Sports & Exhibition Authority
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ADDENDUM NO. 1

NOVEMBER 20, 2020

FOR

BUILDING PERIMITER SECURITY AT THE DAVID L. LAWRENCE CONVENTION CENTER

Prospective bidders shall attach this addendum to the Contract Documents now in their possession.

Receipt of ADDENDUM NO. 1 must be acknowledged in the space provided on the Bid Form.

RE: BUILDING PERIMITER SECURITY AT THE DAVID L. LAWRENCE CONVENTION CENTER

1. The following revisions are hereby made to the bid documents for the referenced project. The prospective bidder shall, for their own information, note the following additions on the documents in the bidder's possession.

2. Please find attached a copy of the Pre-Bid Meeting Minutes and attendance sheet.

3. Please find attached a copy of the Questions/Answers submitted.

4. Please see the attached ROW Improvement Plan, including traffic control plan.

5. Please note that Spec section 34 75 13, sheet 4 item 2.5 is removed from the project requirements.

END OF ADDENDUM

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PRE-BID MEETING, NOVEMBER 18, 2020, 2:00 PM

BUILDING PERIMITER SECURITY AT THE DAVID L. LAWRENCE CONVENTION CENTER

MEETING MINUTES

1. An attendance sheet was distributed to all those present.

2. Joseph Garcia (JG) discussed the general purpose of the Pre-Bid meeting which was to identify the roles of the various organizations, discuss specifics of the project, to review what was expected in the proposals, and answer any questions.

3. Joseph Garcia (JG) discussed the process review and timeline.

    1. Pre Bid Meeting – Non Mandatory
    2. Inquiries due Tuesday November 24, 2020 – 2:00 pm
    3. Posting of final addendum & answers to questions Wednesday November 25, 2020
    4. Bids due – Wednesday December 16, 2020 – Before 5:00 pm (ASM Global Offices)
    5. Post bid scope review – Friday December 18, 2020 (If necessary)
    6. Presentation for SEA Board approval – Thursday January 14, 2021
    7. Contract issued to Contractor / Limited Notice to Proceed – Wednesday January 20, 2021

4. Joseph Garcia (JG) explained the roles of:
    - Joseph Garcia is the ASM Global Operations Manager at the David L. Lawrence Convention Center and will be overseeing the project and assist in the coordination with building operations to make sure the project conforms to the operations of the active building.
    - Tom Ryser is an owner's representative for the SEA
    - Clarence Curry with CFC3 is the SEA's MBE/WBE Coordinator (ccury@pgh-sea.com)
    - Guy DeFazio is the ASM Global Director of Facilities at the David L. Lawrence Convention Center and will be the project coordinator and assist with building operations to make sure the project conforms to the operations of the active building.
    - TranSystems is the project architect.

5. Todd Libengood (TL) with TranSystems provided a summary of the contract scope.
    - Base Bid is related to Building Perimeter Security at the David L. Lawrence Convention Center that includes the supply, installation, traffic control, permitting and coordination with the City of Pittsburgh for increased security at the perimeter of the convention center with traffic calming measures.

6. Joseph Garcia (JG) reviewed and emphasis areas of the project manual.
    - Bid Form
    - (10%) Bid Bond and Acknowledgement
    - Non- Collusion Affidavit of Prime Bidder
    - Certificate of Minority and Women Business Enterprises Participation
    - MBE / WBE Solicitation Statement
    - Letter of Assent for the Project Labor Agreement
    - Public Works Employment Verification Form

7. Todd Libengood (TL) with TranSystems provided and overview of the contract drawings and specifications during the exterior building walk through.

END OF MEETING MINUTES

Building Perimeter Security at the David L. Lawrence Convention Center
David L. Lawrence Convention Center

Pre-Bid Meeting (Non Mandatory)
November 18, 2020
2:00 PM

Name	Company	Phone	Email
Todd Libengood	TransSystems	(412) 402-4800	tglibengood@transystems.com
Alan Kraemer	PSX Group	(412) 848-8326	alan.kraemer@psxgroup.com
Brad McKibben	MCK Construction	(412) 475-1426	brad@mck-construction.com
Jerry Bacco	Imbutec	(412) 276-2247	jbacco@imbutec.com
Stephanie Rosser	RIP Secuirty	(910) 622-3329	coo@ripusa.com
Mike Gulley	RIP Secuirty	(910) 622-3329	coo@ripusa.com
David Traficante	Rycon Construction	(412) 215-9052	dtraficante@ryconinc.com
Michael A. Facchiano, Jr.	Facchiano Contracting	(412) 344-5503	mfacch@mafacchianocontracting.com
Tonya Ford	Rhino Security Services	(412) 414-7418	T.ford@rhinosecurityservices.net
Robin Lewis	Cosmos Technology	(412) 223-8114	rlewis@cosmostechnologyinc.com
Guy DeFazio	David L.Lawrence Convention Center	(412) 325-6179	gdefazio@pittsburghcc.com
Joseph Garcia	David L.Lawrence Convention Center	(412) 952-3956	jgarcia@pittsburghcc.com
Tom Ryser	Sports & Exibition Authority of Pittsburgh	(412) 201-7344	tryser@pgh-sea.com

Sports & Exhibition Authority
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PRE-BID MEETING, NOVEMBER 18, 2020, 2:00 PM

BUILDING PERIMITER SECURITY AT THE DAVID L. LAWRENCE CONVENTION CENTER

1. **QUESTIONS:**

   a. **Are we able to bid on just one item or do we need to bid on all the items?**
      i. A valid lump sum bid must include all line times. We will not accept a bid on one line item.

   b. **Will you be awarding the work to one general contractor or will you have multiple companies being awarded different facets of the work?**
      i. The contract shall be awarded to one prime contractor

   c. **What is the estimated budget amount of the project?**
      i. As stated on the bid announcement the approximate value is $220,940

   d. **Is this a union project or prevailing wage project?**
      i. Please refer to the Project Manual Section 5 General Conditions, Article 45 Prevailing Minimum Wage Predetermination and Project Manual Section 10 Project labor Stabilization Agreement.

   e. **The Acknowledgement of Workforce Utilization Form is missing from the Project Manual?**
      i. Please reference page 214 in the Project Manual

   f. **Has the security vendor already been selected?**
      i. The work does not include security services.

   g. **Is the electrical contractor responsible for a turn key bid?**
      i. A valid lump sum bid must include all line times. We will not accept a bid on one line item.

   h. **Should potential bidders contact DOMI before we bid?**
      i. No, TranSystems will coordinate with DOMI to refresh the project with them. The awarded contractor will support TranSystems with the permit application.

   i. **Has the project been assigned a DOMI inspector?**
      i. Not at this time, however, TranSystems is in-progress of getting the person identified.

j. Will the vehicle barriers be removed from the scope?

i. The Truck Anti-Ram Bollards will remain in the scope. (Please indicate that Spec section 34 75 13, sheet 4 item 2.5 shall be removed from the project requirements)

k. **How will the signal control wiring be run?**

i. See drawing sheet D-3 for details. (Please reference attached ROW Improvement Plan)

l. Is the control box on the west lobby one wire and all self-contained?

i. See drawing Sheet D-3 for details, the exact product proposed by the bidder may require different cabling and must be coordinated if different that TranSystems Basis of design (or equal) product.

m. **What type of wiring will need to run west to east and back for traffic signal?**

i. See drawing Sheet D-3 for details, the exact product proposed by the bidder may require different cabling and must be coordinated if different that TranSystems Basis of design (or equal) product.

n. Will there be signage or arrow panels?

i. The Traffic Control Plans submitted to DOMI for ROW impacts is included in this response. (Please reference attached ROW Improvement Plan)

o. Are alternates possible for the bollards?

i. Bollards meeting the anti-ram performance specification must be bid on, different manufacturer offering the bollards meeting the specification and shallow foundation will be acceptable.

p. Has there been a manufacture specified for the bollards?

i. As identified in the specification the basis of design “equal to” is the Truckstopper K4 shallow mount by Tymetal Corporation. Different Manufacturer meeting the performance requirements is acceptable.

q. **How will the sidewalk concrete be cut and reinforced for installing the bollards?**

i. Size of the Bollard Foundation is defined by the manufacturer the contractor selects. The basis of design details are provided on drawing Sheet D-2 and indicates the specific re-enforcement requirements to support the anti-ram rating. Saw cut the coordinated and approved location of the bollard placement, remove depth as required by manufacture, install re-enforcement, and upright stoppers and pour concrete, finish and place cover over bollard.

r. Will there be road closures or sidewalk closures?

i. Staging Plans provided on drawing CS-1, included with this response is the ROW impact package prepared for DOMI that includes the MTP plans. (Please reference attached ROW Improvement Plan)

s. What type of coating will be needed on the sidewalks and crosswalks?

i. Sidewalks will be repaired to match existing finish. Crosswalks will receive thermoplastic updated pavement markings. The primary / main crosswalk shall receive raised thermoplastic with glass beads over the entire crosswalk area to provide enhanced visibility and feel.

t. What types of public access considerations will need to be made in the areas where the bollards will be installed outside of the east and west lobbies?

i. Contractor will have to provide separation between public and work areas when building is in use.

u. What is the estimated start and finish date of the project?

i. Estimated start in January/February 2021 after board approval, Completion by August 2021. Actual schedule to be provided by selected contractor.

v. What type of daily work schedule / hours will be set for the project?

i. To be coordinated between selected contractor and ASM Global.

w. If the signage plans for the detour/traffic control could be provided?

i. Please see the attached ROW Improvement Plan that was sent to DOMI and includes the traffic control plans.

x. What is the type of cabling required for the communications of the flashing rapid beacon system?

i. See drawing sheet D-3 for installation requirements.

y. Drawing QY-4 shows 13 bollards and QY-5 shows 19 bollards for a total of 32 bollards. However, the table on Drawing D-2 notes a required quantity of 44 bollards. Please specify the intended location of the additional 12 bollards?

i. Please see QY-1 for overview of all locations
   1. (19) at East Lobby
   2. (6) at ADA ramps of East Side
   3. (13) at West Lobby
   4. (6) at ADA ramps of West Side

z. **Drawing QY-3 and QY-5 show required installation of "bollards" or "anti-ram bollards" on each side of ADA ramps, appearing to be a total of 6 units. Will these also be "Equal to Truckstopper 3 K4 rated bollards by Tymetal Corporation"?**

i. There is a total of (12) for ADA ramps and these shall be the K4 Rated bollards.

aa. Page 34 75 13-4, Section 2.5 – Vehicle Barrier: It was discussed at the pre-bid meeting yesterday that this equipment/section had been removed from the original bid specification. Will this component be bid separately in a later bid specification?

i. This will be determined at a later time.

bb. The Notice to Bidders states that the location for bid is at the David L. Lawrence Convention Center - 1000 Ft. Duquesne Blvd., Pittsburgh, PA 15222

i. The location for the Bid is correct. It is the location for submission of the Bids.

cc. The Bid Form and instructions to Bidders state that bids shall be addressed to the Sports & Exhibition Authority – 171 10th Street, Pittsburgh, PA 1522 (2nd Floor).

i. The address for the Bid is correct. It is the address to be used on the Bid documents.

END OF QUESTIONS

Collective Efforts, LLC
Civil and Environmental Engineers

March 10, 2020

Michael Panzitta, Project Manager, Streets Division
Department of Mobility & Infrastructure, Bureau of Project Design and Delivery
City-County Building
414 Grant Street, Room 301
Pittsburgh PA 15219

Subject: Right-of-Way Improvement Permit Application
David L. Lawrence Convention Center Perimeter Security Enhancements Project
100 Fort Duquesne Boulevard, Pittsburgh, PA 15222

Dear Mr. Panzitta,

ASM Global intends to increase security at the perimeter of the David L. Lawrence Convention Center with traffic calming measures. An audit was performed by the Department of Homeland Security (DHS) and it was suggested by DHS that the perimeter of the David L. Lawrence Convention Center was vulnerable to attack on pedestrians on sidewalks during events and inside the convention center where storefront glass is present near roadway traffic.

As a part of this project, ASM Global intends to place anti-ram bollards and moveable planters within private sidewalks adjacent to the convention center. The planters being placed are to improve security and aesthetics, and the installation will not impact utilities or pedestrian traffic. Improved perimeter protection through traffic calming measures will involve the addition of speed humps, addition of speed hump pavement markings, installation of crosswalk signs, enhancement of existing crosswalk with textured walking surface, installation of planters in sidewalk, installation of 1" PVC conduit along the ceiling above the roadway, and the installation of perimeter bollards. Two speed hump signs are to be placed within City Right-of-Way. In order to maintain the Convention Center operations, comply with ADA requirements and meet the request of DHS, the bollards are placed at specific locations within private sidewalks. The work also includes the supply, installation, traffic control, permitting, and coordination with the City of Pittsburgh. Sidewalks adjacent to the David L. Lawrence Convention Center along 10th Street southbound and 10th Street northbound have recently been acquired by ASM Global from the City of Pittsburgh through Vacation of ROW legislature (see attached legislation and sketch). An encroachment permit for the signage being placed within City ROW within the project area is currently being obtained. All of the proposed improvements are depicted on the attached plans.

The project is to be completed in three phases. Phase 1 will include the closure of the David L. Lawrence Convention Center East Lobby, 10th Street North Drive Lane, and sidewalk. Phase 2 will include the closure of the David L. Lawrence Convention Center West Lobby, 10th Street South Drive Lane, and sidewalk. Phase 3 will include a full road and sidewalk closure with a detour in effect. Work is to include the installation of speed humps, and final signage and pavement markings and will only occur after hours.

462 Perry Highway, 2nd Floor Pittsburgh, Pennsylvania 15229 (412) 459-0114 (412) 459-0117 (fax)
email: info@collectiveefforts.com

If you have any questions regarding this project, please feel free to contact me at (412) 459-0114.

Sincerely,

Collective Efforts, LLC

Alexandria Maloney
Environmental Scientist

Encl: Right-of-Way Improvement Checklist
Project Narrative
Plans Set
Resolution – Vacation of Public ROW
SEA-Owned Sidewalks and Roads

CITY OF PITTSBURGH
DEPARTMENT OF MOBILITY AND INFRASTRUCTURE
BUREAU OF PROJECT DESIGN AND DELIVERY
RIGHT-OF-WAY IMPROVEMENT PLAN CHECKLIST

1st Submission

Transmittal cover sheet
One 24" x 36" set of plans
One 11" x 17" set of plans
Project narrative
CD, Thumb Drive, or FTP with Right-of-Way survey data in geo referenced CAD format

Subsequent Submissions

Transmittal cover sheet
One 24" x 36" set of plans
One 11" x 17" set of plans
Plan check comments from previous submission

Signed Plan Submission

Transmittal cover sheet
One 24" x 36" set of plans
CD, Thumb Drive, or FTP with signed plans in pdf format

As-Built Submission

Transmittal cover sheet
One 24" x 36" set of plans
CD, Thumb Drive, or FTP with as-built plans in pdf and geo-referenced CAD format

The following represents the minimum information required to advance plans for improvements to the public right-of -way through DPW review. Additional information may be required to obtain final signatures.

CITY OF PITTSBURGH
DEPARTMENT OF MOBILITY AND INFRASTRUCTURE
BUREAU OF PROJECT DESIGN AND DELIVERY
RIGHT-OF-WAY IMPROVEMENT PLAN CHECKLIST

COMPLETE **PROJECT NARRATIVE**

X		Project description	
N/A		*For commercial development*	
			Type of development
			Density of development (units, rooms, retail SF, parking spaces, etc.)
			Primary access points
			Loading operations (included dumpster areas)
N/A		*For Green Infrastructure*	
			Discussion of PWSA coordination and involvement
			Priority in terms of PWSA's Green First Plan
			Project benefits (i.e. volume reduction, flow reduction)
			Description of community engagement process including key stakeholders, number of public meetings, process for documenting community consensus
			Documentation of community support
			Coordination with affected property owners (when GI fronts private property, letters of approval/acceptance from owners is required)
			Discussion of pre and post construction monitoring program
			Detailed operation and maintenance plan in matrix form including columns for feature, inspection frequency, interventions, equipment, materials, labor hours, and cost
			Sources and uses for annual operation and maintenance; detailed back up is required for costs
N/A		*For public gathering spaces*	
			Responsible entity and funding source for operating, maintaining, and programming public space
			Sources and uses for annual operation, maintenance, and programming of public space
N/A		Construction phasing plan	
N/A		Description of legislative actions associated with the project	
X		Permitting (all relevant agencies), legislation, and construction schedule	
N/A		Technically Infeasible Form if compliant ramps cannot be constructed	
			Technically infeasible forms must be completed in their entirety with the first plan set submission.
			Technically infeasible forms are required when diagonal ramps are an existing or proposed condition.
			Cost estimates for the entire development including the cost to install bifurcated ramps must be certified by the engineer of record and submitted with the form.
			The technically infeasible form will be approved or denied by the Municipal Traffic Engineer.
N/A		Preliminary Autoturn analysis for loading zone(s), curb modification at intersections, and new streets - 8 1/2" x 11" exhibit(s)	
			Analyze a box truck for on site loading zone(s) and dumpster area.
			Analyze a fire truck on local neighborhood streets.
			Analyze an articulated bus on bus routes.
			Analyze a WB-50 in industrial or heavy commercial corridors.
N/A		ADT (when proposing GI or curb line modifications)	
N/A		Site distance - 8 1/2" x 11" exhibit(s)	
N/A		Clear site triangle - 8 1/2" x 11" exhibit(s)	
N/A		Statement describing how excavated materials comply with the PADEP Clean Fill Policy	

CITY OF PITTSBURGH
DEPARTMENT OF MOBILITY AND INFRASTRUCTURE
BUREAU OF PROJECT DESIGN AND DELIVERY
RIGHT-OF-WAY IMPROVEMENT PLAN CHECKLIST

COMPLETE **Title Sheet**

X		Official assigned City address
X		Owner (name, contact person, address, email, phone)
X		Civil Engineer (name, contact person, address, email, phone)
N/A		Surveyor (name, contact person, address, email, phone)
N/A		Traffic Engineer (name, contact person, address, email, phone)
X		Sheet index
X		Abbreviation list
X		City signature block
X		Location map with census tract number - Census Tract Number 201
X		Declaration of responsible charge statement

COMPLETE **Survey /Existing Conditions**

N/A		Date of Survey
N/A		Statement of vertical datum
N/A		Statement of horizontal datum
N/A		City of Pittsburgh monument (provide northing and easting - City coordinates and NAD83)
N/A		Two control points associated with or near the limits of work and referenced to the monument with distance and bearing
N/A		Ties from control points to curb and centerline stationing
N/A		Ties to property corners (for commercial development)
N/A		Alignment with complete horizontal curve data (for new streets)
N/A		Proposed survey monuments (for new streets)

CITY OF PITTSBURGH
DEPARTMENT OF MOBILITY AND INFRASTRUCTURE
BUREAU OF PROJECT DESIGN AND DELIVERY
RIGHT-OF-WAY IMPROVEMENT PLAN CHECKLIST

COMPLETE **BASIC INFORMATION**

Basic Information is to be shown on ALL sheets and labeled as appropriate.

X		North arrow, oriented "up" and/or to the left
X		Standard bar scale (1"=10', 1"=20', 1"=30', or 1"=40')
X		Legend
X		Date of plan set
X		Plot stamp
X		Key map (on each sheet in the event plan set is separated)
X		Engineer's seal (licensed in the state of Pennsylvania)
X		Street name(s)
X		Right-of-Way (clearly labeled and properly dimensioned)
X		Existing and/or proposed property lines (with northing and easting)
X		Existing and/or proposed building lines
N/A		Existing and/or proposed building access when the building lines are at the R-o-W line
X		Existing and/or proposed curb lines
N/A		Existing and/or proposed curb cuts
X		Existing and/or proposed sidewalks
X		Existing and/or proposed ADA curb ramps
N/A		Existing and/or proposed fire hydrants
X		Existing and/or proposed light, utility and signal poles
X		Existing and/or proposed signal equipment (at grade and pole mounted)
X		Existing and/or proposed crosswalk striping
N/A		Existing and/or proposed street tree pits
N/A		Existing and/or proposed kiosks (parking, newspapers)
N/A		Existing and/or proposed inlets, catch basins, and manholes
N/A		Existing and/or proposed street furnishings (benches, receptacles, bike racks)
X		Existing and/or proposed encroachments (steps, vaults, cafes)
N/A		Flood plain
X		POCS number
X		DPW review box near the title block on all sheets except Title Sheet

Architectural, mechanical, electrical, plumbing, and HVAC features should NOT be shown on ANY plans.

PWSA Tap In and Termination Plans will NOT be accepted as a submission.

CITY OF PITTSBURGH
DEPARTMENT OF MOBILITY AND INFRASTRUCTURE
BUREAU OF PROJECT DESIGN AND DELIVERY
RIGHT-OF-WAY IMPROVEMENT PLAN CHECKLIST

COMPLETE **RIGHT OF WAY IMPROVEMENT PLAN**

X		Limits of construction	
N/A		Existing and/or Proposed Easements	
N/A		Dimension curb cuts for the entire width and throat	
X		Dimension sidewalk	
			Minimum sidewalk width is 6 FT
N/A			*If a landscaped buffer exists between curb and sidewalk, width may be reduced to 5 FT*
			Multiple dimensions are required for sidewalks of varying widths
N/A			*All pinch points must be dimensioned (i.e. Tree pits, poles, cafe areas)*
X		All doorways exiting onto sidewalk	
N/A		Maintain consistent curb lines through intersection on near and far sides	
N/A		Dimension curb radii	
N/A		Differentiate between full and depressed curb	
N/A		Dimension curb extension(s)	
			Curb extensions should be landscaped to increase visibility
			Curb extensions shall not protrude more than 6 FT into the cart way
			Minimum radii on curb extensions is 20 FT at intersection
			Minimum interior curb radii is 3 FT
X		Different hatches for each type of surface material proposed (i.e. Concrete, asphalt, landscape, etc.)	
N/A		Label on-site loading zone(s)	
N/A		Label on-site dumpster location(s)	
X		Bollards (if applicable)	
X		ADA curb ramp(s) as they will be constructed	
X		4 FT x 4 FT minimum clear space within crosswalk and outside of travel lanes (if diagonal ramp has been approved by Mobility Engineer)	
N/A		Existing and/or proposed retaining walls (if applicable)	
N/A		Existing and/or proposed guiderail (if applicable)	
X		Site construction notes	

COMPLETE **UTILITY PLAN** - N/A

		Existing and/or proposed utility easements
		Existing and/or proposed utility main lines
		Existing and/or proposed utility connections
		Utility construction notes

CITY OF PITTSBURGH
DEPARTMENT OF MOBILITY AND INFRASTRUCTURE
BUREAU OF PROJECT DESIGN AND DELIVERY
RIGHT-OF-WAY IMPROVEMENT PLAN CHECKLIST

COMPLETE **GRADING AND DRAINAGE PLAN** - N/A

		Existing and proposed contours at 1 FT intervals
		Existing and proposed spot elevation which adequately show drainage patterns
		Proposed inlets and catch basins (at existing and created low spots)
		Existing and/or proposed stormwater tap into public sewer
		Label slopes greater than 25% (H:V)
		Existing and/or proposed retaining walls (if applicable)
		Existing and/or proposed guiderail (if applicable)
		Proposed maintenance easements (i.e. for steep slopes, GI, retaining walls)
		Grading and drainage construction notes

COMPLETE **CURBLINE PROFILES** - N/A

		Stationing of curb
		Orient profile to stationing
		Clearly labeled existing and/or proposed grade
		note if proposed will be constructed to (i.e. match) existing
		Gutter and reveal clearly indicated
		Existing and/or proposed driveways
		Existing and/or proposed curb ramps
		Existing and/or proposed inlets and/or catch basins

COMPLETE **STREET PROFILES** - N/A

required for repaving, reconstruction, and new streets

		Centerline stationing of street
		Orient profile to stationing
		Clearly labeled existing and/or proposed grade
		note if proposed will be constructed to (i.e. match) existing
		Intersecting gradients
		Complete vertical curve data (for reconstruction and new streets)
		Existing and/or proposed utilities
		Intersecting streets

COMPLETE **STREET CROSS SECTIONS** - N/A

		Correlate to centerline stationing of street
		Label station
		Entire right-of-way width plus 5 FT on each side
		Sections at 25 FT intervals
		Existing and/or proposed utilities
		Cross slopes
		Existing and/or proposed encroachments (i.e. foundations, fences, retaining wall, guiderail, etc.)

CITY OF PITTSBURGH
DEPARTMENT OF MOBILITY AND INFRASTRUCTURE
BUREAU OF PROJECT DESIGN AND DELIVERY
RIGHT-OF-WAY IMPROVEMENT PLAN CHECKLIST

COMPLETE **LANDSCAPING PLAN** - N/A

		Existing natural vegetation	
		Existing trees with diameter at breast height	
		Existing and/or proposed hardscape	
		Proposed plant schedule	
			plant symbol and code
			plant name (botanical and common)
			quantity
			size
			spacing
		Construction details and notes (including staking)	
		Inspection and maintenance schedule (in tabular form)	
			frequency
			deficiency
			intervention
			contact person for responsible party

COMPLETE **LIGHTING PLAN** - N/A

		Location and type of existing and/or proposed fixtures
		Location and type of existing and/or proposed poles
		Photometric report (to scale on plan)
		Dimensioned pole heights and widths (including base)
		Lighting schedule (including key, number/type of fixtures, and wattage)
		Construction details and notes

TRAFFIC SIGNAL PLAN
Must conform to PennDOT Publication 149
Scale: 1" = 20'

COMPLETE **MAINTENANCE AND PROTECTION OF TRAFFIC (MPT)**

An MPT plan is not required for projects that consist of only utility connections. In that case PennDOT Publication 213 standard PATA figures may be used. Detour plan be shown on a separate sheet for clarity.

N/A		Pedestrian routes through the construction zone
N/A		Locations of temporary access to buildings
N/A		Details temporary access to buildings
N/A		Temporary ADA ramps (if applicable)
X		Signage with adequate detail to ensure signs are compliant with MUTCD and PennDOT Publication 236
N/A		Temporary traffic signal plan (if applicable)
X		City standard notes for MPT

CITY OF PITTSBURGH
DEPARTMENT OF MOBILITY AND INFRASTRUCTURE
BUREAU OF PROJECT DESIGN AND DELIVERY
RIGHT-OF-WAY IMPROVEMENT PLAN CHECKLIST

COMPLETE **SIGNAGE AND PAVEMENT MARKING PLAN**

X		Signage in accordance with PennDOT Publication 236 and the MUTCD
X		Details for special signage, street name blades, and City of Pittsburgh standard parking signs
N/A		Signage location by station
X		Existing signage to be removed and to remain
X		Regulatory signs (intersection control, speed limits), warning signs (pedestrian crossing,
N/A		50 feet of contiguous roadway striping beyond the project limits to ensure consistency
X		Label pavement markings color and width
N/A		Label pavement markings with begin/end points by station offset
N/A		Label pavement marking transitions
X		Construction details and notes

COMPLETE **SITE AND DRAINAGE DETAILS** - N/A

		Pavement cross sections including material specifications
		Curbs
		Curb ramps
		City standard street furnishings
		GI details and cross sections including material and permanent maintenance specifications

City standard street furnishings
Trash receptacle: Victor Stanley SD-42
Recycling receptacle: Victor Stanley SD-242
Receptacle lids: Rain bonnet
Bench (with center arm rest): RB-28 or backless RB-12
Ornamental fence: Ameristar Majestic, black finish
Bike rack: Dero heavy duty loop rack, galvanized with black PVC dip finish

OTHER REQUIRED INFORMATION - N/A

		Maintenance Agreement if landscaping within public right-of-way in non-standard
		Access and License Agreement if private property is needed to maintain a minimum 5 FT wide sidewalk

CITY OF PITTSBURGH
DEPARTMENT OF MOBILITY AND INFRASTRUCTURE
BUREAU OF PROJECT DESIGN AND DELIVERY
RIGHT-OF-WAY IMPROVEMENT PLAN CHECKLIST

DECLARATION OF RESPONSIBLE CHARGE

I hereby declare that I am the Engineer of Record for this project, that I have exercised responsible charge over the design of the project, and that the design is consistent with current standards.

I understand that the check of project drawings and specifications by the City of Pittsburgh is confined to a review only and does not relieve me, as Engineer of Record, of my responsibilities for project design.

Date	**License No.**	**Signature**

DPW REVIEW BOX

Checked by:	
Date:	

CONTACTS

Plan Submissions

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414 Grant Street, Room 301
Pittsburgh, PA 15219
412.255.0816
michael.panzitta@pittsburghpa.gov

Pre Review Meetings

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Pittsburgh, PA 15219
412.255.2472
carrie.brand@pittsburghpa.gov

Collective Efforts, LLC
Civil and Environmental Engineers

March 10, 2020

Subject: Project Description
Right-of-Way Improvement Plan Checklist
City of Pittsburgh – Department of Mobility and Infrastructure

Project Name: David L. Lawrence Convention Center – Security Upgrades
1000 Ft. Duquesne Boulevard, Pittsburgh, PA 15222

Project Description:

ASM Global intends to increase security at the perimeter of the David L. Lawrence Convention Center with traffic calming measures. An audit was performed by the Department of Homeland Security (DHS) and it was suggested by DHS that the perimeter of the David L Lawrence Convention Center was vulnerable to attack on pedestrians on sidewalks during events and inside the convention center where storefront glass is present near roadway traffic. ASM Global (the convention center management group) released a request for quotation for security engineers to investigate the feasibility to improve the perimeter protection to mitigate the concerns identified in the DHS Audit. The TranSystems team was selected to design a solution within the budget allocation to address these risks.

Improved perimeter protection through traffic calming measures will involve the addition of speed humps, addition of speed hump pavement markings, installation of crosswalk signs, enhancement of existing crosswalk with textured walking surface, installation of planters in sidewalk, installation of 1" PVC conduit along the ceiling above the roadway, and the installation of perimeter bollards. Two speed hump signs are to be placed within City Right-of-Way. In order to maintain convention center operations, comply with ADA requirements and meet the request of DHS, the bollards are placed at specific locations within the project area. Planters are to be placed by the David L. Lawrence Convention Center within the privately owned sidewalks adjacent to the building. The work also includes the supply, installation, traffic control, permitting, and coordination with the City of Pittsburgh. Encroachment permits for the signage within City ROW are currently being obtained.

The project is to be completed in three phases. Phase 1 will include the closure of the David L. Lawrence Convention Center East Lobby, 10th Street North Drive Lane, and sidewalk. Phase 2 will include the closure of the David L. Lawrence Convention Center West Lobby,

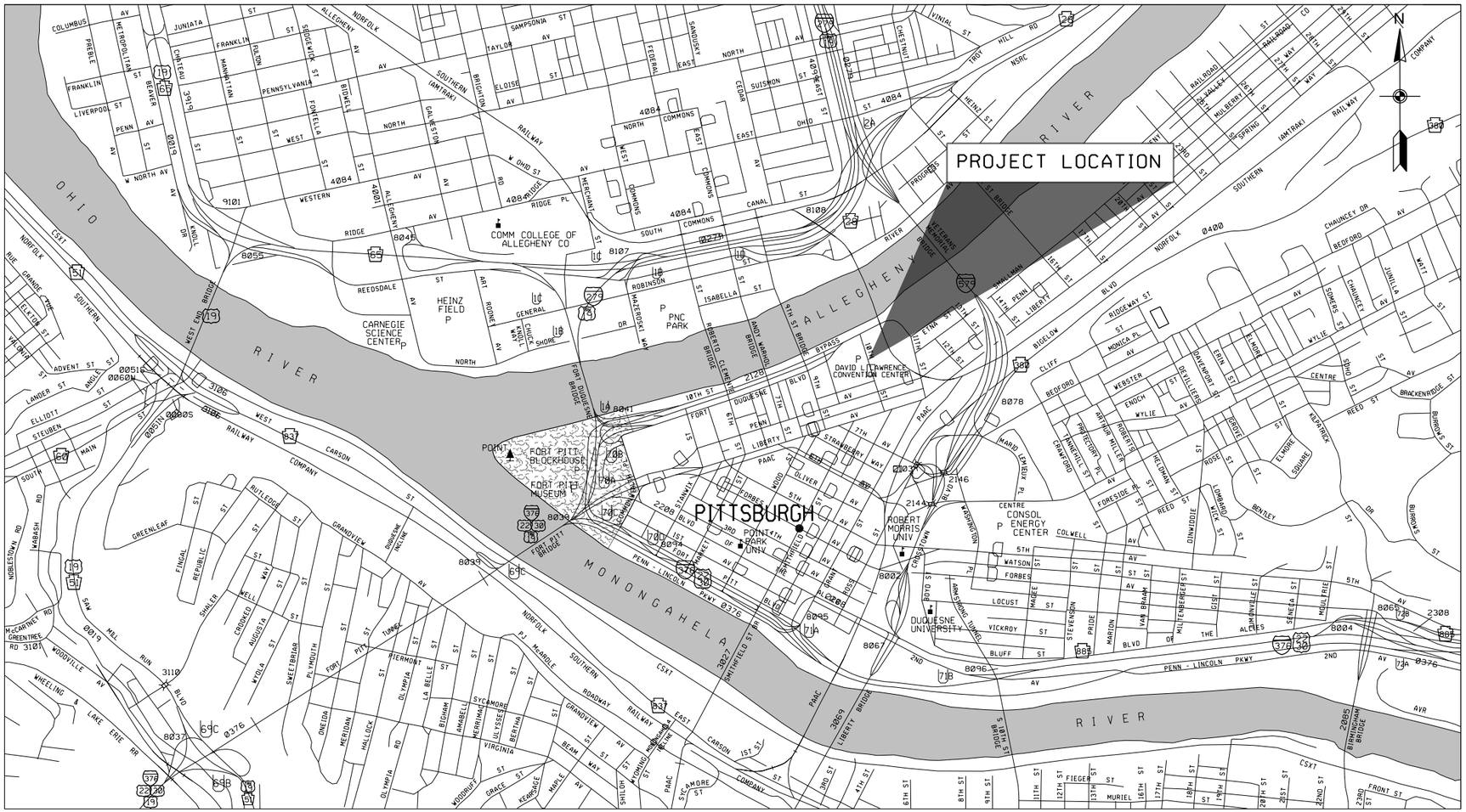
462 Perry Highway, 2nd Floor Pittsburgh, Pennsylvania 15229 (412) 459-0114 (412) 459-0117 (fax)
email: info@collectiveefforts.com

10th Street South Drive Lane, and sidewalk. Phase 3 will include a full road and sidewalk closure with a detour in effect. Work is to include the installation of speed humps, and final signage and pavement markings and will only occur after hours.

SHEET INDEX

DESCRIPTION	SHEET(S)
COVER PAGE AND LOCATION MAP	C-1
SHEET INDEX LAYOUT	QY-1
PLAN SHEETS	QY-2 - QY-5
TYPICAL DETAILS	D-1 - D-2
PEDESTRIAN SIGNAL RAPID FLASHING SYSTEM	D-3
RUBERIZED SPEED HUMP DETAIL	D-4
CONSTRUCTION STAGING	CS-1

DRAWINGS
FOR
REQUEST FOR BID
OF
DAVID L. LAWRENCE CONVENTION CENTER
PERIMETER SECURITY ENHANCMENT
IN ALLEGHENY COUNTY



TranSystems
603 STANWIX STREET
TWO GATEWAY CENTER
PITTSBURGH, PA 15222
412-402-4800

CONSULTANTS

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COSMOS TECHNOLOGIES
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D: 412-325-6179
E: GDEFAZIO@PITTSBURGHCC.COM

1000 FORT DUQUESNE BOULEVARD
PITTSBURGH, PA 15222

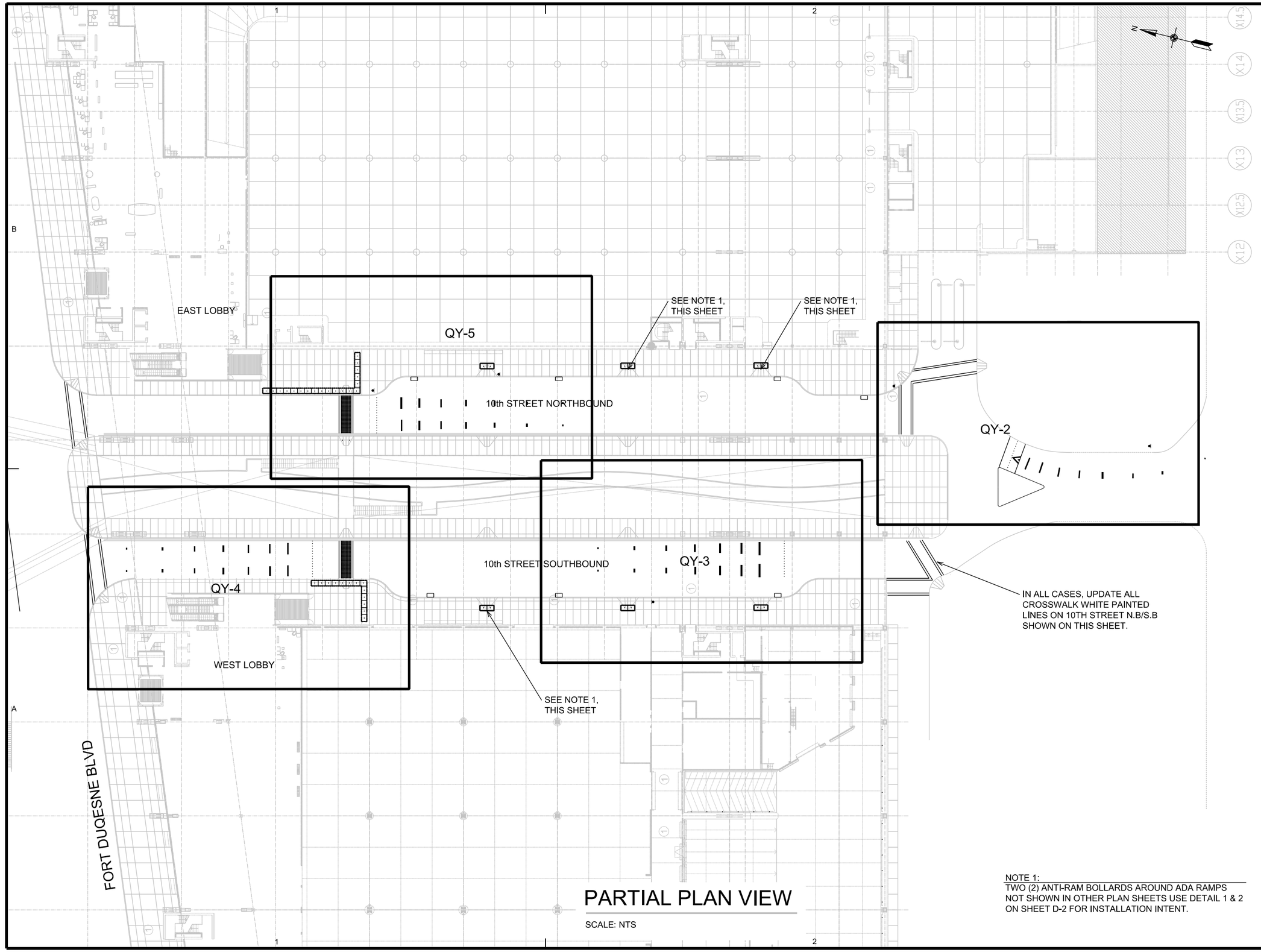
MARK	DATE	DESCRIPTION
1	02/15/2020	BID PACKAGE

PROJ NO:	P705190023
SCALE:	AS NOTED
DATE:	DEC, 2019
DESIGNED BY:	TGL
DRAWN BY:	TJS
CHECKED BY:	REP

SHEET TITLE

COVER PAGE AND LOCATION MAP

C-1



PARTIAL PLAN VIEW

SCALE: NTS

NOTE 1:
TWO (2) ANTI-RAM BOLLARDS AROUND ADA RAMPS NOT SHOWN IN OTHER PLAN SHEETS USE DETAIL 1 & 2 ON SHEET D-2 FOR INSTALLATION INTENT.

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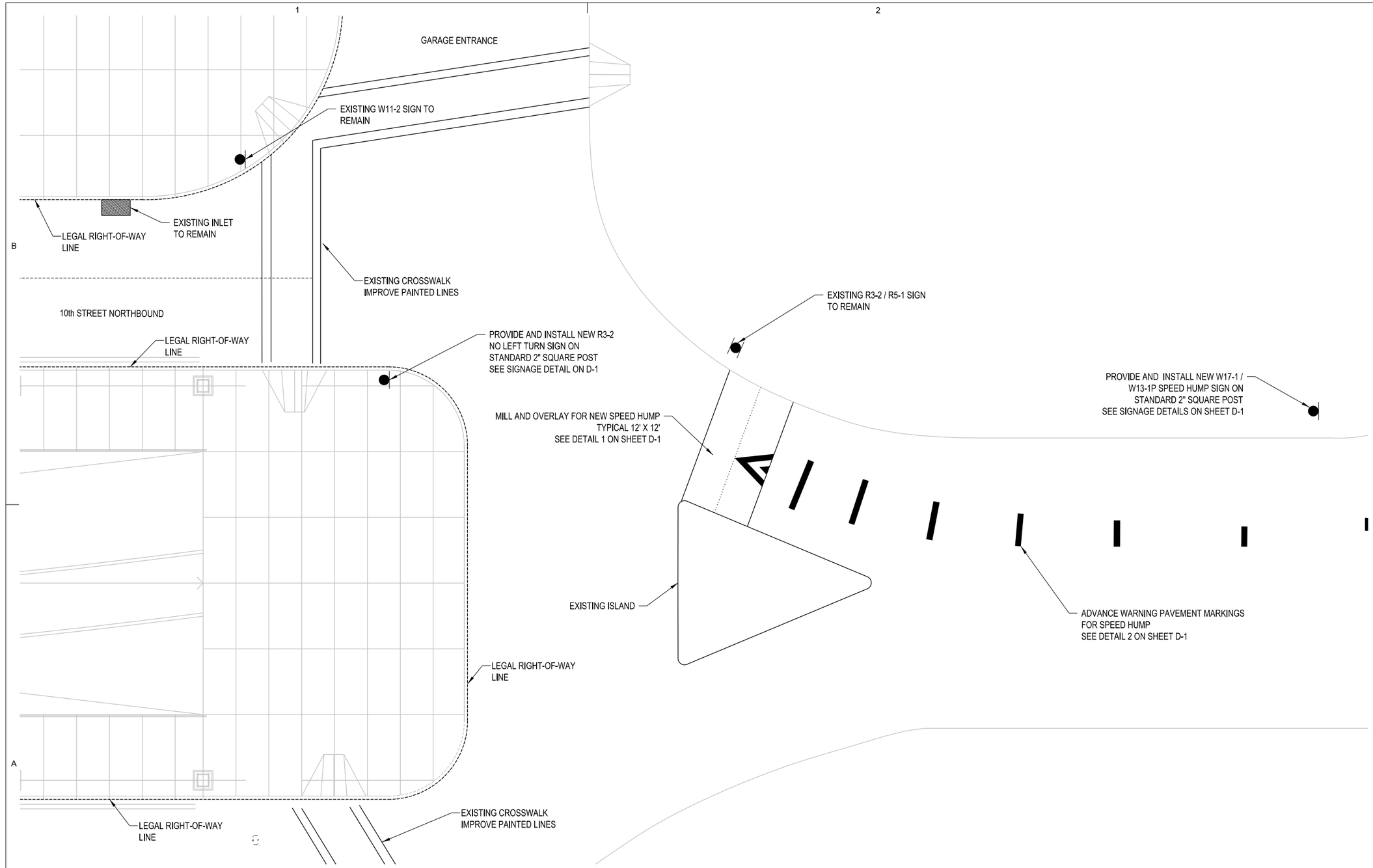
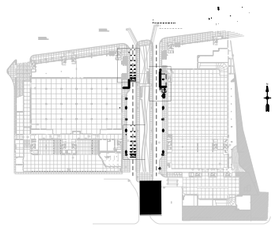
SHEET INDEX LAYOUT
PERIMETER SECURITY

QY-1





KEY PLAN

0 15 30 45
SCALE FEET
1" = 15'

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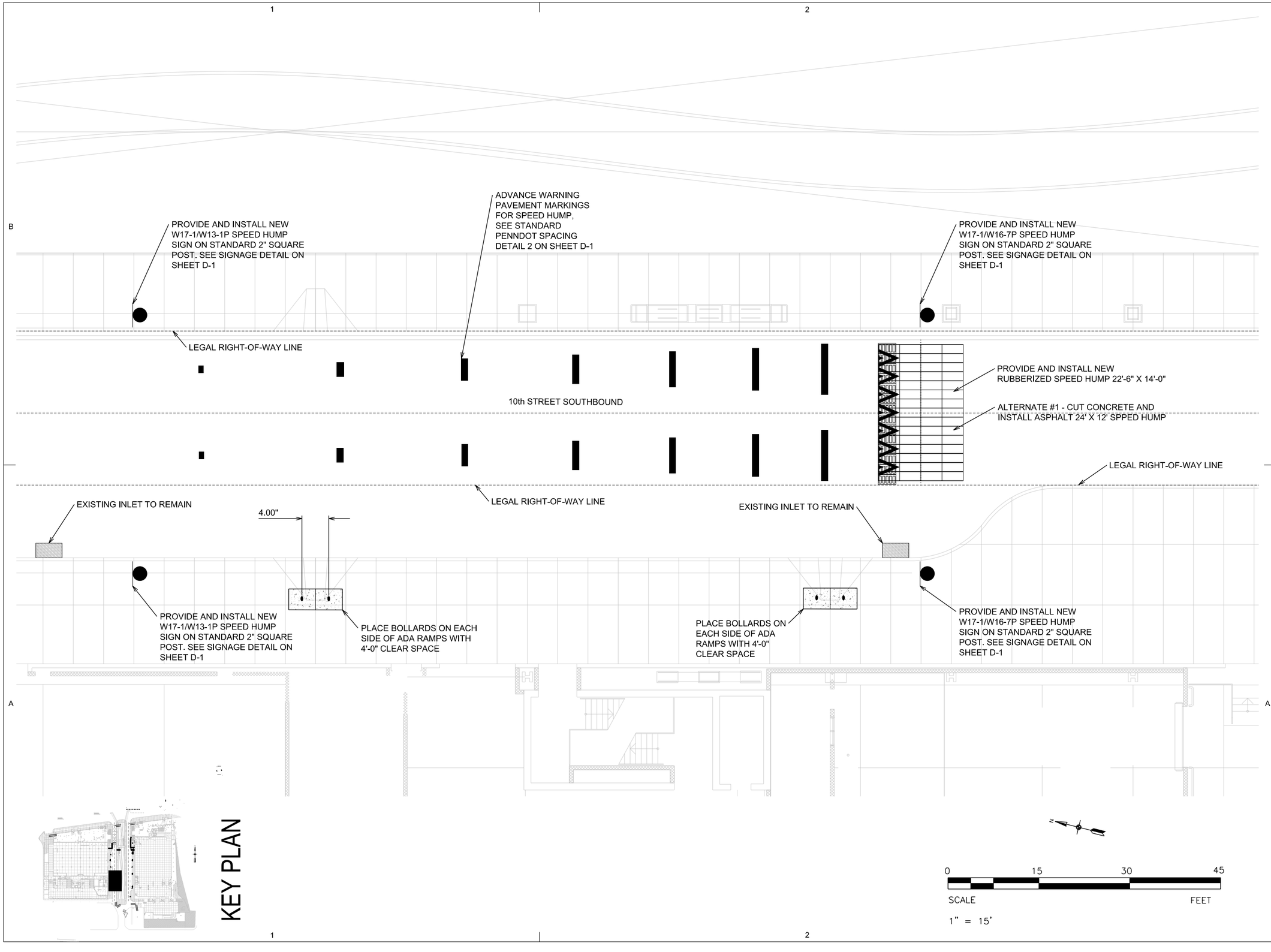
SHEET TITLE

PARTIAL GROUND LEVEL VIEW
PERIMETER SECURITY LAYOUT

QY-2



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SCALE FEET

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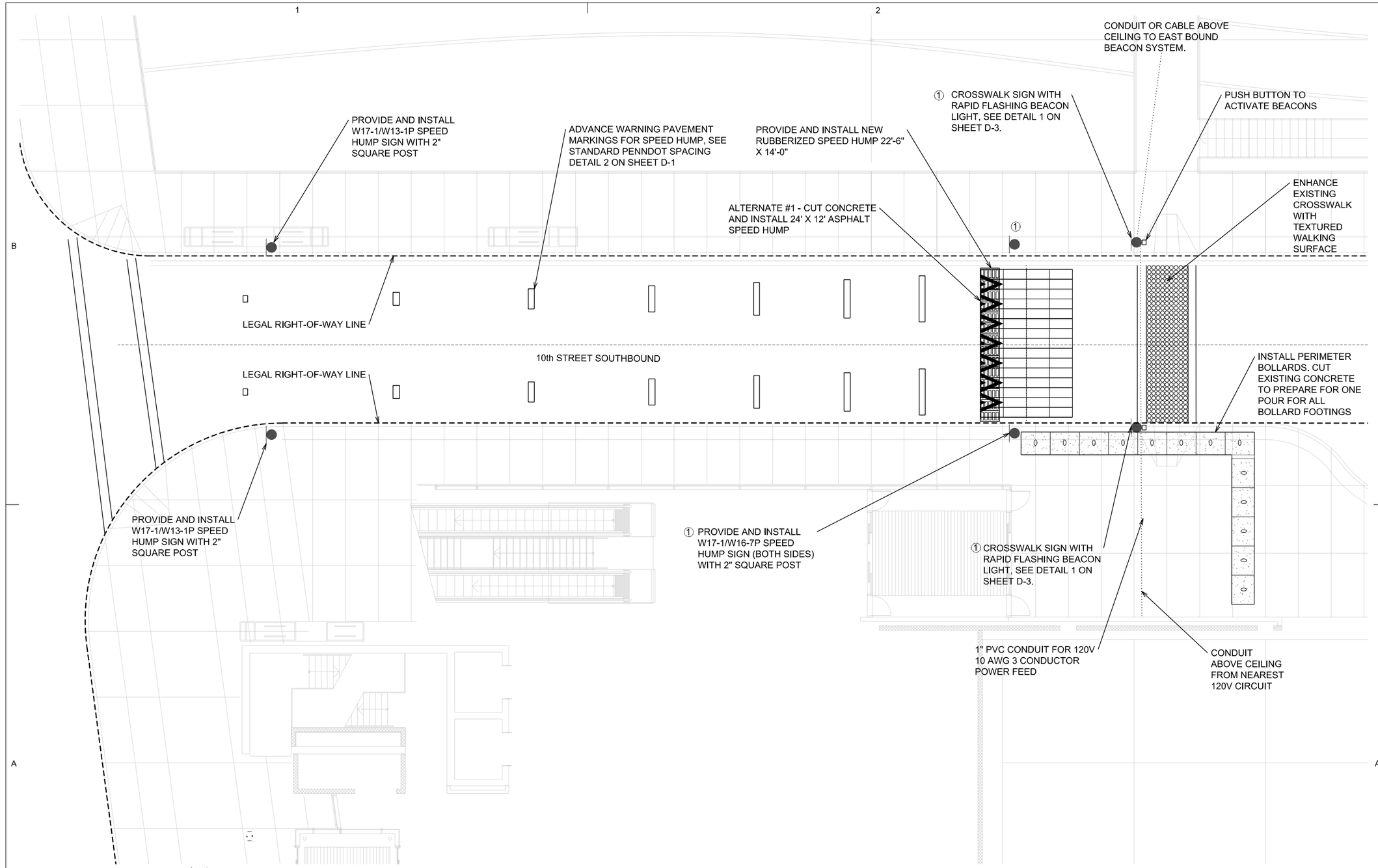
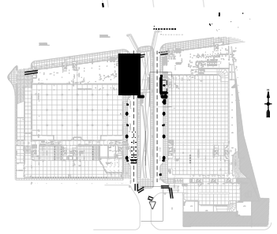
SHEET TITLE

PARTIAL GROUND LEVEL VIEW
PERIMETER SECURITY LAYOUT

QY-3





KEY PLAN

NOTES:

① SPEED HUMP SIGN WILL BE OBSTRUCTING THE CROSSWALK BEACON SIGNAGE. COORDINATE WITH THE CITY ON POSSIBLE CONSOLIDATION/VARIANCE OF THE STANDARDS

0 15 30 45

SCALE FEET

1" = 15'

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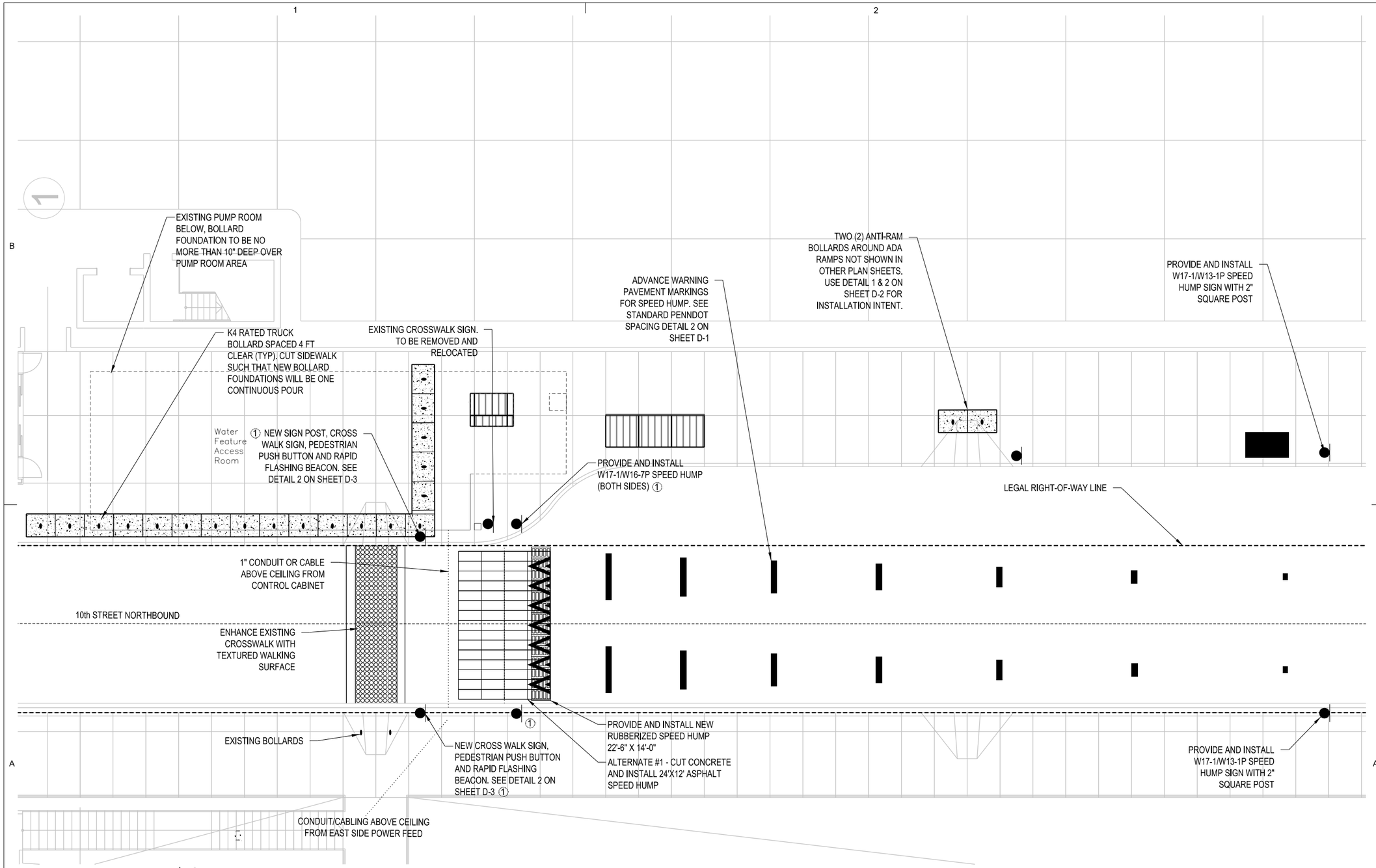
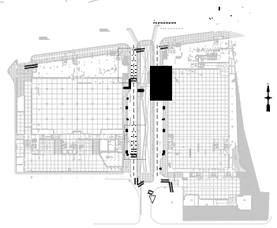
SHEET TITLE

PARTIAL GROUND LEVEL VIEW
PERIMETER SECURITY LAYOUT

QY-4





KEY PLAN

NOTES:

① CROSSWALK BEACON SIGNAGE SIGN WILL BE OBSTRUCTING THE SPEED HUMP SIGN. COORDINATE WITH THE CITY ON POSSIBLE CONSOLIDATION/VARIANCE OF THE STANDARDS

0 15 30 45

SCALE FEET

1" = 15'

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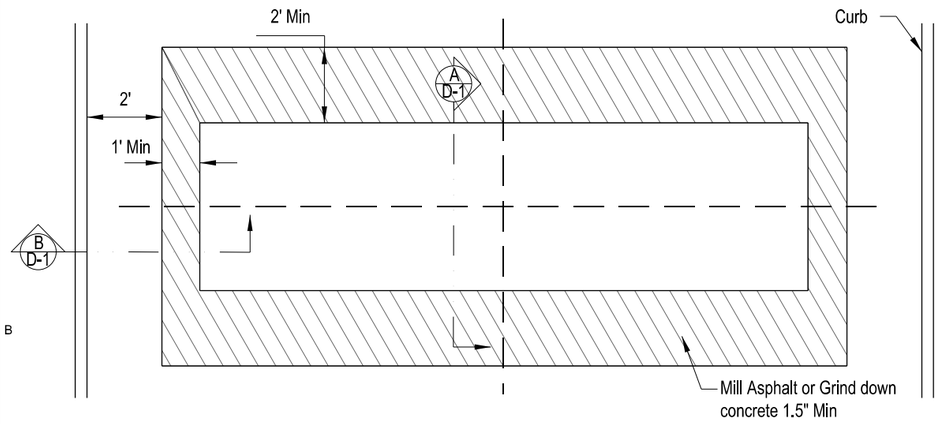
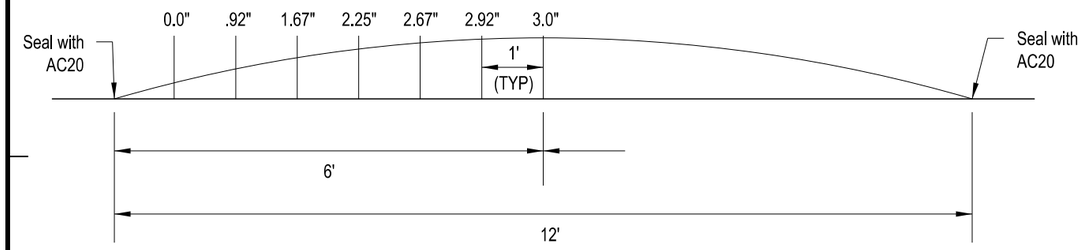
SHEET TITLE

PARTIAL GROUND LEVEL VIEW PERIMETER SECURITY LAYOUT

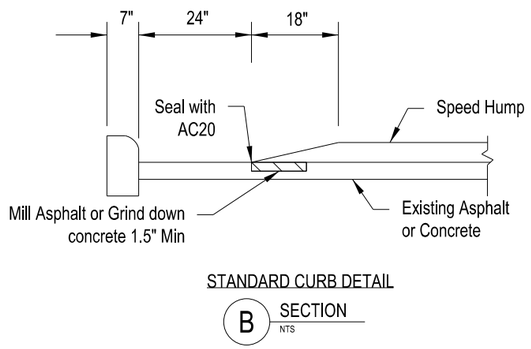
QY-5



SPEED HUMP PLAN VIEW



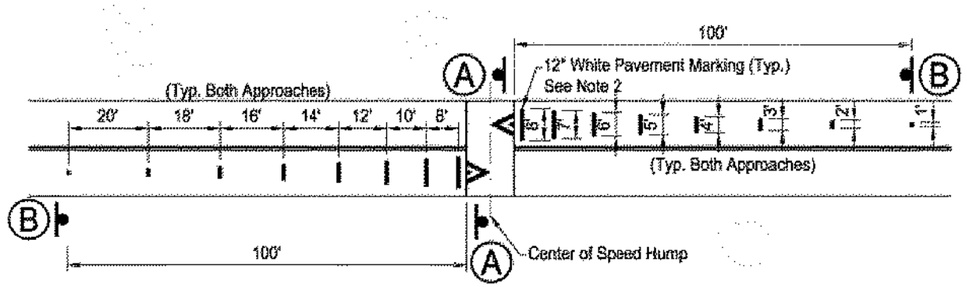
A SPEED HUMP SECTION VIEW
NTS



STANDARD CURB DETAIL

B SECTION
NTS

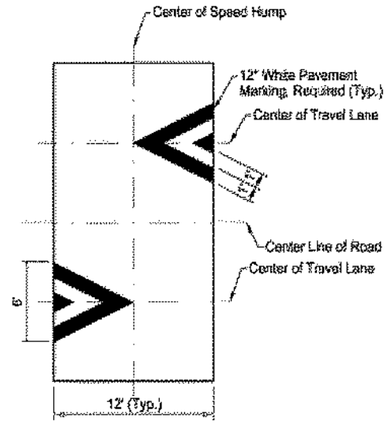
1 D-1 SPEED HUMP CONSTRUCTION DETAIL
SCALE: NTS



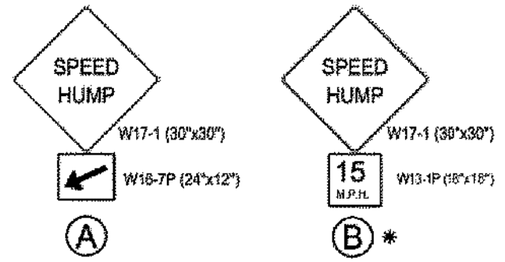
Signing and Pavement Marking Plan
Scale: N.T.S.

NOTES:

1. IF MORE THAN ONE SPEED HUMP IS INSTALLED, INSTALL SIGN B ON EITHER APPROACH TO THE SERIES OF HUMPS.
2. LEADING EDGE SPEED HUMP PAVEMENT MARKINGS ARE REQUIRED ON EACH SPEED HUMP. ADVANCED WARNING PAVEMENT MARKINGS ARE OPTIONAL.



Leading Edge Speed Hump
Pavement Marking Detail
Scale: N.T.S.



Signage Details
Scale: N.T.S.

2 D-1 TYPICAL ADVANCE WARNING MARKING FOR SPEED HUMPS OR OTHER ENGINEERED VERTICAL ROADWAY DEFLECTIONS
SCALE: NTS

SPEED HUMP BASE BID DESCRIPTION:
PROVIDE THREE (3) RUBBERIZED SPEED HUMPS ON CONCRETE ROADWAY AS DETAILED ON SHEET D-4 AND NOTED ON PROJECT PLAN SHEETS. PREPARE AND INSTALL ONE ASPHALT SPEED HUMP ON ASPHALT ROADWAY AS DETAILED ON SHEET D-1 AND SHOWN ON SHEET QY-1.

SPEED HUMP ALTERNATE #1 BID DESCRIPTION:
PROVIDE COST DIFFERENCE TO CUT AND PREPARE AND INSTALL THREE (3) ASPHALT SPEED HUMPS ON CONCRETE ROADWAY AS DETAILED ON SHEET D-1 AND NOTED ON PROJECT PLAN SHEETS. PREPARE AND INSTALL ONE ASPHALT SPEED HUMP ON ASPHALT ROADWAY AS DETAILED ON SHEET D-1 AND SHOWN ON PLANS.

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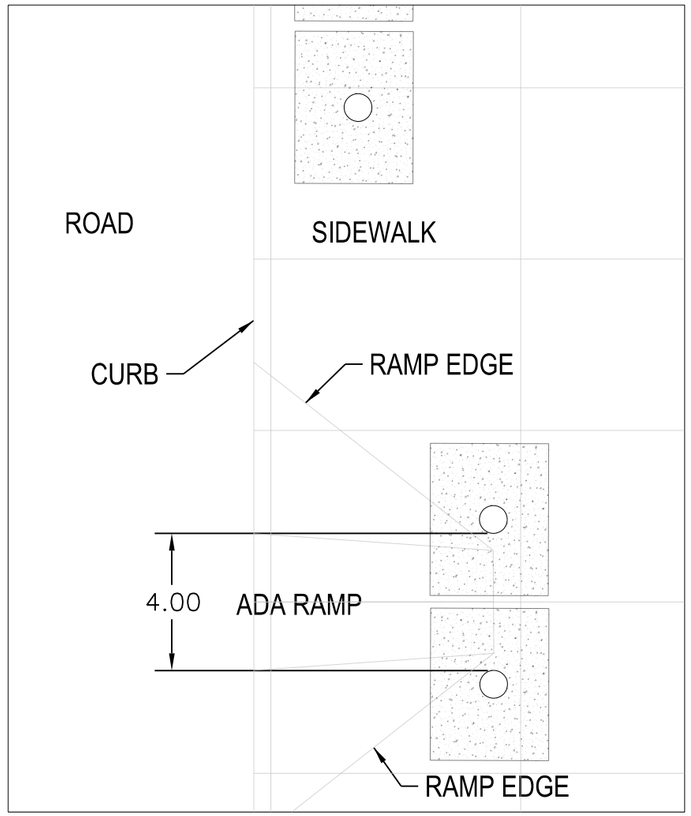
SHEET TITLE

TYPICAL DETAILS
SHEET 1 OF 2

D-1



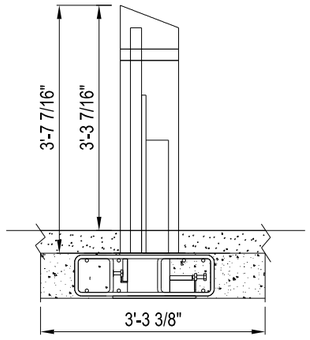
1 D-2 TYPICAL BOLLARD LAYOUT AROUND EXISTING ADA RAMPS

SCALE: NTS

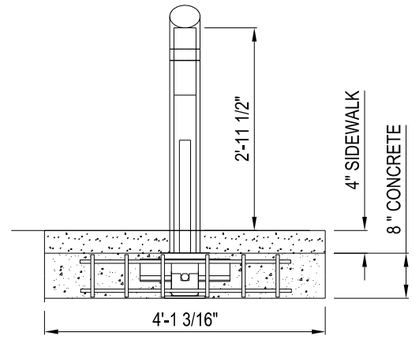
Description	Qty	UoM
Bollard SS Slanted Top K4-Truck (includes Foundation)	44	EA
12" White Hot Thermoplastic Pavement Markings	513	LF
Textured Crosswalk	305	SF
Pedestrian Crosswalk Sign and Beacon 120V Posts	4	EA
Speed Hump Mill / Overlay Asphalt 24 x 12	1	EA
Speed Hump Rubber 14' x 22.5' x 3" ***	3	EA
Speed Hump Sign W17-1 with W13-1P	7	EA
Speed Hump Sign W17-1 with W16-7P	6	EA
No Left Turn Sign R3-2	1	EA
Traffic Control Measures	1	LS

***Alternate #1 - Asphalt on concrete base

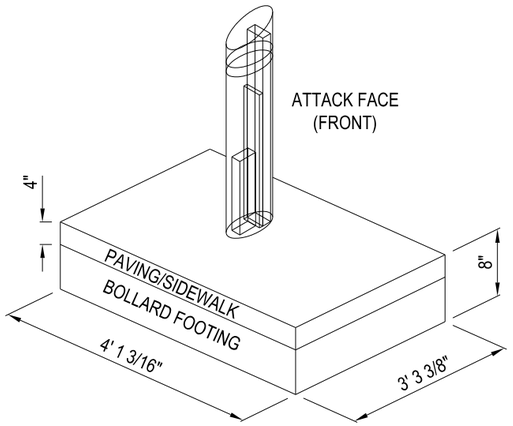
3 D-2 BASE BID ITEMS



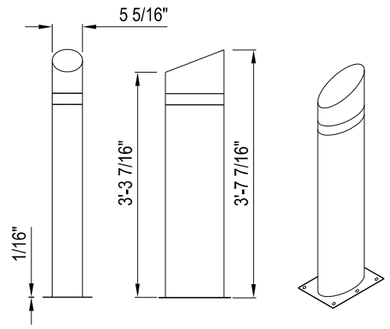
SIDE ELEVATION



FRONT ELEVATION



ISOMETRIC VIEW



COVER DETAILS

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. WHERE FOUNDATIONS ARE LESS THAN 12", POUR CONCRETE AS A CONTINUOUS POUR, TIEING MULTIPLE BOLLARDS FOUNDATION TOGETHER

2 D-2 ANTI-RAM BOLLARD DETAIL

R3-2
24" x 24"

4 D-2 TYPICAL NO LEFT TURN SIGN DETAIL

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SHEET TITLE

TYPICAL DETAILS
SHEET 2 OF 2

D-2

GENERAL NOTES

1. PEDESTRIAN CROSSING SIGNS (MUTCD W11-2) EXIST AND SHALL BE REMOVED AND RELOCATED TO NEW POLES. RE-USE SIGNS ON NEW 4.5" ROUND POSTS AT LOCATIONS SHOWN. ENHANCE CROSSING VISIBILITY BY ADDING A REACTANGULAR FLASHING BEACON AND CONTROL CABINET TO POST.
2. ADD A PEDESTRIAN SIGNAL ACTIVATION BUTTON TO NEW POST BEACONS AT THE LOCATIONS SHOWN IN DRAWINGS.
3. COORDINATE WITH FACILITY ELECTRICIAN FOR ROUTING OF 1" CONDUIT ABOVE CEILING FROM NEAREST 120V 10AMP CIRCUIT IN APPROVED POWER PANEL. COORDINATE INSTALLATION OF TRUCK BOLLARDS AND UPDATED TEXTURED CROSSWALK FOR TRAFFIC CONTROL AND ROUTING OF CONDUIT.
4. CONTROL CABINET ENCLOSURE SHALL BE SIZED BY THE RFB MANUFACTURER.
5. RRFB DISPLAYS SHALL BE LED TYPE MEETING THE INTENSITY REQUIREMENTS OF SAE J595 FOR CLASS 1 YELLOW, BUT SHALL NOT EXCEED 1000 CANDELAS DURING DAYLIGHT AND 500 CANDELAS AFTER DARK.

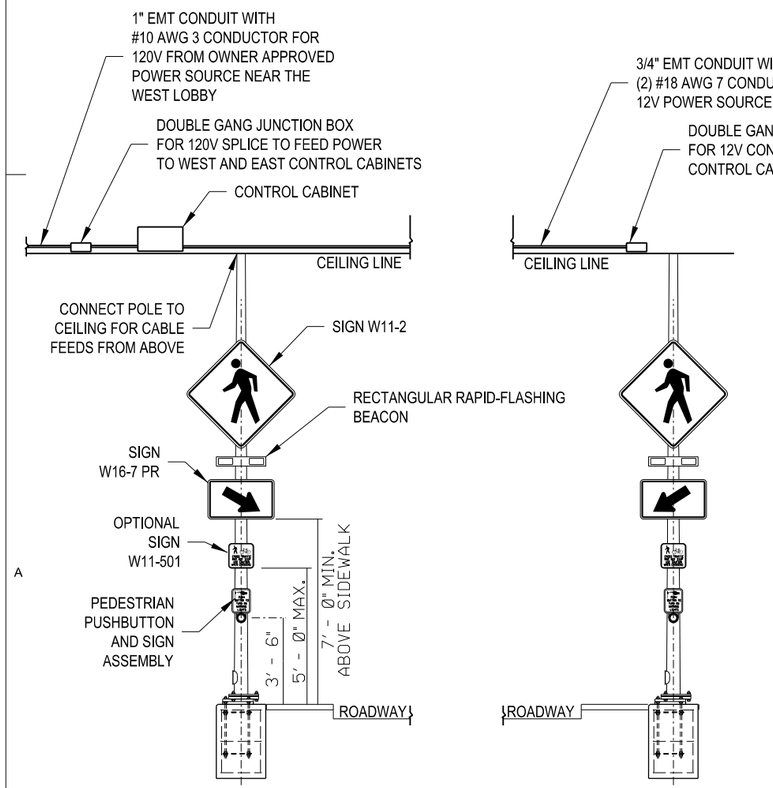
PEDESTRIAN CROSSWALK SYSTEM CONFIGURATION

BASE BID EQUAL TO: TAPCO PEDESTRIAN CROSSWALK SOLUTIONS AS FOLLOWES:

*(1) 2180 SYSTEM CONSISTS OF 2 POLES WITH CONTROL CABINET, SINGLE SIDED SIGN (ON EACH POST), FALSHING BEACON AND PEDESTRIAN PUSH BUTTON ON EACH POLE. BASE BID SHALL HAVE A TOTAL OF (2) SYSTEMS, ONE ON THE EAST SIDE AND THE SECOND ON THE WEST SIDE OF THE MAIN CROSSWALK AS SHOWN.

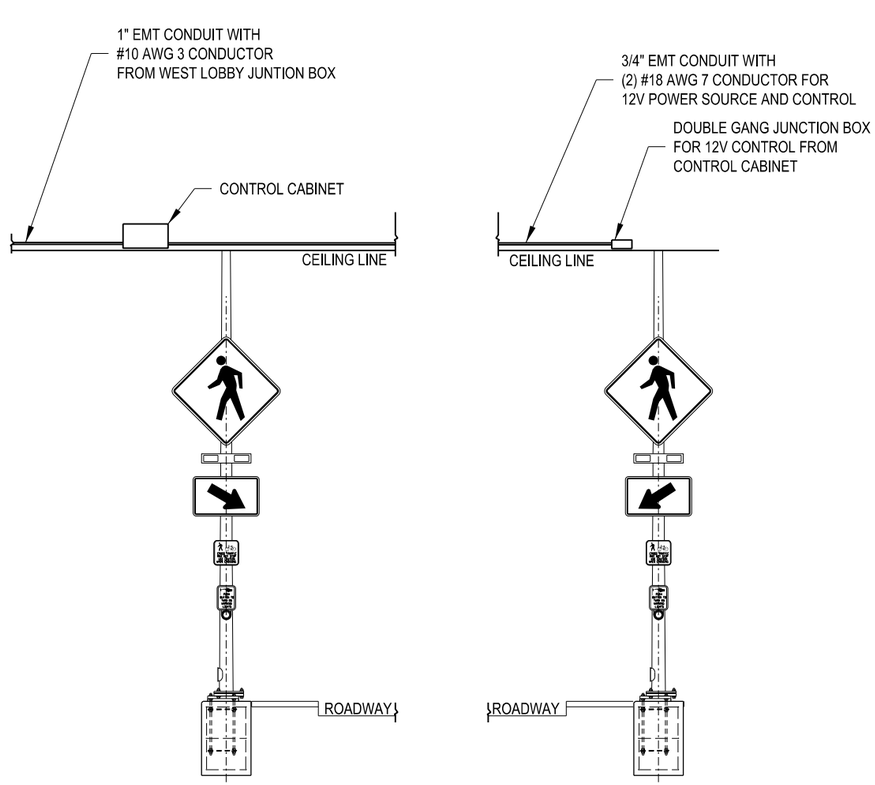
** CONTRACTOR SHALL VERIFY THE BELOW CONFIGURATION WITH MANUFACTURE

THE BASE BID SHALL INCLUDE:
(2) 600149 RRFB, 120VAC, Radio, SOP, DS, Amber, PB, H Pole
(4) 500106 12V RRFB Radio WW+S
(4) 2180-BRKT-R Cabinet Bracket Set, Fits Round Poles 2-3/8 & Up
(4) 101620 Push Button Bulldog Add-On Option Kit
(4) 136760 Wire Harness, Dimmable RRFB, 10' of Cable
(4) 136761 RRFB - Amber Light Bar, Dimmable
(4) 138079 Bracket Mounting Kit,RRFB,Universal
(4) REMOVE AND RELOCATING EXISTING W11-2,30"x30"x.080
DG3 FYG,Pedestrian Crossing (Symbol) Fed Spec - Fluorescent Yellow-Green Sign
(2) 373-01757 W16-7PR,24"x12" DG3 FYG,Down Diagonal Right Arrow (Fed Spec) Sign
(2) 373-01759 W16-7PL,24"x12" DG3 FYG,Down Diagonal Left Arrow (Fed Spec) Sign
(4) 107265 Sign Mounting Kit, Banded, Flared Leg, Standard For Mounting B2B Static Signs to a Large Pole
(4) 101919 Pole Package, 13', 4.50" OD, 42" J-Bolts Includes: Pole, Base,J-Bolts
(4) 373-15 Standard Aluminum Pole, 4.5" DIA X 15' Schedule 40
(4) 203-00014 Base,Aluminum Square Pedestal, No Paint



10TH STREET SOUTH-BOUND CROSSWALK
RAPID FALSHING BEACON SYSTEM WITH
POST, BEACON, PUSH BUTTON AND SIGNAGE

1 / D-3 SCALE: NTS



10TH STREET NORTH-BOUND CROSSWALK
RAPID FALSHING BEACON SYSTEM WITH
POST, BEACON, PUSH BUTTON AND SIGNAGE

2 / D-3 SCALE: NTS

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MARK	DATE	DESCRIPTION
1	02/15/2020	BID PACKAGE

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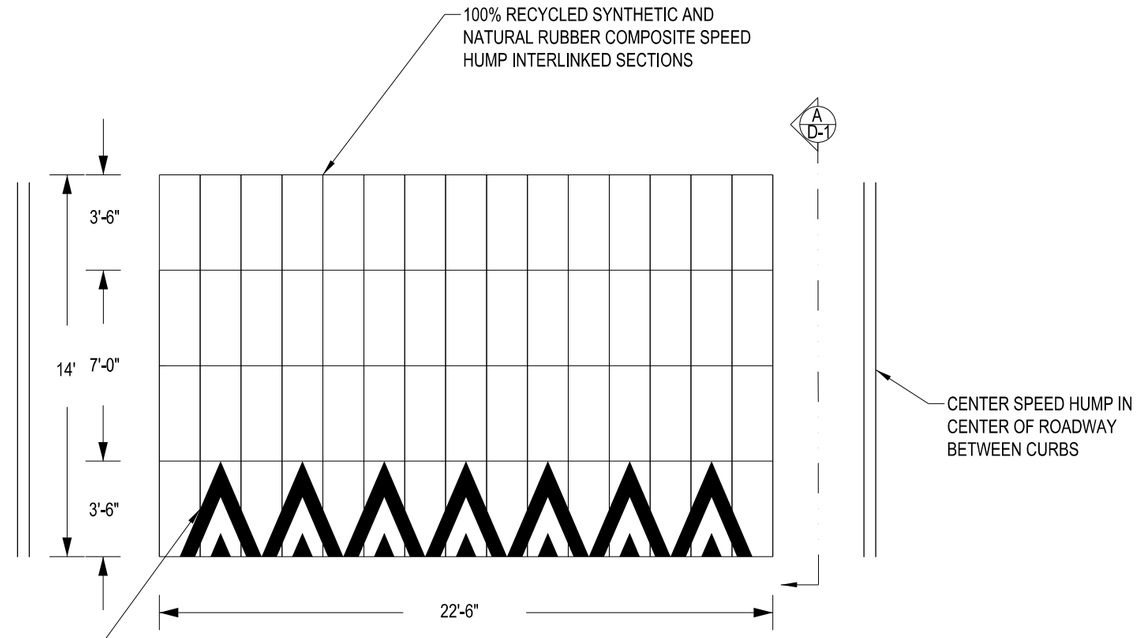
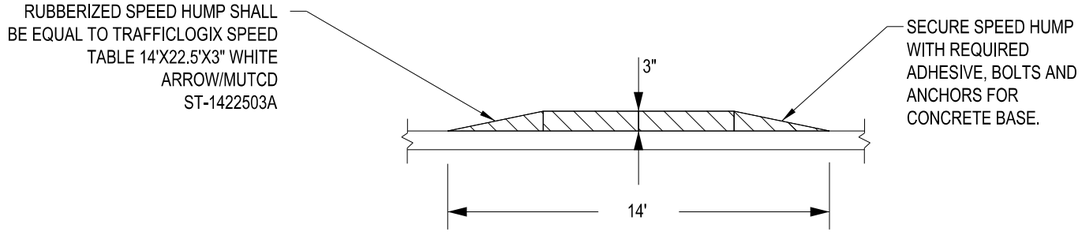
SHEET TITLE

PEDESTRIAN SIGNAL - RAPID FLASHING SYSTEM DETAIL

D-3



RUBBERIZED SPEED HUMP PLAN VIEW



A SPEED HUMP SECTION VIEW
NTS

1 / D-4 REMOVABLE RUBBERIZED SPEED HUMP
SCALE: NTS

SPEED HUMP BASE BID DESCRIPTION:

PROVIDE THREE (3) RUBBERIZED SPEED HUMPS ON CONCRETE ROADWAY AS DETAILED ON SHEET D-4 AND NOTED ON PROJECT PLAN SHEETS. PREPARE AND INSTALL ONE ASPHALT SPEED HUMP ON ASPHALT ROADWAY AS DETAILED ON SHEET D-1 AND SHOWN ON SHEET QY-1.

SPEED HUMP ALTERNATE #1 BID DESCRIPTION:

PROVIDE COST DIFFERENCE TO CUT AND PREPARE AND INSTALL THREE (3) ASPHALT SPEED HUMPS ON CONCRETE ROADWAY AS DETAILED ON SHEET D-1 AND NOTED ON PROJECT PLAN SHEETS. PREPARE AND INSTALL ONE ASPHALT SPEED HUMP ON ASPHALT ROADWAY AS DETAILED ON SHEET D-1 AND SHOWN ON PLANS.

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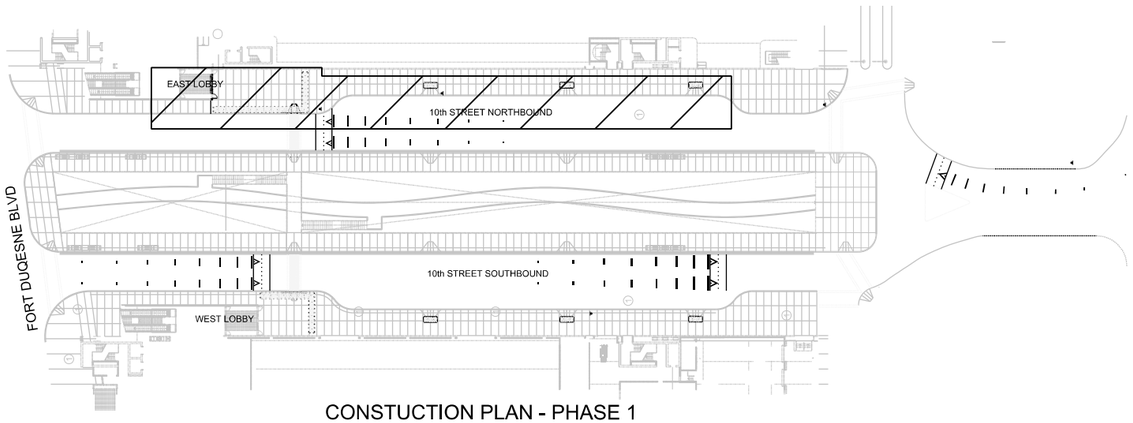
RUBBERIZED SPEED HUMP DETAIL

D-4

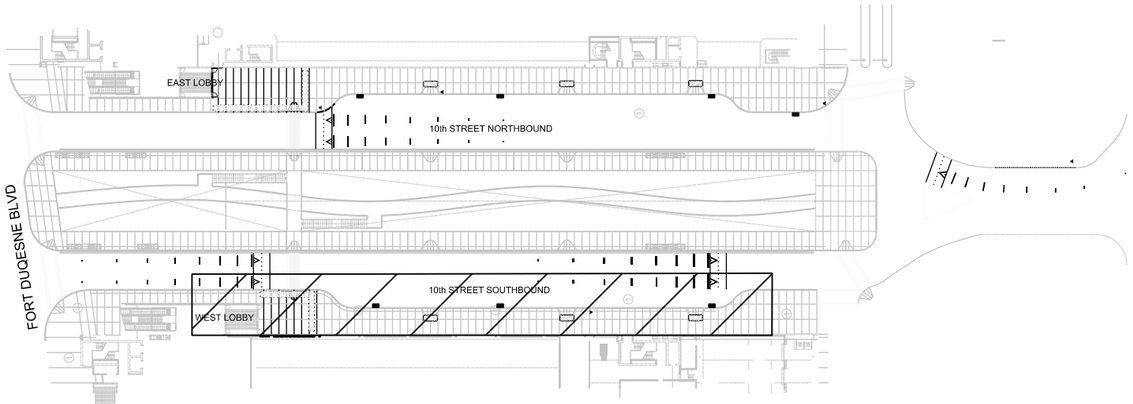


CONSTUCTION PLAN - PHASE 1

WORK AREA

PHASE 1 CONSTRUCTION PLAN:

EAST LOBBY, NORTH DRIVE LANE AND SIDEWALK CLOSED FOR CONSTRUCTION. ALL FACILITY OPERATIONS TO USE WEST LOBBY FOR ENTRANCE. CONTRACTOR SHALL INSTALL BOLLARDS AND SIGNAGE OF THE EAST SIDE.

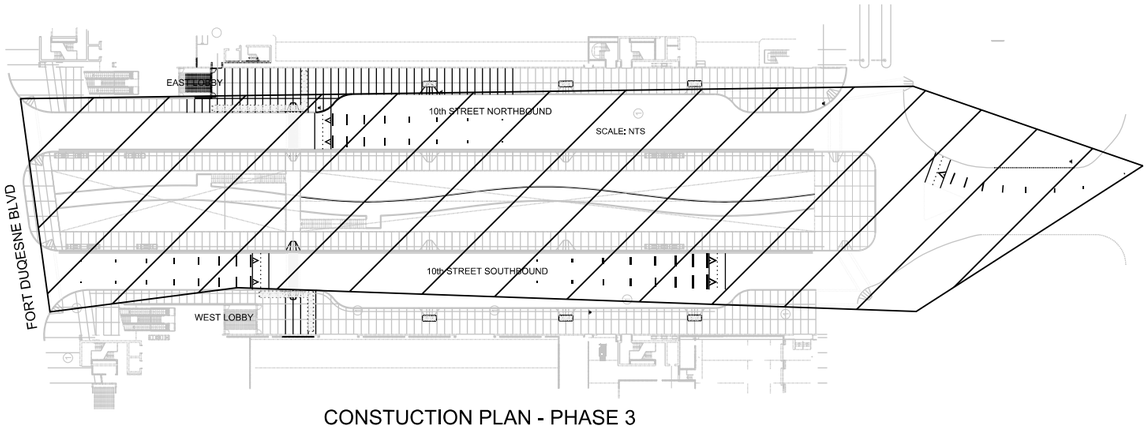


CONSTUCTION PLAN - PHASE 2

WORK AREA

PHASE 2 CONSTRUCTION PLAN:

WESTLOBBY, SOUTH DRIVE LANE AND SIDEWALK CLOSED FOR CONSTRUCTION. ALL FACILITY OPERATIONS TO USE EAST LOBBY FOR ENTRANCE. CONTRACTOR SHALL INSTALL BOLLARDS AND SIGNAGE OF THE WEST SIDE.



CONSTUCTION PLAN - PHASE 3

WORK AREA

PHASE 3 CONSTRUCTION PLAN:

AFTER HOURS WORK ONLY, FULL ROAD AND SIDEWALK CLOSURE WITH DETOUR IN EFFECT. WORK TO INCLUDE MILL AND OVERLAY FOR SPEED HUMPS, FINAL SIGANGE AND PAVEMENT MARKINGS.

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CONSTRUCTION PLANNING
STAGING

CS-1

GENERAL NOTES:

1. THIS WORK CONSISTS OF THE MAINTENANCE OF TRAFFIC AND THE PROTECTION OF THE TRAVELING PUBLIC APPROACHING THE CONSTRUCTION AREA AND WITHIN THE LIMITS OF CONSTRUCTION.
2. FURNISH, ERECT, PLACE AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES AND MAINTAIN TRAFFIC DURING HOURS OF CONSTRUCTION AND AT ALL OTHER TIMES IN ACCORDANCE WITH THE METHODS INDICATED ON THESE DRAWINGS AND,
   a. THE SPECIAL PROVISIONS OF THE CONTRACT.
   b. PA CODE, TITLE 67, CHAPTER 212, OFFICIAL TRAFFIC CONTROL DEVICES, (MARCH 2006).
   c. PDT PUBLICATION 213, TEMPORARY TRAFFIC CONTROL GUIDELINES, (JUNE 2014).
   d. PDT PUBLICATION 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15), (CURRENT REVISION).
   e. PDT PUBLICATION 408, SPECIFICATIONS, DATED 2016.
   f. PDT PUBLICATION 236, HANDBOOK OF APPROVED SIGNS, (November 2013).
   g. PDT PUBLICATION 111, TRAFFIC CONTROL –PAVEMENT MARKINGS AND SIGNING STANDARDS, TC–8600 AND TC–8700 SERIES.
   h. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), (2009 EDITION).
3. IMMEDIATELY UPON COMPLETION OF THE WORK, REMOVE SIGNS AND DEVICES. FOR TYPE "B" AND TYPE "C" MOUNTED SIGNS REMOVE POSTS COMPLETELY. THE DEPARTMENT WILL REMOVE ANY TRAFFIC CONTROL DEVICES ERECTED BY DEPARTMENT FORCES.
4. THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF ITS RESPONSIBILITY AS SPECIFIED IN SECTION 901.3(a) OF PENNDOT PUBLICATION 408.
5. SIGN LOCATIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
6. ALL SIGNS AND DEVICES SHALL BE NEW AT THE BEGINNING OF THE PROJECT AND MAINTAINED IN NEW CONDITION AND TO PENNDOT'S SATISFACTION THROUGHOUT THE DURATION OF THE PROJECT.
7. THESE PLANS HAVE BEEN REVIEWED AND ARE IN COMPLIANCE WITH STANDARDS PRESCRIBED IN CHAPTER 212 OF THE 67 PA. CODE AS CURRENTLY AMENDED.

LEGEND

	TEMPORARY SIGN	W20-5R RIGHT LANE CLOSED AHEAD	RIGHT LANE CLOSED	W4-2R	RIGHT LANE ENDS	TYPE III BARRICADE	DETOUR M4-9L	DETOUR
○	TRAFFIC CONES	R11-2 ROAD CLOSED	ROAD CLOSED	W20-2 DETOUR AHEAD	DETOUR AHEAD	M4-9R DETOUR	M4-9SL DETOUR	DETOUR
W20-1 ROAD WORK AHEAD	ROAD WORK	R11-4 ROAD CLOSED TO THRU TRAFFIC	ROAD CLOSED TO THRU TRAFFIC	W20-3 ROAD CLOSED AHEAD	ROAD CLOSED	M4-9SR DETOUR	DETOUR	

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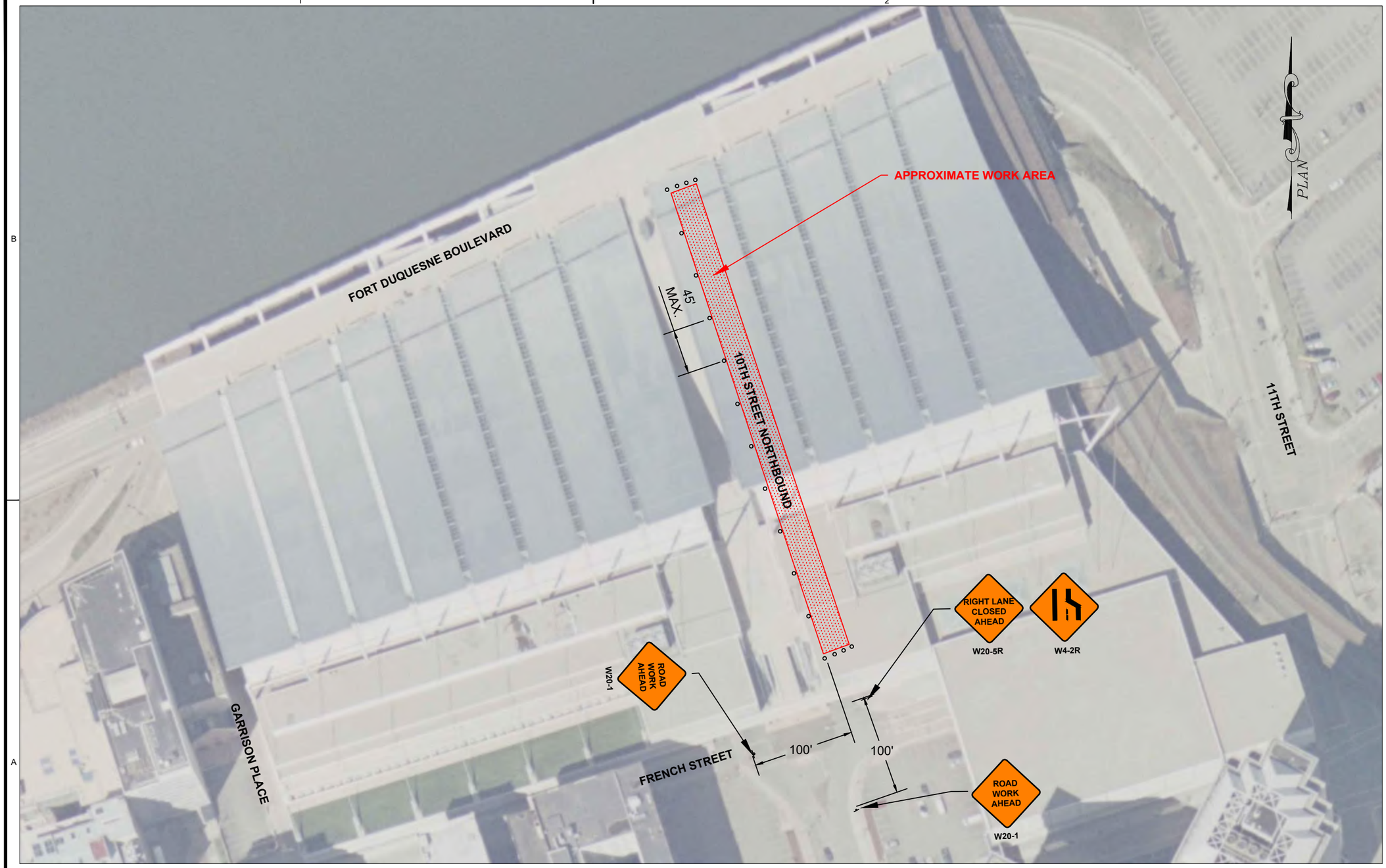
CHECKED BY:	ELSD

SHEET TITLE

MAINTENANCE AND PROTECTION OF TRAFFIC PLAN

GENERAL NOTES

$USER$ $DATE$ - $TIME$ - $FILEL$



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$DATE$

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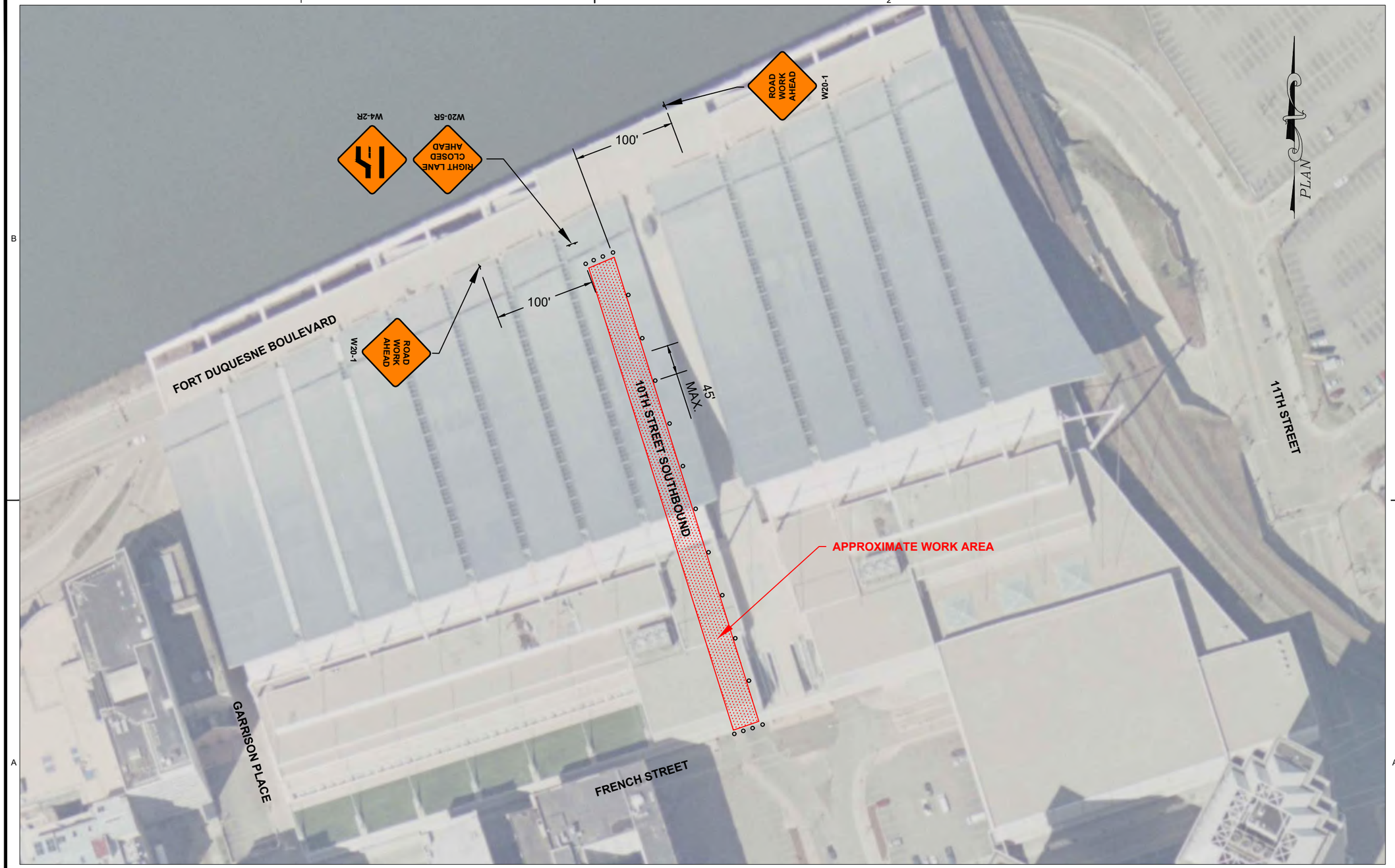
SHEET TITLE

MAINTENANCE AND PROTECTION OF TRAFFIC PLAN

PHASE 2
RIGHT LANE CLOSURE
10TH STREET NORTHBOUND



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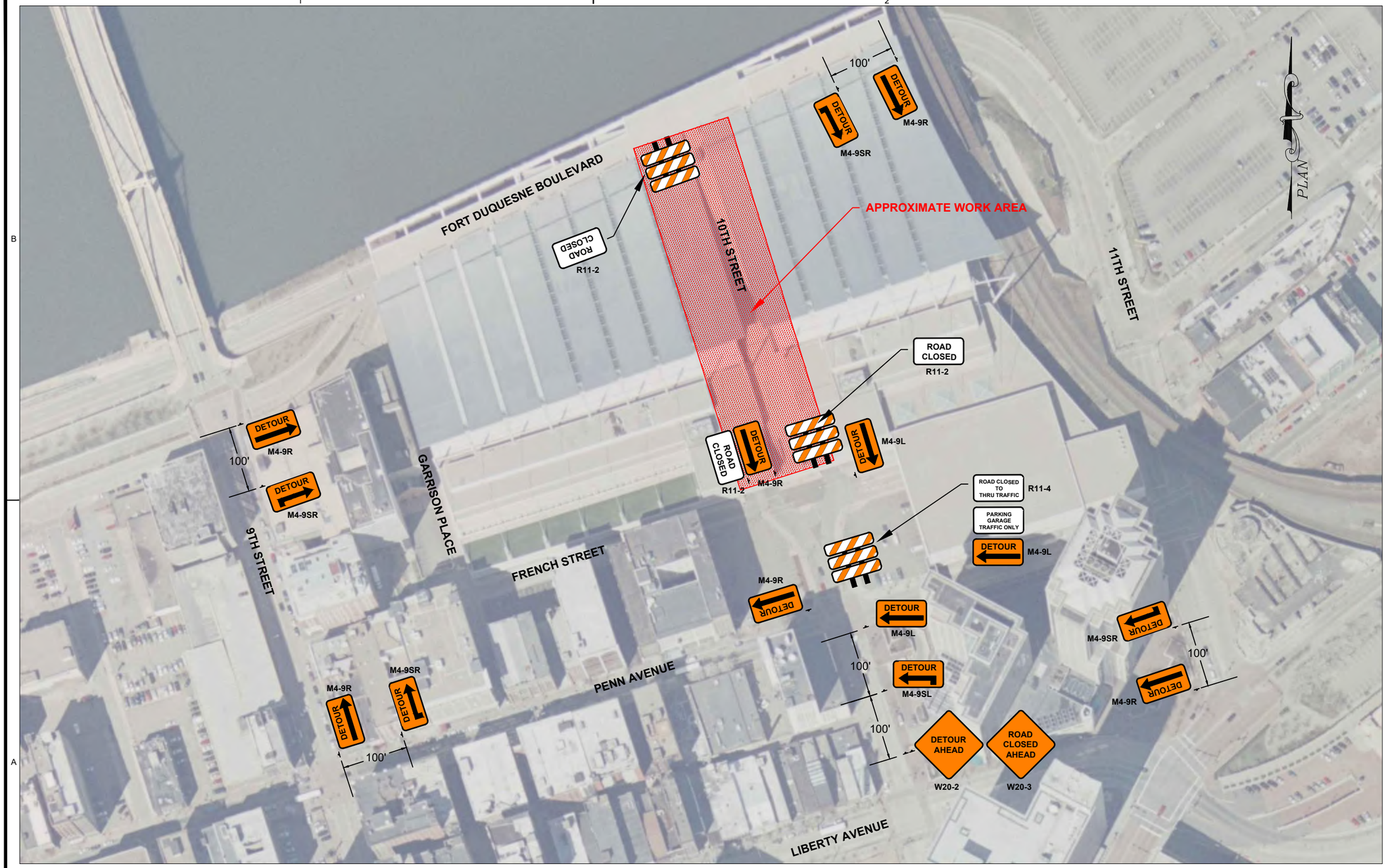
SHEET TITLE

MAINTENANCE AND PROTECTION OF TRAFFIC PLAN

PHASE 2
RIGHT LANE CLOSURE
10TH STREET SOUTHBOUND



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$DATE$

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MAINTENANCE AND PROTECTION OF TRAFFIC PLAN

PHASE 3
FULL CLOSURE
10TH STREET

Legislation Details (With Text)

File #:	2019-2293 **Version:** 1		
Type:	Resolution	**Status:**	Passed Finally
File created:	11/8/2019	**In control:**	Committee on Public Works
On agenda:	11/12/2019	**Final action:**	11/25/2019
Enactment date:	11/25/2019	**Enactment #:**	804
Effective date:	12/2/2019		
Title:	Resolution amending Resolution No. 708 of 2019, approved October 30, 2019, finally locating right of ways and accepting the dedication of roadways which are part of the Convention Center Roadway Improvements Phases I-III, and vacating a portion of Tenth Street adjacent to the David L. Lawrence Convention Center (Convention Center) no longer used for roadway purposes by adding additional coordinates under description 3.		
Sponsors:			
Indexes:	DEDICATION		
Code sections:			
Attachments:	1. Summary 2019-2293, 2. 2019-2293-Tenth street app		

Date	Ver.	Action By	Action	Result
12/2/2019	1	Mayor	Signed by the Mayor	
11/25/2019	1	City Council	Passed Finally	Pass
11/20/2019	1	Standing Committee	Affirmatively Recommended	Pass
11/12/2019	1	City Council	Read and referred	

Resolution amending Resolution No. 708 of 2019, approved October 30, 2019, finally locating right of ways and accepting the dedication of roadways which are part of the Convention Center Roadway Improvements Phases I-III, and vacating a portion of Tenth Street adjacent to the David L. Lawrence Convention Center (Convention Center) no longer used for roadway purposes by adding additional coordinates under description 3.

Be it resolved by the Council of the City of Pittsburgh as follows:

Section 1. Resolution No. 708 of 2019, approved October 30, 2019, that Sports & Exhibition Authority of Pittsburgh and Allegheny County, 171 10th Street, their successors and assigns, has requested acceptance of dedication of streets adjacent to the Convention Center, as well as vacating a portion of Tenth Street, no longer used for roadway purposes in the 2nd Ward, in the 6th Council District of the City of Pittsburgh, Pennsylvania; is hereby amended as follows:

Section 2. That right of ways are located and established for public roadway purposes as follows:

Description 1

Beginning at a point at the intersection of the northeastern corner of French Street and Garrison Place, at a point having the coordinate value of the City of Pittsburgh Datum, North 104118.3699, East

100511.6999, thence; the following courses and distances:

L1. Along the easterly right of way line of Garrison Place, N 17 26’ 53” W, 426.21 feet to a point with the coordinate value of North 104524.9717, East 100383.9049, thence;

L2. Along the southerly right of way line of 10th Street Bypass (formerly S.R. 2128), N 64 53’ 07” E, 63.24 feet to a point with a coordinate value of North 104551.8116, East 100441.1640, thence;

L3. N 16 38’ 35” W, 14.01 feet to a point with a coordinate value of North 104565.2336, East 100437.1518, thence;

C1. Curving to the right having a radius of 17.00 feet and an arc length of 24.20 feet and a delta angle of 81 33’ 36” to a point having the coordinate value, North 104585.4993, East 100446.2328, thence;

L4. N 64 55’ 01” E, 347.74 feet to a point with a coordinate value of North 104732.9164, East 100761.1780, thence;

C2. Curving to the right having a radius of 30.00 feet and an arc length of 51.11 feet and a delta angle of 97 36’ 55” to a point having the coordinate value North 104714.7507, East 1008025125, thence;

L5. S 17 28’ 04” E, 481.71 feet to a point with a coordinate value North 104255.2568, East 100947.1064, thence;

L6. Along the northerly right of way line of French Street, S 72 32’ 51” W, 456.42 feet to a point with a coordinate value of North 104118.3699, East 100511.6999, the point of beginning.

Description 2

Beginning at a point at the northeast intersection of Tenth Street Southbound and French Street, being the place of beginning and having the coordinate value of the City of Pittsburgh Datum, North 104264.0653, East 100977.7798, thence;

L7. Along the easterly right of way line of Tenth Street Southbound, N 17 28’ 04” W, 516.95 feet to a point with a coordinate value of North 104739.1764, East 100822.6073, thence;

L8. N 42 04’ 02” W, 87.70 feet to a point with a coordinate value of North 104799.8235, East 100767.8713, thence;

L9. Along the northerly right of way line of 10th street bypass (formerly S.R. 2128), N 65 19’ 17” E, 113.02 feet to a point with a coordinate value of North 104847.0136, East 100870.5710, thence;

L10. S 08 07’ 57” E, 80.89 feet to a point with a coordinate value of North 104766.9362, East 100882.0142, thence;

L11. Along the westerly right of way line of Tenth Street Northbound, S 17 28’ 04” E, 525.58 feet to a point with a coordinate value of North 104265.5930, East 101039.7772, thence;

L12. S 00 30’ 47” E, 10.07 feet to a point on Tenth Street Northbound with a coordinate value of North 104255.5220, East 101039.8673, thence;

C3. Curving to the right having a radius of 12.00 feet and an arc length of 15.34 feet and a delta angle of 73 15’ 02” to a point having the coordinate value North 104243.9551, East 101031.4288, thence;

L13. S 72 44’ 15” W, 32.61 feet to a point having the coordinate value North 104234.2791, East 101000.2913, thence;

C4. Curving to the right having a radius of 18.00 feet and an arc length of 28.21 feet and a delta angle of 89 47’ 41” to a point having the coordinate value North 104246.0653, East 100977.7798, the point of beginning.

Description 3

Beginning at a point at the northeast intersection of Tenth Street and Penn Avenue, at a point having the coordinate value of the City of Pittsburgh Datum, North 104184.4440, East 101066.6386, thence the following courses and distances;

L47. Along the easterly right of way line of Tenth Street, N 17 28’ 04” W, 75.95 feet to a point with a coordinate value of North 104184.4440, East 101066.6386, thence;

L14. Along the easterly right of way line of Tenth Street, N 09 37’ 01” E, 55.42 feet to a point with a coordinate value of North 104239.0904, East 101075.8981, thence;

L15. Along the easterly right of way line of Tenth Street Northbound, N 17 28’ 04” W, 559.82 feet to a point with a coordinate value of North 104773.0957, East 100907.8570, thence;

C5. Curving to the right having a radius of 30.00 feet and an arc length of 43.35 feet and a delta angle of 82 47’ 21” to a point having the coordinate value North 104809.3608, East 100923.9478, thence;

L16. Along the southerly right of way line of 10th Street bypass (formerly S.R. 2128) N 65 19’ 17” E, 170.00 feet to a point with a coordinate value of North 104880.3403, East 101078.4207, thence;

C6. Curving to the right having a radius of 430.00 feet and an arc length of 85.73 feet and a delta angle 11 25’ 25” to a point having the Coordinate value, North 104908.1591, East 101159.3649

L17. S 20 23’ 39” E, 28.92 feet to a point with a coordinate value of North 104881.0490, East 101169.4439, thence;

L18. N 65 14’ 31” E, 60.48 feet to a point with a coordinate value of North 104906.3761, East 101224.3622, thence;

L19. S 69 36’ 40” E, 42.37 feet to a point with a coordinate value of North 104891.6159, East 101264.0745, thence;

L20. S 53 00’ 23” E, 31.86 feet to a point with a coordinate value of North 104872.4468, East

101289.5186, thence;

L21. S 45 04’ 05” E, 31.96 feet to a point with a coordinate value of North 104849.8760, East 101312.1431, thence;

L22. S 36 49’ 39” E, 115.25 feet to a point on the right of way line of Eleventh Street with a coordinate value of North 104757.6270, East 101381.2231, thence;

L23. Along said right of way line, S 15 22’ 01” E, 427.12 feet to a point with a coordinate value of North 104345.7761, East 101494.4107, thence;

L24. S 74 36’ 53” W, 7.87 feet to a point with a coordinate value of North 104343.6874, East 101486.8201, thence;

L25. S 17 27’ 56” E, 101.73 feet to a point on the right of way line of Penn Ave with a coordinate value of North 10424606492, East 101517.3522, thence;

L26. Along said right of way line, S 72 31’ 56” W, 94.32 feet to a point with a coordinate value of North 104218.3359, East 101427.3775, thence;

L27. N 17 28’ 04” W, 0.61 feet to a point with a coordinate value of North 104218.9178, East 101427.1944, thence;

L28. S 72 31’ 56” W, 13.50 feet to a point with a coordinate value of North 104214.8671, East 101414.3219, thence;

L29. S 17 28’ 04” E, 4.64 feet to a point with a coordinate value of North 104210.4449, East 101415.7135, thence;

L30. S 72 31’ 56” W, 28.78 feet to a point with a coordinate value of North 104201.8055, East 101388.2588, thence;

L31. N 17 28’ 04” W, 4.64 feet to a point with a coordinate value of North 104206.2276, East 101386.8672, thence;

L32. S 72 31’ 56” W, 31.23 feet to a point with a coordinate value of North 104196.8547, East 101357.0817, thence;

L33. S 17 28’ 04” E, 4.73 feet to a point with a coordinate value of North 104192.3467, East 101358.5002, thence;

L34. S 72 31’ 56” W, 28.79 feet to a point with a coordinate value of North 104183.7053, East 101331.0396, thence;

L35. N 17 28’ 04” W, 4.73 feet to a point with a coordinate value of North 104188.2133, East 101329.6210, thence;

L36. S 72 31’ 56” W, 31.24 feet to a point with a coordinate value of North 104178.8371, East 101299.8521, thence;

L37. S 17 28’ 04” E, 4.76 feet to a point with a coordinate value of North 104174.2956, East 101301.2542, thence;

L38. S 72 31’ 56” W, 28.79 feet to a point with a coordinate value of North 104165.6547, East 101273.7949, thence;

L39. N 17 28’ 04” W, 4.76 feet to a point with a coordinate value of North 104170.1962, East 101272.3658, thence;

L40. S 72 31’ 56” W, 31.18 feet to a point with a coordinate value of North 104160.8362, East 101242.6213, thence;

L41. S 17 28’ 04” E, 4.72 feet to a point with a coordinate value of North 104156.3327, East 101244.0385, thence;

L42. S 72 31’ 56” W, 28.79 feet to a point with a coordinate value of North 104147.6909, East 101216.5764, thence;

L43. N 17 28’ 04” W, 4.72 feet to a point with a coordinate value of North 104152.1944, East 101215.1592, thence;

L44. S 72 31’ 56” W, 13.45 feet to a point with a coordinate value of North 104148.1581, East 101202.3326, thence;

L45. S 17 28’ 04” E, 0.61 feet to a point with a coordinate value of North 104147.5763, East 101202.5157, thence;

L46. S 72 31’ 56” W, 118.55 feet to a point at the northeast intersection of Tenth Street and Penn Avenue with a coordinate value of North 104111.9928, East 101089.4377, the point of beginning.

Description 4

Beginning at a point at the intersection of the northwest corner of Penn Avenue and Tenth Street, said point being S 72 31’ 56” W, 5.74 feet from the legal right of way line, being the place of beginning and having the coordinate value of the City of Pittsburgh Datum, North 104080.6445,
East 101025.9183, thence;

L56. Along the westerly right of way line of Tenth Street, N 17 28’ 04” W, 94.18 feet to a point with a coordinate value of North 104170. 7884, East 100997.6492, thence;

L57. N 45 46’ 27” W, 74.98 feet to a point on the legal right of way line for French Street with the coordinate value of North 104222.7758, East 100943.9197, thence;

L58. Along said right of way line, S 72 32’ 51” W, 86.01 feet to a point with a coordinate value of North 104196.9815, East 100861.8738, the point of ending.

Description 5

Beginning at a point on the terminus of S.R. 2128 survey and right of way baseline, station 39+63.80, having the coordinate value of the City of Pittsburgh Datum, North 104467.5822, East 100184.8440, thence N 24 52' 32" W, 44.00 feet to a point, being the point of beginning and having the coordinate value of the City of Pittsburgh Datum, North 104519.2088, East 100160.9064, thence along the required right of way line for Tenth Street Bypass;

L48. N 24 52' 32" W, 12.91 feet to a point with a coordinate value of North 104519.2088, East 100160.9064, thence;

L49. N 65 54' 39" E, 313.64 feet to a point with a coordinate value of North 104647.2211, East 100447.2276, thence;

L50. N 64 19' 03" E, 273.23 feet to a point with a coordinate value of North 104765.6329, East 100693.4621, thence;

L51. N 65 19' 17" E, 447.84 feet to a point with a coordinate value of North 104952.6190, East 101100.4004, thence;

L52. N 23 53' 38" W, 5.70 feet to a point with a coordinate value of North 104957.8278, East 101098.0962, thence;

L53. N 66 11' 55" E, 84.62 feet to a point with a coordinate value of North 104991.9770, East 101175.5143, thence;

L54. S 23 37' 44" E, 22.76 feet to a point with a coordinate value of North 104971.1215, East 101184.6385, thence;

C8. Curving to the right having a radius of 205.00 feet and an arc length of 112.21 feet and a delta angle of 31 21' 37" to a point having the coordinate value North 104950.6719, East 101293.5447, thence;

L55. S 36 41' 06" E, 72.97 feet to a point with a coordinate value of North 104918.3240, East 101358.9530, the point of ending.

Section 3. That the grading, paving, curbing, traffic signals and other roadway improvements located in the rights of ways described above, in conjunction with existing rights of way all as set out in the Final Drawings for Convention Center Right of Way and Convention Center Infrastructure As Built Drawings each on file in the Department of Mobility and Infrastructure, including specifically the bridge and supporting structure for the portion of Tenth Street Bypass that is part of an aerial easement dedicated hereby, (as the aerial easement is shown on the Final Drawings, subject however to surface rights of SEA to paved area behind road barrier at south side Tenth Street Bypass) and subject to certain Easement Agreement, pertaining to encroachment of building overhang or other building elements onto portions of above-grade, surface and sub-surface portions of public right of way and the lighting of streets, entered into by and between the City of Pittsburgh and the Sports & Exhibition Authority of Pittsburgh and Allegheny County dated December 21, 2001 pursuant to Resolution 542 of 2001 (Resolution Book Vol. 135, page 689) and subject to easements for rights of encroachment for ingress and egress at the entrances to loading docks at the Convention Center, are hereby accepted and declared

to be public improvements of the City of Pittsburgh and opened as public roadways of the City of Pittsburgh.

Section 4. That the City of Pittsburgh hereby vacates all that portion of roadway in the 2nd Ward, City of Pittsburgh, County of Allegheny, Commonwealth of Pennsylvania, more particularly bounded and described as follows:

Beginning at a point on the westerly right of way line of Tenth Street Southbound, variable width, and the northerly right of way of French Street 30.03' wide, also being the southeast corner of Parcel 1 in the David L. Lawrence Convention Center Plan No. 1, recorded in P.B.V. 271, Page 159; thence North 72°32'51" East, 55.10' to a point being the true point of beginning; thence along said Tenth Street Southbound right of way, North 17°28'04" West, 498.98' to a point; thence North 42°04'02" West, 81.70' to a point on the southerly property line of Parcel 4 of said plan; thence along said property line of Parcel 4, North 65°19'17" East, 113.02' to a point; thence South 17°28'04" East, 525.58' to a point; thence South 0°30'47" East, 10.07' to a point; thence by an arc to the right R=12.00', L=15.34', Δ=73°15'02", to a point; thence South 72°44'15" West, 32.61' to a point; thence by an arc to the right R=18.00', L=28.21', Δ=89°47'41", to a point; thence North 17° 28'04" West, 17.97' to the point of beginning. This vacation does not vacate the dedication of any part of the Tenth Street Bypass, the aerial easement for Tenth Street Bypass and the structure supporting it, nor does it vacate any rights granted by the above-referenced Easement Agreement dated December 21, 2001.

Contains 41,864.981 Sq. Ft. or 0.96 Acres

Be advised that this street vacation is subject to certain easements granted by the Sports & Exhibition Authority to The Pittsburgh Water and Sewer Authority, that is that certain Agreement Re: Conveyance, Easement and Maintenance of PWSA facilities located in Convention Center Water Feature dated December 19, 2012 and recorded in the Allegheny County Department of Real Estate at Deed Book Volume 15128, Page 578, as amended by First Amendment to Agreement Re: Conveyance, Easement and Maintenance of PWSA facilities located in Convention Center Water feature dated October 11, 2013 and recorded at Deed Book Volume 15426, Page 394, and that certain Agreement Re: conveyance, Easement and Maintenance of certain PWSA improvements at Parcel 4 of the David L. Lawrence Convention Center Plan dated December 19, 2012 and recorded in Deed Book Volume 15128, Page 545.

Section 5. Any ordinance or resolution or part thereof conflicting with the provisions of the Resolution, specifically Resolution 375 of 2001 (Res Book Vol. 135, page 439), and Resolution 302 of 2002 (Res Book Vol. 136, page 401), is hereby repealed so far as the same affects this Resolution.

Sports & Exhibition Authority

When you have the time, Pittsburgh has the place.

To: Mary Conturo, Tim Muldoon

From: Rhea L. Thomas

Date: December 20, 2019

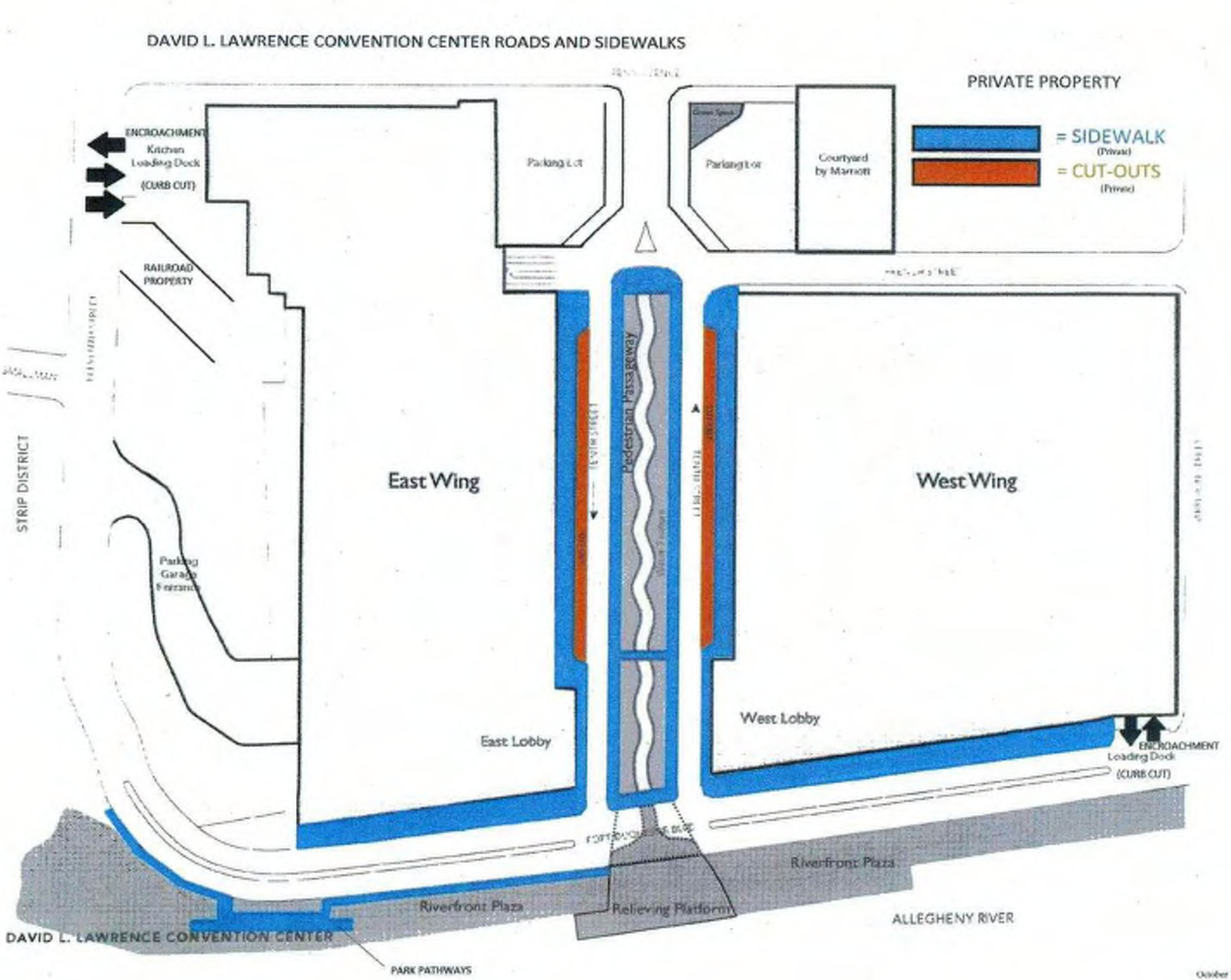
Re: DLCC Street Dedication and Vacation

Pittsburgh City Council Resolution 708 of 2019, approved October 30, 2019, finally located right of ways and accepted the dedication of roadways at the Convention Center. The Resolution also vacated a portion of old Tenth Street which is now the location of the water feature and pedestrian passageway leading to the Riverfront Plaza.

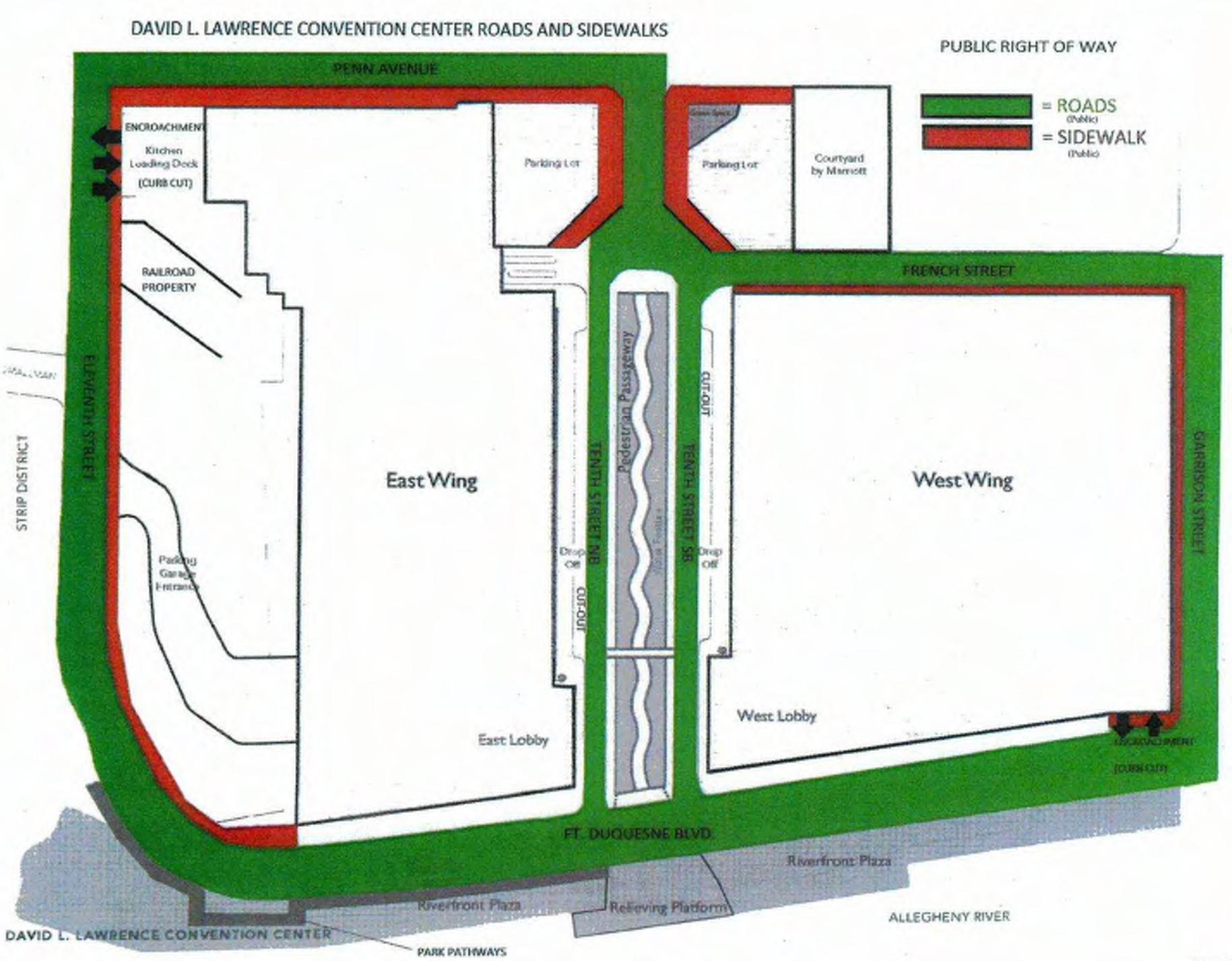
Attached are working drawings which depict (1) the public roadways and sidewalks and (2) the private sidewalks and cut-outs surrounding the Convention Center.

171 10th Street, 2nd Floor Pittsburgh, Pennsylvania 15222 412-393-0200 tel 412-393-7104 fax

iM# 66483


DAVID L. LAWRENCE CONVENTION CENTER ROADS AND SIDEWALKS
PRIVATE PROPERTY
= SIDEWALK
(Private)
= CUT-OUTS
(Private)
ENCROACHMENT
Kitchen
Loading Dock
(CURB CUT)
Parking Lot
Parking Lot
Courtyard
by Marriott
RAILROAD
PROPERTY
STRIP DISTRICT
East Wing
Pedestrian Passageway
West Wing
Parking
Garage
Entrance
East Lobby
West Lobby
ENCROACHMENT
Loading Dock
(CURB CUT)
Riverfront Plaza
Riverfront Plaza
Relieving Platform
ALLEGHENY RIVER
DAVID L. LAWRENCE CONVENTION CENTER
PARK PATHWAYS
October 19, 2018

iM#: 64131


DAVID L. LAWRENCE CONVENTION CENTER ROADS AND SIDEWALKS
PUBLIC RIGHT OF WAY
= ROADS
(Public)
= SIDEWALK
(Public)
PENN AVENUE
ENCROACHMENT
Kitchen
Loading Dock
(CURB CUT)
Parking Lot
Parking Lot
Courtyard
by Marriott
FRENCH STREET
RAILROAD
PROPERTY
ELEVENTH STREET
STRIP DISTRICT
East Wing
Parking
Garage
Entrance
TENTH STREET NB
Drop
Off
CUT-OUT
Pedestrian Passageway
TENTH STREET SB
CUT-OUT
Drop
Off
West Wing
GARRISON STREET
East Lobby
West Lobby
(CURB CUT)
FT. DUQUESNE BLVD.
Riverfront Plaza
Riverfront Plaza
Relieving Platform
ALLEGHENY RIVER
DAVID L. LAWRENCE CONVENTION CENTER
PARK PATHWAYS
October 19,2018

iM#: 64131