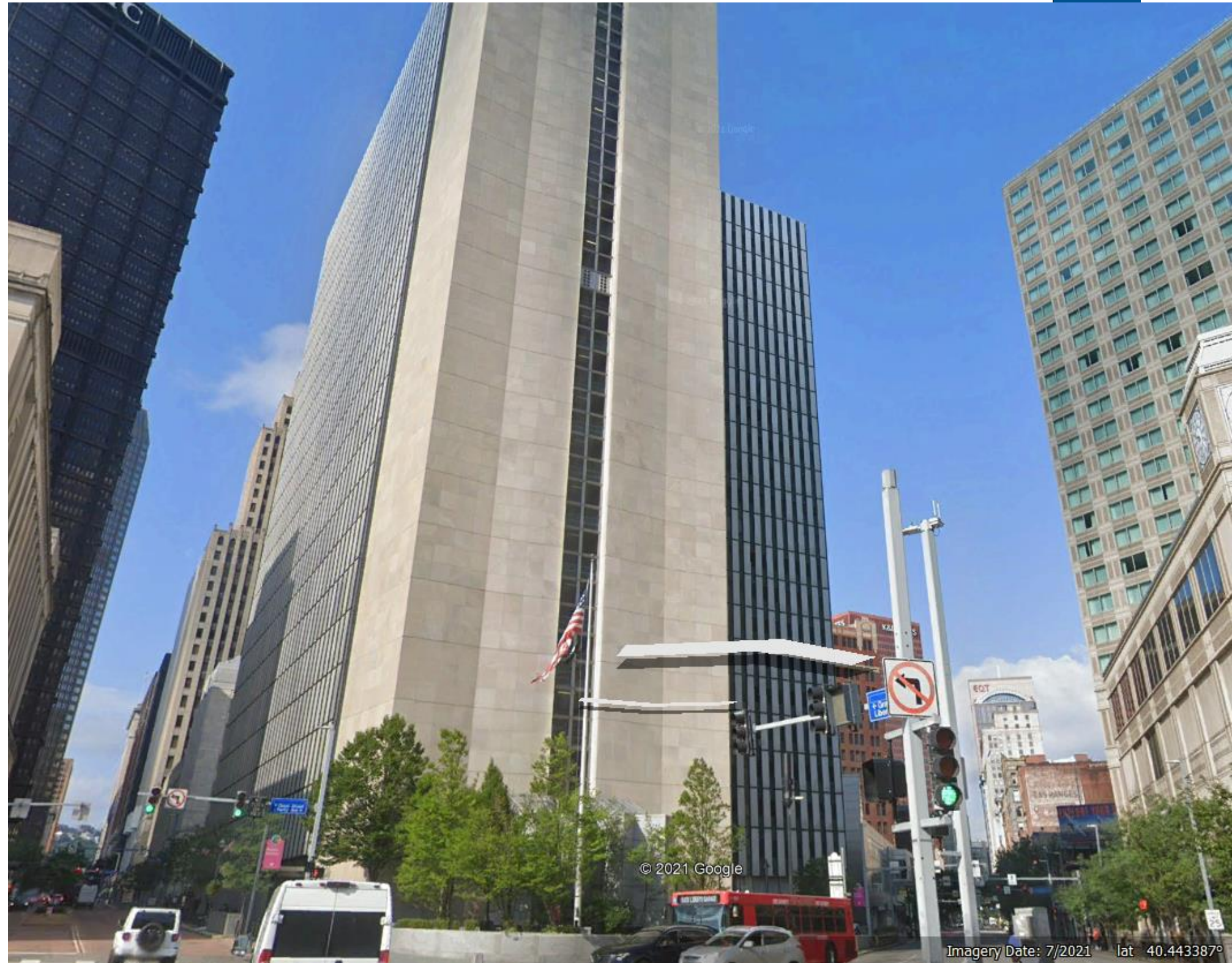


William S. Moorhead Federal Building

General Services Administration

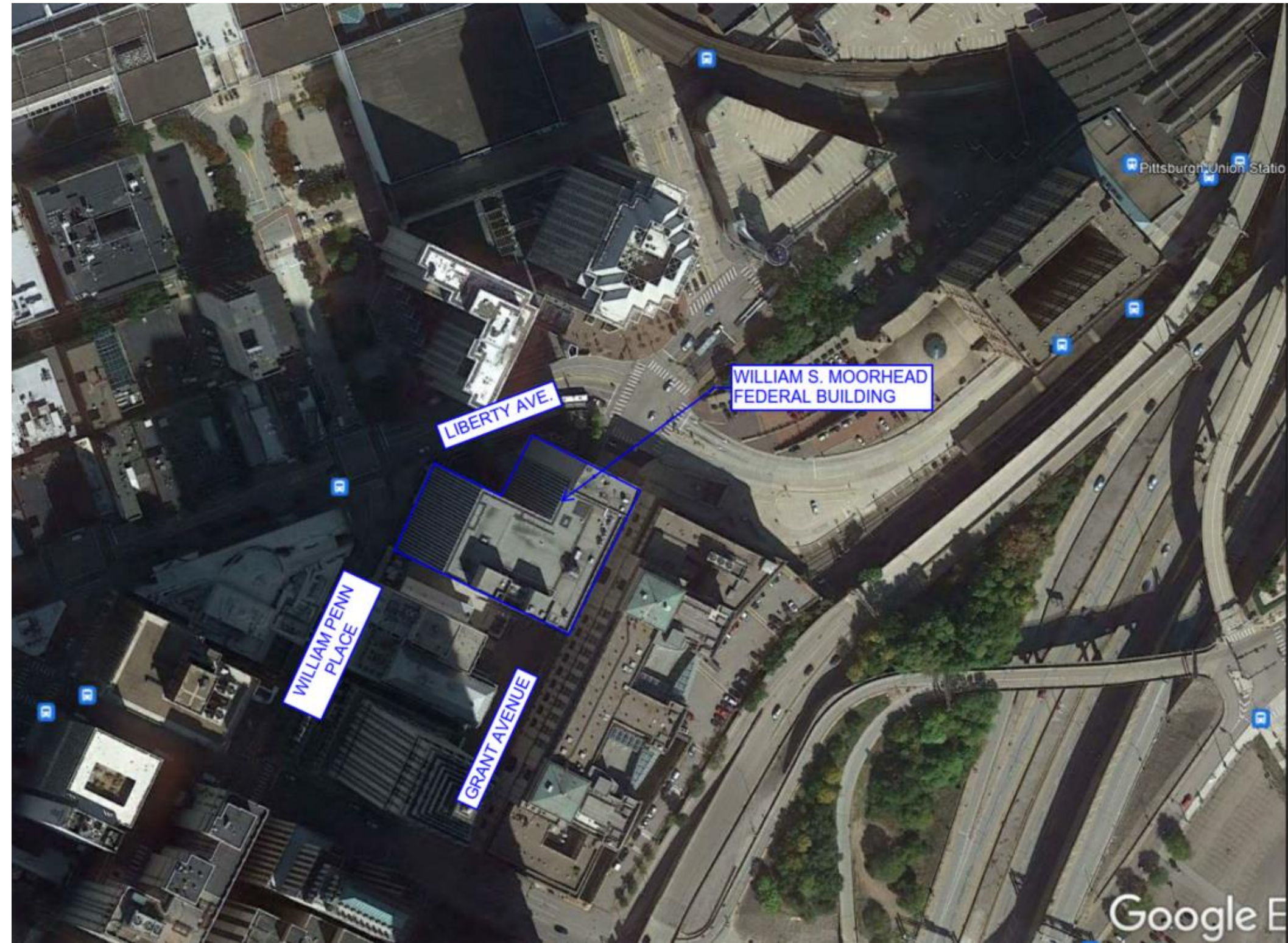
Security Improvements

1000 Liberty Avenue



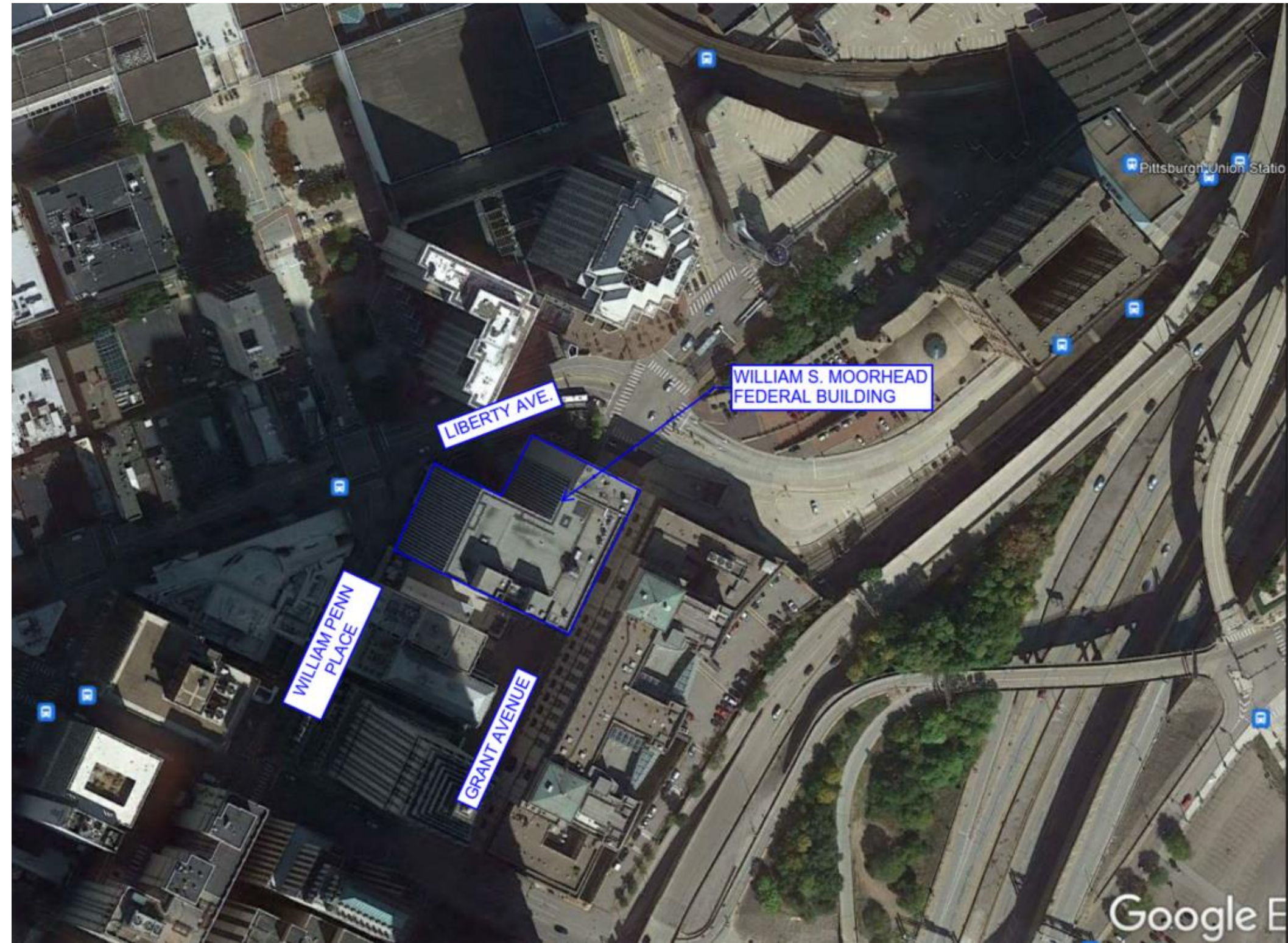
Agenda

- 1) Why Security Improvements are Necessary
- 2) Description of Existing Security Features and Site Conditions
- 3) Proposed Solutions to Deficient Conditions



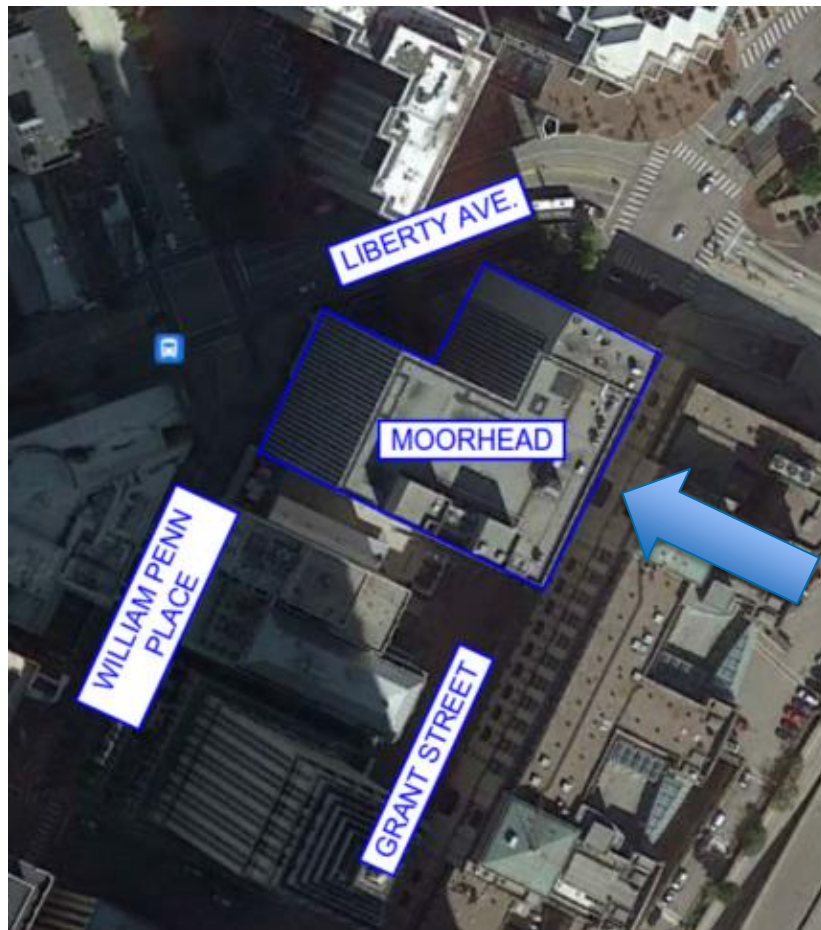
Why Security Improvements are Necessary

- Meet Federal Requirements
- Federal Interagency Security Committee (ISC) Standards perimeter barriers for all federal facilities
- Department of Homeland Security applies the Standards
- Improvements approved by the Moorhead Facility Security Committee
- Improvements approved by SHPO



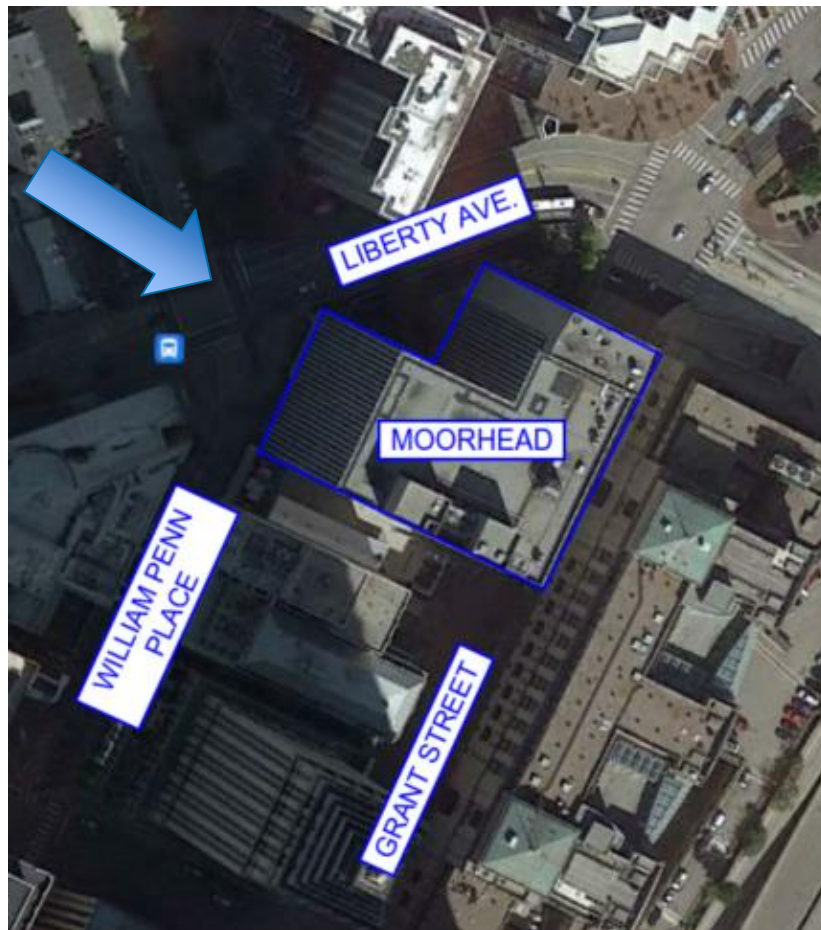
Existing Features Grant Street

- Black Bollards with Architectural Shroud are crash rated
- Missing bollards southern corner on Grant Street
- Sidewalk Includes Rustic Terrazzo Topping



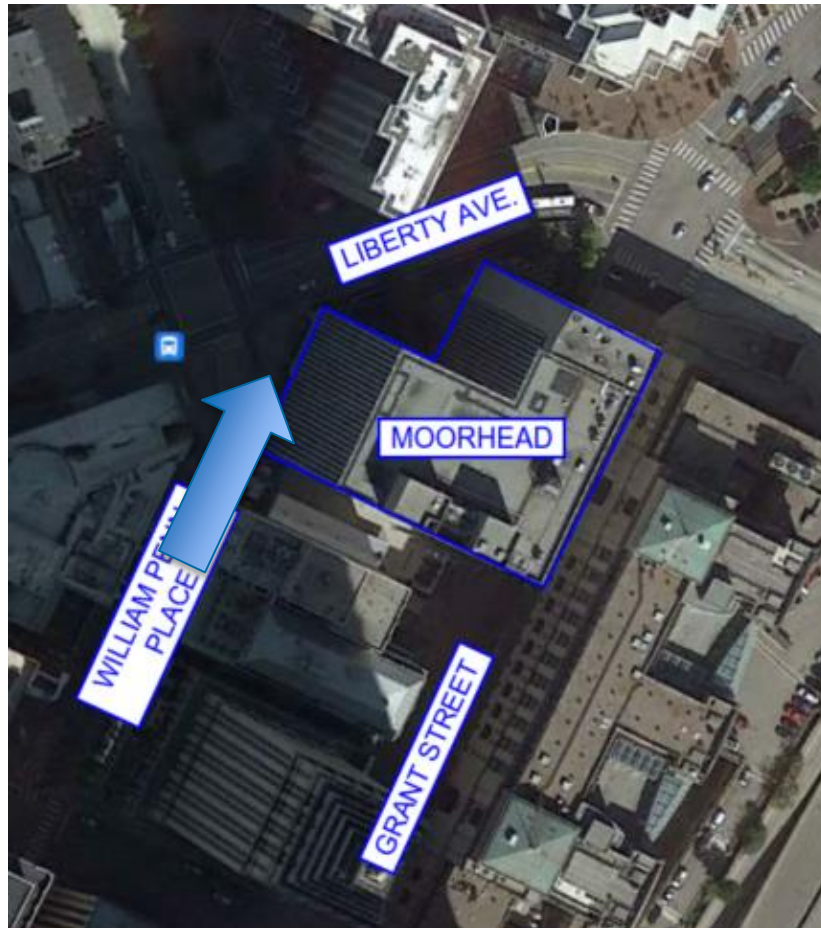
Existing Features Liberty Ave

- Planters and bollards are not crash rated
- Sidewalk includes exposed aggregate and brick



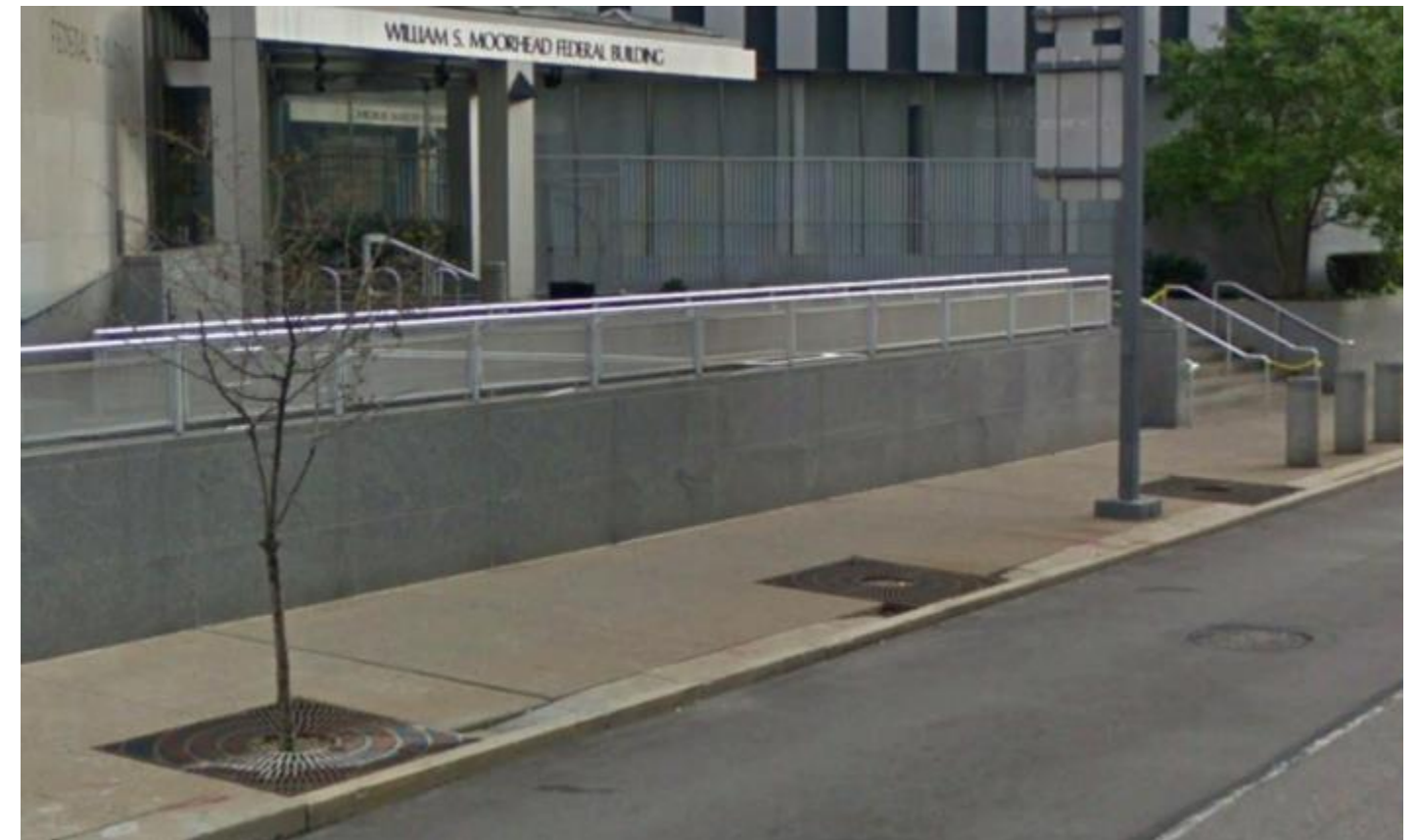
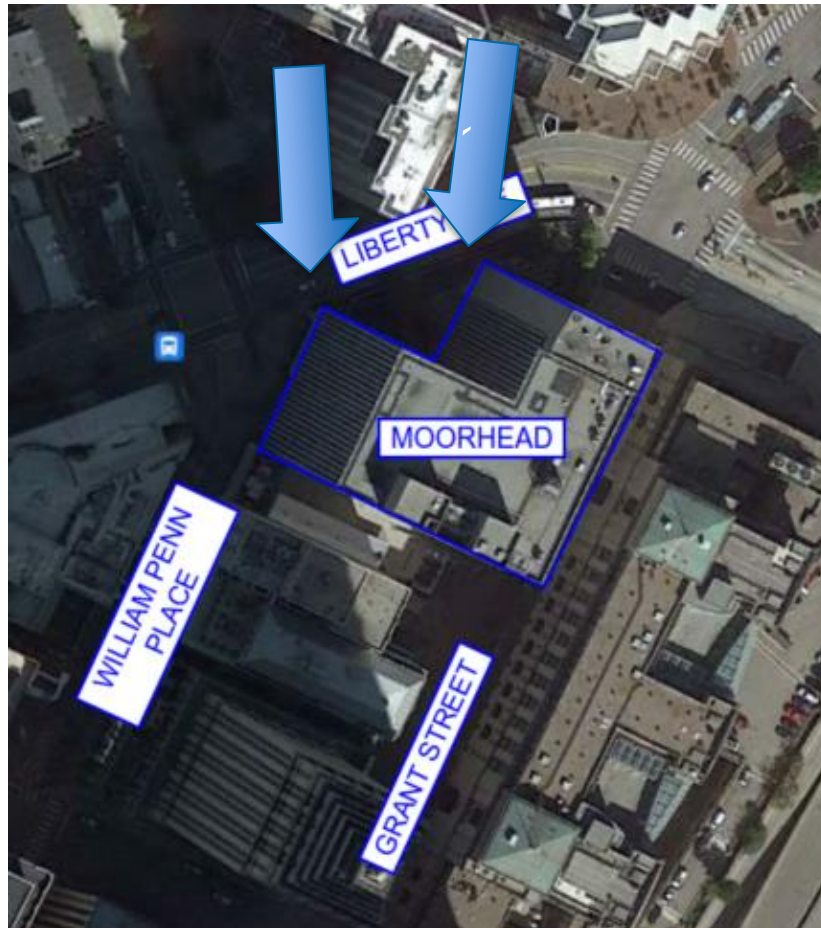
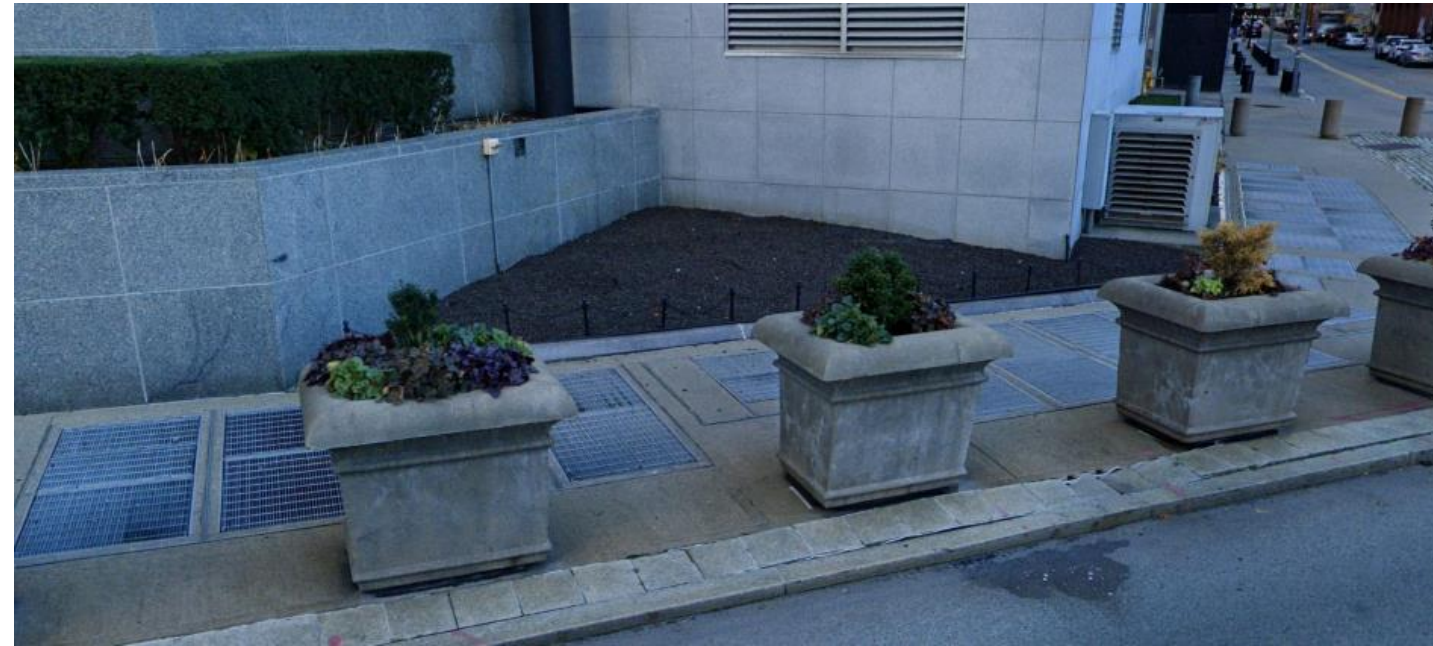
Existing Features William Penn Place

- Barriers are not Crash Rated
- No Maintenance Access



Site Constraints Liberty Ave

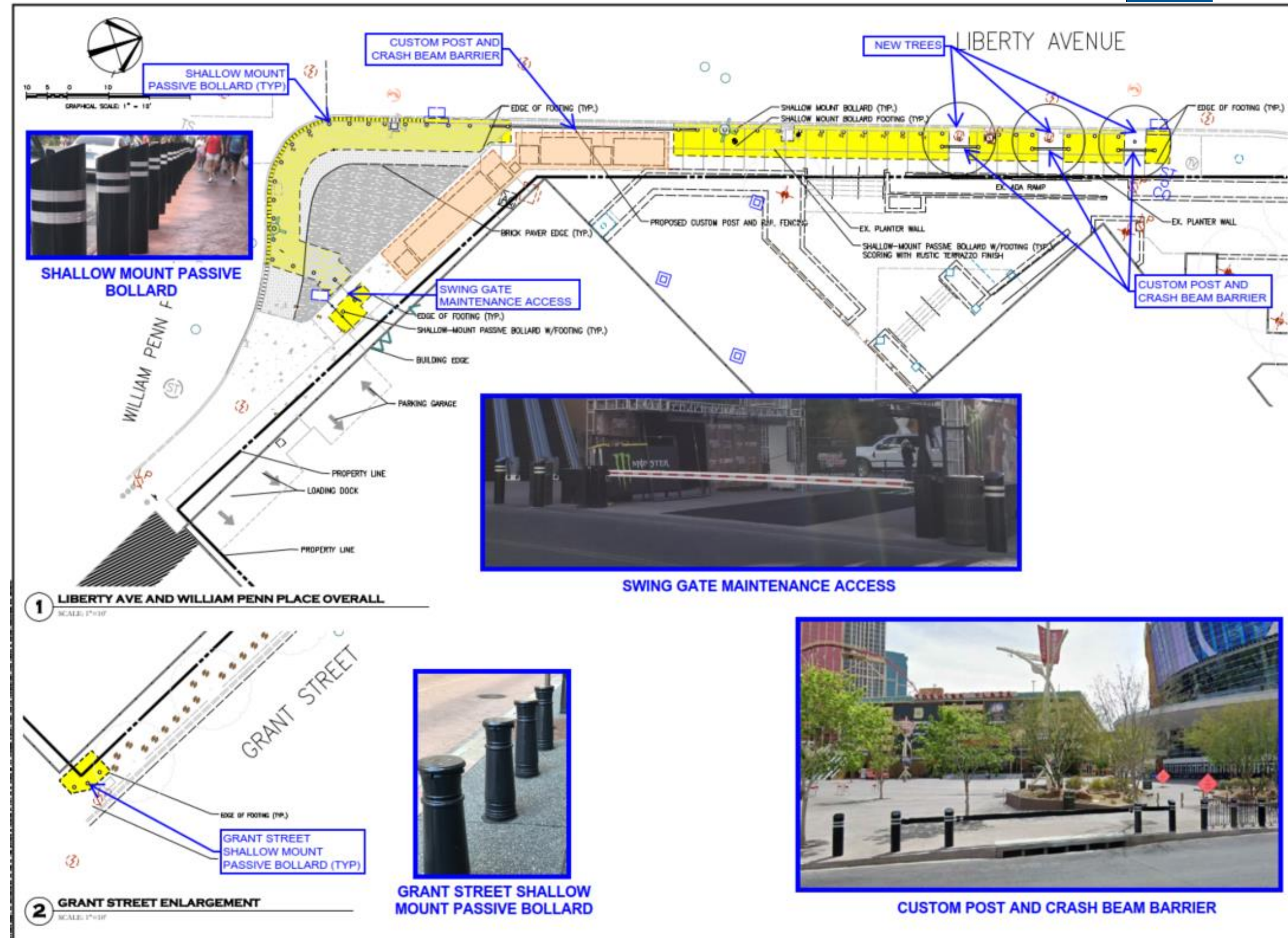
- Underground Vaults
- Tree Boxes

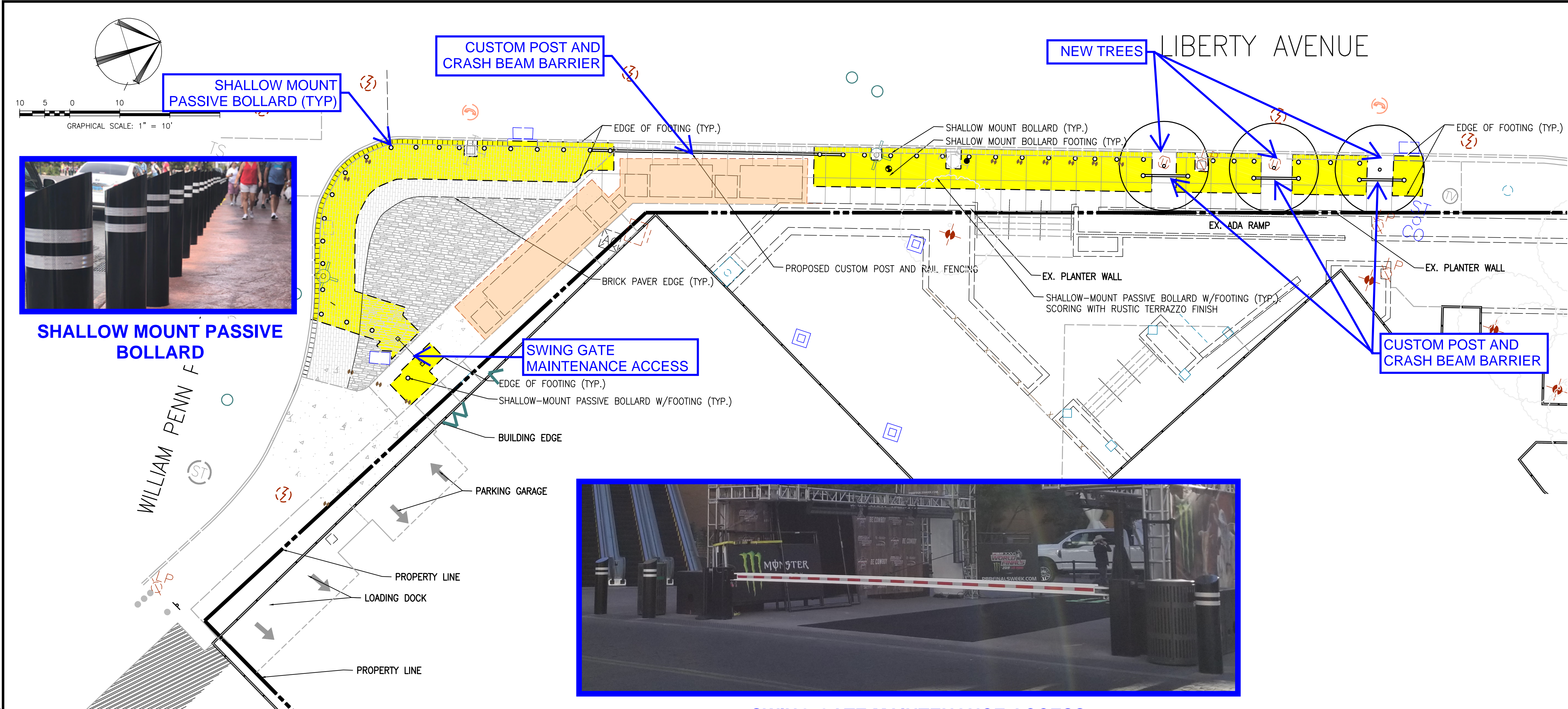


Proposed Security Improvements

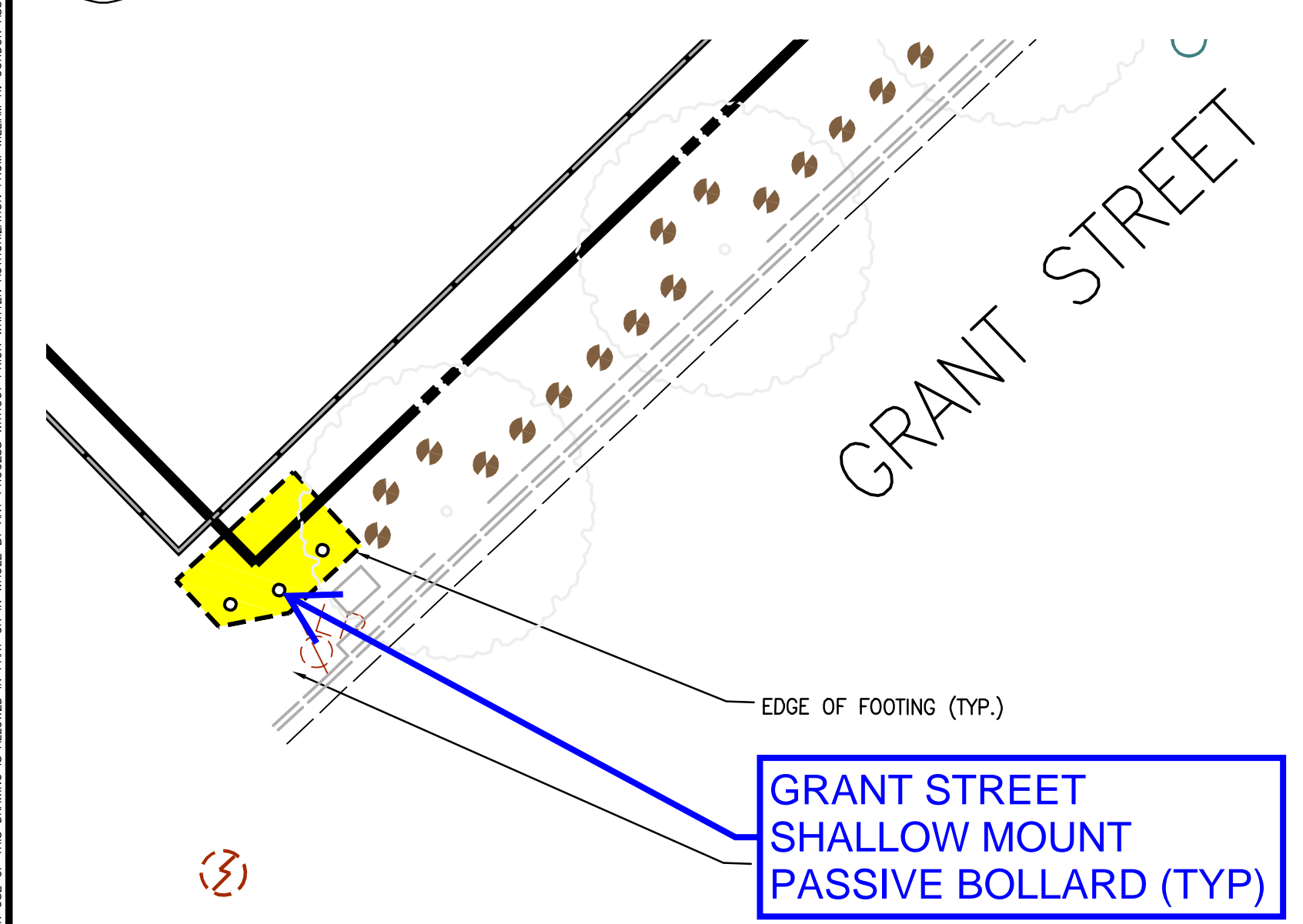
Passive Barriers

- Shallow Mount Passive Bollard
- 48" Tall
- Flat Top
- Swing Gate Maintenance Access
- Custom Post and Crash Beam Barrier





1 LIBERTY AVE AND WILLIAM PENN PLACE OVERALL
SCALE: 1"=10'



2 GRANT STREET ENLARGEMENT
SCALE: 1"=10'



SWING GATE MAINTENANCE ACCESS



CUSTOM POST AND CRASH BEAM BARRIER

REVISIONS	DESCRIPTION	NUMBER	DATE

SUR:	DES:
DRW:	CHK:

SEAL:

HORIZ:	SCALE:
VERT:	DATE: DECEMBER 2021
PLAN: COUNTY PLAN ###	JOB: 3298-0701
CADD:	NCS:
NUMBER: 04	OF 04

PROPOSED SOLUTION - LIBERTY AVENUE
- BOLLARDS



Google Earth

© 2021 Google

6.97 ft

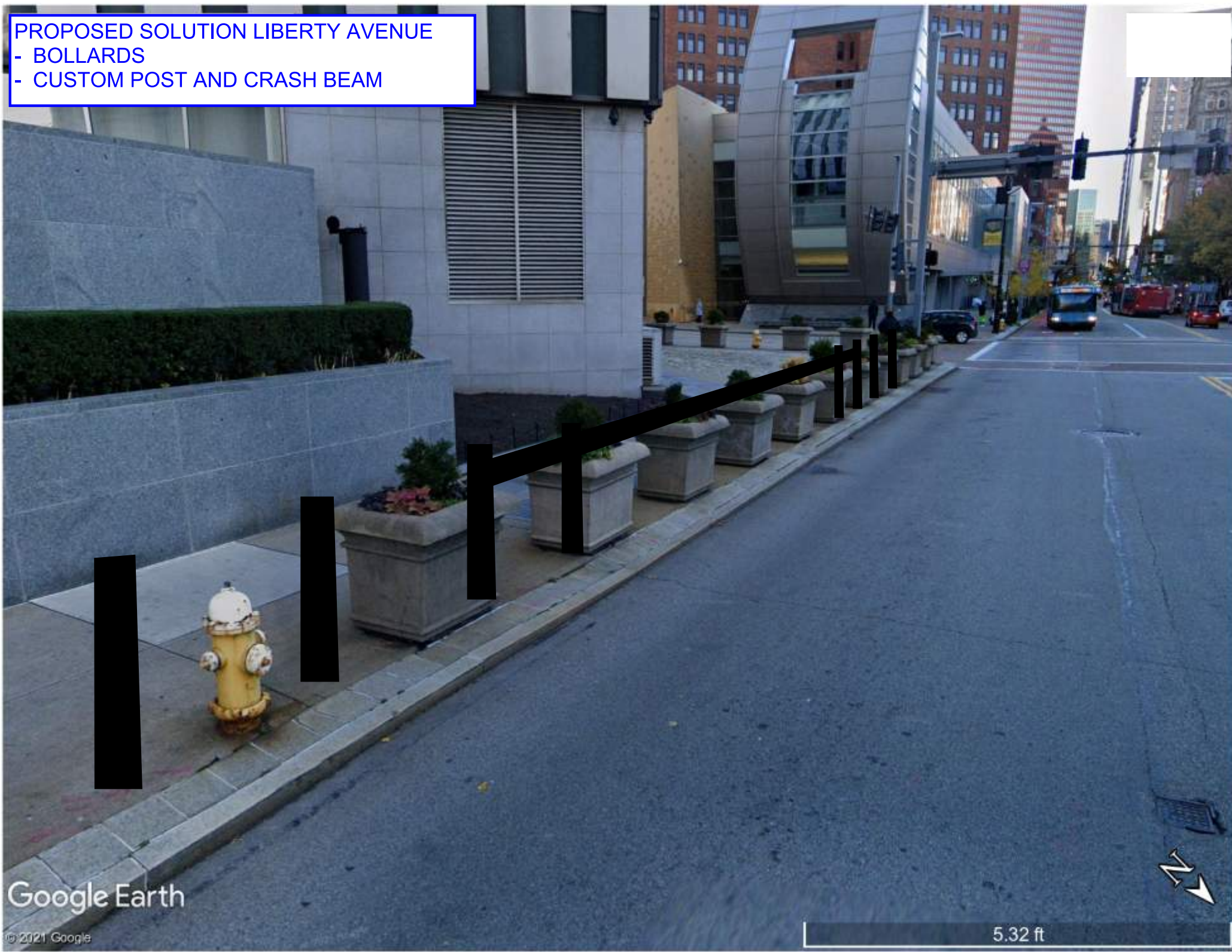
PROPOSED SOLUTION WILLIAM PENN PL
- BOLLARDS
- SWING GATE MAINTENANCE ACCESS



PROPOSED SOLUTION WILLIAM PENN PL
- BOLLARDS
- SWING GATE MAINTENANCE ACCESS

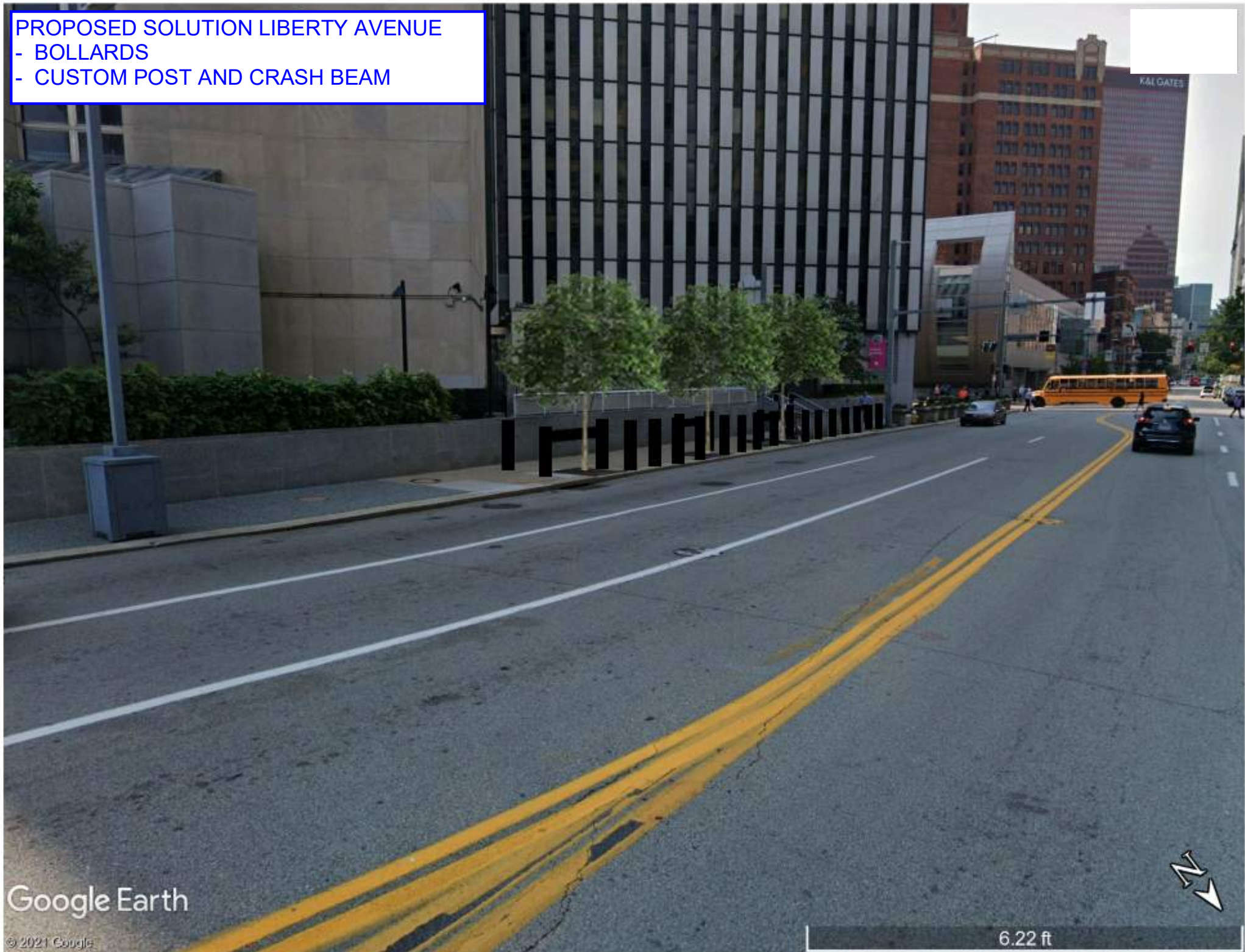


PROPOSED SOLUTION LIBERTY AVENUE
- BOLLARDS
- CUSTOM POST AND CRASH BEAM



PROPOSED SOLUTION LIBERTY AVENUE

- BOLLARDS
- CUSTOM POST AND CRASH BEAM

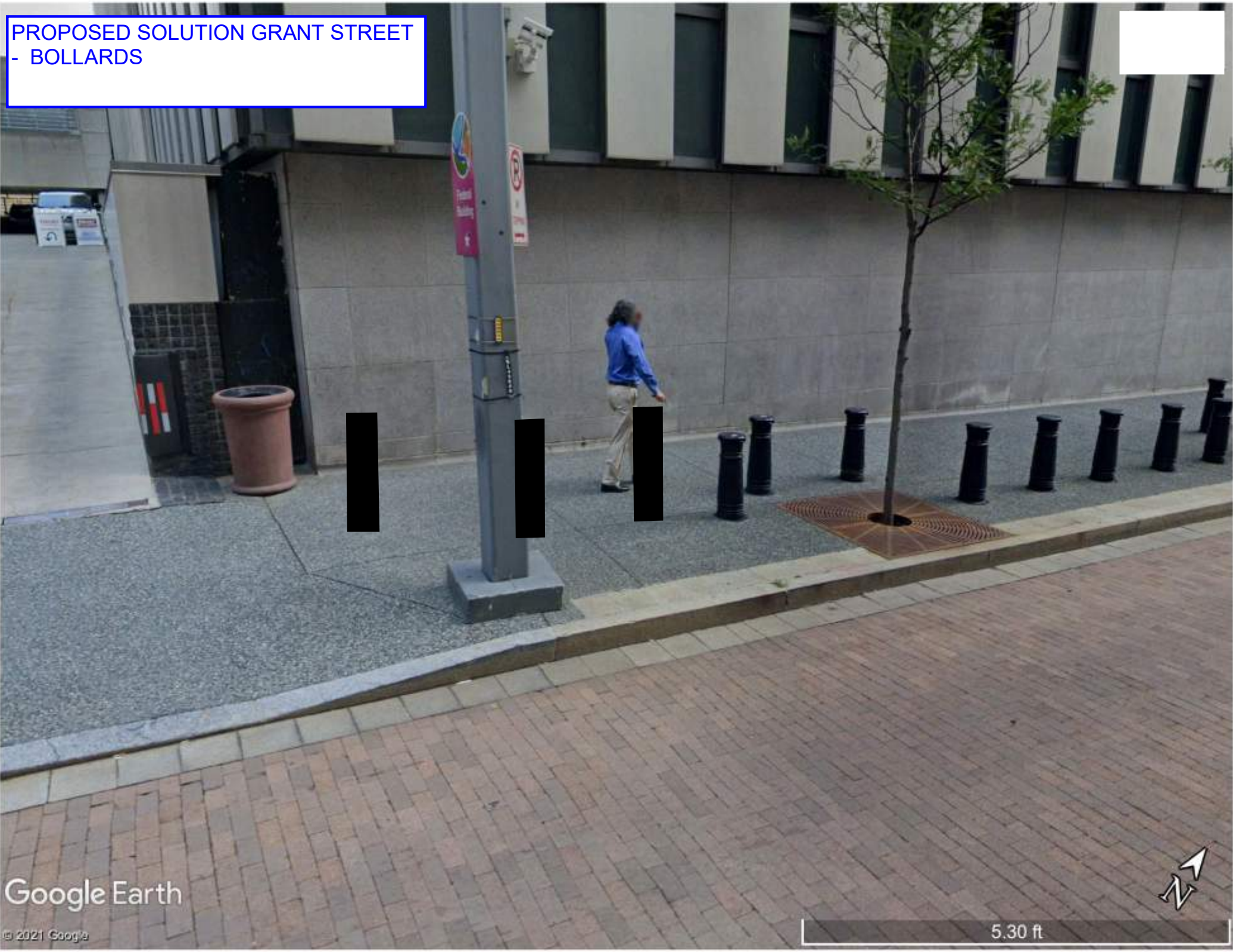


Google Earth

© 2021 Google

6.22 ft

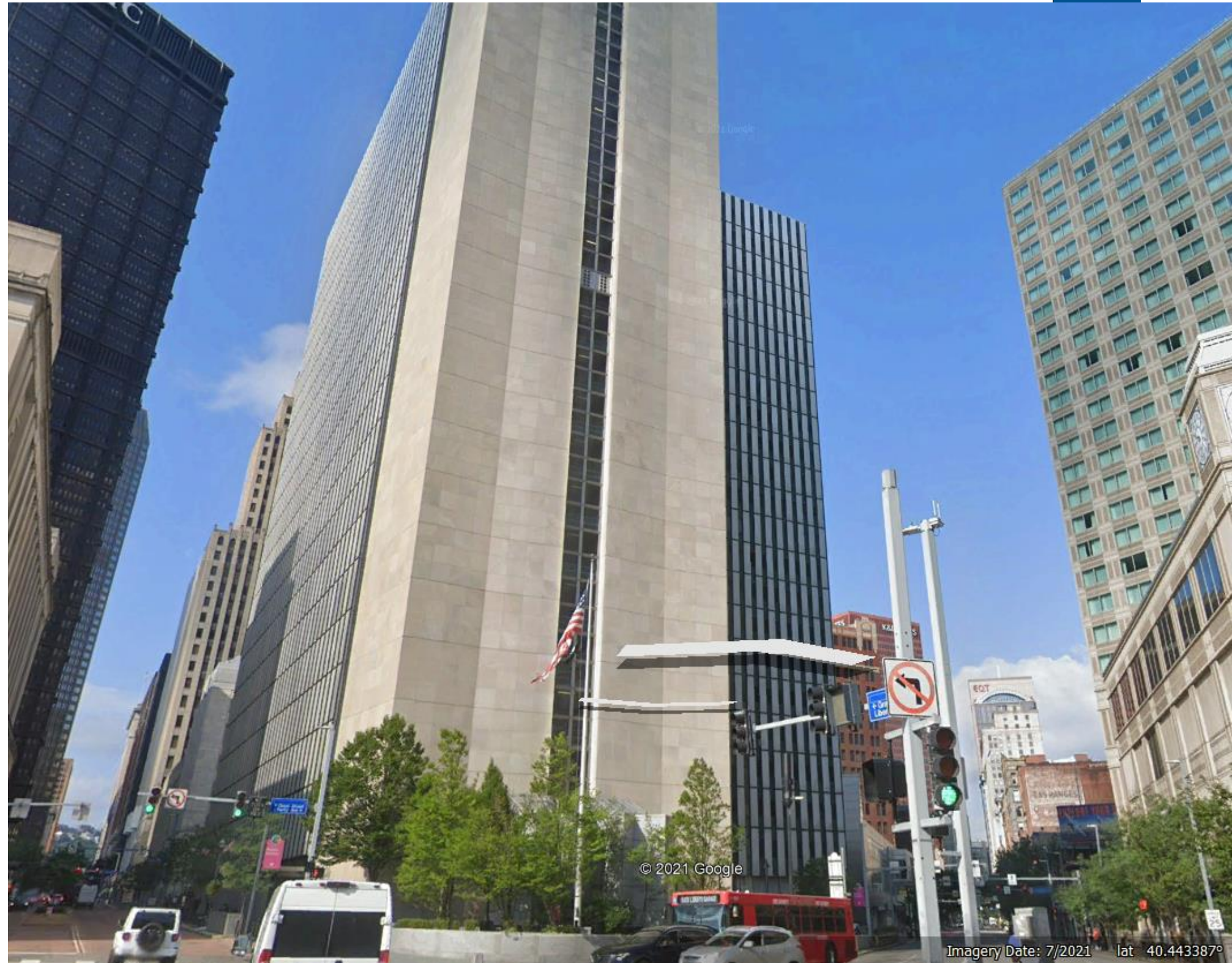
PROPOSED SOLUTION GRANT STREET
- BOLLARDS

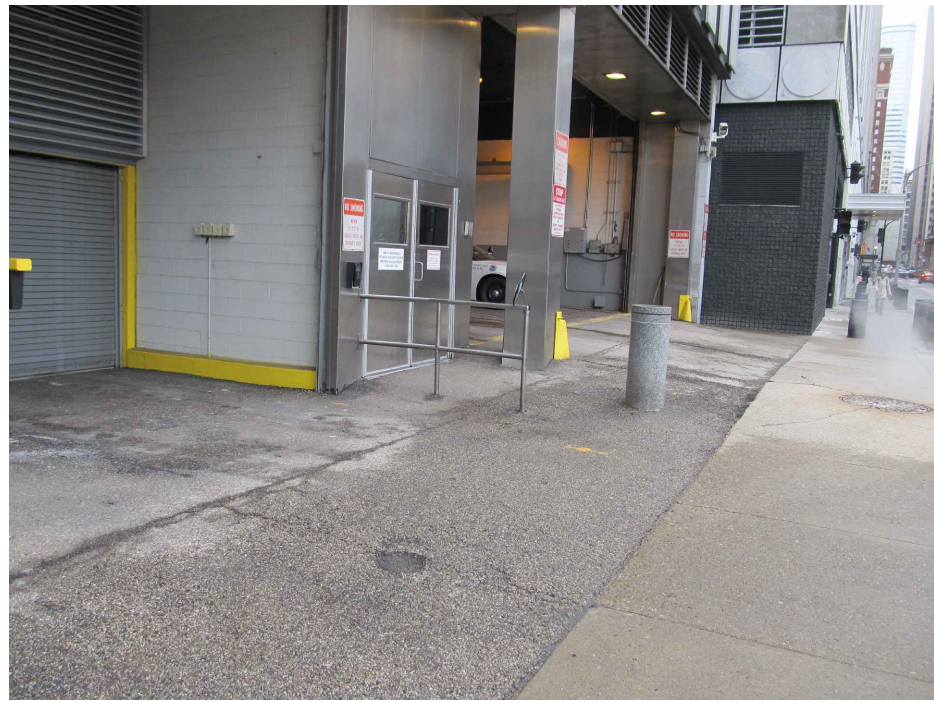
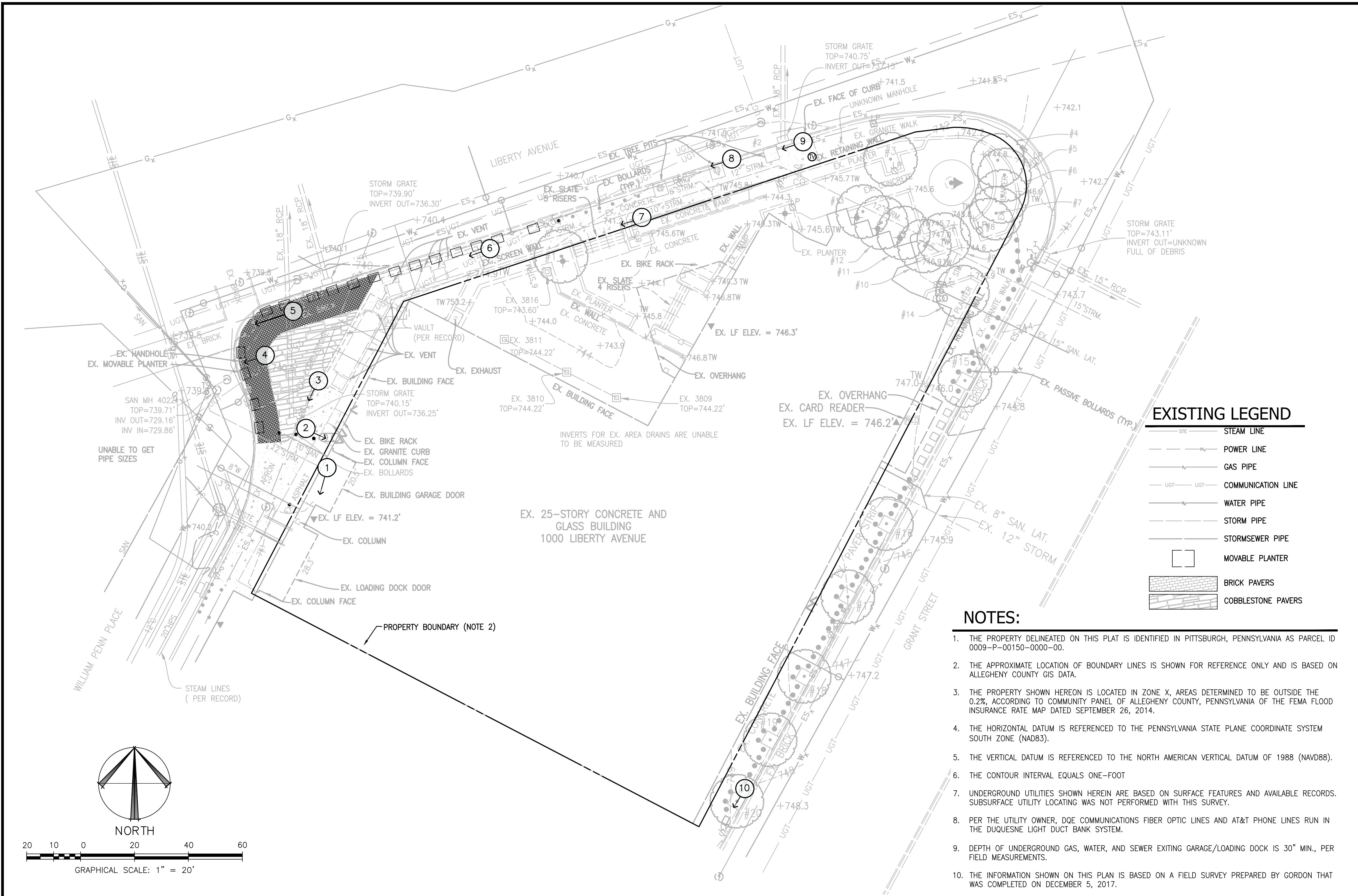


Security Improvements

- Questions?

William S. Moorhead Federal Building
1000 Liberty Avenue

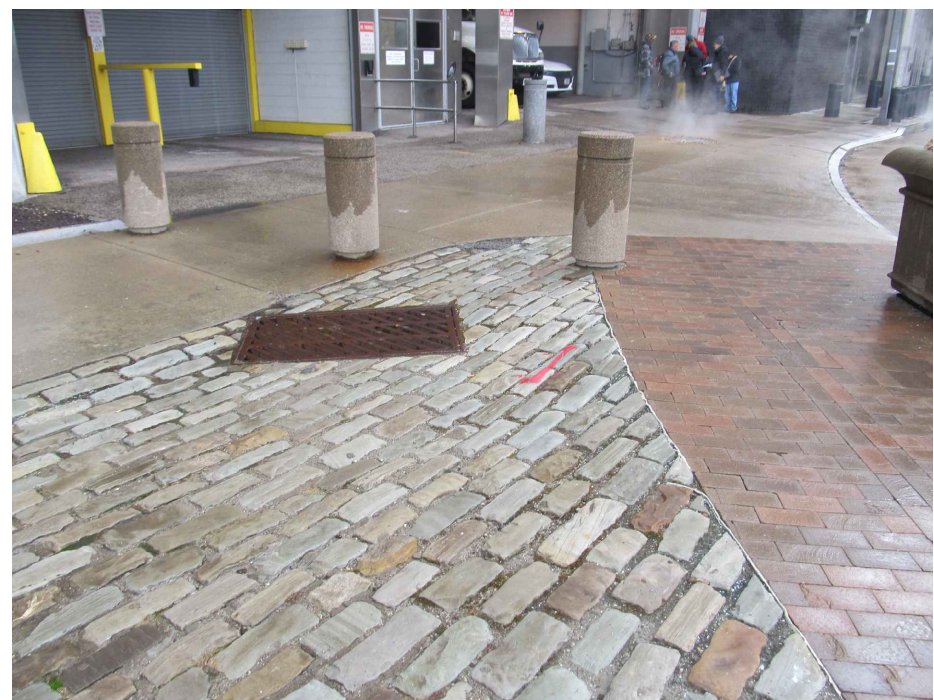




1 GARAGE AND LOADING DOCK



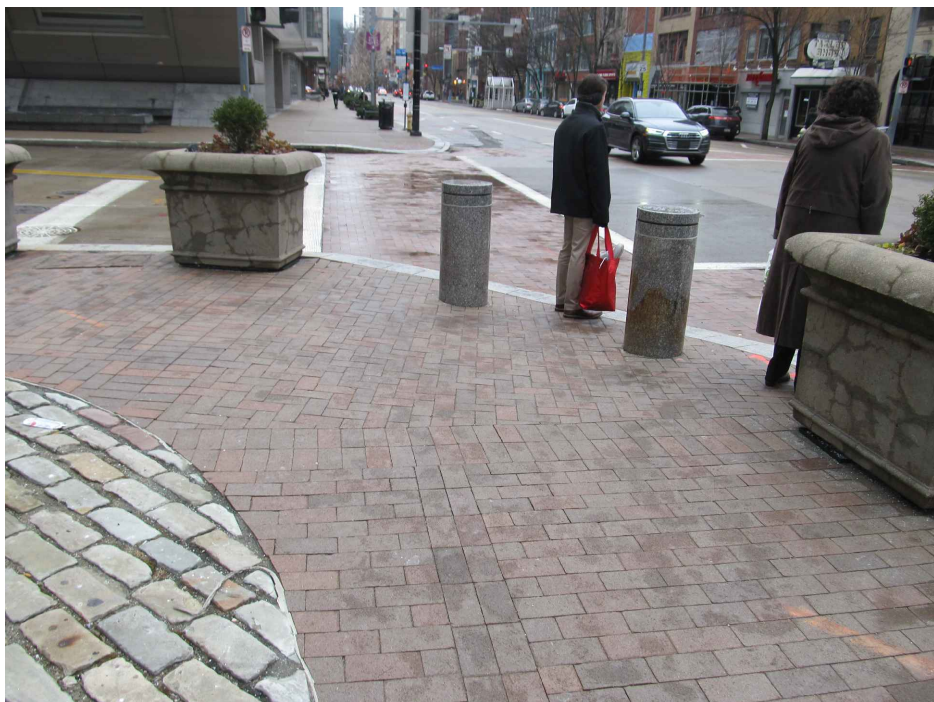
2 UTILITY STRUCTURE NEXT TO GARAGE W/GRANITE CURB



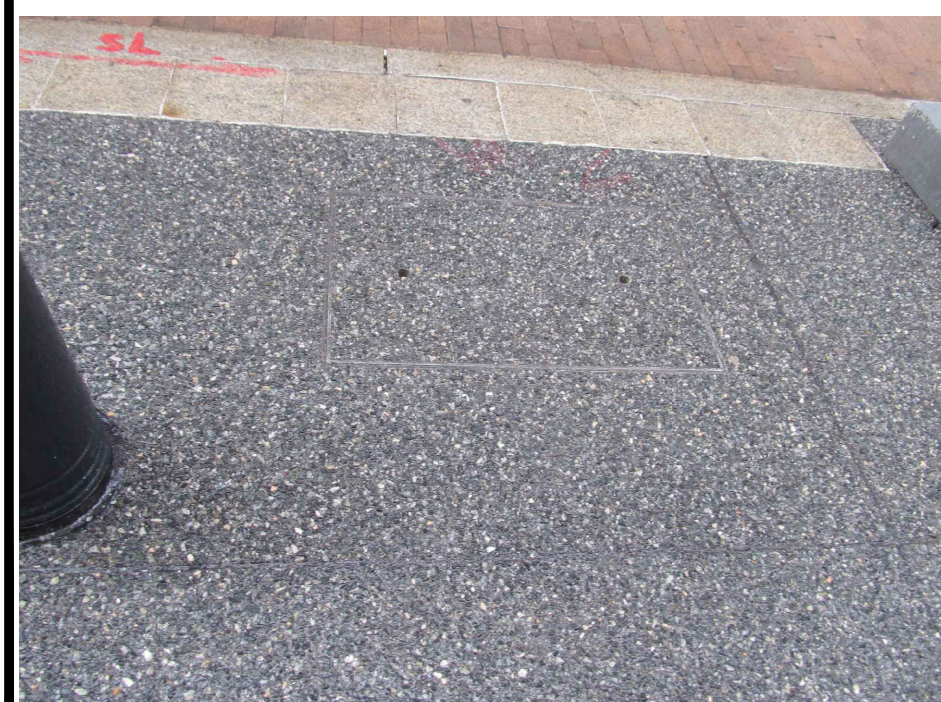
3 STORM SEWER NEXT TO GARAGE ENTRANCE



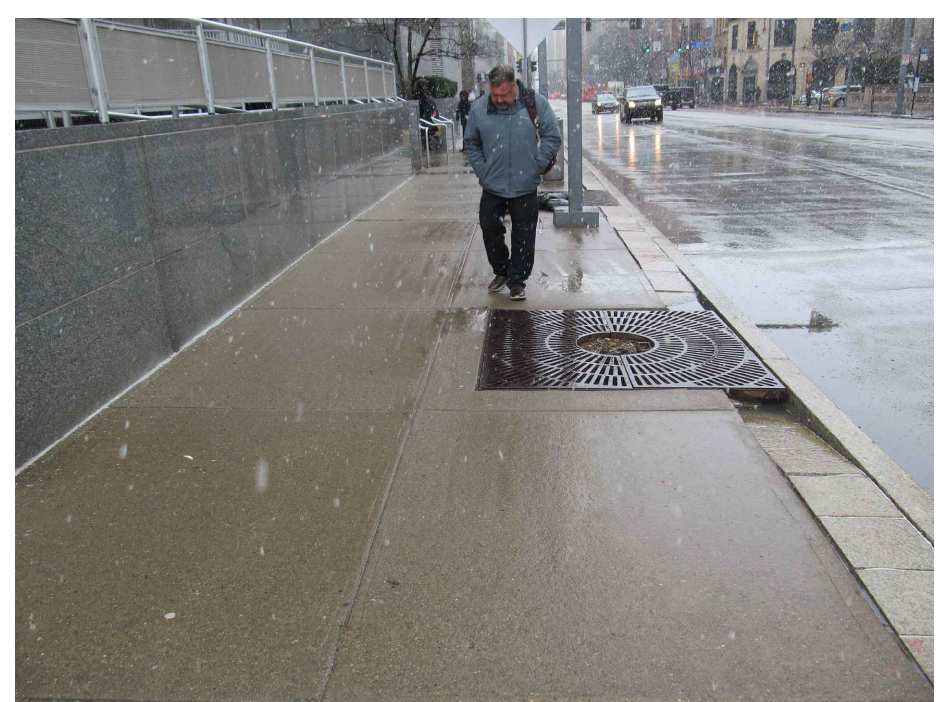
4 TRAFFIC SIGNAL ACCESS PANEL



5 CURB RAMP



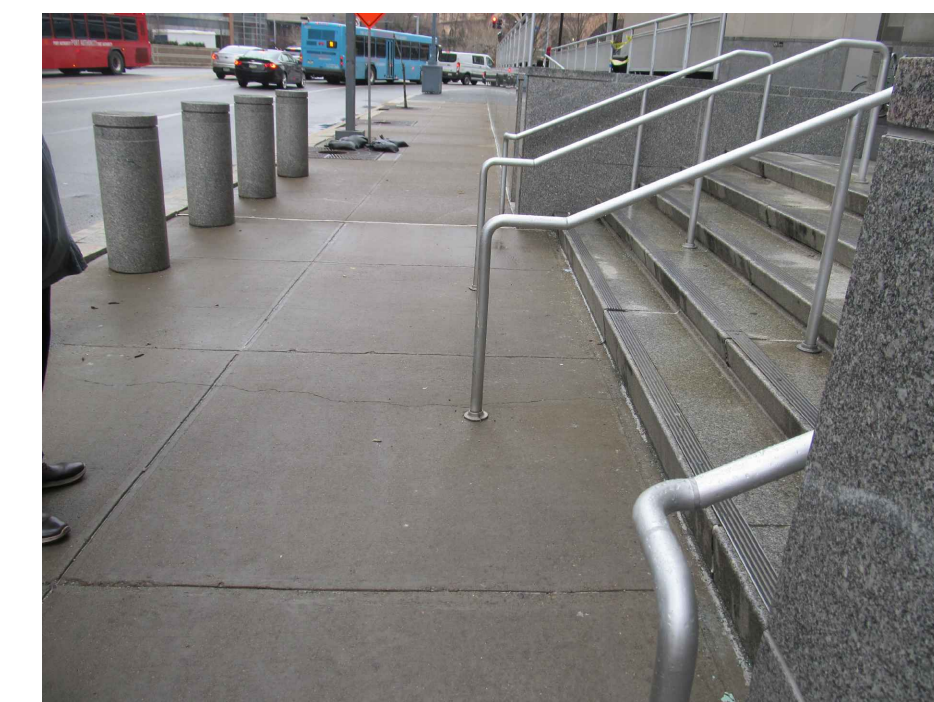
10 TRAFFIC SIGNAL ACCESS PANEL



9 STREET TREE GRATES



8 GRANITE PAVER STRIP ALONG CURB



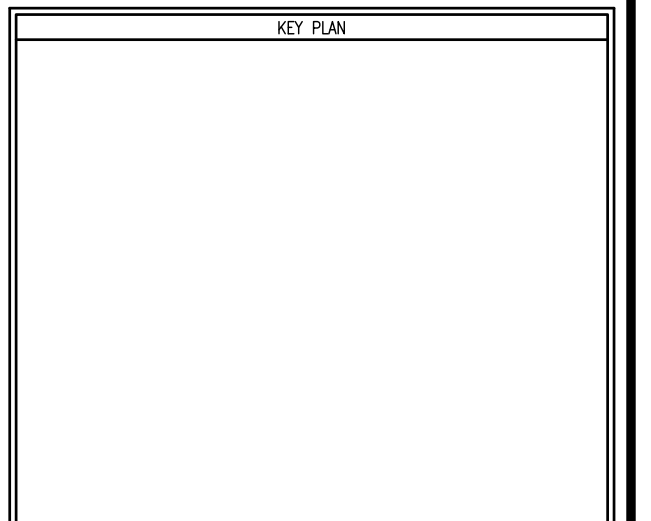
7 STAIRWELL AND HANDRAILS



6 TRANSFORMER VAULT

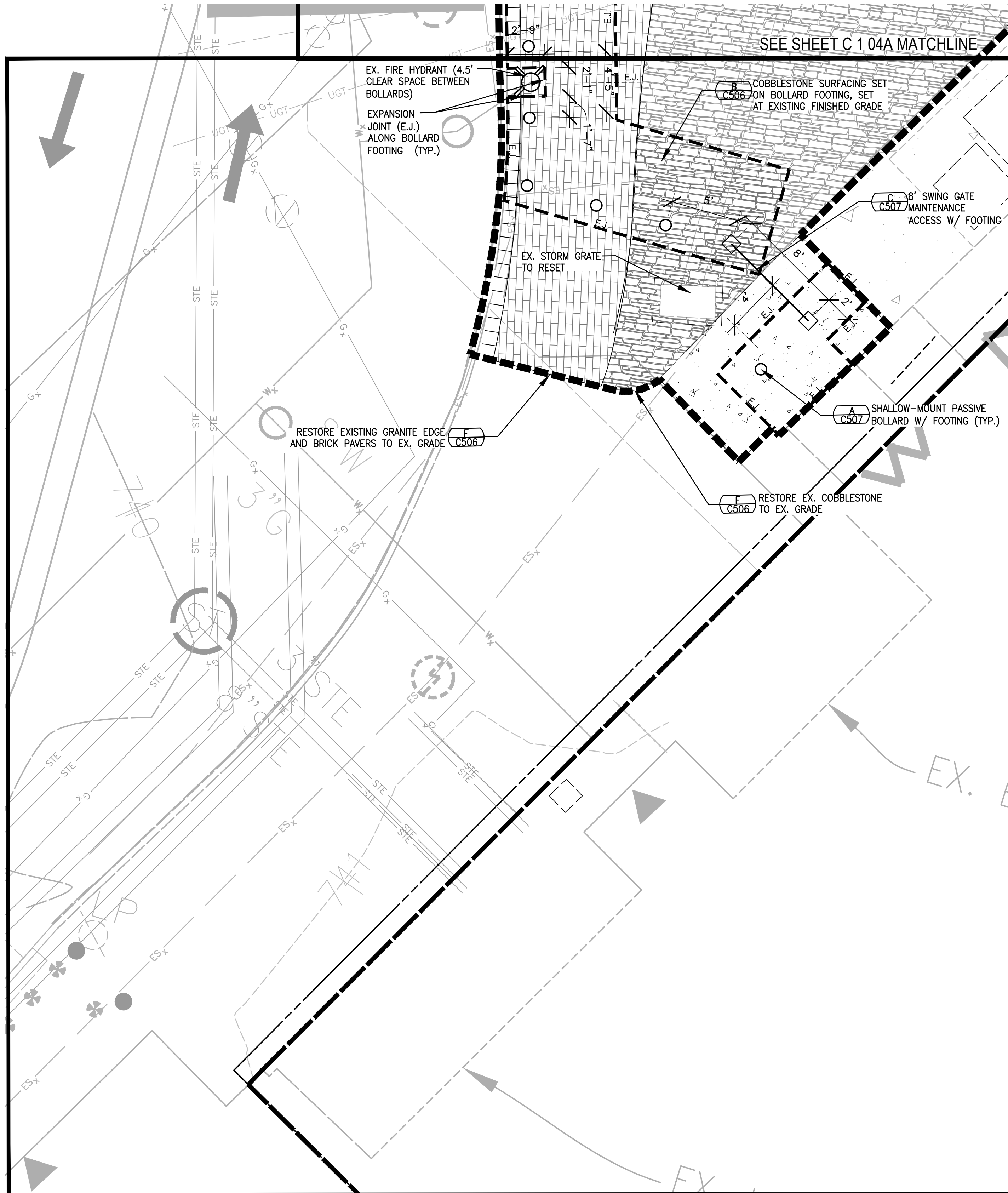
U.S. General Services Administration
Mid-Atlantic Region
Public Buildings Service
The DOW Building
100 South Independence Mall West
Philadelphia, PA 19106-2320

Arch D (24 X 36)



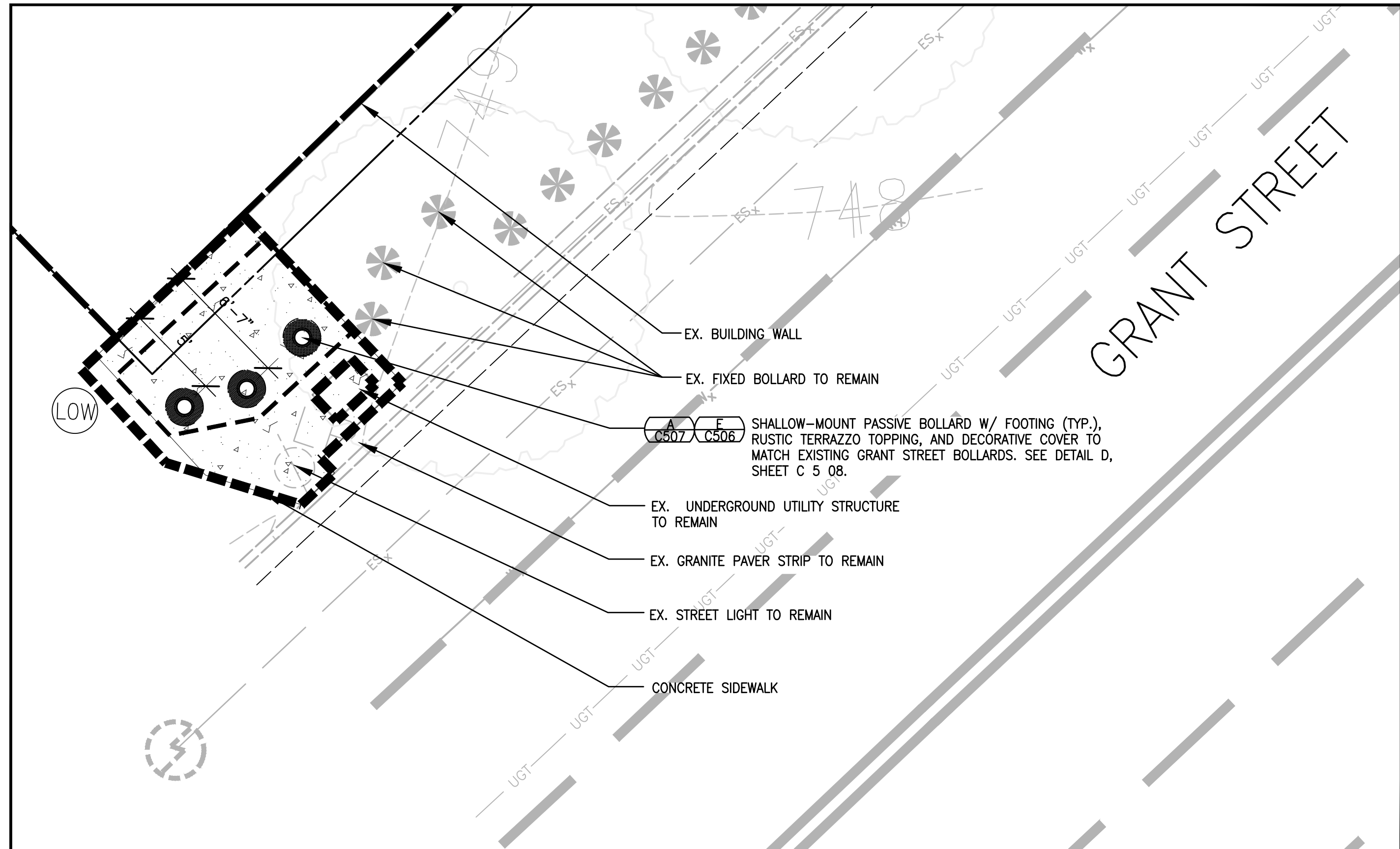
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DATE	05/03/2017
CONTRACT	GS039160X07014 TASK NO: 47P00120F0011
CONSTRUCT	N/A
PRIME A/E	THE ONYX GROUP
ADDRESS	1625 N WASHINGTON ST, STE 304
CITY	ALEXANDRIA
STATE	VA 222314
PROJ. MGR.	ENOS, C
SUB A/E	GORDON
ADDRESS	4501 DALY DRIVE, SUITE 200
CITY	CHANTILLY
STATE	VA 20151
SUB A/E	EHLETT BRYAN
ADDRESS	1809 WESTWOOD CENTER DR
CITY	TYSONS
STATE	VA 22182
NAME	MOORHEAD FEDERAL BUILDING
ADDRESS	1000 LIBERTY AVE
CITY	PITTSBURGH
STATE	PA 15222
BUILDG. NO.	PA023322
ADDITIONAL FACILITY	N/A
ADDITIONAL FACILITY	N/A
TITLE	BLAST FILM AND BOLLARD DESIGN
DESCRIPTION	
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS
DATE	DECEMBER 1, 2011
PROJ. MGR.	GABRIELLE TROUT
PROJ. NO.	RPA78903
DRAWN BY	W. PEART
DATE DRAWN	NOVEMBER 12, 2011
CHKD BY	R. WALKER
DATE CHKD	NOVEMBER 12, 2011
FILE NAME	
FLOOR NO.	
TITLE	EXISTING CONDITIONS PLAN
NUMBER	C 1 00
DISCIPLINE	SHEET TYPE
SEQUENCE	



3 WILLIAM PENN PL ENLARGEMENT
SCALE: 1"=5'

LEGEND	
EXPANSION JOINT IN CONCRETE	E.J.
EXPANSION JOINT UNDER BRICK PAVER	E.J.
CONTROL JOINT IN CONCRETE	



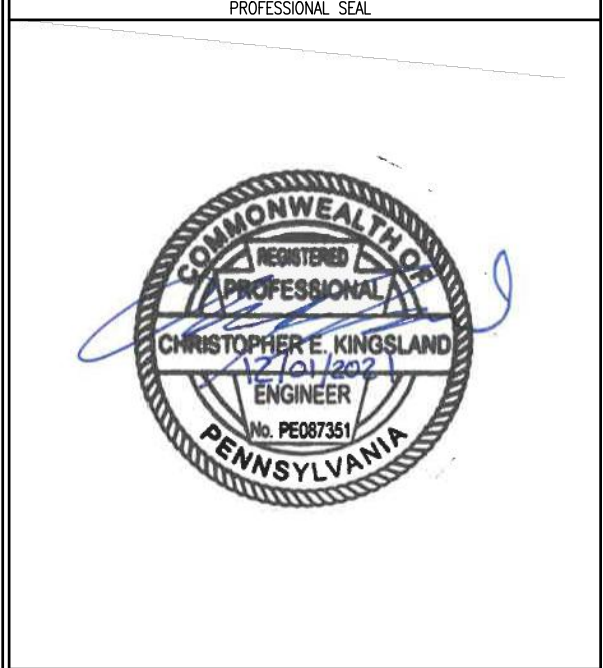
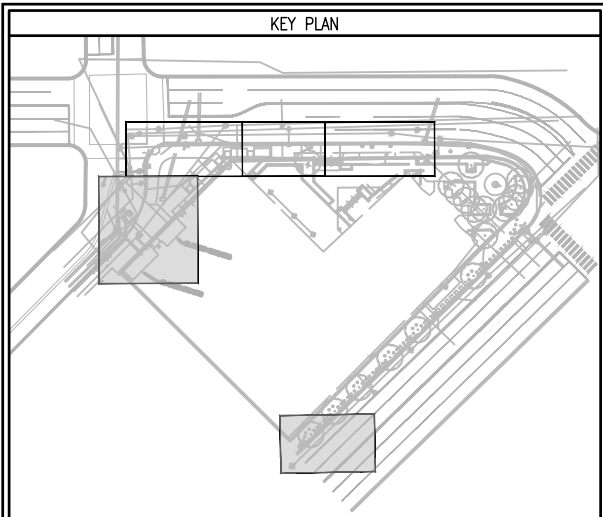
4 GRANT STREET ENLARGEMENT
SCALE: 1"=5'

NOTES

1. ALL JOINTS IN BARRIER FOUNDATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION REQUIREMENTS. JOINTS IN BARRIER FOUNDATION SHOWN FOR INFORMATIONAL/BIDDING PURPOSES ONLY.
2. EXPANSION JOINT AROUND ALL BOLLARDS AT JUNCTION WITH BRICK PAVERS.
3. EXPANSION JOINT AROUND EDGE OF ALL BOLLARD FOOTINGS.

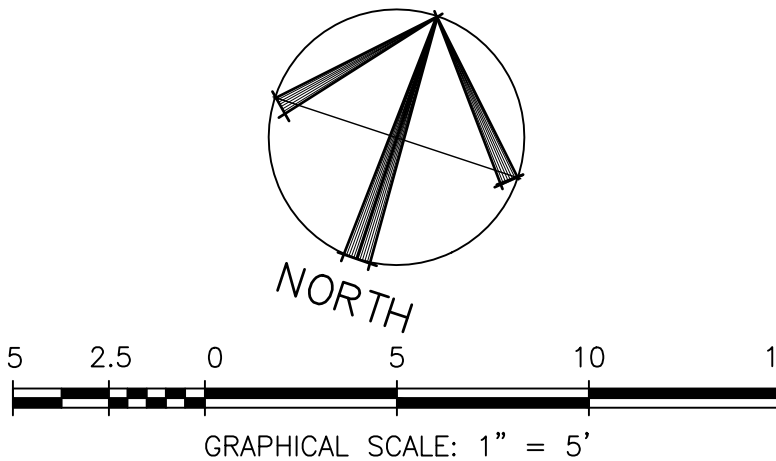
U.S. General Services Administration
Mid-Atlantic Region
Public Buildings Service
The DOW Building
100 South Independence Mall West
Philadelphia, PA 19106-2320

Arch D (24 X 36)



REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1		
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GRAPHIC SCALE	
CONTRACT	
NAME	QSO3916DXD7014 TASK NO: 47PD0120F0011
CONSTRUCT	N/A
PRIME A/E	THE ONYX GROUP
ADDRESS	1625 N WASHINGTON ST, STE 304 ALEXANDRIA, VA 222314
PRIME A/E MGR	ENOS, C
SUB A/E	GORDON
ADDRESS	4501 DALY DRIVE, SUITE 200 CHANTILLY, VA 20151
SUB A/E	EHLERT BRYAN
ADDRESS	8609 WESTWOOD CENTER DR TYSONS, VA 22182
NAME	MOORHEAD FEDERAL BUILDING
ADDRESS	1000 LIBERTY AVE PITTSBURGH, PA 15222
BUILDING	PA023322
BLDG NO.	N/A
ADDITIONAL FACILITY	N/A
ADDITIONAL FACILITY	N/A
TITLE	BLAST FILM AND BOLLARD DESIGN
DESCRIPTION	
SUBMISSION	
FINAL CONSTRUCTION DOCUMENTS	SUB DATE: DECEMBER 1, 2021
PROJ. MGR.	GABRIELLE TROUT
PROJ. NO.	RPA78903
DRAWN BY	W. PEART
DATE DRAWN	NOVEMBER 12, 2021
CHKD BY	R. WALKER
DATE CHKD	NOVEMBER 12, 2021
FILE NAME	
DRWING	
FLOOR NO.	
TITLE	SITE PLAN ENLARGEMENTS
NUMBER	C 1 04B
DISCIPLINE	SHEET TYPE
SEQUENCE	





Pennsylvania State Historic Preservation Office

PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

July 09, 2021

Donna Andrews
Regional Historic Preservation Officer
US GSA
100 South Independent Mall West
Suite 415
Philadelphia PA 19106

ER 2021PR04856.001: GSA, Proposed Security Countermeasures, Pittsburgh, Allegheny County

Dear Ms. Andrews,

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Archaeological Resources

Thank you for submitting information concerning the above-referenced project. The following archaeological resources are located in or near the project area: 36AL0520 Ogle Way Site. Based on the information received and available in our files, in our opinion, the activity described in your proposal will have no effect on such resources. Should the scope of the project be amended to include additional ground disturbing activities and/or should you be made aware of historic property concerns, you will need to notify the PA SHPO at pashare@pa.gov. A Phase I Archaeological Survey may be necessary to locate all potentially significant archaeological resources.

Above Ground Resources

Thank you for submitting information concerning the above-referenced project. In our opinion and based on the information received, the project as proposed will have no adverse effect on the following historic properties: Penn-Liberty Historic District Increase, Resource # 2011RE00527; Pittsburgh Central Downtown Historic District, Resource # 1984RE02658. Should the scope of the project change and/or should you be made aware of historic property concerns, you will need to notify the PA SHPO at pashare@pa.gov and provide the revised designs for review and comment.

If you need further information on above ground resources please consult Cheryl Nagle at chnagle@pa.gov. If you need further information on archaeological resources please contact Sara-Ladd Clark at saralclark@pa.gov.

Sincerely,

Andrea L. MacDonald
Deputy SHPO



June 21, 2021

Mr. Douglas C. McLearen, Chief
Division of Archaeology & Protection
Bureau for Historic Preservation
Pennsylvania Historical & Museum Commission
400 North Street, 2nd Floor
Harrisburg, PA 17120-0093

Re: Section 106 Undertaking
Proposed Perimeter Security Countermeasures
William S. Moorhead Federal Building
1000 Liberty Avenue
City of Pittsburgh, Allegheny County, Pennsylvania

Dear Mr. McLearen:

The U.S. General Services Administration (GSA) is proposing to install perimeter security countermeasures at the William S. Moorhead Federal Building (Moorhead FB). The Moorhead FB was constructed in 1964 and is not individually eligible for listing on the National Register of Historic Places (SHPO Opinion: 2/12/15). The Moorhead FB is located immediately adjacent to, and within the viewshed of, the National Register-listed Pittsburgh Central Downtown Historic District (NR: 12/17/85) and the Penn-Liberty Historic District (NR: 11/18/87 and 5/8/13).

The Moorhead FB is located on the west corner of Liberty Avenue and Grant Street in Pittsburgh, Pennsylvania. The proposed perimeter security countermeasures will address security needs along Grant Street, Liberty Avenue, and William Penn Place. Bollards with painted black steel covers and granite barriers currently exist along the Grant Street side of the facility; a granite retaining wall and movable planters provide a partial perimeter along Liberty Avenue and William Penn Place. This project proposes to install clear anti-fragmentation film to the exterior windows of the first three floors of the building, fixed bollards and post and beam anti-ram fencing on Grant Street near the south corner of the Moorhead FB and along Liberty Avenue and William Penn Place, and active vehicle barriers at the existing loading dock and parking garage on William Penn Place. This undertaking is in response to Interagency Security Committee (ISC) requirements which require perimeter barriers be installed at federal facilities. The Moorhead FB is considered a Level IV secure facility per ISC standards.

The proposed project is considered an undertaking subject to Section 106 consultation. For purposes of Direct Effect, GSA proposes the Area of Potential Effect (APE) be limited to the areas of disturbance at the building itself. For purpose of the APE for Indirect Effects, GSA proposes the surrounding areas the changes to property will be visible, including a portion of Grant Street midway between 7th Avenue and Liberty Avenue, Liberty Avenue from Grant Street to midway between William Penn Place and Smithfield Street, William Penn Place from Liberty Avenue to midway between Liberty Avenue and 7th Avenue, and 10th Street from Liberty Avenue

to Penn Avenue. Please see Attachment 1 for a site location map and photographs of the existing conditions.

GSA has retained the Onyx Group to undertake study and design for the proposed perimeter security countermeasures. Please see Attachment 2 for a portion of the 100% Blast Film and Bollard Study, Attachment 3 for the 95% Basis of Design, and Attachment 4 for the 95% design drawings. A variety of local permits, approvals, and coordination are required for this undertaking and are listed in the Basis of Design in Attachment 3, beginning on page 11. The approvals include Department of City Planning, Art Commission review. Modifications to the design may be necessary to secure local permits and approvals.

A geotechnical study undertaken at the Moorhead FB determined that the soils surrounding the building consisted of fill to a depth of approximately 13 feet. The proposed bollards, post and beam anti-ram fencing, and active vehicle barriers will require around three feet of excavation. The likelihood that excavation activities for this undertaking would disturb intact archaeological resources is de minimis.

In accordance with Section 106 of the National Historic Preservation Act and 36 CFR 800.5(b), it remains the determination of GSA that the proposed undertaking will have a No Adverse Effect on any historic properties.

Please note, the included study and design documents are considered Sensitive but Unclassified (SBU) building information. SBU building information is disseminated only to authorized recipients on a need-to-know basis. Please do not share this information with the general public since further distribution is prohibited. Please securely dispose of the design drawings once consultation is complete.

If you need additional information, please do not hesitate to contact me at (215) 446-4570 or donna.andrews@gsa.gov.

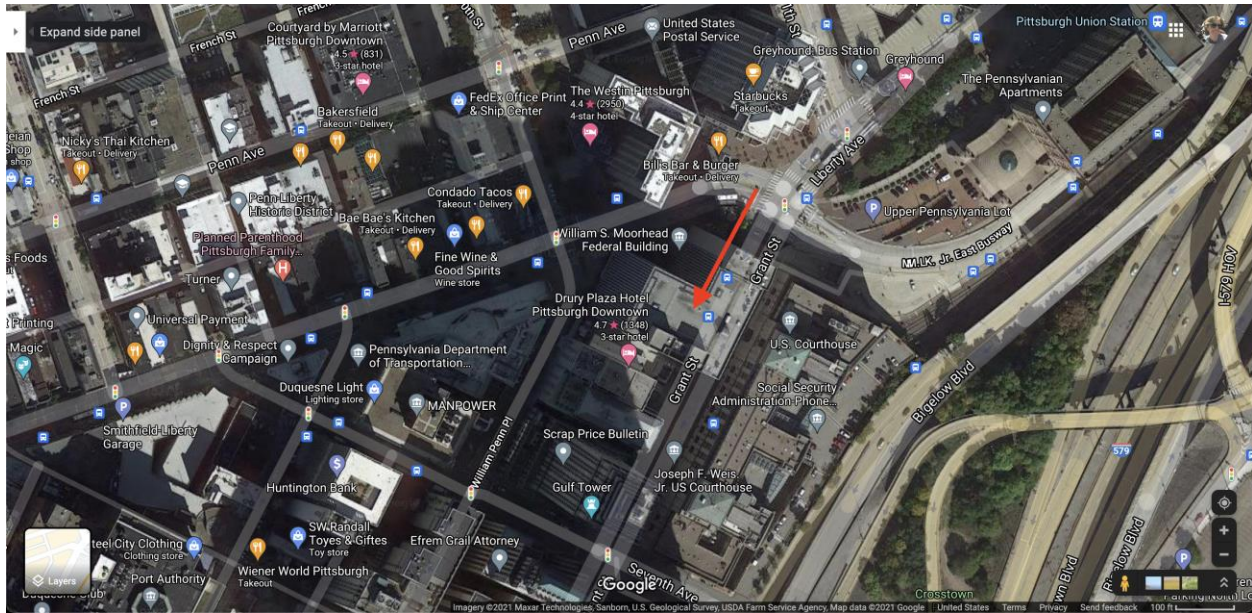
Sincerely,

A handwritten signature in dark ink, appearing to read 'Donna', followed by a stylized flourish.

Donna Andrews
Regional Historic Preservation Officer
Public Buildings Service

Cc: Sarah Quinn – City of Pittsburgh

Attachment 1: Site Map and Photographs



Aerial photograph showing the location of the Moorhead FB. Red arrow indicates the Moorhead FB. Google Maps 2021.

Attachment 1: Site Map and Photographs



View northeast along Grant Street from the south corner of the Moorhead FB. Three additional matching bollards will be installed at this location.

Attachment 1: Site Map and Photographs



View southeast along Grant Street from the intersection with Liberty Avenue.

Attachment 1: Site Map and Photographs



View west-southwest along Liberty Avenue from near the intersection with Grant Street. A combination of bollards matching those along Grant Street and post and beam anti-ram fencing will be installed along Liberty Avenue.

Attachment 1: Site Map and Photographs



View east-northeast along Liberty Avenue from William Penn Place. A combination of bollards matching those along Grant Street and post and beam anti-ram fencing will be installed along Liberty Avenue, replacing the existing movable planters.

Attachment 1: Site Map and Photographs



View south along William Penn Way toward the existing loading dock and parking garage entrance from Liberty Avenue. Bollards matching those along Grant Street will be installed along William Penn Place up to the parking garage entrance. Active vehicle barriers will be installed at the existing loading dock and parking garage entrance.

Attachment 1: Site Map and Photographs



View northeast along William Penn Place toward Liberty Avenue from the southwest corner of the Moorhead FB. Bollards matching those along Grant Street will be installed along William Penn Place up to the parking garage entrance. Active vehicle barriers will be installed at the existing loading dock and parking garage entrance.

Attachment 2: 100% Blast Film and Bollard Report

The study report is lengthy; pertinent sections including the Executive Summary and portions of the Geotechnical Investigation are included here.

Attachment 3: 95% Basis of Design

Attachment 4: 95% Design Drawings