



Diane Nichols Tradd
Assistant City Manager/DPD Director

Craig Thomas
Deputy Director

MEMORANDUM

TO: Eileen M. Donoghue, City Manager *EMD*

FROM: Diane N. Tradd, Assistant City Manager/DPD Director

DATE: July 28, 2020

SUBJECT: MOTION OF 3/10/20 BY COUNCILOR MERCIER/ELLIOTT
REQUEST CITY MANAGER PROVIDE A REPORT REGARDING
CONSTRUCTION PLANS FOR LHS AND PROCEDURES IN WHICH TO
INFORM BUSINESSES AND RESIDENTS DOWNTOWN AS TO ANY TRAFFIC
MITIGATION, CONGESTION, PARKING ETC. DURING ALL PHASES OF
CONSTRUCTION AT THE LHS PROJECT

Suffolk Construction provided a detailed phased Traffic Management Plan with an accompanying narrative for the LHS construction project. See attached. The TMP includes an overview of each of the four phases, parking for construction staff, pedestrian paths, location of student access to LHS, ingress/egress points for construction vehicles during each phase, swept path analyses for a WB-50 truck (Interstate semi-trailer) and the planned route to the site from the Lowell Connector and the Cawley Stadium staging area. The narrative provides the duration of the phase, clarifies the intent of the TMP and how student drop-off and pick up will occur in each phase. The Transportation Engineer reviewed and approved the TMP plan, as submitted.

For each phase, once vehicles reach the LHS site, they will be staged and unloaded within the site, which will be surrounded by construction fencing. In addition, deliveries will not occur during arrival and dismissal (7:15-8:15am and 2:00-3:00pm). This will have the effect of minimizing the impact on local traffic. There will be short term lane closures and street occupancies throughout the duration of the project on Father Morissette Boulevard and Kirk Street. LPD details and traffic control measures will be used, as needed to direct vehicular and pedestrian traffic.

Notification for each phase will be multi-pronged:

- VMBs on site 2 weeks prior to a change in TMP construction phase
- Press release through the City Manager's office
- Updates to the LHS website (button on the City website)
- City Social media
- Civic Send/list serv emails from the Transportation Engineer

NV/ns

Attachment

cc: Kara Keefe-Mullin, Assistant City Manager
Natasha Vance, Transportation Engineer



Suffolk

LOWELL HIGH SCHOOL

Traffic Management Plan

Abstract

The Traffic Management Plan has been prepared with the goal to promote elements of public safety and accessibility around the Lowell High School Project.

Introduction

The Traffic Management Plan (TMP) is divided up for each phase of the Project (detailed below). Temporary modifications to vehicle and pedestrian travel routes along Arcand Drive, Father Morissette Boulevard, French Street and Kirk Street will be necessary to support construction activities and maintain the safety of the surrounding Community. The following sections provide a general overview of each plan.

Phase	Approx. Time Period	Duration
1 - Gymnasium	Oct. 2020 – Mar. 2022	74 Weeks
2 - Freshman Academy	Apr. 2022 – Dec. 2023	84 Weeks
3 - 1980's and North 1922 Bld. Renovation	Dec. 2023 – Mar. 2025	68 Weeks
4 - South 1922 Building Renovation	Apr. 2025 – July 2026	66 Weeks

[Phase 1 – New Gymnasium \(October 2020 – March 2022\)](#)

Current vehicle and pedestrian traffic patterns will not be impacted. The sidewalk along Arcand Drive will be maintained and student drop-off along Father Morissette Boulevard will remain unchanged. Primary access to the construction site will be provided by two gates along Arcand Drive and a rear access gate will be installed along Dutton Street.

[Phase 2 – Freshman Academy \(April 2022 – December 2023\)](#)

Student drop-off will be relocated east of the construction site entrance and school access will be provided through the north and southeast entrance of the 1980's Building. The sidewalk along Father Morissette Boulevard will be closed and replaced with a 7' wide pedestrian pathway adjacent to its curbline. This temporary pathway will be protected by a precast concrete barrier which will reduce the eastbound traffic lane to 16'.

The midblock crossing connecting the George Ayotte Garage to the school will be closed and replaced with a temporary pedestrian crossing 100' northeast. The existing signal will be temporarily taken out of service and a police detail will be present to direct pedestrian traffic.

Access to the construction site will be provided by two gates along Arcand Drive and Father Morissette Boulevard. The median at Father Morissette Boulevard will be modified to allow left turns out of the construction site.

[Phase 3 – 1980 West Building/1922 East Building \(December 2023 – March 2025\)](#)

Student drop-off will occur along Father Morissette Boulevard and access will be provided through the new Freshman Academy and southern end of the 1922 Building. Access to the northern end of the 1922 Building will be closed due to construction activities.

The sidewalk at French Street and Kirk Street will be partially closed and replaced with a 6' wide pedestrian pathway adjacent to its curblin. This temporary pathway will be protected by a precast concrete barrier which will reduce the French Street and Kirk Street lanes to 11' and 15' respectively.

Access to the construction site will be provided by multiple gates along Father Morissette Boulevard, French Street and Kirk Street.

[Phase 4 – 1892/1922 East Building \(Apr. 2025 – July 2026\)](#)

Student drop-off will occur along Father Morissette Boulevard and access will be provided through the new Freshman Academy and northern end of the 1922 Building. Access to the southern end of the 1922 Building will be closed due to construction activities.

The southern half of the sidewalk at Kirk Street will be closed and replaced with a 6' wide pedestrian pathway adjacent to its curblin. This temporary pathway will be protected by a precast concrete barrier which will reduce the Kirk Street lane to 15'.

Access to the construction site will be provided by multiple gates along Kirk Street.

Street Occupancy

Periodic and short-term street occupancies and lane closures will be limited to Father Morissette Boulevard and Kirk Street. This work will consist of utility connections, concrete pours, and special deliveries. A police detail will be present for each closure to direct traffic.

Prior to each closure, Suffolk will hold a pre-construction meeting with the Owners Project Manager (Skanska) to review the closure plan and address all comments and concerns prior to commencing work.

Truck Movement During Construction

Truck access to the site will be restricted during peak school arrival and dismissal periods. Trucks coming to and from the site are required to use major arterial roadways and not local streets. To prevent trucks from idling in nearby neighborhoods, Cawley Memorial Stadium will be used for trucks to temporarily park.

Perimeter Protection & Signage

Secure fencing and barricades will be used to separate construction areas from pedestrian traffic around the site. These measures will be designed to meet all Occupational Safety and Health Administration (OSHA) safety standards. Signs will be installed around the outside perimeter of the construction site to direct pedestrian and construction traffic. The main construction sign will be installed in a visible public spot and will provide contact information for all questions or concerns.

Emergency Vehicle Access

Emergency vehicle access into the construction site will be through the primary gates as mentioned prior. All other points of access will be maintained for secondary access as needed. Existing fire hydrants will be kept accessible to Lowell's Fire Department.

Construction Worker and Staff Parking

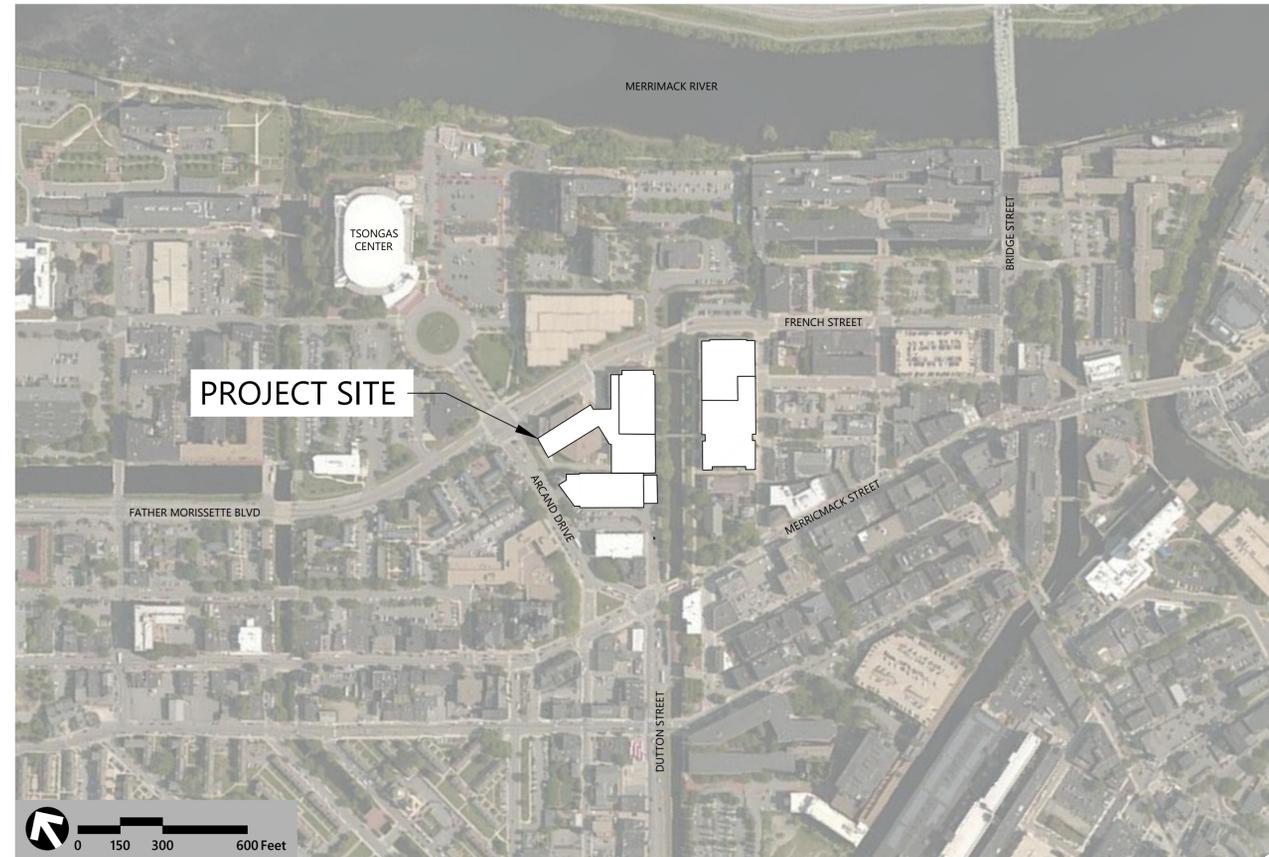
Subcontractors will not be permitted to park on-site or within the surrounding neighborhoods. Parking at the George Ayotte Parking Facility and at the Tsongas Arena Surface Lot (tentatively) will be available for Subcontractor parking.

Transportation Management Plan

Lowell High School

50 Father Morissette Boulevard
Lowell, Massachusetts

Issued for	Discussion and Approvals
Date Issued	July 22, 2020
Latest Issue	July 22, 2020



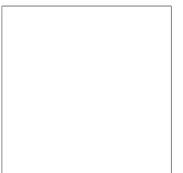
Suffolk

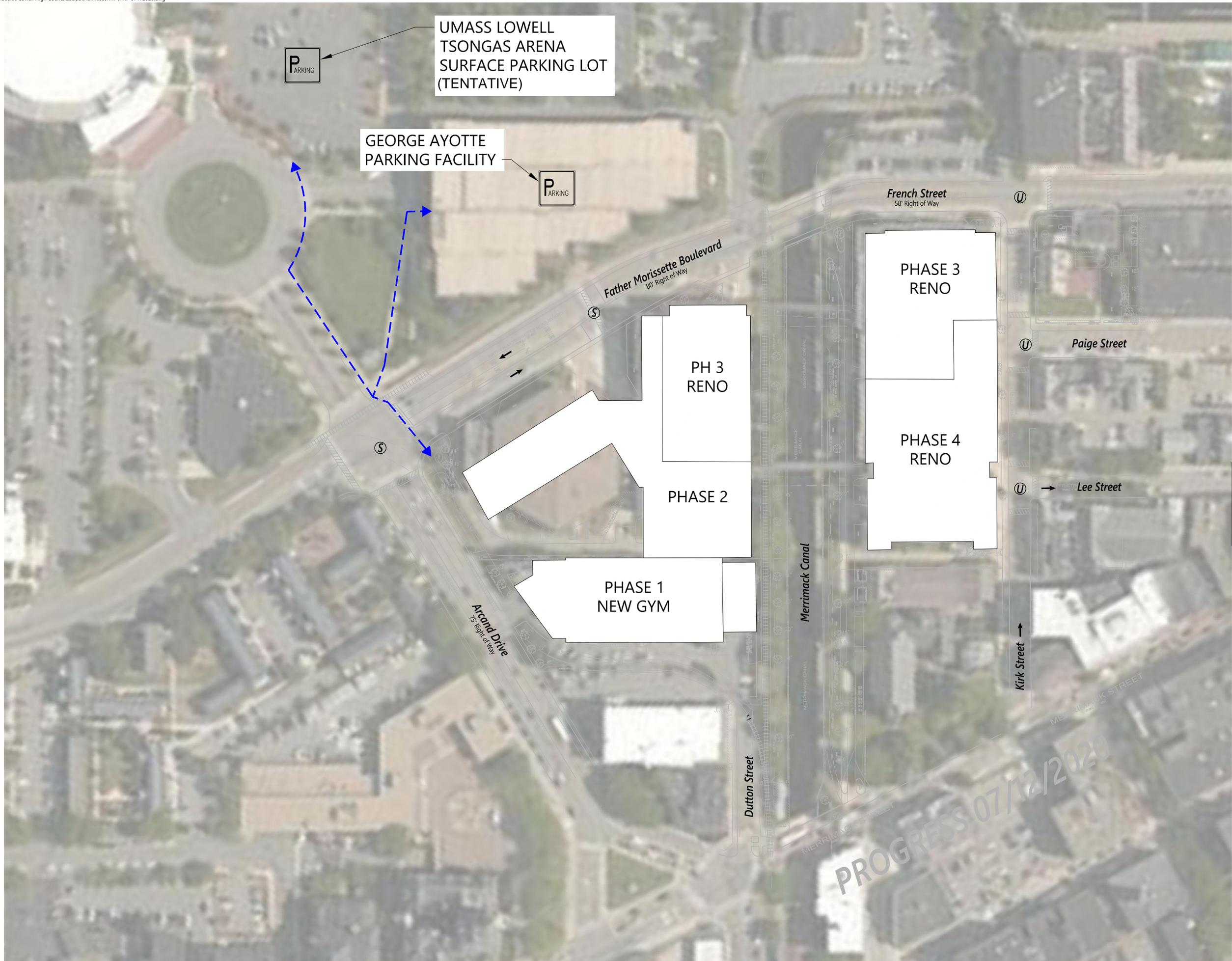
Sheet Index

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TMP-1	Construction Phasing Overview
TMP-2	Construction Parking Sites
TMP-3	Phase 1 Overview
TMP-4	Phase 2 Overview
TMP-5	Phase 3 Overview
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TMP-7	Phase 1 Truck Turns
TMP-8	Phase 2 Truck Turns
TMP-9	Phase 3 Truck Turns
TMP-10	Phase 4 Truck Turns
TMP-11	Truck Routes

Project Schedule

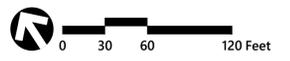
Phase	Start	Finish	Duration
1 - Gym	October 13, 2020	March 18, 2022	74 Weeks
2 - Freshman Academy	April 18, 2022	November 29, 2023	84 Weeks
3 - Renovate East/West (North)	November 30, 2023	March 21, 2025	68 Weeks
4 - Renovate West (South)	April 21, 2025	July 24, 2026	66 Weeks
Total:	October 13, 2020	July 25, 2026	301 Weeks





 Parking Facility

 Pedestrian Routing



**Lowell High School
TMP**
50 Father Morissette Boulevard
Lowell, Massachusetts

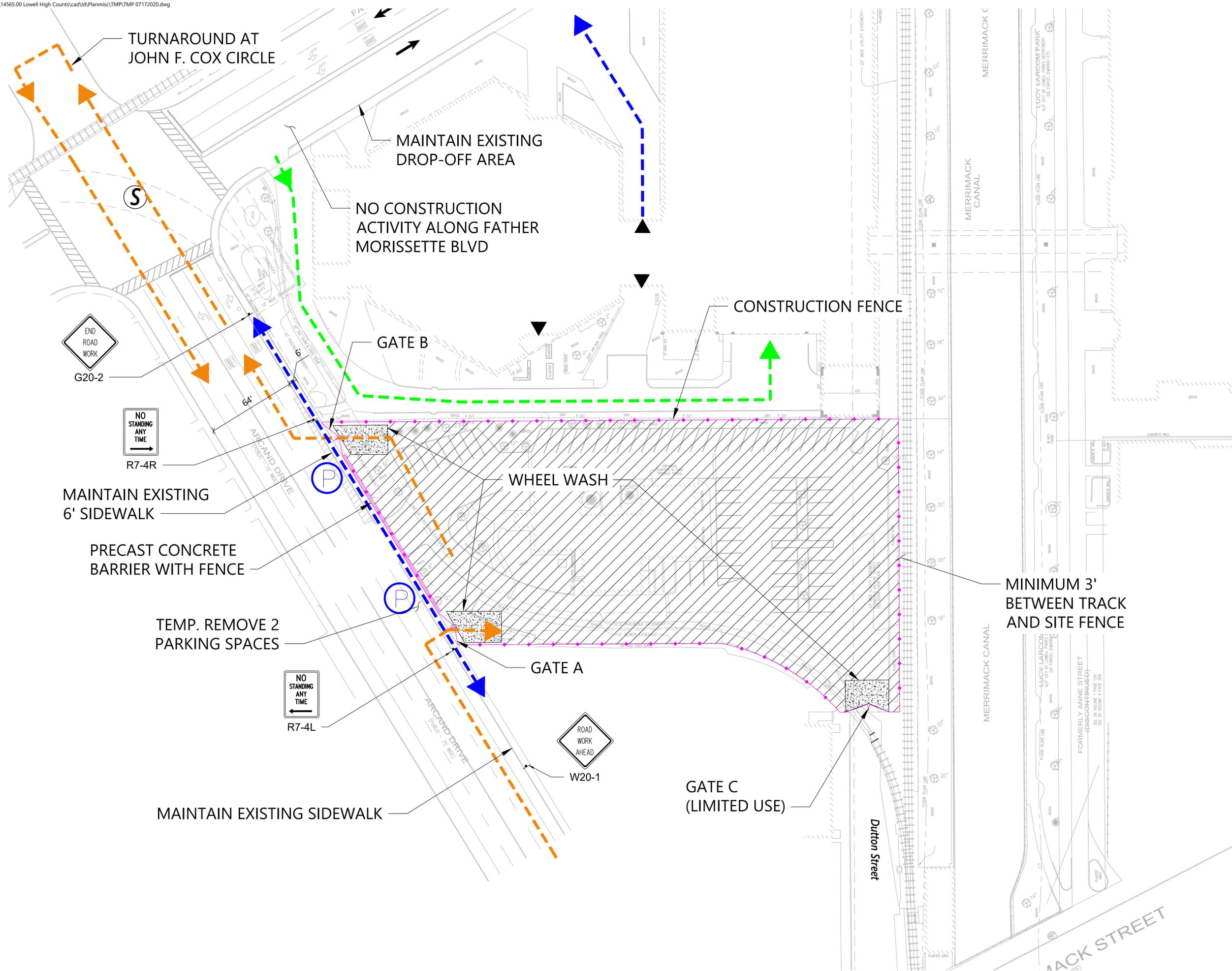
No.	Revision	Date	App'd.

Designed by _____ Checked by _____
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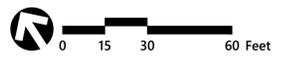
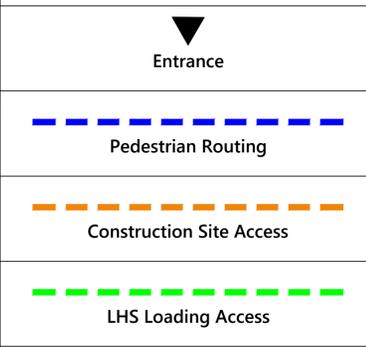
Discussion and Approvals Only
NOT FOR CONSTRUCTION

Construction Parking Sites

PROGRESS 07/12/2020



- NOTES:
1. UTILITY WORK, DEMOLITION, FOUNDATION WORK AND NEW GYM BUILDING ERECTION WILL OCCUR DURING THIS PHASE
 2. THE DURATION OF THIS PHASE IS EXPECTED TO BE 74 WEEKS (10/13/2020 - 3/18/2022)
 3. APPROXIMATELY 2 TRUCKS PER DAY WILL BE EXPECTED AT THE SITE DURING THIS PHASE
 4. NO CONSTRUCTION DELIVERIES DURING MORNING AND EVENING SCHOOL PICK-UP/DROP-OFF HOURS (MONDAY THRU FRIDAY 7:15 AM TO 8:15 AM AND 2:15 PM TO 3:15 PM)
 5. EMERGENCY VEHICLE ACCESS WILL BE RETAINED DURING AND AFTER WORK HOURS



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TMP**
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Lowell, Massachusetts

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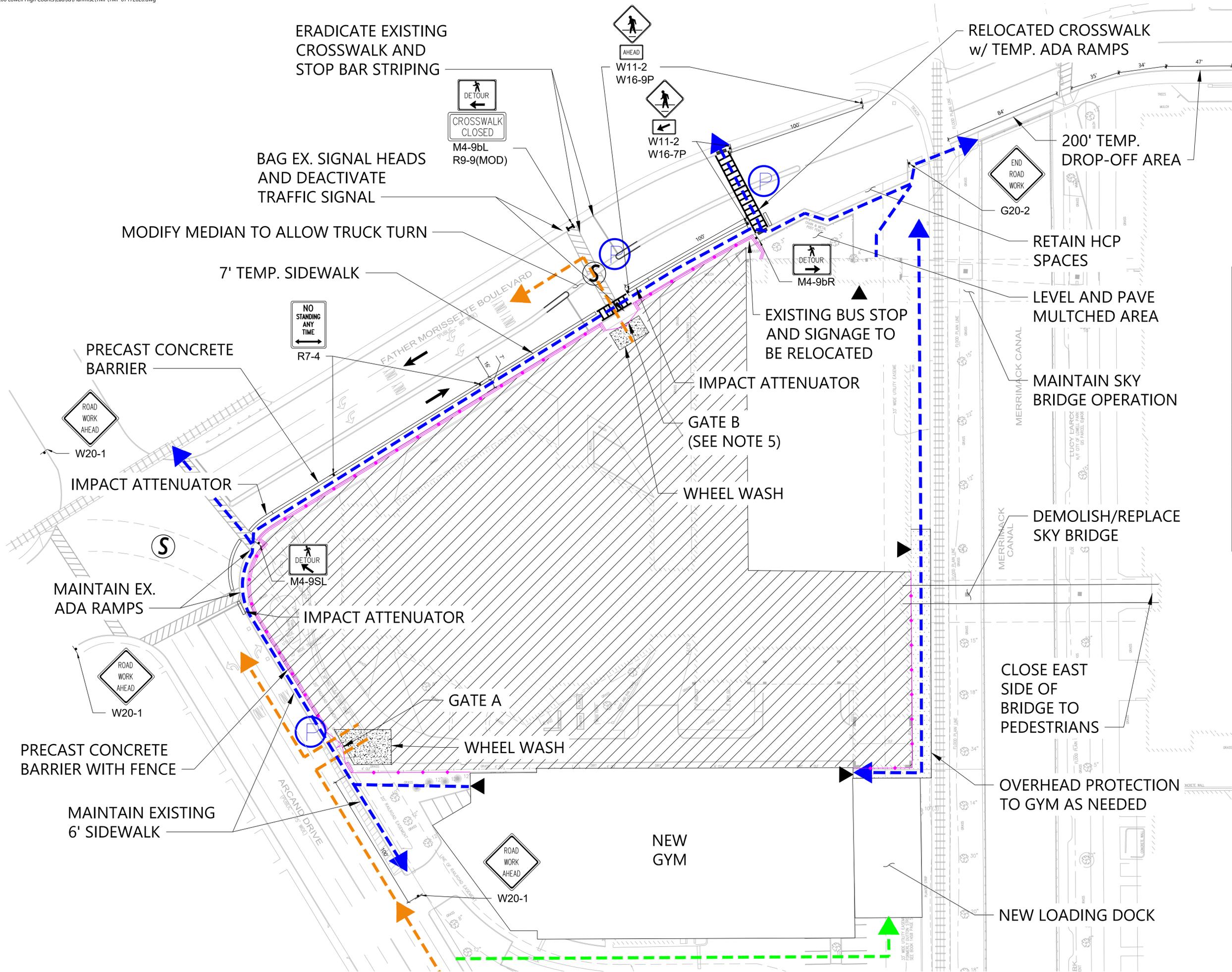
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Phase 1 Overview

Drawing Number

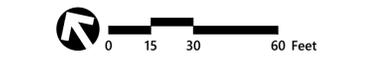
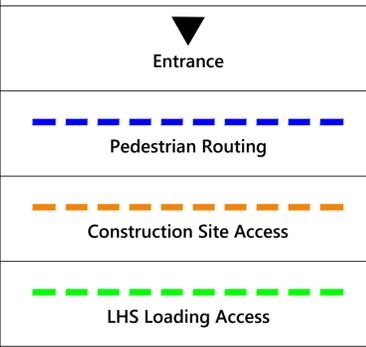
TMP-3

Sheet 3 of 11

Project Number
14565.00



- NOTES:
- UTILITY WORK: LIBRARY, FIELD HOUSE, AND SOUTH SKY BRIDGE DEMOLITION; FOUNDATION WORK; AND BUILDING AND NEW SOUTH SKY BRIDGE ERECTION WILL OCCUR DURING THIS PHASE
 - THE DURATION OF THIS PHASE IS EXPECTED TO BE 84 WEEKS (4/18/2022 - 11/29/2023)
 - APPROXIMATELY 3 TRUCKS PER DAY WILL BE EXPECTED AT THE SITE DURING THIS PHASE
 - NO CONSTRUCTION DELIVERIES DURING MORNING AND EVENING SCHOOL PICK-UP/DROP-OFF HOURS (MONDAY THRU FRIDAY 7:15 AM TO 8:15 AM AND 2:15 PM TO 3:15 PM)
 - GATE B NOT ACTIVE DURING ARRIVAL AND DISMISSAL
 - EMERGENCY VEHICLE ACCESS WILL BE RETAINED DURING AND AFTER WORK HOURS



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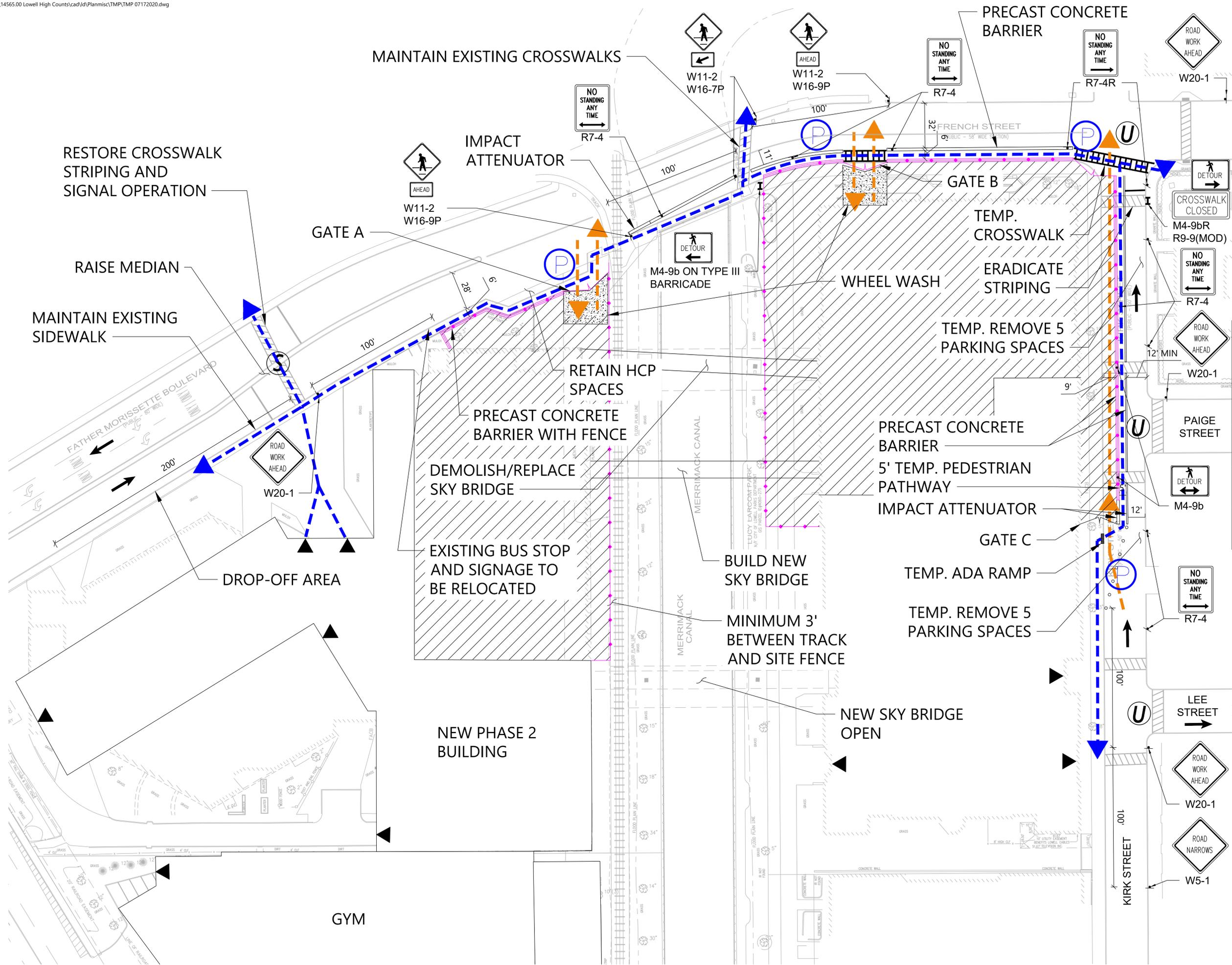
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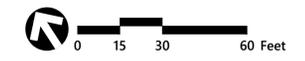
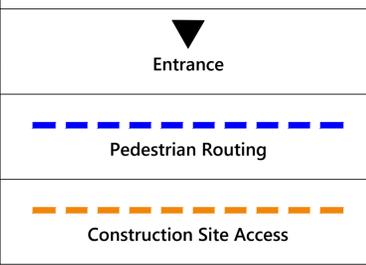
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Phase 2 Overview



99 High Street
Boston, MA 02110
617.728.7777



- NOTES:
1. NORTH BRIDGE DEMOLITION, NEW NORTH SKY BRIDGE ERECTION, AND 1980 WEST BUILDING AND 1922 EAST BUILDING RENOVATIONS WILL OCCUR DURING THIS PHASE (11/30/2023 - 3/21/2025)
 2. THE DURATION OF THIS PHASE IS EXPECTED TO BE 68 WEEKS
 3. APPROXIMATELY 2 TRUCKS PER DAY WILL BE EXPECTED AT THE SITE DURING THIS PHASE
 4. NO CONSTRUCTION DELIVERIES DURING MORNING AND EVENING SCHOOL PICK-UP/DROP-OFF HOURS (MONDAY THRU FRIDAY 7:15 AM TO 8:15 AM AND 2:15 PM TO 3:15 PM)
 5. EMERGENCY VEHICLE ACCESS WILL BE RETAINED DURING AND AFTER WORK HOURS

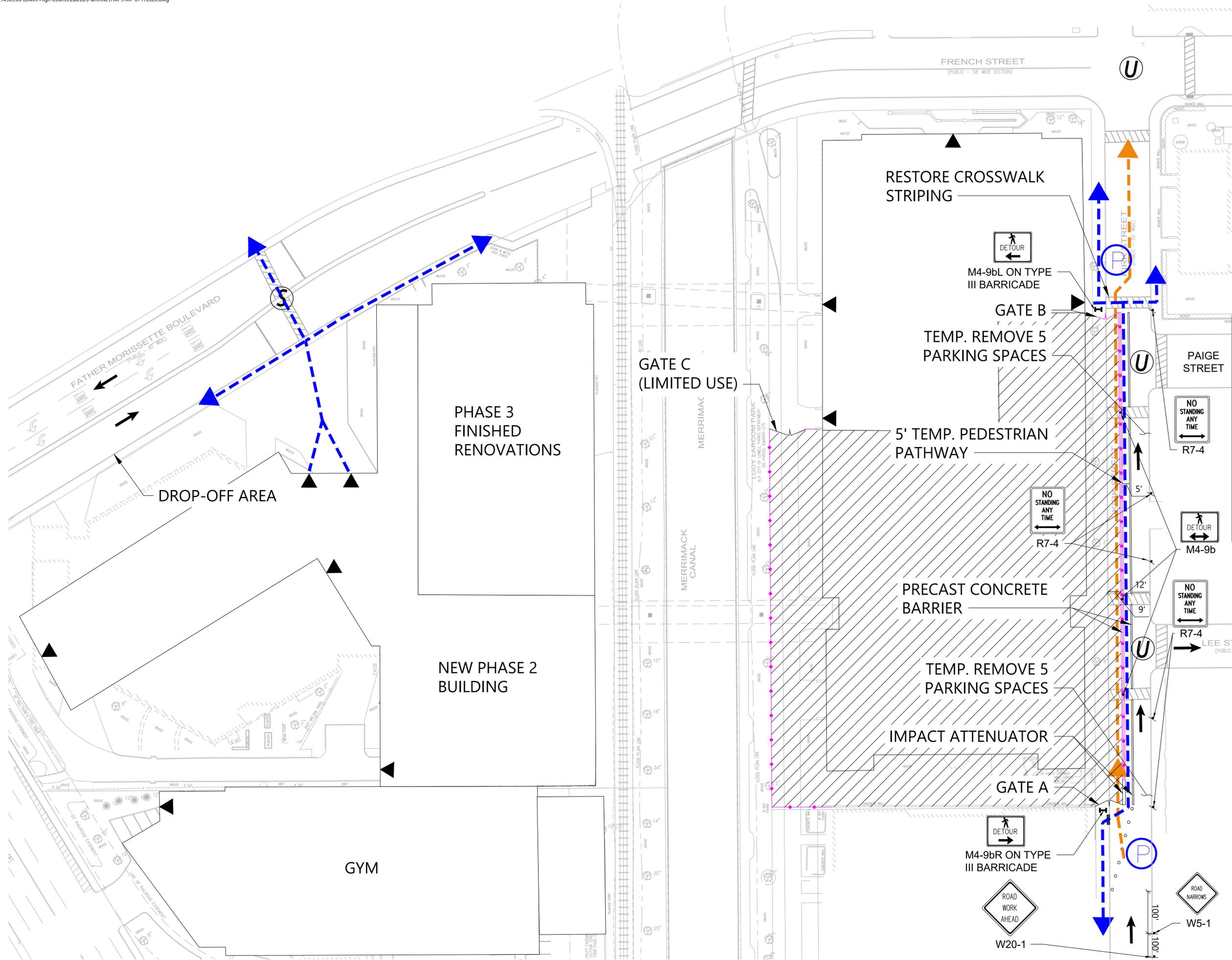


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Lowell, Massachusetts

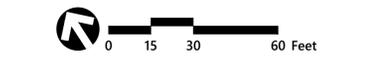
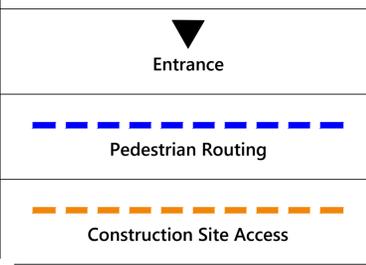
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Issued for: _____ Date: July 22, 2020
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Drawing Title: **Phase 3 Overview**

Drawing Number: _____
TMP-5
Sheet 5 of 11
Project Number: 14565.00



- NOTES:
1. 1892/1922 EAST BUILDING RENOVATIONS WILL OCCUR DURING THIS PHASE
 2. THE DURATION OF THIS PHASE IS EXPECTED TO BE 66 WEEKS (4/21/2025 - 7/24/2026)
 3. APPROXIMATELY 1 TRUCK PER DAY WILL BE EXPECTED AT THE SITE DURING THIS PHASE
 4. NO CONSTRUCTION DELIVERIES DURING MORNING AND EVENING SCHOOL PICK-UP/DROP-OFF HOURS (MONDAY THRU FRIDAY 7:15 AM TO 8:15 AM AND 2:15 PM TO 3:15 PM)
 5. EMERGENCY VEHICLE ACCESS WILL BE RETAINED DURING AND AFTER WORK HOURS



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Lowell, Massachusetts

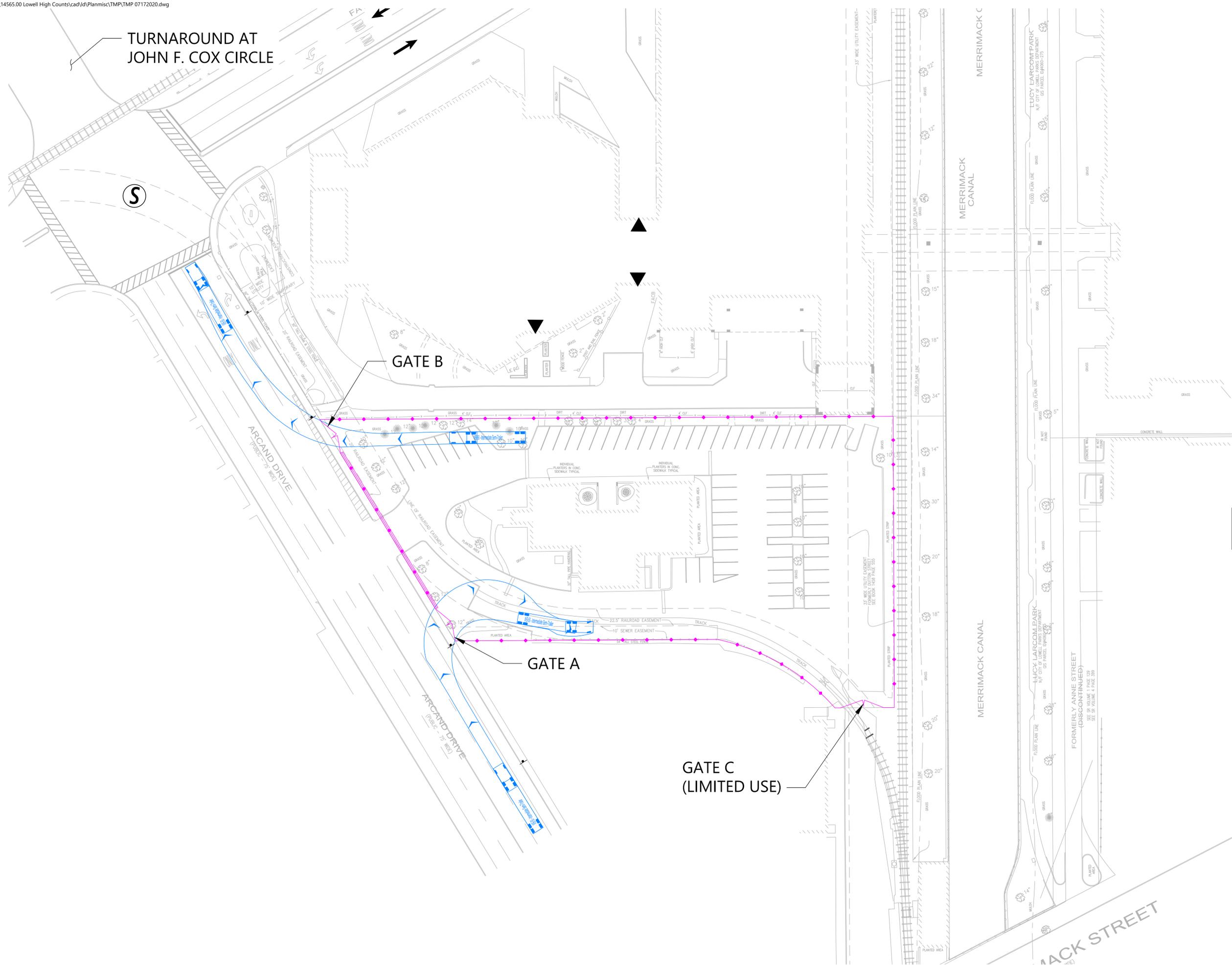
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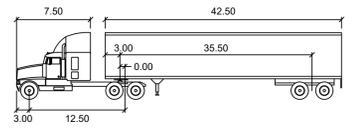
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Drawing Title: **Phase 4 Overview**

TURNAROUND AT JOHN F. COX CIRCLE

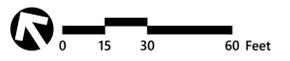


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617.728.7777



WB-50		feet	
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 17.7
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		

NOTE: NO CONSTRUCTION DELIVERIES DURING MORNING AND EVENING SCHOOL PICK-UP/DROP-OFF HOURS (MONDAY THRU FRIDAY 7:15 AM TO 8:15 AM AND 2:15 PM TO 3:15 PM)



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Drawing Title
Phase 1 Truck Turns

Drawing Number

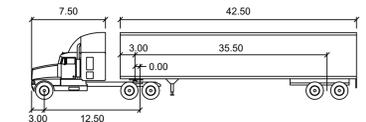
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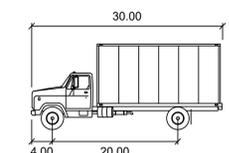
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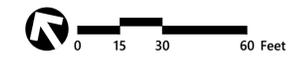


WB-50	feet		
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 17.7
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		



SU-30	feet		
Width	: 8.00		
Track	: 8.00		
Lock to Lock Time	: 6.0		
Steering Angle	: 31.8		

NOTE: 1) NO CONSTRUCTION DELIVERIES DURING MORNING AND EVENING SCHOOL PICK-UP/DROP-OFF HOURS (MONDAY THRU FRIDAY 7:15 AM TO 8:15 AM AND 2:15 PM TO 3:15 PM)
2) GATE B NOT ACTIVE DURING ARRIVAL AND DISMISSAL



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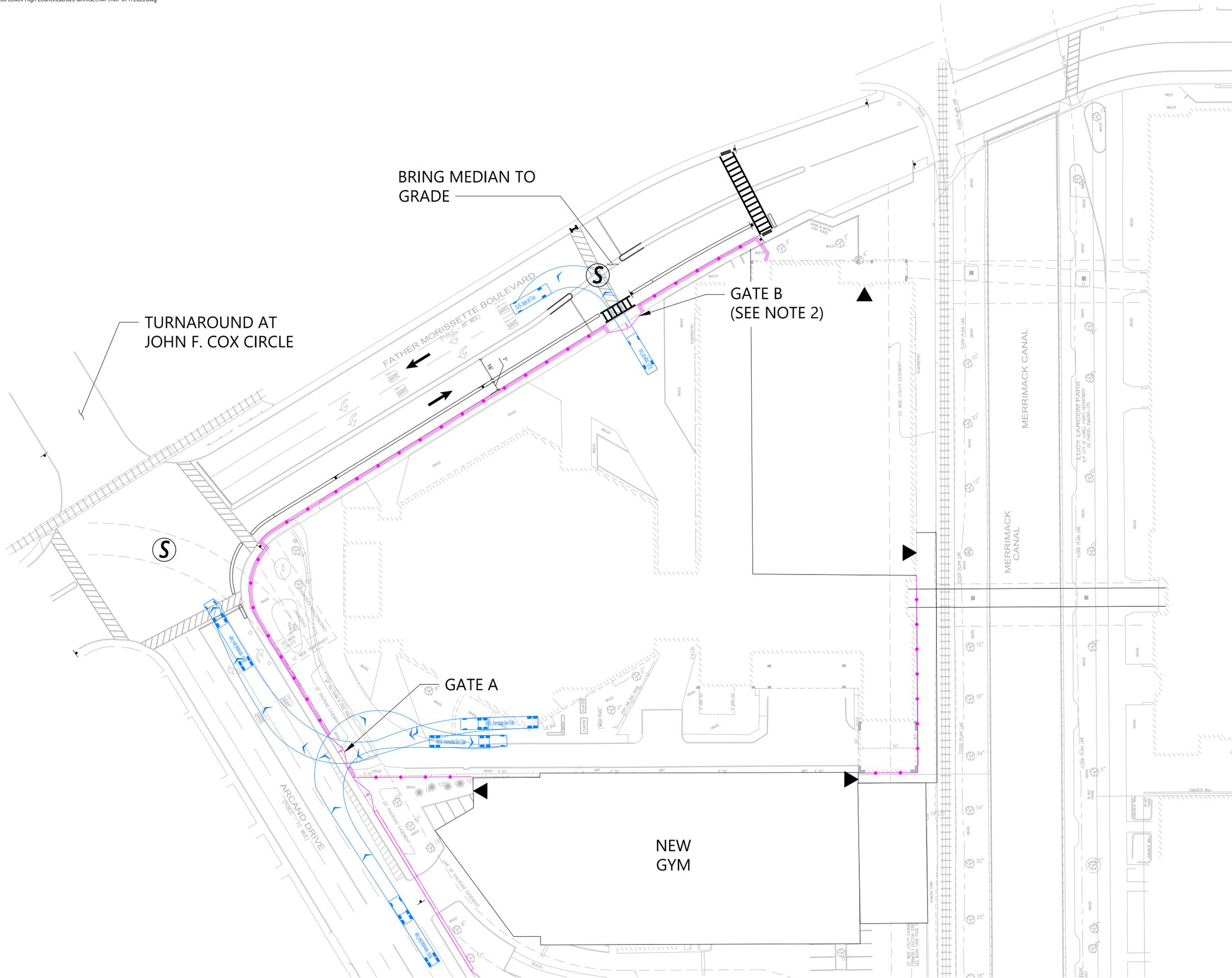
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Drawing Number: _____

TMP-8

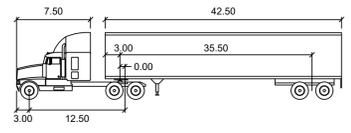
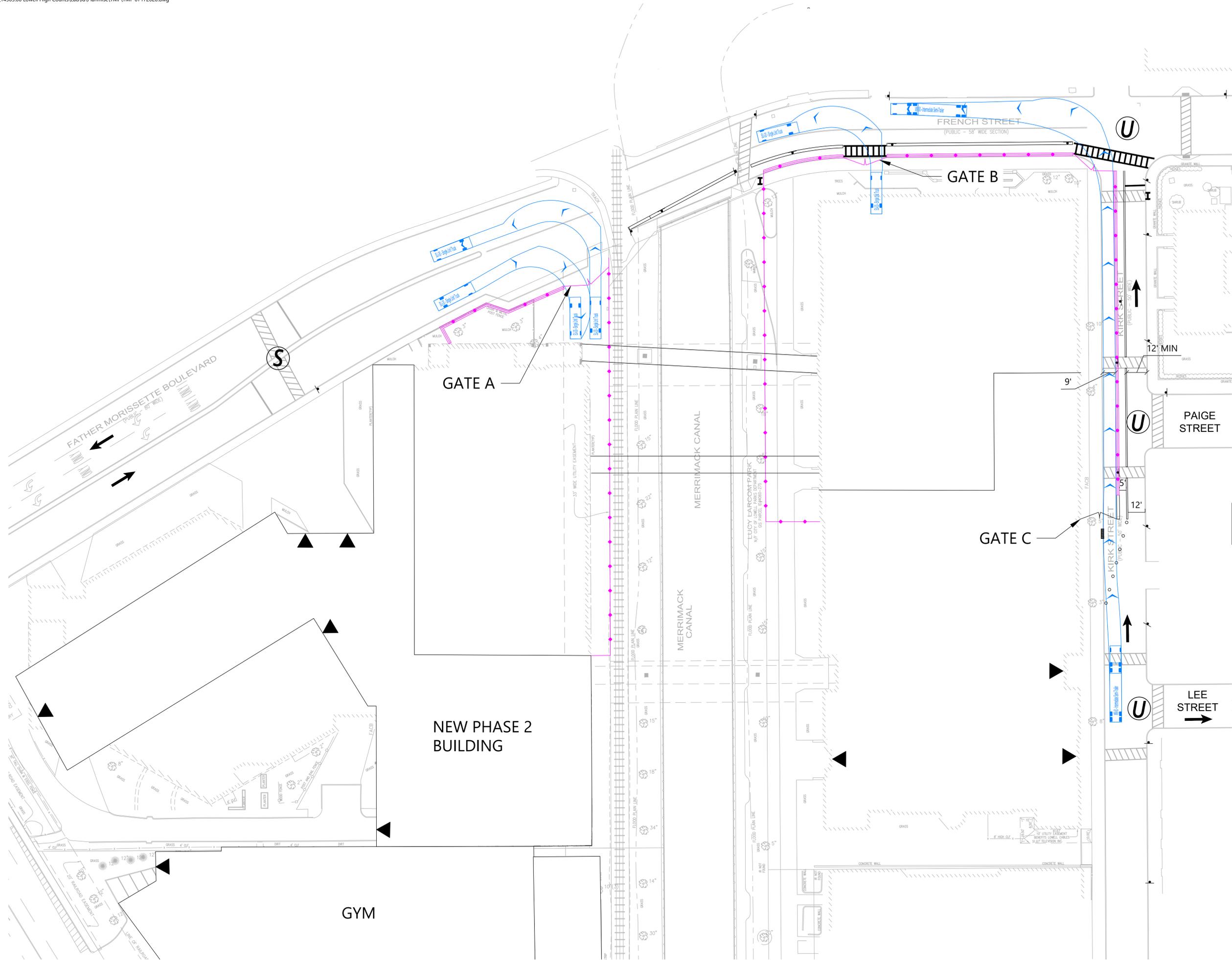
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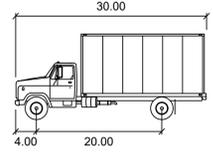




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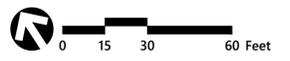


WB-50		feet	
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Tractor Track	: 8.50	Steering Angle	: 17.7
Trailer Track	: 8.50	Articulating Angle	: 70.0



SU-30		feet	
Width	: 8.00		
Track	: 8.00		
Lock to Lock Time	: 6.0		
Steering Angle	: 31.8		

NOTE: NO CONSTRUCTION DELIVERIES DURING MORNING AND EVENING SCHOOL PICK-UP/DROP-OFF HOURS (MONDAY THRU FRIDAY 7:15 AM TO 8:15 AM AND 2:15 PM TO 3:15 PM)



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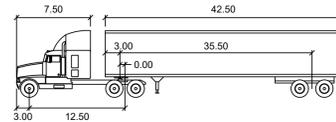
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Phase 3 Truck Turns

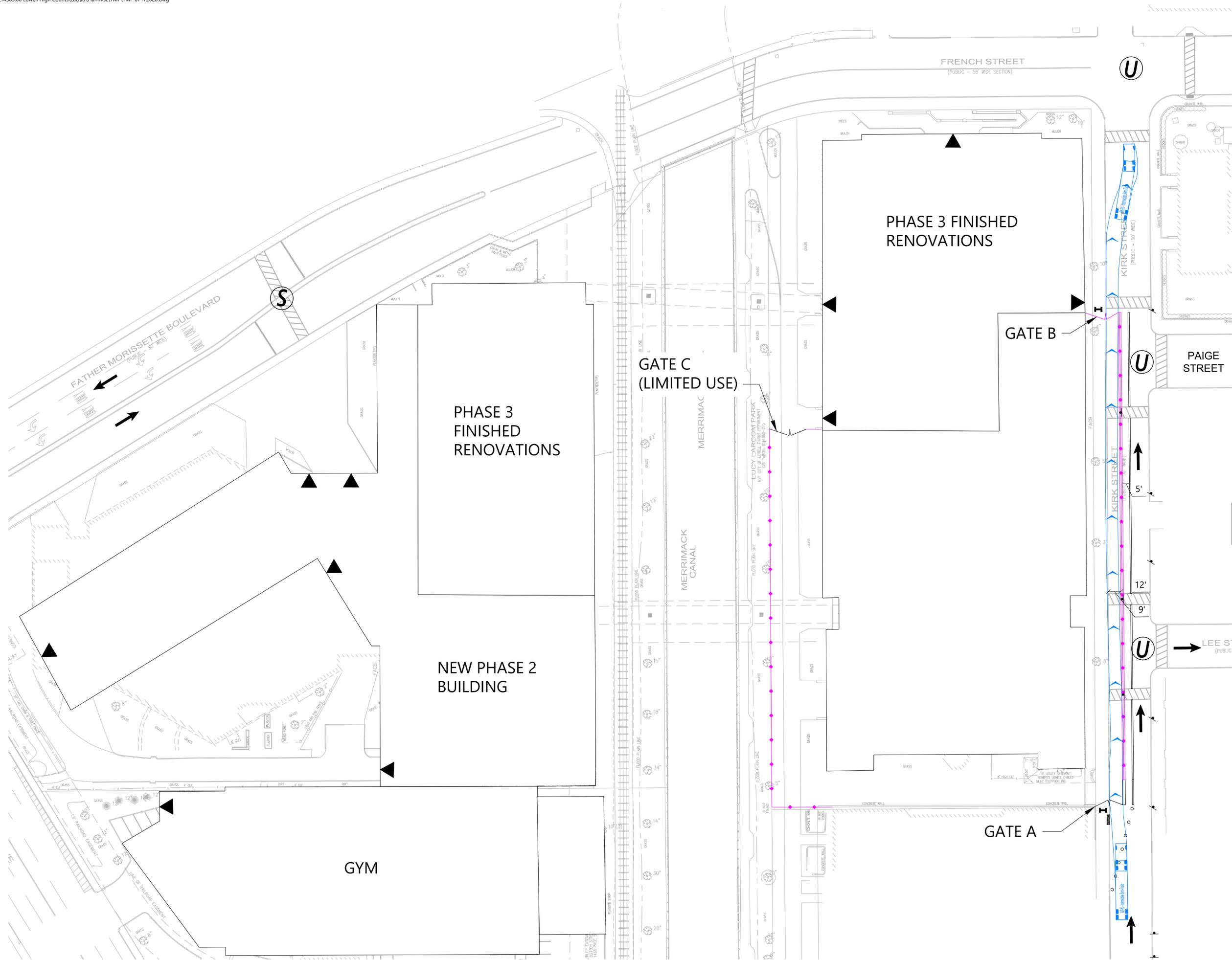
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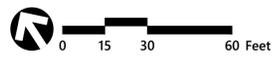
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WB-50	feet		
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 17.7
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		



NOTE: NO CONSTRUCTION DELIVERIES DURING MORNING AND EVENING SCHOOL PICK-UP/DROP-OFF HOURS (MONDAY THRU FRIDAY 7:15 AM TO 8:15 AM AND 2:15 PM TO 3:15 PM)



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Drawing Title
Phase 4 Truck Turns

Drawing Number
TMP-10
Sheet 10 of 11
Project Number
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