AMK  
 C.B. CAJ  
 REV. \_\_\_\_\_



Legend:

-  - PAAC Bus Stop Location
-  - Pedestrian Walking Path



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PROJECT NO. AHNET00 - 16128  
 PROJECT: WPH 2019 Master Plan Transportation Study  
 City of Pittsburgh, Allegheny County, Pennsylvania

TITLE:  
**Pedestrian Walking Paths**

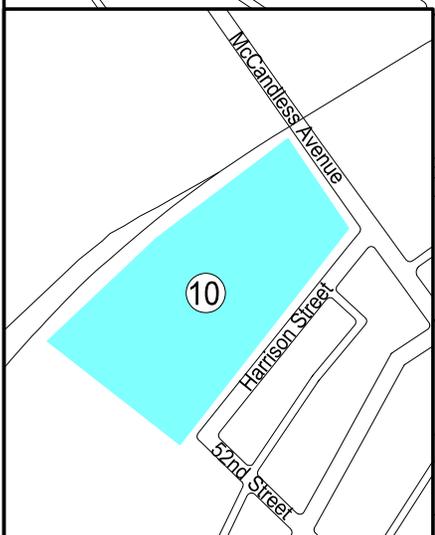
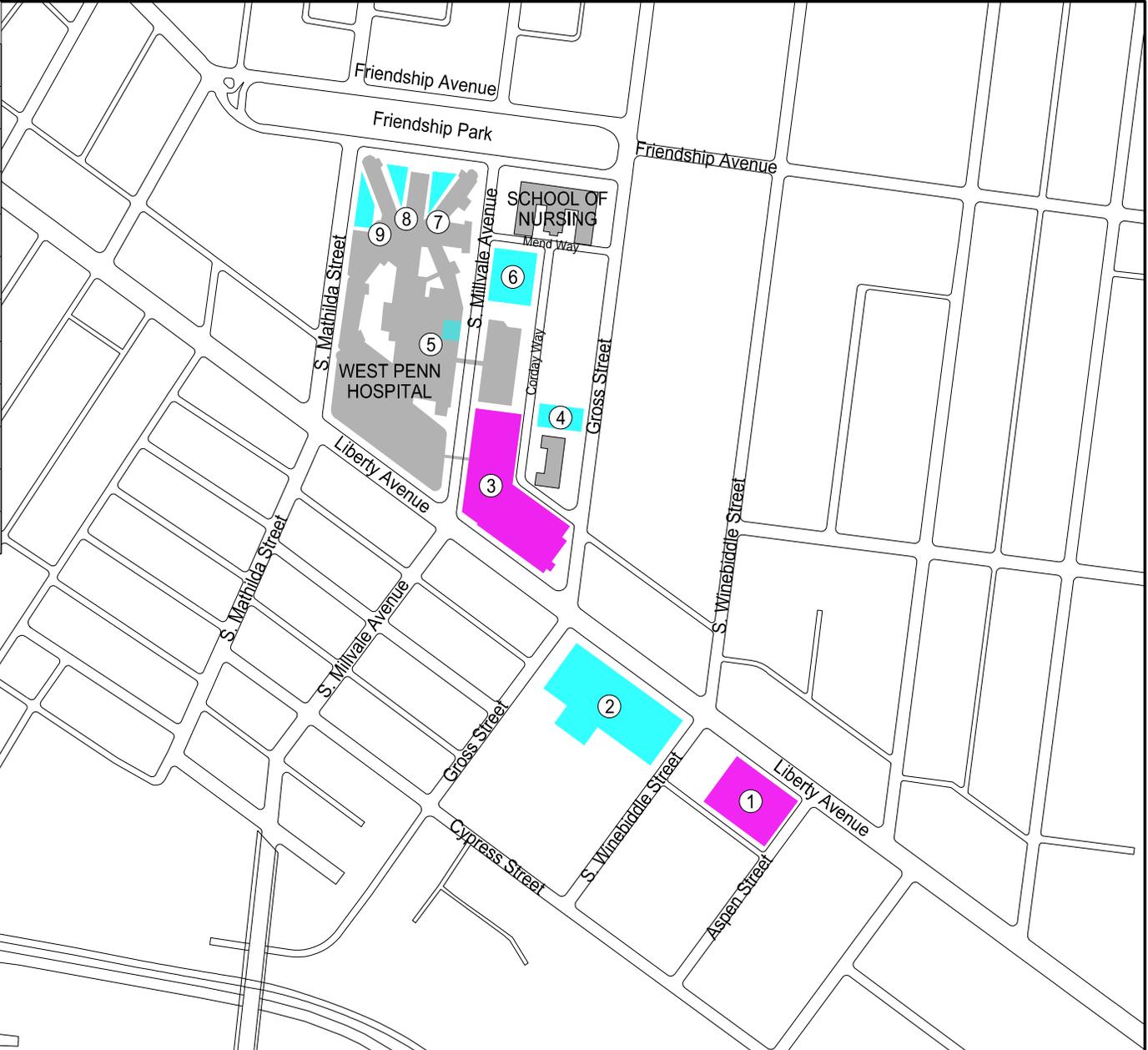
FIGURE

**6-3**

D.B. AMK  
 C.B. CAJ  
 REV. \_\_\_\_\_

PLOTTED: 1/24/2019

| West Penn Hospital Parking Facility     | Number of Parking Spaces |              |              |
|---|--------------------------|--------------|--------------|
|   | Patient/Visitor          | Employee     | TOTAL        |
| ① Liberty/Aspen Street Garage           | 0                        | 384          | 384          |
| ② McKean Lot                            | 0                        | 163          | 163          |
| ③ West Penn Millvale Garage             | 595                      | 182          | 777          |
| ④ Leaseholder Lot (Daly)                | 0                        | 24           | 24           |
| ⑤ Ambulance Entrance                    | 0                        | 3            | 3            |
| ⑥ S. Millvale Leaseholder Lot (Gravel)  | 0                        | 39           | 39           |
| ⑦ Ambulance Transfer Lot                | 0                        | 7            | 7            |
| ⑧ Short Term Physician Lot              | 0                        | 3            | 3            |
| ⑨ MRI/Radiation/Oncology Lot            | 0                        | 5            | 5            |
| ⑩ Lawrenceville Lot (Off-Site)          | 0                        | 444          | 444          |
| <b>TOTAL WEST PENN HOSPITAL PARKING</b> | <b>595</b>               | <b>1,254</b> | <b>1,849</b> |



SCALE: N.T.S.



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PROJECT NO. AHNET00 - 16128  
 PROJECT: WPH 2019 Master Plan Transportation Study  
 City of Pittsburgh, Allegheny County, Pennsylvania  
 TITLE:

**Existing Parking Inventory**

FIGURE

**6-4**

D.B. AMK  
 C.B. CAJ  
 REV. \_\_\_\_\_

FILE NAME: P:\ahnet00\16128 - West Penn Hospital Master Plan\Figures/Parking Inventory.dgn



# 10 Year Bicycle Circulation



## Bicycle Parking Locations

|  |                   |
|--|-------------------|
| Gross Street Garage<br>Covered & Secured           | 83 spaces         |
| Millvale Garage<br>Covered                         | 7 spaces          |
| Liberty Avenue Entrance<br>Exterior, Short-term    | 40 spaces         |
| Friendship Avenue Entrance<br>Exterior, Short-term | 10 spaces         |
| Millvale Entrance                                  | 10 spaces         |
| <b>Total Bike Park in EMI</b>                      | <b>150 spaces</b> |
| + Liberty Ave Healthy Ride Station                 | 6 docks           |

### Legend:

- Bicycle Circulation
- Bicycle Storage
- Healthy Ride Station
- Bus Stop

Allegheny Health Network



**West Penn  
Hospital**

**ikm**



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**Trans**  
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PROJECT NO. AHNET00 - 16128  
PROJECT: WPH 2019 Master Plan Transportation Study  
City of Pittsburgh, Allegheny County, Pennsylvania

TITLE: **Proposed Bicycle Facilities  
and Bicycle Paths**

FIGURE  
**6-6**

D.B. AMK  
C.B. CAJ  
REV. \_\_\_\_\_

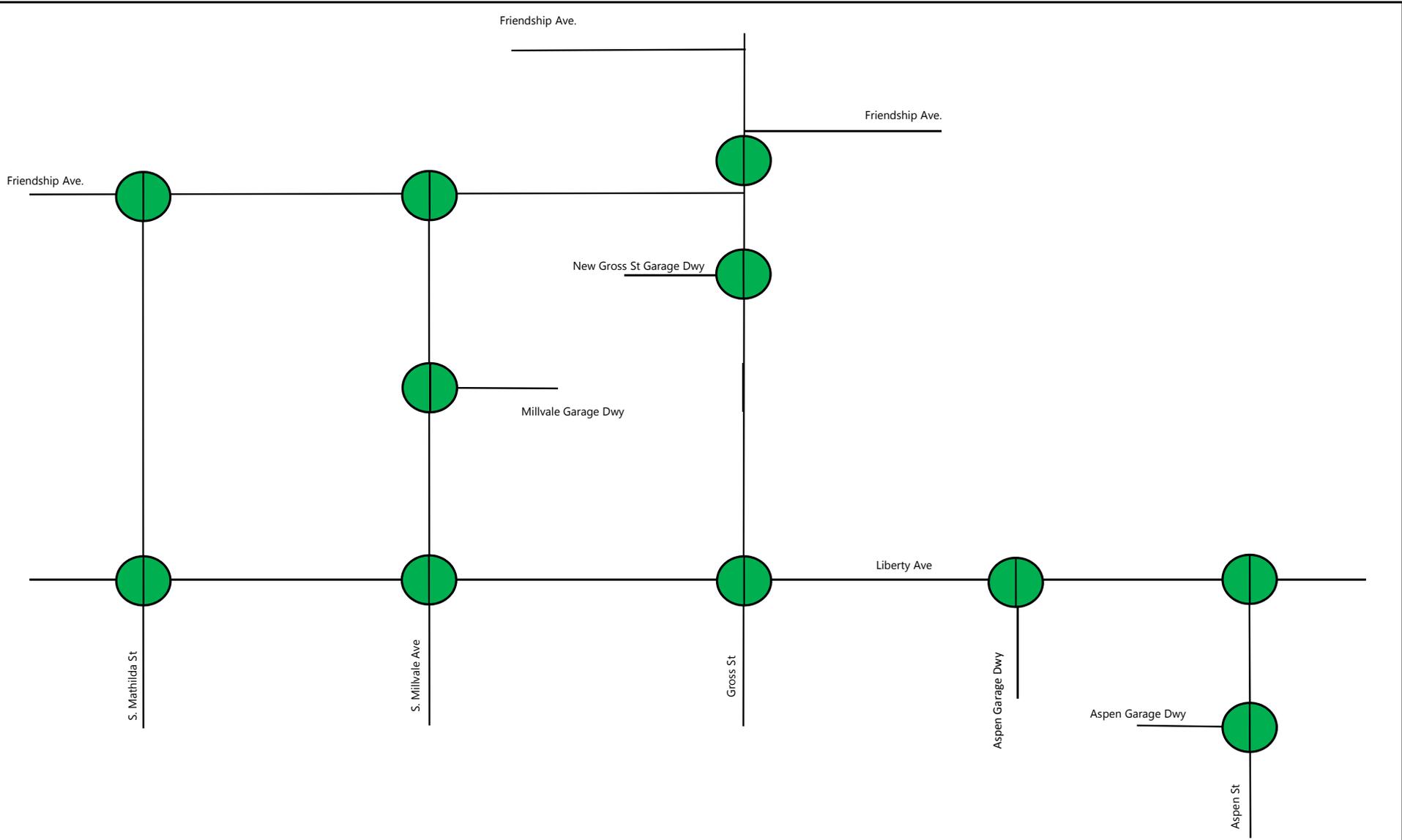
**Table 6-7  
EMPLOYEE TRAVEL SURVEY SUMMARY**

| <b>EMPLOYEE STATUS</b>               |                            |                                |
|--------------------------------------|----------------------------|--------------------------------|
| <b>Employee Status</b>               | <b>Number of Employees</b> | <b>Percentage of Employees</b> |
| Total Number of Employees Responding | 374                        | --                             |

| <b>TRANSPORTATION MODE</b>  |                            |                                |
|-----------------------------|----------------------------|--------------------------------|
| <b>Transportation Mode</b>  | <b>Number of Employees</b> | <b>Percentage of Employees</b> |
| Private Vehicle             | 323                        | 86.4%                          |
| Transit (bus or light rail) | 12                         | 3.2%                           |
| Walk                        | 25                         | 6.7%                           |
| Biked                       | 0                          | 0.0%                           |
| Other                       | 14                         | 3.7%                           |
| <b>Total</b>                | <b>374</b>                 | <b>100.0%</b>                  |

| <b>PRIVATE VEHICLE AUTO OCCUPANCY</b>              |                            |                                |
|--|----------------------------|--------------------------------|
| <b>Adult Passengers in Cars (Including Driver)</b> | <b>Number of Employees</b> | <b>Percentage of Employees</b> |
| 1 person   | 312                        | 92.6%                          |
| 2 people   | 22                         | 6.5%                           |
| 3 people   | 3                          | 0.9%                           |
| <b>Total</b>                                       | <b>337</b>                 | <b>100.0%</b>                  |

Average Auto Occupancy = 1.1 persons per vehicle

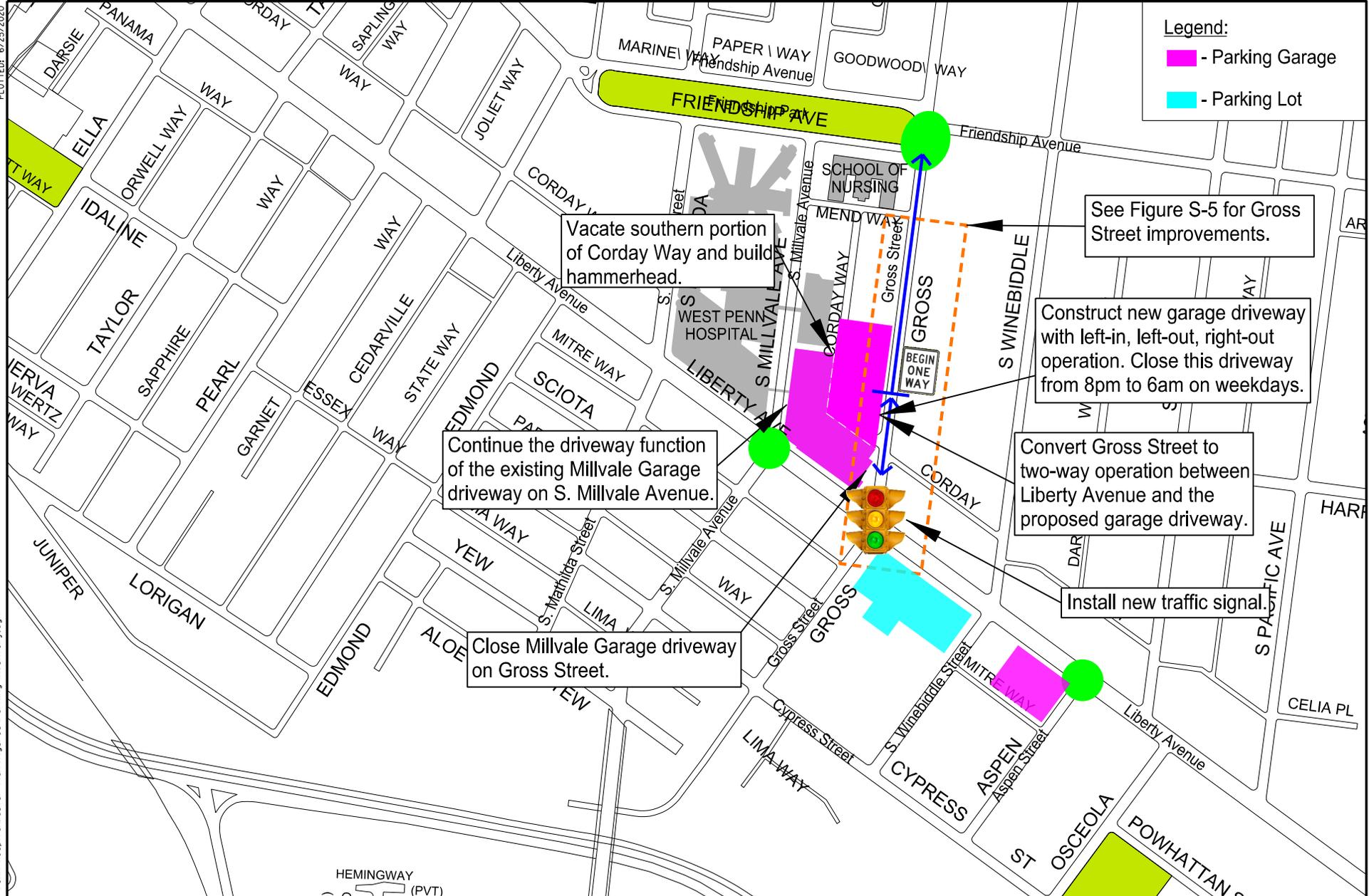


- Legend**
- - Overall Intersection LOS A, B, C, or D
  - - Overall Intersection LOS E
  - - Overall Intersection LOS F
  - ⊕ - AM Peak Hour | PM Peak Hour

|   |  |  |   |
|---|--|--|---|
| <br>SCALE: N.T.S. | <br><b>Trans</b><br>ASSOCIATES<br><small>Small Firm Client Experience, Big Firm Capabilities</small><br><small>Twin Towers Suite 400 / 4955 Sprouberville Pike<br/>         Pittsburgh, Pennsylvania 15205 / (412) 495-0630</small> | PROJECT NO. AHNET00 - 16128  | FIGURE<br><span style="font-size: 2em; font-weight: bold;">6-8</span> |
|   |  | PROJECT: WPH 2019 Master Plan Transportation Study<br>City of Pittsburgh, Allegheny County, PA |   |
| TITLE: 2029 Build<br>Peak Hour Levels of Service  |  | D.B. AMK<br>C.B.<br>REV.   |   |

PLOTTED: 6/25/2020

FILE NAME: P:\ahnet00\16128 - West Penn Hospital Master Plan Figures Parking Inventory.dgn



Legend:

 - Optimize Signal Timings



SCALE: N.T.S.



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PROJECT NO. AHNET00 - 16128

PROJECT: WPH 2019 Master Plan Transportation Study  
City of Pittsburgh, Allegheny County, Pennsylvania

TITLE: Recommended Improvements

FIGURE

6-9

D.B. AMK  
C.B. CAJ  
REV. \_\_\_\_\_




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PROJECT NO. AHNET00 - 16128

PROJECT: WPH 2019 Master Plan Transportation Study  
City of Pittsburgh, Allegheny County, Pennsylvania

TITLE: **Gross Street Improvements**

FIGURE **6-10**

D.B. AMK  
C.B. CAJ  
REV. \_\_\_\_\_

PLOTTED: 5/17/2020

FILE NAME: P:\ahnet00\16128 - West Penn Hospital Master Plan Figures Parking Inventory.dgn




SCALE: N.T.S.



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PROJECT NO. AHNET00 - 16128

PROJECT: WPH 2019 Master Plan Transportation Study  
City of Pittsburgh, Allegheny County, Pennsylvania

TITLE: Recommended Pedestrian Improvements

FIGURE

**6-11**

D.B. AMK 2020-04-29  
C.B. CAJ  
REV. \_\_\_\_\_



**LEGEND**

-  = PROPOSED CONCRETE CURB
-  = PROPOSED CONCRETE SIDEWALK
-  = PROPOSED CONCRETE ADA RAMP



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PROJECT NO. AHNET00 - 16128

PROJECT: WPH 2019 Master Plan Transportation Study  
City of Pittsburgh, Allegheny County, Pennsylvania

TITLE: Liberty Avenue  
Recommended Pedestrian Improvements

FIGURE

6-12

D.B. JLM 2020-04-29  
C.B. CAJ  
REV. \_\_\_\_\_

**Table 6-13**  
**Summary of the Transportation Demand Management (TDM) Plan**

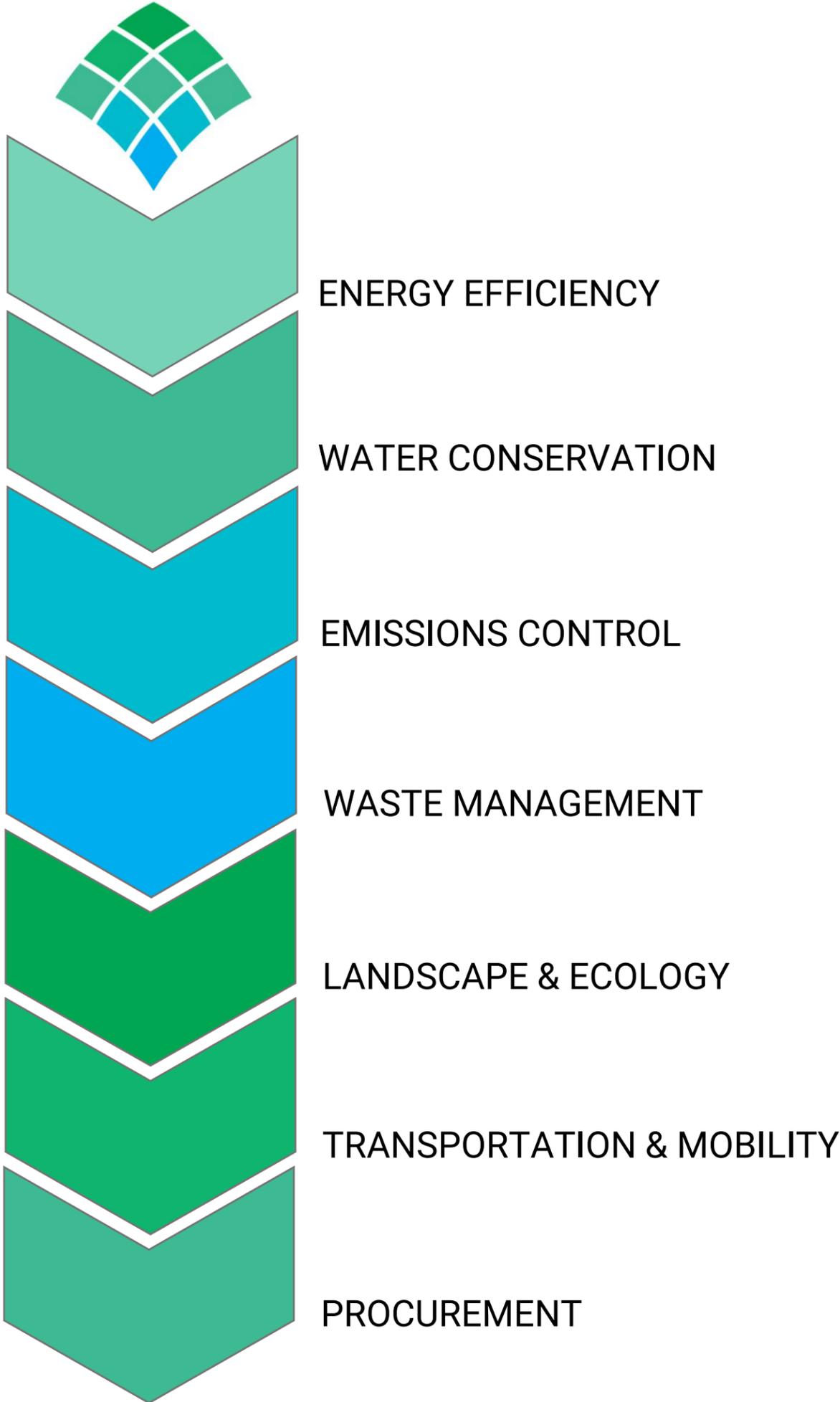
**Potential TDM Initiatives for WPH Staff**

- Appoint a TDM Coordinator
- Reduce the percentage of employees that drive alone from 86.4% to 65-70%
- Engaging with the Port Authority of Allegheny County (PAAC) to explore programs
- 'Guaranteed Ride Home' program
- Increased use of Healthy Ride bike sharing program
- Promotion of bicycle storage and shower facilities
- Promote Zipcar usage
- Priority carpool/vanpool parking and use SPC Commuter Connects program
- Flexible work hours/telecommute program
- Alternatives to staff usage of private automobiles for transportation between AHN campuses (Uber/Lyft, ridesharing, Zoom meetings)

**TDM Strategies for Patients, Visitors and General Public**

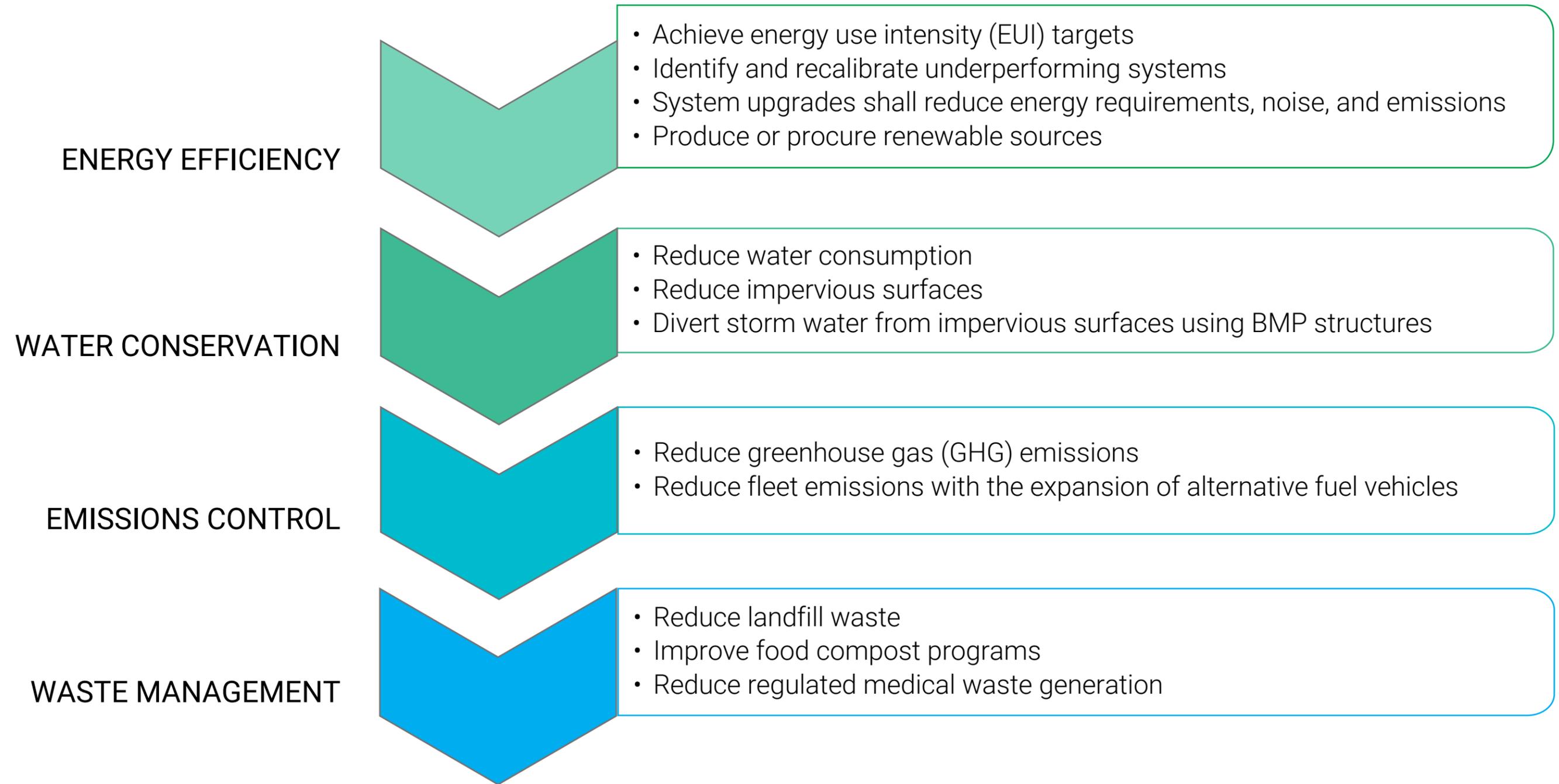
- Bicycle storage facilities
- Establish easily accessible Uber/Lyft pick-up/drop-off locations
- Include information on public transit, bicycling, pedestrian paths, and car share stations on the WPH website, and provide this information and links to WPH physician offices for use by their patients.
- Deployment of real-time transit and rideshare information screens in the main lobby of WPH to allow both patients/visitors and employees to see their options before they leave the facility.

# Environment & Sustainability Goals



# Environment & Sustainability Goals

## Objectives

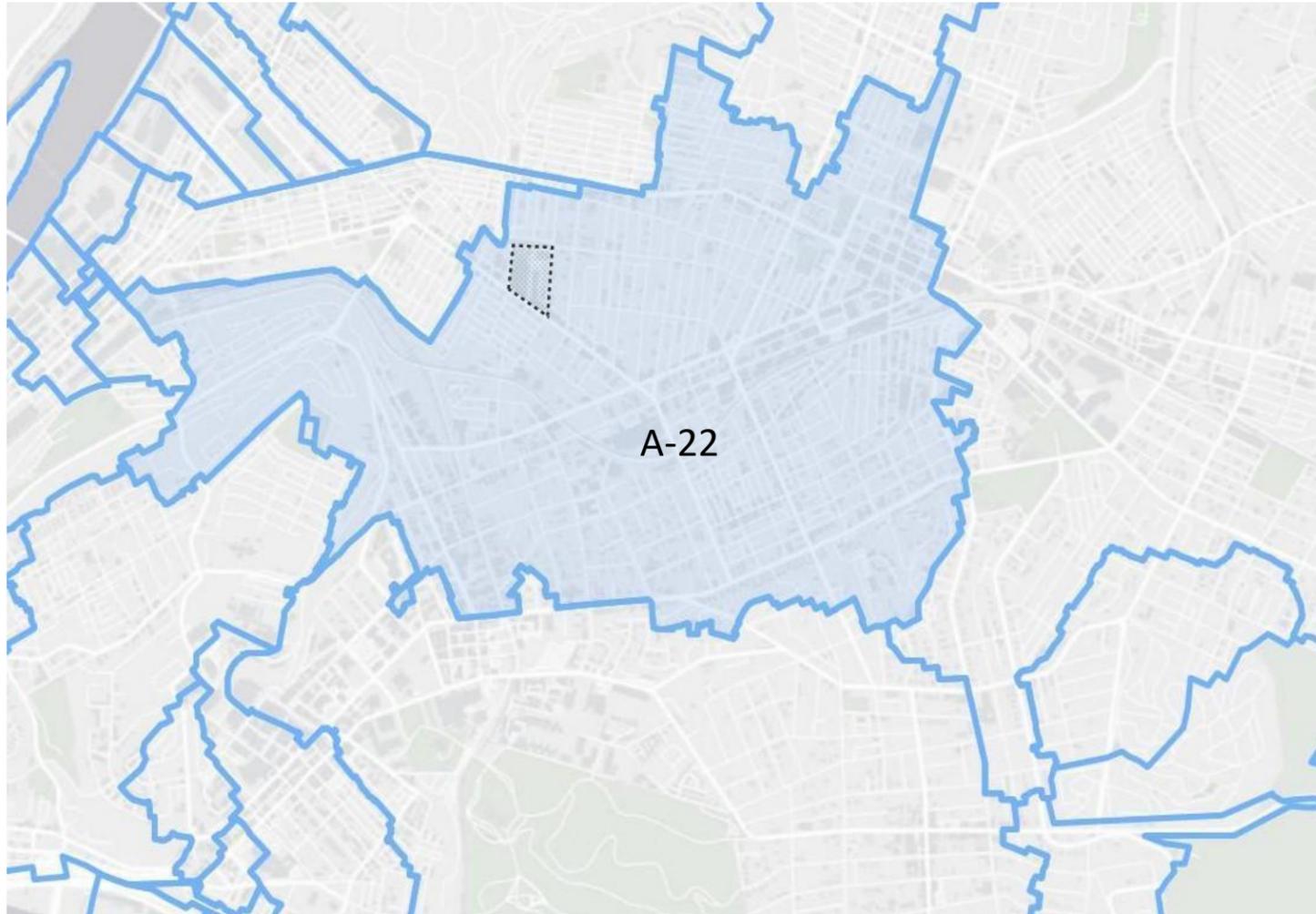


# Environment & Sustainability Goals

## Objectives



# Environmental & Sustainability Goals



## Best Management Practices (BMP) of Stormwater Management

### **Vegetated Roofs on New Development**

The new outpatient clinic, as part of the ten-year plan, is a candidate for this BMP structure.

### **Porous Pavement/Pavers for detention and filtration**

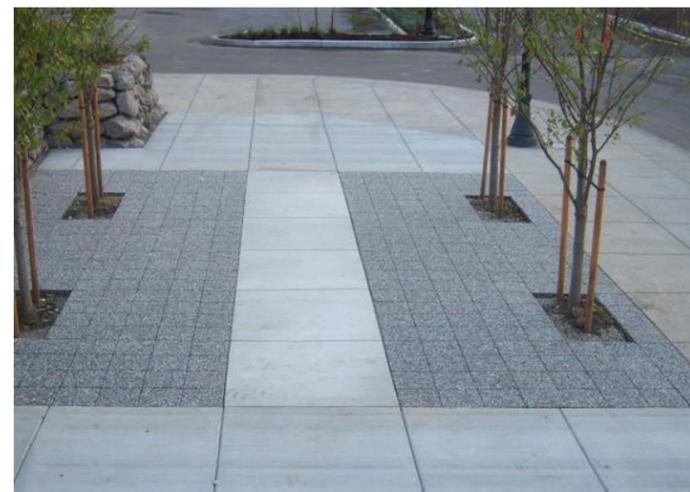
The proposed sidewalk along Mend Way is a candidate for this BMP structure. Future improvements to existing sidewalks may also benefit from this practice.

### **Planters/Tree Pits**

Future building entries and the proposed sidewalk are candidates for this BMP structure. Future improvements to existing sidewalks may also benefit from this practice.

### **Rain Gardens**

Proposed landscaped setbacks along Gross Street are candidates for this BMP structure.



# Urban Stewardship



- **Neighborhood Friendly**
- **Green Spaces**
  - In Public Realm
  - On Rooftops
- **Improved Acoustics**
  - Updated equipment
  - Buffering Sound
- **Enhanced Lighting**
  - At Sidewalk
  - On buildings
  - Reducing glare
- **Accessibility**
  - Universal Site Design
  - Continuous Path through Campus

# Urban Stewardship



- **High-Performance Water Control**
  - On-site Stormwater Capture
  - Reduced Water Consumption
- **Alternative Transportation Approaches**
  - Transportation Demand Management Plan
  - Employee Incentives
  - Alternative modes, i.e. Healthy Ride
- **Electric Vehicle (EV) Charging**
  - Multiple Charging Stations in Garage
  - Considering Future EV Expansion
- **Bicycle Parking**
  - Secured and public
- **Vehicle Parking**
  - Sufficient Quantity
  - Adaptive Construction

# Thank You



Allegheny Health Network

**West Penn**  
Hospital

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