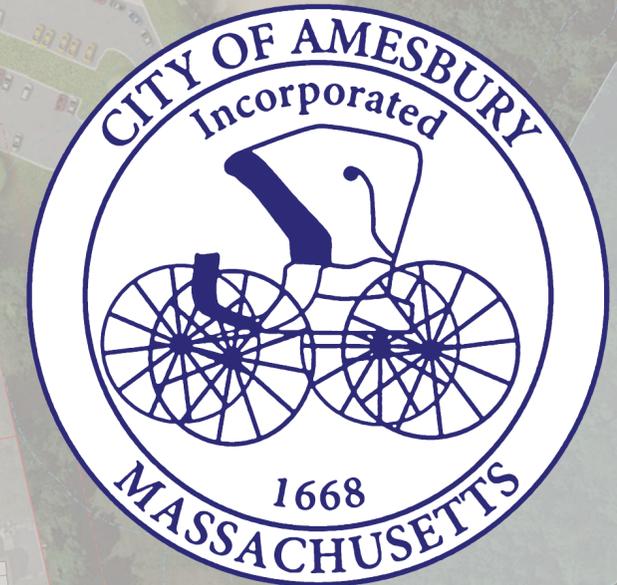




# Amesbury School Building Committee February 24, 2021



# Amesbury Elementary School

 **DINISCO DESIGN**  
architects + planners

# Agenda

- Permitting Update
- Construction Phasing Update
- Playground Equipment Update



# Project Schedule | Milestone Dates

- **Agency Approvals**
  - Planning Board Approval - Decision Received February 17, 2021
  - Conservation Commission - Close Hearing March 1, 2021 with final Order of Conditions - March 5, 2021 (Anticipated)
- **Bid & Award Schedule**
  - March 10, 2021: Bid
  - April 22, 2021: Contractor Award
- **Construction Schedule**
  - Spring 2021 - August 15, 2021: Site Clearing/Prep/Construct New Driveway
  - August 16, 2021 - January 2023 - Building Construction
  - February 2023 - March 2023 - Testing, Inspections, Commissioning

# Existing Conditions | Site Plan



Lions Mouth Road

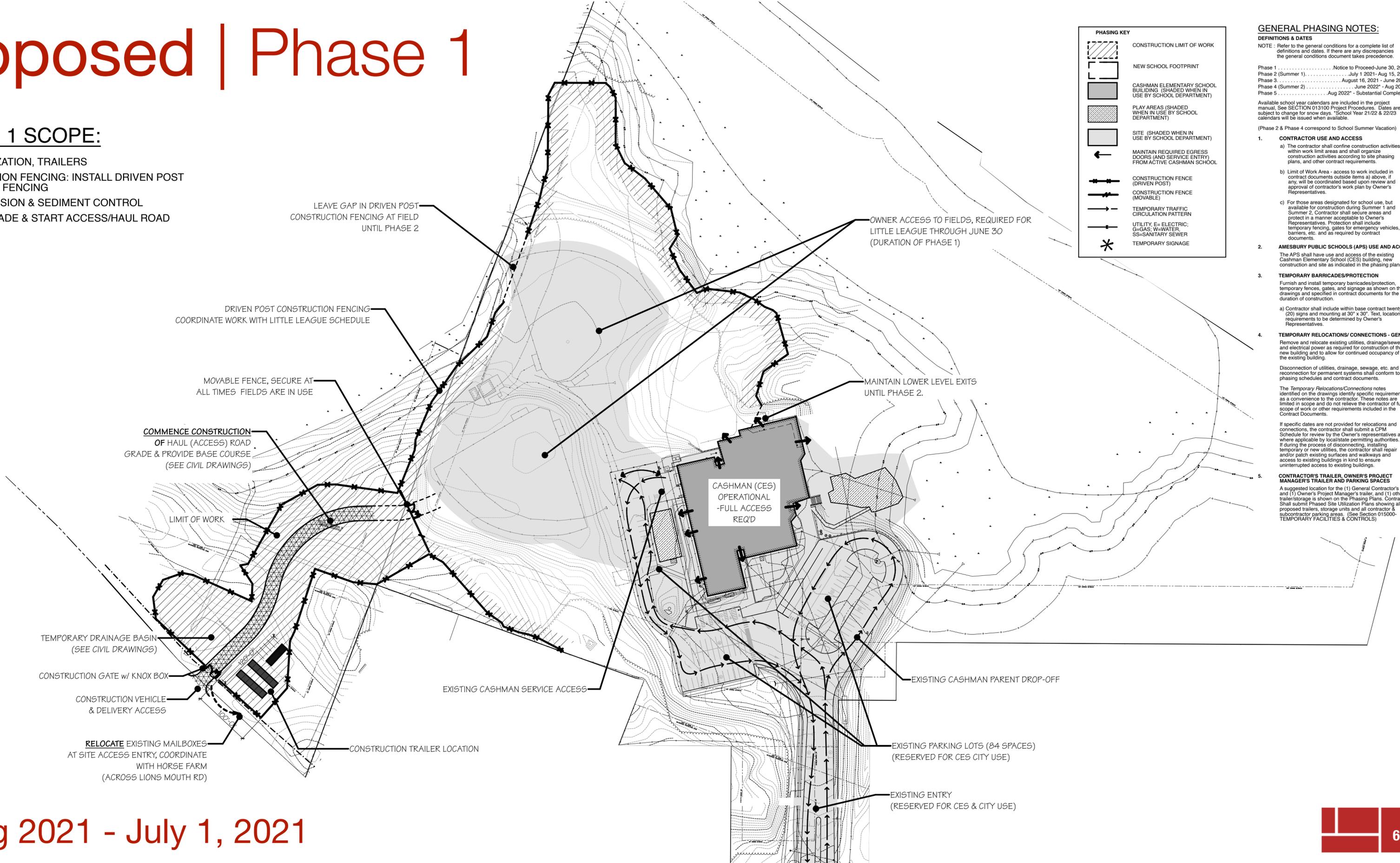
# Proposed | Site Plan



# Proposed | Phase 1

## PHASE 1 SCOPE:

- SITE MOBILIZATION, TRAILERS
- CONSTRUCTION FENCING: INSTALL DRIVEN POST PERIMETER FENCING
- INSTALL EROSION & SEDIMENT CONTROL
- LAYOUT, GRADE & START ACCESS/HAUL ROAD



PHASING KEY	
	CONSTRUCTION LIMIT OF WORK
	NEW SCHOOL FOOTPRINT
	CASHMAN ELEMENTARY SCHOOL BUILDING (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
	PLAY AREAS (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
	SITE (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
	MAINTAIN REQUIRED EGRESS DOORS (AND SERVICE ENTRY) FROM ACTIVE CASHMAN SCHOOL
	CONSTRUCTION FENCE (DRIVEN POST)
	CONSTRUCTION FENCE (MOVABLE)
	TEMPORARY TRAFFIC CIRCULATION PATTERN
	UTILITY: E= ELECTRIC; G= GAS; W= WATER; SS= SANITARY SEWER
	TEMPORARY SIGNAGE

## GENERAL PHASING NOTES:

**DEFINITIONS & DATES**  
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Phase 1 ..... Notice to Proceed-June 30, 2021  
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 Phase 3 ..... August 16, 2021 - June 2022\*  
 Phase 4 (Summer 2) ..... June 2022\* - Aug 2022\*  
 Phase 5 ..... Aug 2022\* - Substantial Completion

Available school year calendars are included in the project manual. See SECTION 013100 Project Procedures. Dates are subject to change for snow days. \*School Year 21/22 & 22/23 calendars will be issued when available.

(Phase 2 & Phase 4 correspond to School Summer Vacation)

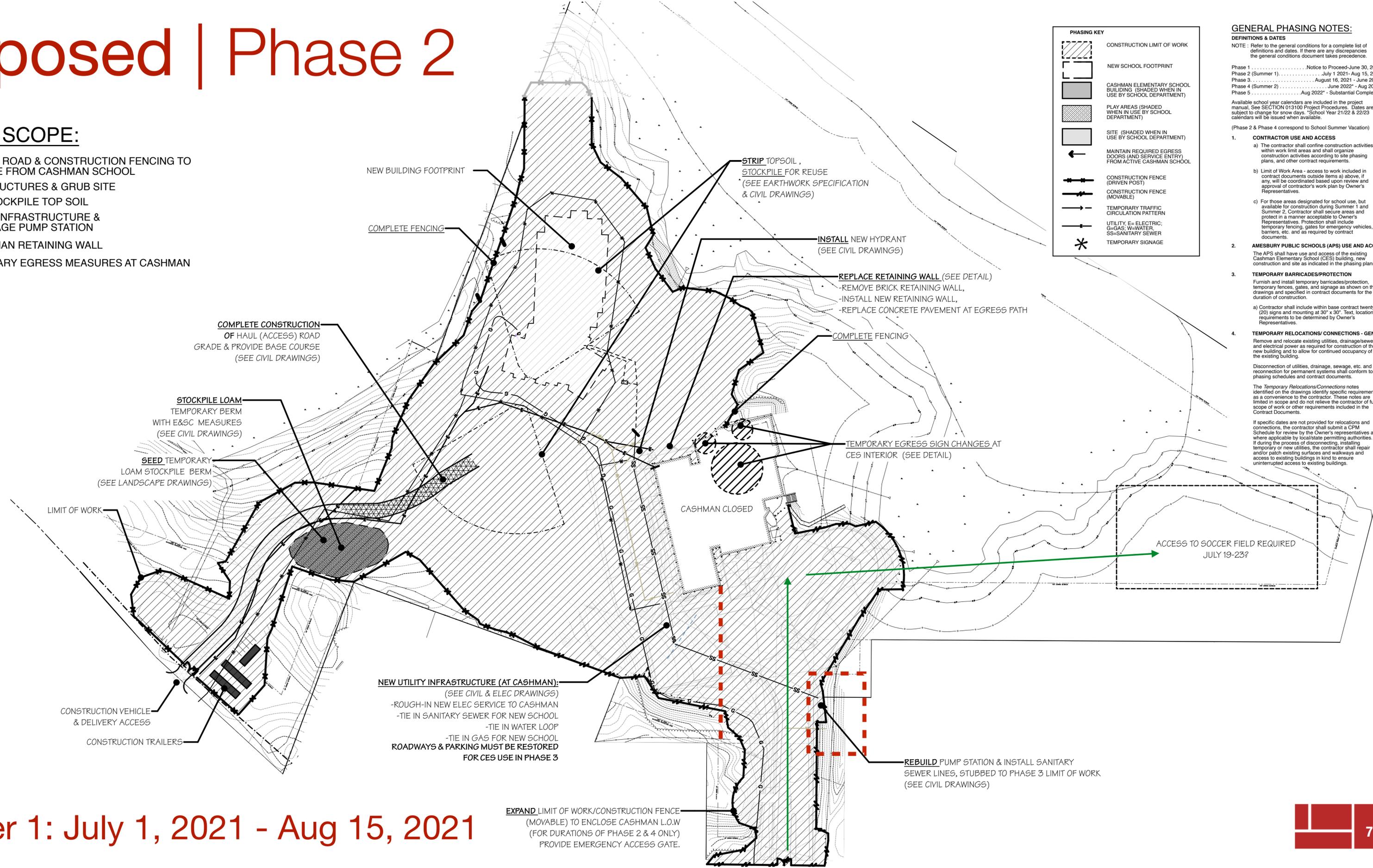
- CONTRACTOR USE AND ACCESS**
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  - For those areas designated for school use, but available for construction during Summer 1 and Summer 2, Contractor shall secure areas and protect in a manner acceptable to Owner's Representatives. Protection shall include temporary fencing, gates for emergency vehicles, barriers, etc. and as required by contract documents.
- AMESBURY PUBLIC SCHOOLS (APS) USE AND ACCESS**  
 The APS shall have use and access of the existing Cushman Elementary School (CES) building, new construction and site as indicated in the phasing plans.
- TEMPORARY BARRICADES/PROTECTION**  
 Furnish and install temporary barricades/protection, temporary fences, gates, and signage as shown on the drawings and specified in contract documents for the duration of construction.
  - Contractor shall include within base contract twenty (20) signs and mounting at 30" x 30". Text, location requirements to be determined by Owner's Representatives.
- TEMPORARY RELOCATIONS/ CONNECTIONS - GENERAL**  
 Remove and relocate existing utilities, drainage/sewer, and electrical power as required for construction of the new building and to allow for continued occupancy of the existing building.  
 Disconnection of utilities, drainage, sewage, etc. and reconnection for permanent systems shall conform to phasing schedules and contract documents.  
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- CONTRACTOR'S TRAILER, OWNER'S PROJECT MANAGER'S TRAILER AND PARKING SPACES**  
 A suggested location for the (1) General Contractor's trailer and (1) Owner's Project Manager's trailer, and (1) other trailer/storage is shown on the Phasing Plans. Contractor shall submit Phased Site Utilization Plans showing all proposed trailers, storage units and all contractor & subcontractor parking areas. (See Section 015000-TEMPORARY FACILITIES & CONTROLS)

Spring 2021 - July 1, 2021

# Proposed | Phase 2

## PHASE 2 SCOPE:

- COMPLETE HAUL ROAD & CONSTRUCTION FENCING TO SEPARATE SITE FROM CASHMAN SCHOOL
- DEMO FIELD STRUCTURES & GRUB SITE
- SCRAPE AND STOCKPILE TOP SOIL
- INSTALL UTILITY INFRASTRUCTURE & REBUILD SEWAGE PUMP STATION
- REPLACE CASHMAN RETAINING WALL
- SET-UP TEMPORARY EGRESS MEASURES AT CASHMAN



PHASING KEY	
	CONSTRUCTION LIMIT OF WORK
	NEW SCHOOL FOOTPRINT
	CASHMAN ELEMENTARY SCHOOL BUILDING (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
	PLAY AREAS (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
	SITE (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
	MAINTAIN REQUIRED EGRESS DOORS (AND SERVICE ENTRY) FROM ACTIVE CASHMAN SCHOOL
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	CONSTRUCTION FENCE (MOVABLE)
	TEMPORARY TRAFFIC CIRCULATION PATTERN
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(Phase 2 & Phase 4 correspond to School Summer Vacation)

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Summer 1: July 1, 2021 - Aug 15, 2021

**EXPAND** LIMIT OF WORK/CONSTRUCTION FENCE (MOVABLE) TO ENCLOSE CASHMAN L.O.W (FOR DURATIONS OF PHASE 2 & 4 ONLY) PROVIDE EMERGENCY ACCESS GATE.

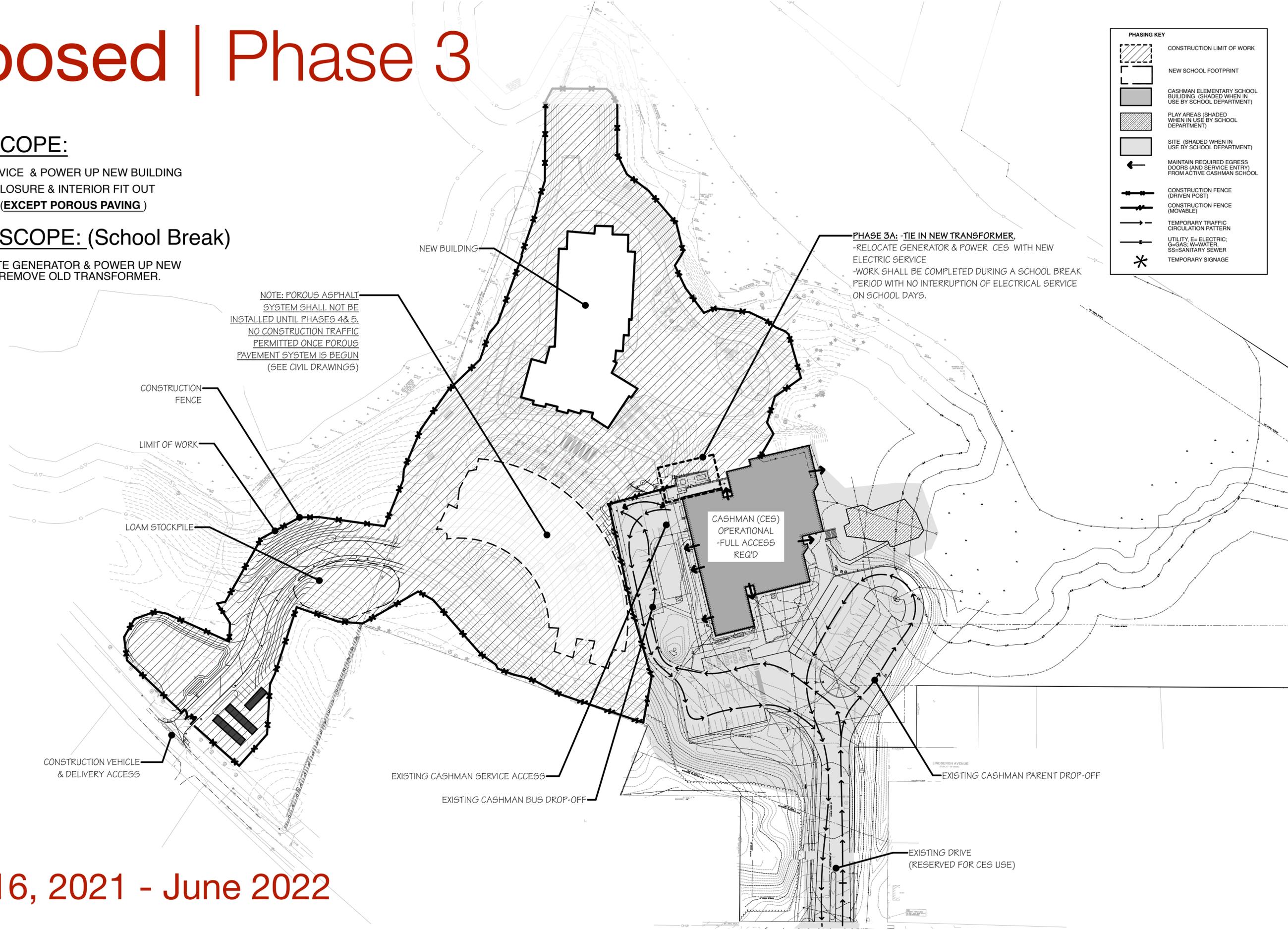
# Proposed | Phase 3

## PHASE 3 SCOPE:

- NEW ELECTRIC SERVICE & POWER UP NEW BUILDING
- NEW BUILDING: ENCLOSURE & INTERIOR FIT OUT
- SITE WORK: ROADS (EXCEPT POROUS PAVING)

## PHASE 3A SCOPE: (School Break)

- CASHMAN: RELOCATE GENERATOR & POWER UP NEW TRANSFORMER. , REMOVE OLD TRANSFORMER.



NOTE: POROUS ASPHALT SYSTEM SHALL NOT BE INSTALLED UNTIL PHASES 4 & 5. NO CONSTRUCTION TRAFFIC PERMITTED ONCE POROUS PAVEMENT SYSTEM IS BEGUN (SEE CIVIL DRAWINGS)

PHASE 3A: -TIE IN NEW TRANSFORMER, -RELOCATE GENERATOR & POWER CES WITH NEW ELECTRIC SERVICE -WORK SHALL BE COMPLETED DURING A SCHOOL BREAK PERIOD WITH NO INTERRUPTION OF ELECTRICAL SERVICE ON SCHOOL DAYS.

PHASING KEY	
	CONSTRUCTION LIMIT OF WORK
	NEW SCHOOL FOOTPRINT
	CASHMAN ELEMENTARY SCHOOL BUILDING (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
	PLAY AREAS (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
	SITE (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
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	TEMPORARY TRAFFIC CIRCULATION PATTERN
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### GENERAL PHASING NOTES:

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(Phase 2 & Phase 4 correspond to School Summer Vacation)

- CONTRACTOR USE AND ACCESS**
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 If during the process of disconnecting, installing temporary or new utilities, the contractor shall repair and/or patch existing surfaces and walkways and access to existing buildings in kind to ensure uninterrupted access to existing buildings.

August 16, 2021 - June 2022

# Proposed | Phase 4

## PHASE 4 SCOPE:

- REPLACE CASHMAN PARKING LOT & ENTRY DRIVE INCLUDING STORM WATER RETENTION UNDER PARKING LOT
- COMPLETION OF FULL SCOPE ROAD WORK BEFORE CASHMAN SCHOOL FALL START DATE
- LANDSCAPING
- SITE SIGNAGE
- BUILDOUT OF NEW BUILDING



PHASING KEY	
	CONSTRUCTION LIMIT OF WORK
	NEW SCHOOL FOOTPRINT
	CASHMAN ELEMENTARY SCHOOL BUILDING (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
	PLAY AREAS (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
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Summer 2: June 2022 - August 2022

# Proposed | Phase 5

## PHASE 5 SCOPE:

### -COMPLETE BUILD-OUT OF NEW BUILDING

-COMPLETE PUNCHLIST

### POROUS PAVING

-REMOVE TEMP PARKING STRIPING AT ROADWAYS

-REMOVE ALL SITE FENCING & E&SC

-REMOVE TEMPORARY SIGNAGE

-INSTALL FINAL PAVEMENT MARKINGS & SITE SIGNAGE

### -FF&E & TECHNOLOGY LOAD-IN

-PREP FOR SCHOOL DEPARTMENT MOVE-IN

### COMPLETE CONSTRUCTION OF NEW BUILDING

-PUNCH-LIST  
-COMMISSIONING

ENTRY FOR  
FF&E LOAD-IN,  
OWNER MOVE IN

### COMPLETE INSTALLATION OF POROUS ASPHALT PAVEMENT SYSTEM:

-ALL LANDSCAPING ACTIVITY AND CONSTRUCTION TRAFFIC UNRELATED TO POROUS PAVEMENT SYSTEM INSTALLATION/STRIPING IS FORBIDDEN FROM THE START OF THE RESERVOIR COURSE THROUGH SUBSTANTIAL COMPLETION  
-SEE CIVIL DRAWINGS

### INSTALL & MAINTAIN BARRICADES TO PREVENT ALL TRAFFIC

FROM START OF POROUS PAVING INSTALLATION THROUGH SUBSTANTIAL COMPLETION

PROVIDE TEMPORARY SIGNAGE DIRECTING FF&E & USER LOAD-IN

REMOVE TEMPORARY BERM: DISTRIBUTE LOAM RESTORE MEADOW (SEE LANDSCAPE DRAWINGS)

TEMPORARY TWO WAY TRAFFIC COORDINATE FF&E LOAD-IN & OWNER MOVE IN ACTIVITIES

CONSTRUCTION FENCE

REMOVE SITE TRAILERS: RESTORE MEADOW (SEE LANDSCAPE DRAWINGS)

CONSTRUCTION VEHICLE & DELIVERY ACCESS

PROVIDE TEMPORARY SIGNAGE: (TWO-WAY TRAFFIC-FF&E LOAD-IN)

CASHMAN BUS DROP OFF

MOVABLE CONSTRUCTION FENCING: MAINTAIN CLEAR SEPARATION FROM CASHMAN OPERATIONS

PROVIDE GATE AT FENCING FOR SCHOOL EMERGENCY ACCESS

CES BUS CIRCULATION ROUTE

TEMPORARY CES PARALLEL PARKING (20 CARS) AND SIGNAGE TO REMAIN UNTIL NEW POROUS LOT IS AVAILABLE

CASHMAN BUS & VEHICULAR EXIT CIRCULATION

ACCOMMODATION FOR CASHMAN SCHOOL BUS EGRESS REQUIRED: TEMPORARY BITUMINOUS PAVEMENT APRON STRUCTURE, ALLOWING TURN AROUND FOR BUSES & EMERGENCY VEHICLES. NOTE: APRON REMOVED & LANDSCAPING COMPLETED SPRING OR SUMMER 2023

PROVIDE GATE AT FENCING FOR SCHOOL EMERGENCY ACCESS

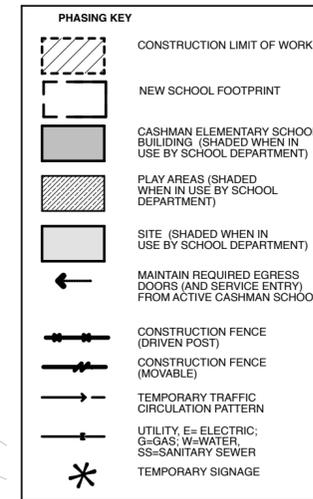
REMOVE TEMPORARY EMERGENCY EGRESS MEASURES, RESTORE EGRESS SIGNAGE & REINSTALL ORIGINAL EXIT SIGNAGE AT ORIGINAL LOCATIONS IN CASHMAN SCHOOL AT END OF PHASE 5. SEE ELECTRICAL DRAWINGS. (OFF HOURS WORK)

CASHMAN (CES) OPERATIONAL -FULL ACCESS REQ'D

CES PARENT DROP CIRCULATION ROUTE

REMOVE TEMPORARY PARKING MARKINGS & SIGNAGE AT END OF PHASE 5 AFTER POROUS PAVEMENT LOT IS TURNED OVER FOR SCHOOL USE

ENTRY DRIVE RESERVED FOR CES USE DURING SCHOOL HOURS. -SCHEDULE ON-GOING CONSTRUCTION ACTIVITIES AS OFF-HOURS WORK



## GENERAL PHASING NOTES:

### DEFINITIONS & DATES

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August 2022 to Spring 2023





# Playground| PRE-K & Kindergarten Previous Playground



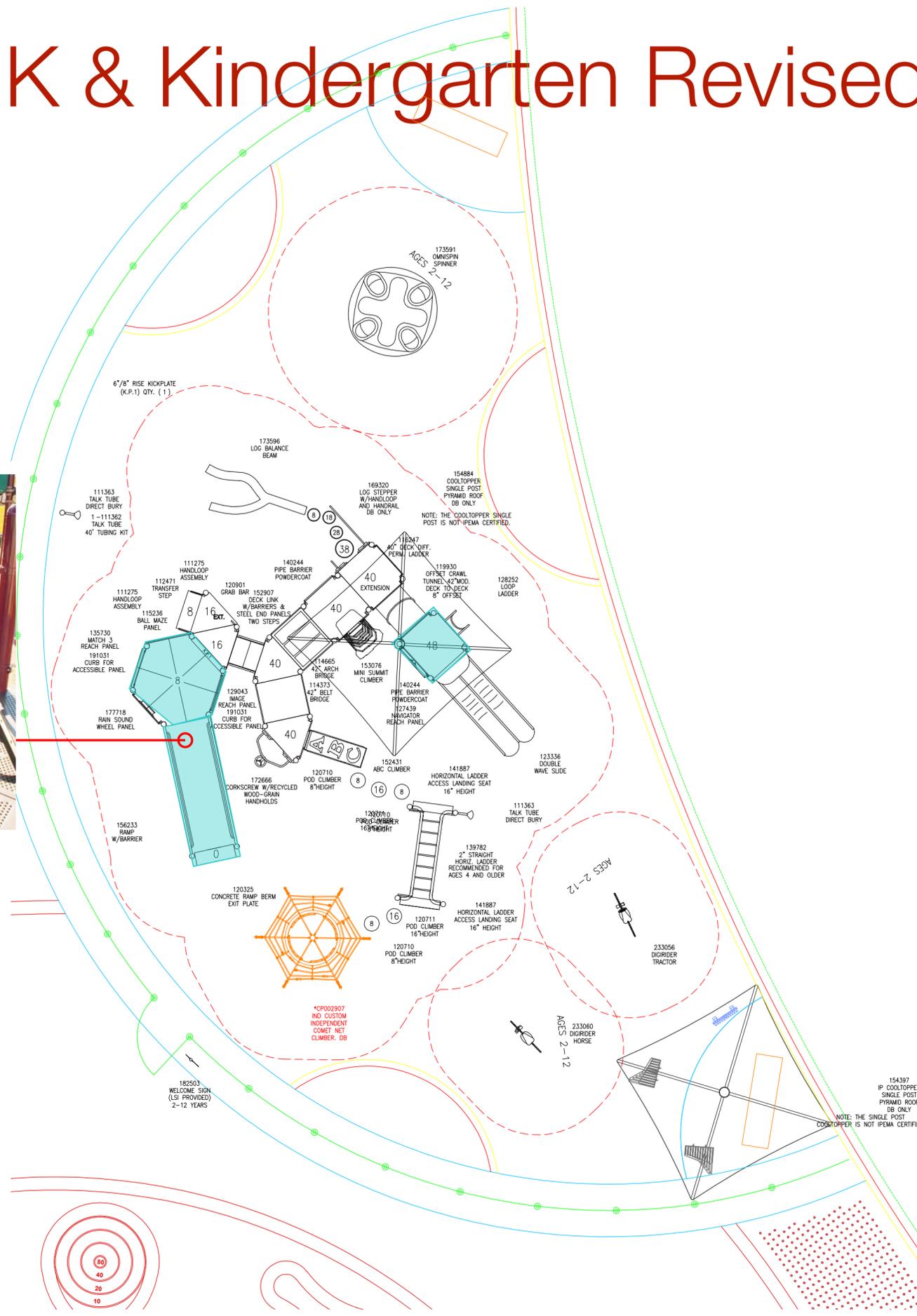
# Playground| PRE-K & Kindergarten Previous Playground



# Playground| PRE-K & Kindergarten Previous Playground



# Playground| PRE-K & Kindergarten Revised Playground Plan



# Playground| PRE-K & Kindergarten Revised Playground



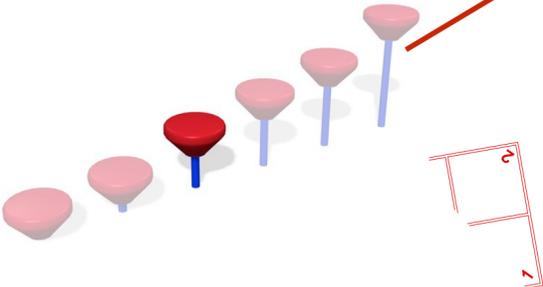
# Playground| PRE-K & Kindergarten Revised Playground



# Playground| PRE-K & Kindergarten Revised Playground



# Playground| Grades 1-2 Previous Playground Plan



# Playground | Grades 1-2 Previous Playground



# Playground | Grades 1-2 Previous Playground





# Playground | Grades 1-2 Revised Playground



# Playground | Grades 1-2 Revised Playground



# Schedule Summary

	Start	Finish	2020												2021				
			Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	April	May	
			3 10 17 24	2 9 16 23 30	6 13 20 27	4 11 18 25	1 8 15 22 29	6 13 20 27	3 10 17 24 31	7 14 21 28	5 12 19 26	2 9 16 23 30	7 14 21 28	4 11 18 25	1 8 15 22	1 8 15 22 29	5 12 19 26	3 10 17 24 31	
<b>Construction Documents</b>	<b>11-Feb-20</b>	<b>9-Oct-20</b>	[Yellow bar]																
90% CD Docs Complete		21-Aug-20																	
90% Cost Est./Reconciliation Complete		11-Sep-20																	
Submit 90% CD Package to MSBA		21-Sep-20																	
100% CD Package Complete		20-Nov-20																	
<b>Regulatory Review</b>	<b>27-Jan-20</b>	<b>1-Mar-21</b>	[Pink bar]																
PB Site Plan Review Mtg		24-Feb-20																	
Conservation Comm NOI Public Hearing		2-Mar-20																	
Conservation Comm NOI Public Hearing		6-Jul-20																	
PB Site Plan Review Mtg		16-Nov-20																	
Conservation Comm NOI Public Hearing		7-Dec-20																	
PB Site Plan Review Mtg		14-Dec-20																	
Conservation Comm NOI Public Hearing		4-Jan-21																	
PB Site Plan Review Mtg		11-Jan-21																	
PB Site Plan Review Mtg (Close Hearing)		25-Jan-21																	
PB Site Plan Review Mtg (Decision)		8-Feb-21																	
Conservation Comm NOI Public Hearing (Close Hearing and Decision)		1-Mar-21																	
<b>General and Filed Sub-bidder Prequalification</b>	<b>16-Jul-20</b>	<b>13-Oct-20</b>	[Blue bar]																
<b>Bid/Award</b>	<b>10-Mar-21</b>	<b>22-Apr-21</b>													[Dark Blue bar]				
Issue Documents to Bidders		10-Mar-21																	
Filed Sub-Bids Due		7-Apr-21																	
General Bids Due		14-Apr-21																	
Vote to Award		22-Apr-21																	
<b>Construction/FF&amp;E/Move</b>	<b>23-Apr-21</b>	<b>27-Mar-23</b>													[Green bar with arrow]				
Substantial Completion		23-Jan-23																	
FF&E Complete		6-Mar-23																	
Earliest School Opening		27-Mar-23																	



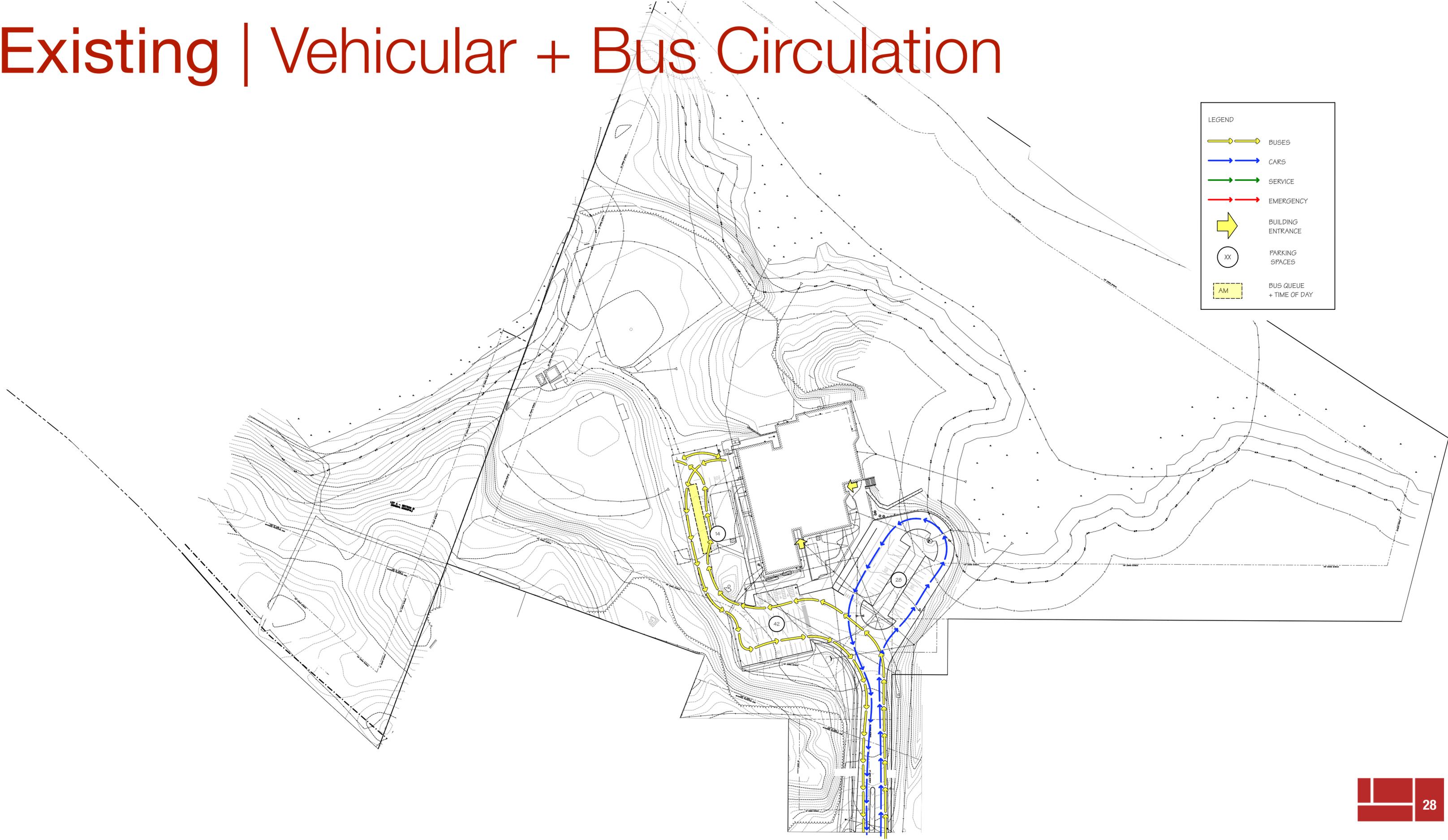
**Amesbury School  
Building  
Committee  
February 24, 2021**



**Amesbury  
Elementary School**



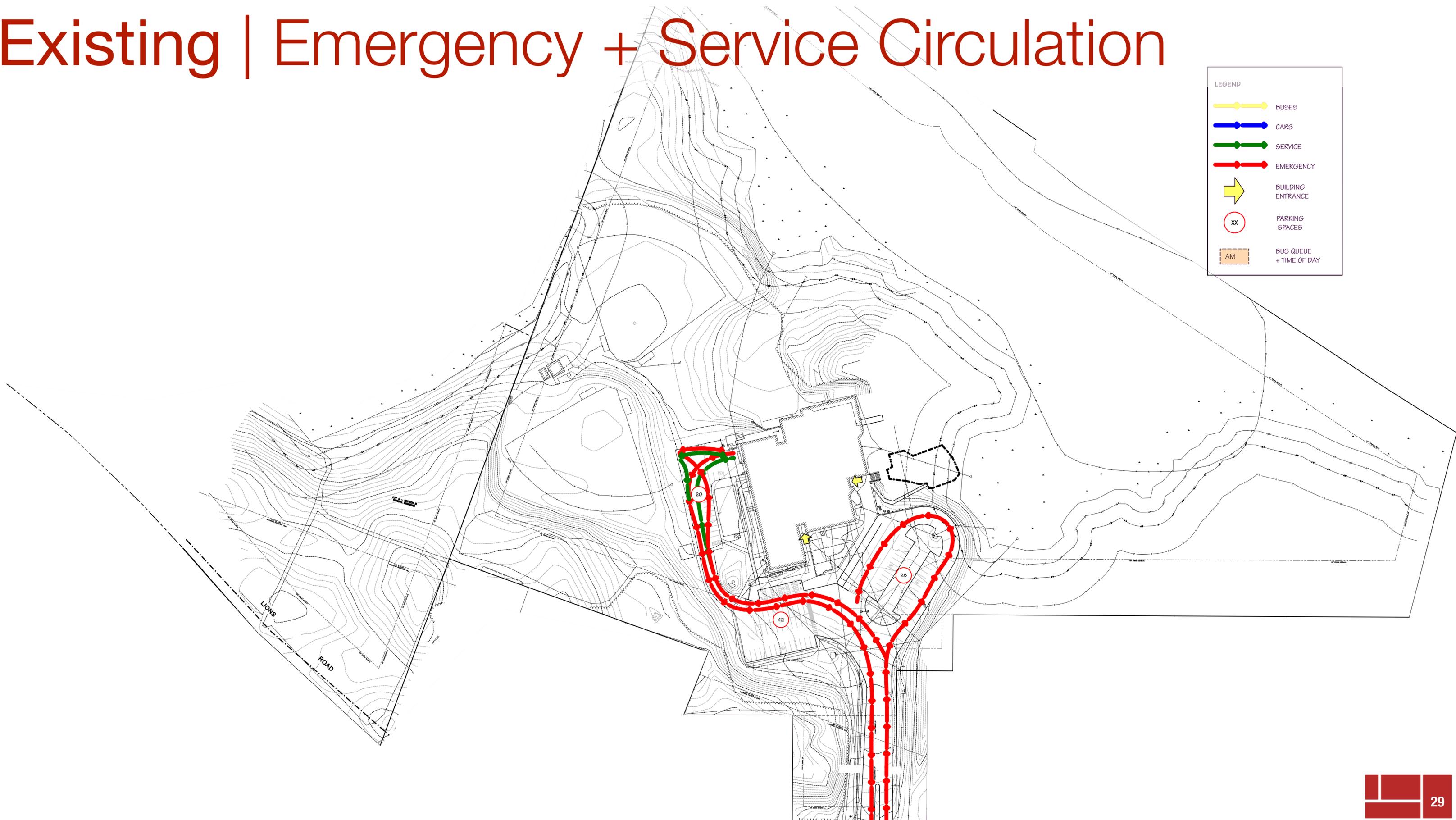
# Existing | Vehicular + Bus Circulation



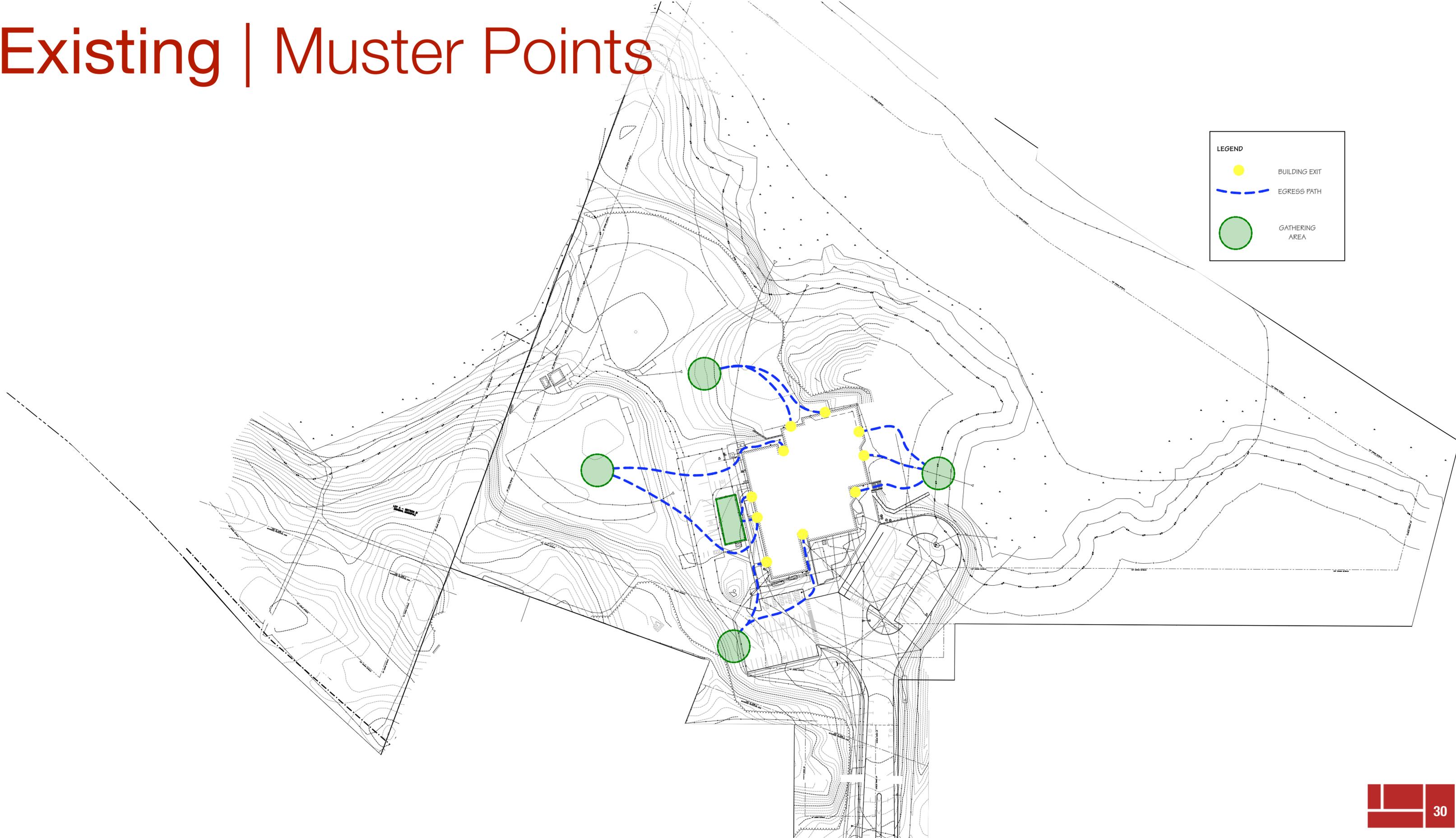
LEGEND

- BUSES
- CARS
- SERVICE
- EMERGENCY
- BUILDING ENTRANCE
- PARKING SPACES
- BUS QUEUE + TIME OF DAY

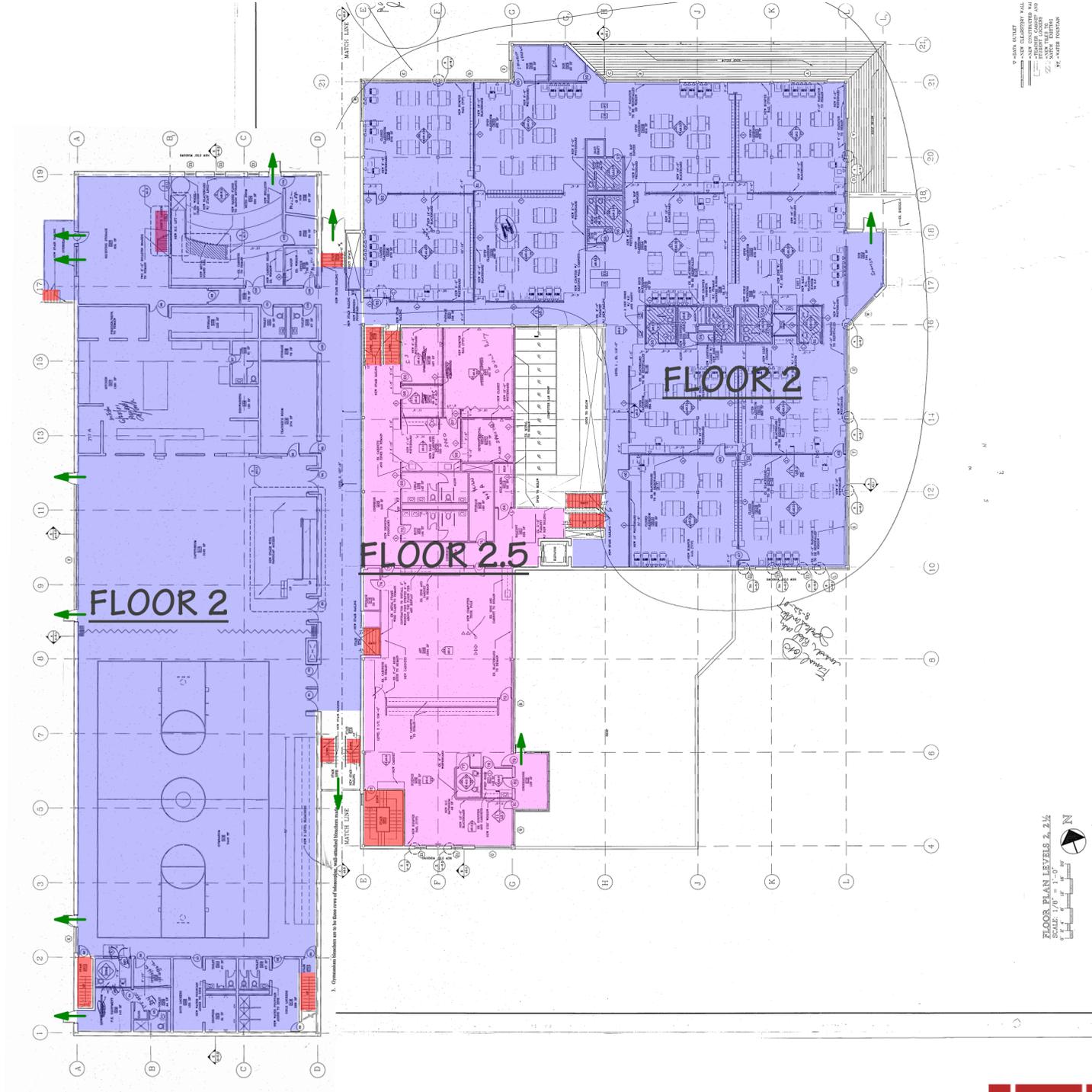
# Existing | Emergency + Service Circulation



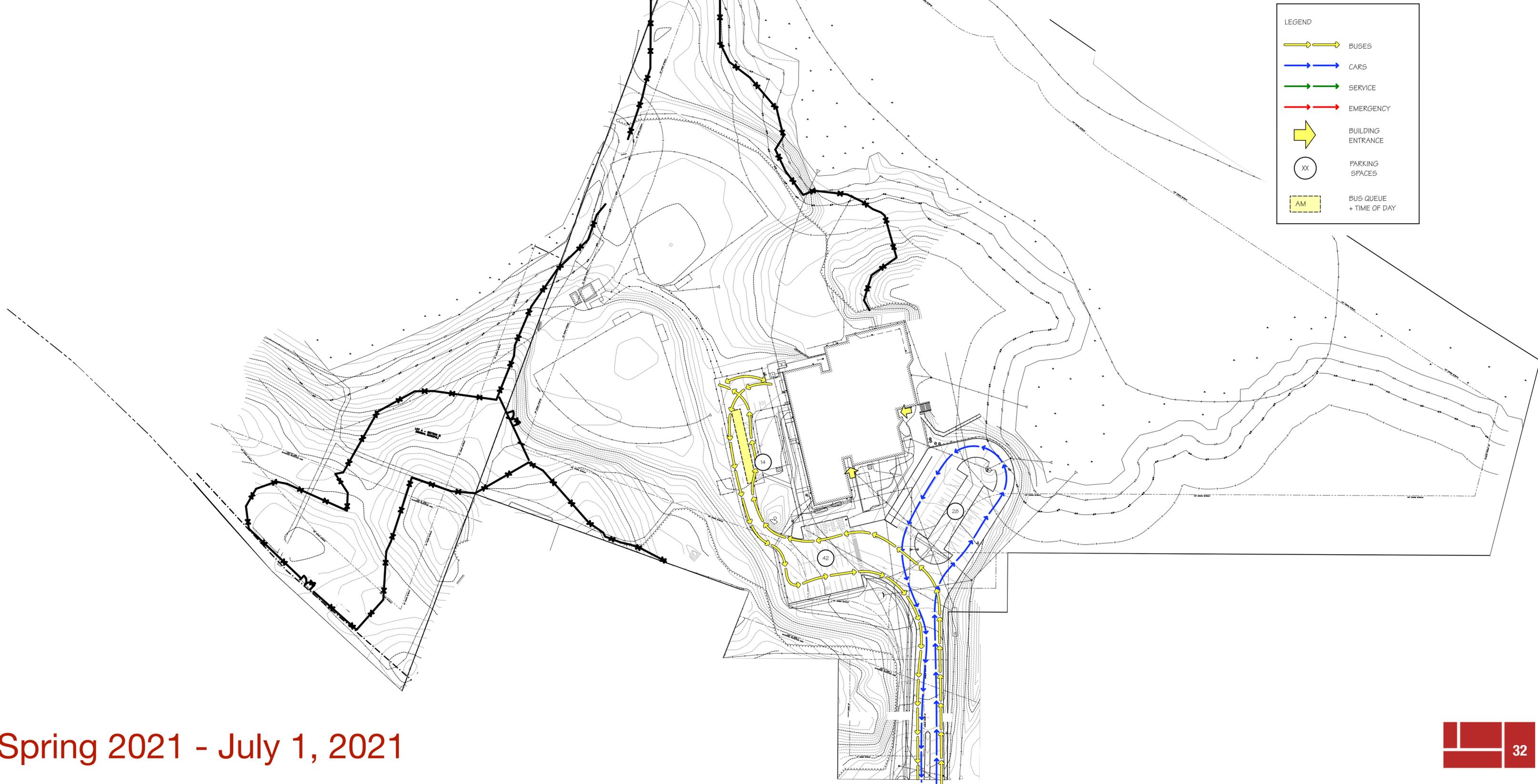
# Existing | Muster Points



# Existing | Cashman Floor Plans

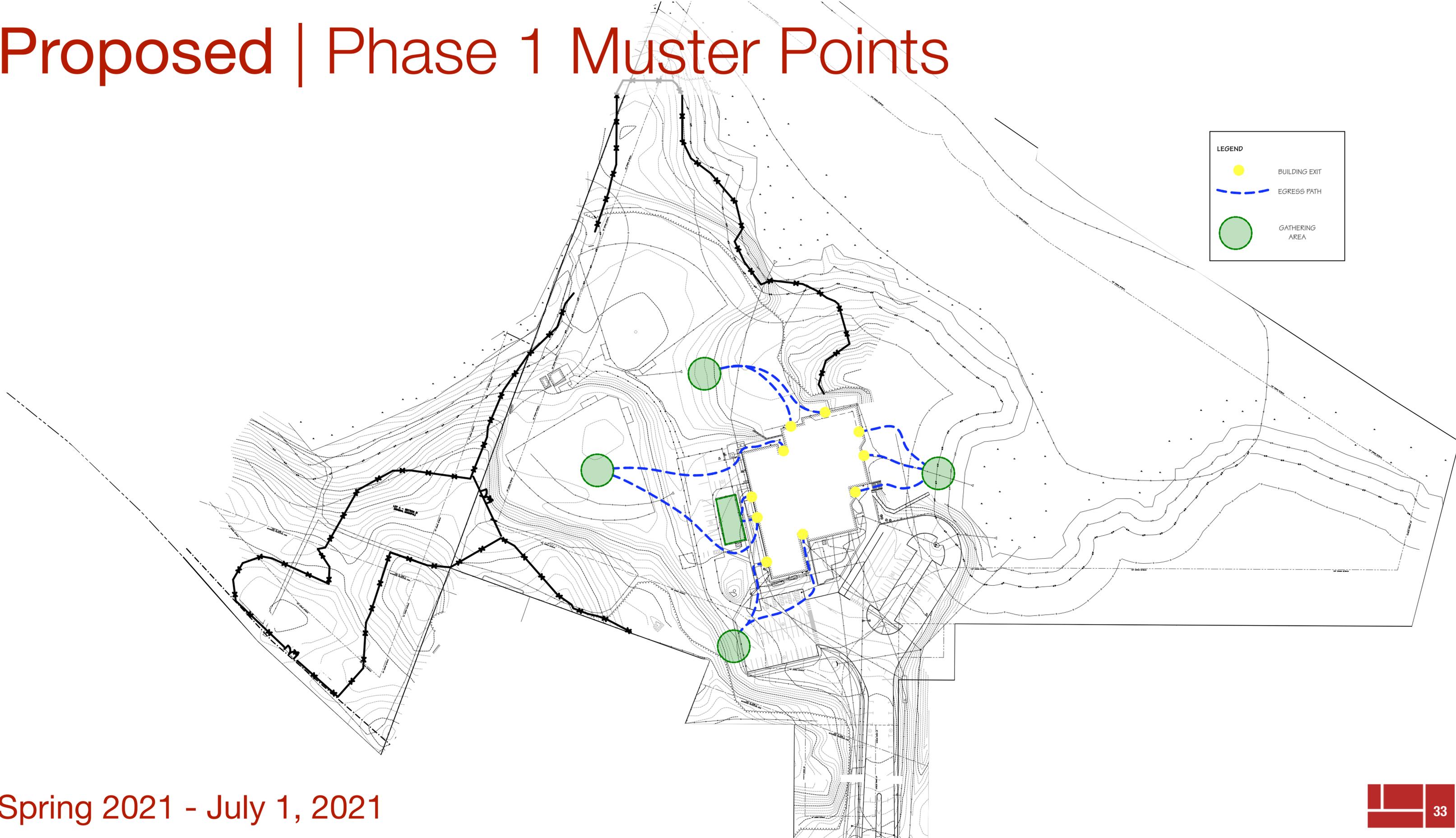


# Proposed | Phase 1 Vehicular + Bus Circulation



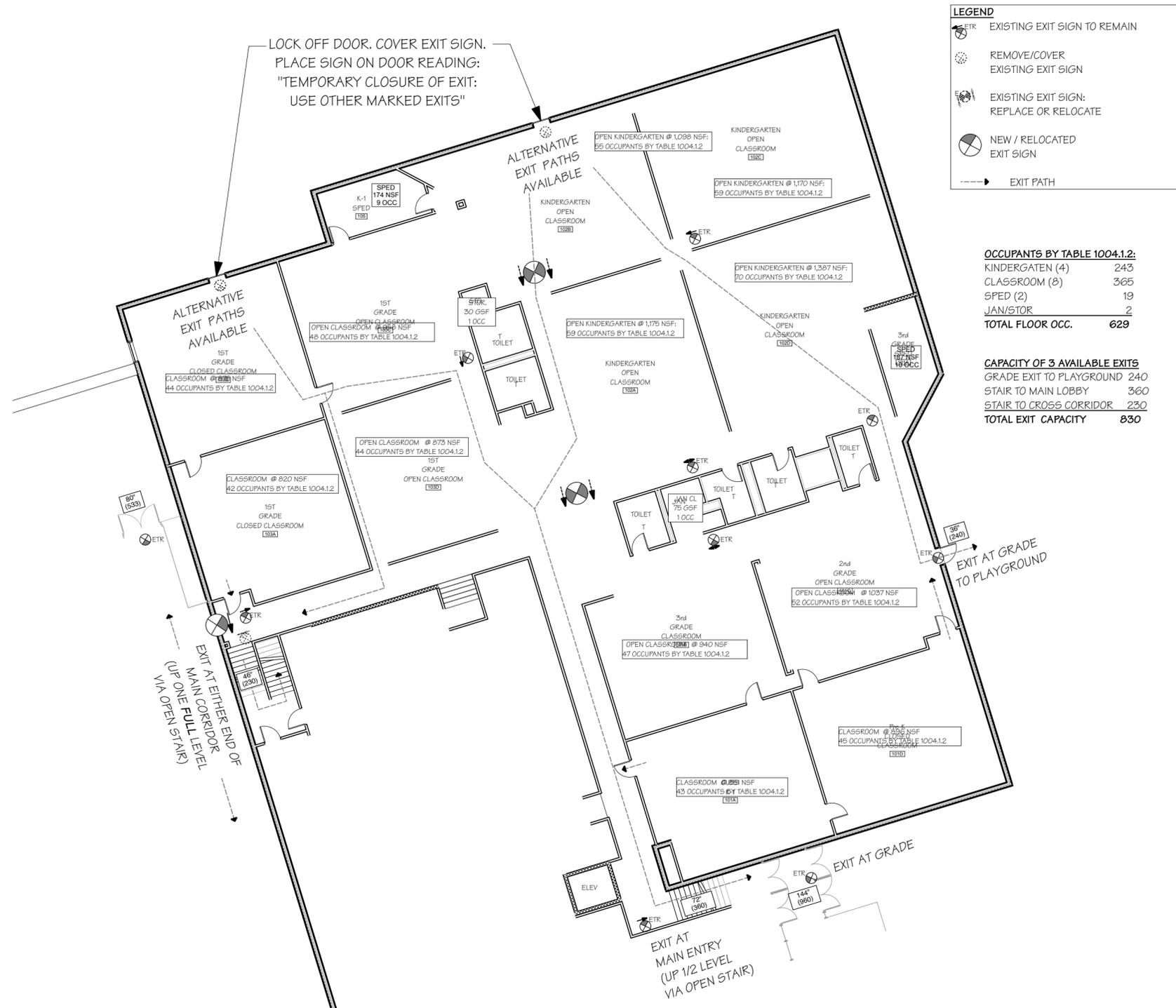
Spring 2021 - July 1, 2021

# Proposed | Phase 1 Muster Points



Spring 2021 - July 1, 2021

# Proposed | Cashman Interim Exiting Plan



**LEGEND**

- EXISTING EXIT SIGN TO REMAIN
- REMOVE/COVER EXISTING EXIT SIGN
- EXISTING EXIT SIGN: REPLACE OR RELOCATE
- NEW / RELOCATED EXIT SIGN
- EXIT PATH

**OCCUPANTS BY TABLE 1004.1.2:**

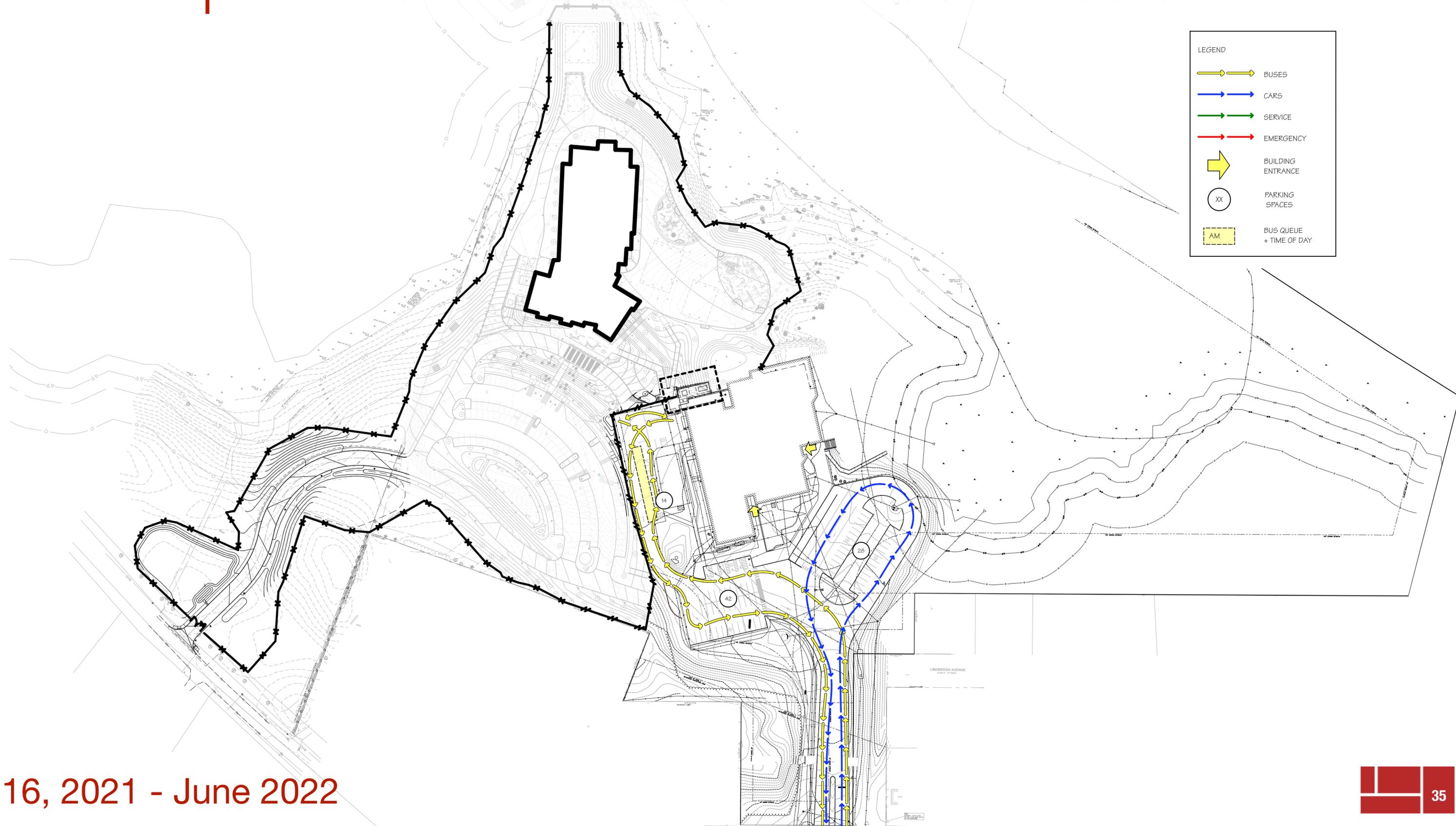
KINDERGARTEN (4)	243
CLASSROOM (8)	365
SPED (2)	19
JAN/STOR	2
<b>TOTAL FLOOR OCC.</b>	<b>629</b>

**CAPACITY OF 3 AVAILABLE EXITS**

GRADE EXIT TO PLAYGROUND	240
STAIR TO MAIN LOBBY	360
STAIR TO CROSS CORRIDOR	230
<b>TOTAL EXIT CAPACITY</b>	<b>830</b>

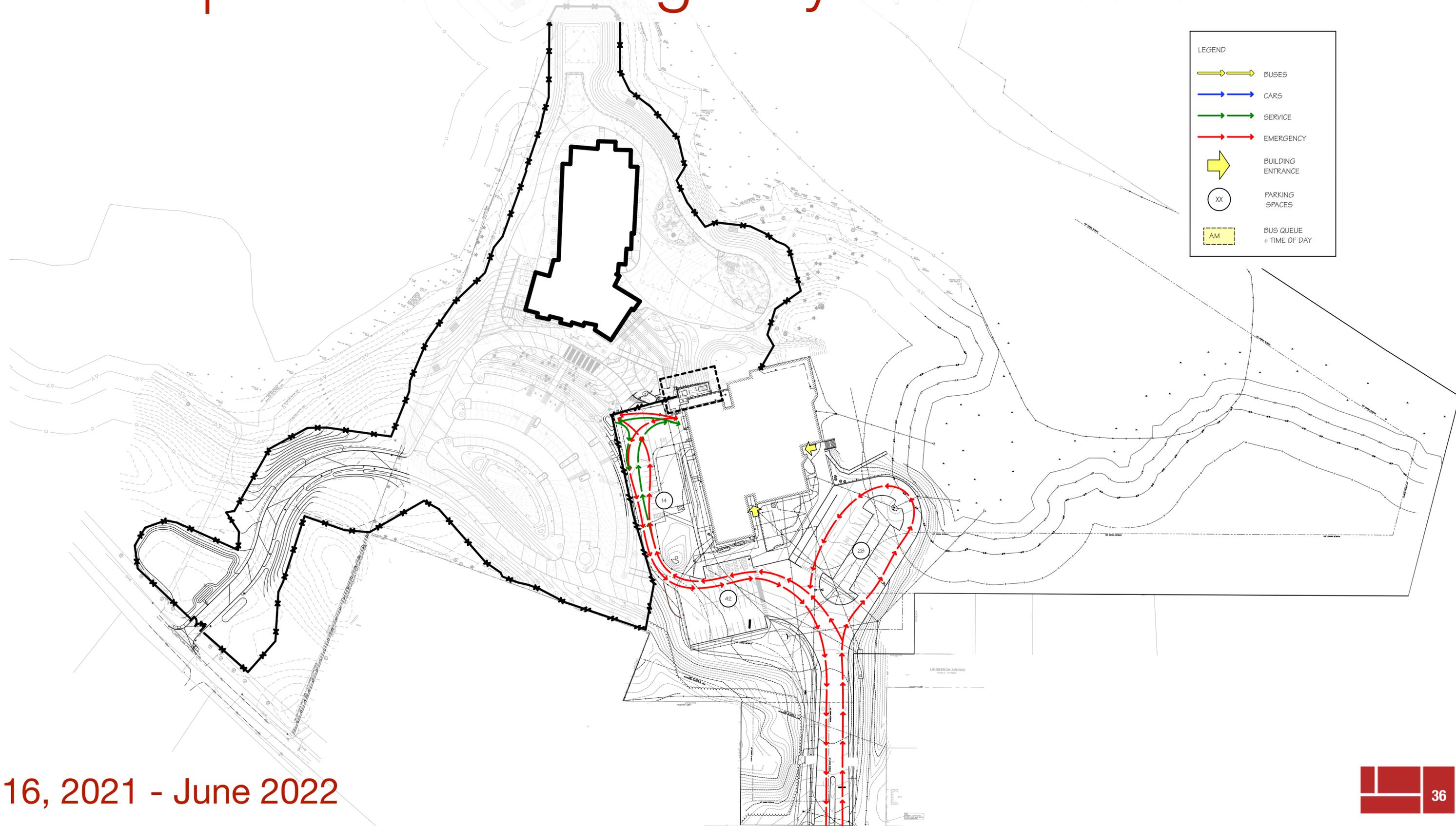
**1 First Floor Cashman -Temporary Exiting Modifications**  
SCALE: 1/16" = 1'-0"

# Proposed | Phase 3 Vehicular + Bus Circulation



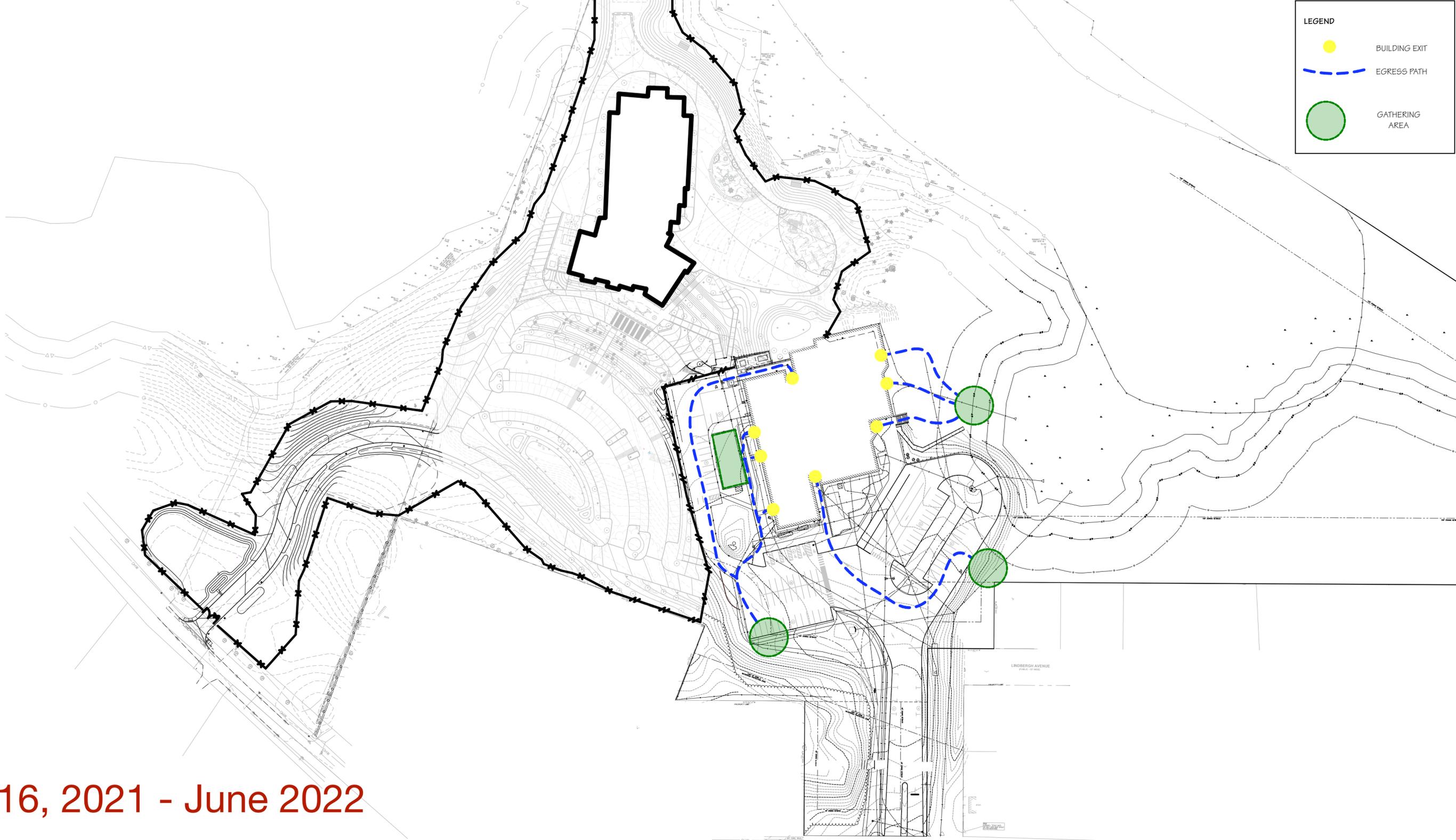
August 16, 2021 - June 2022

# Proposed | Phase 3 Emergency + Service Circulation



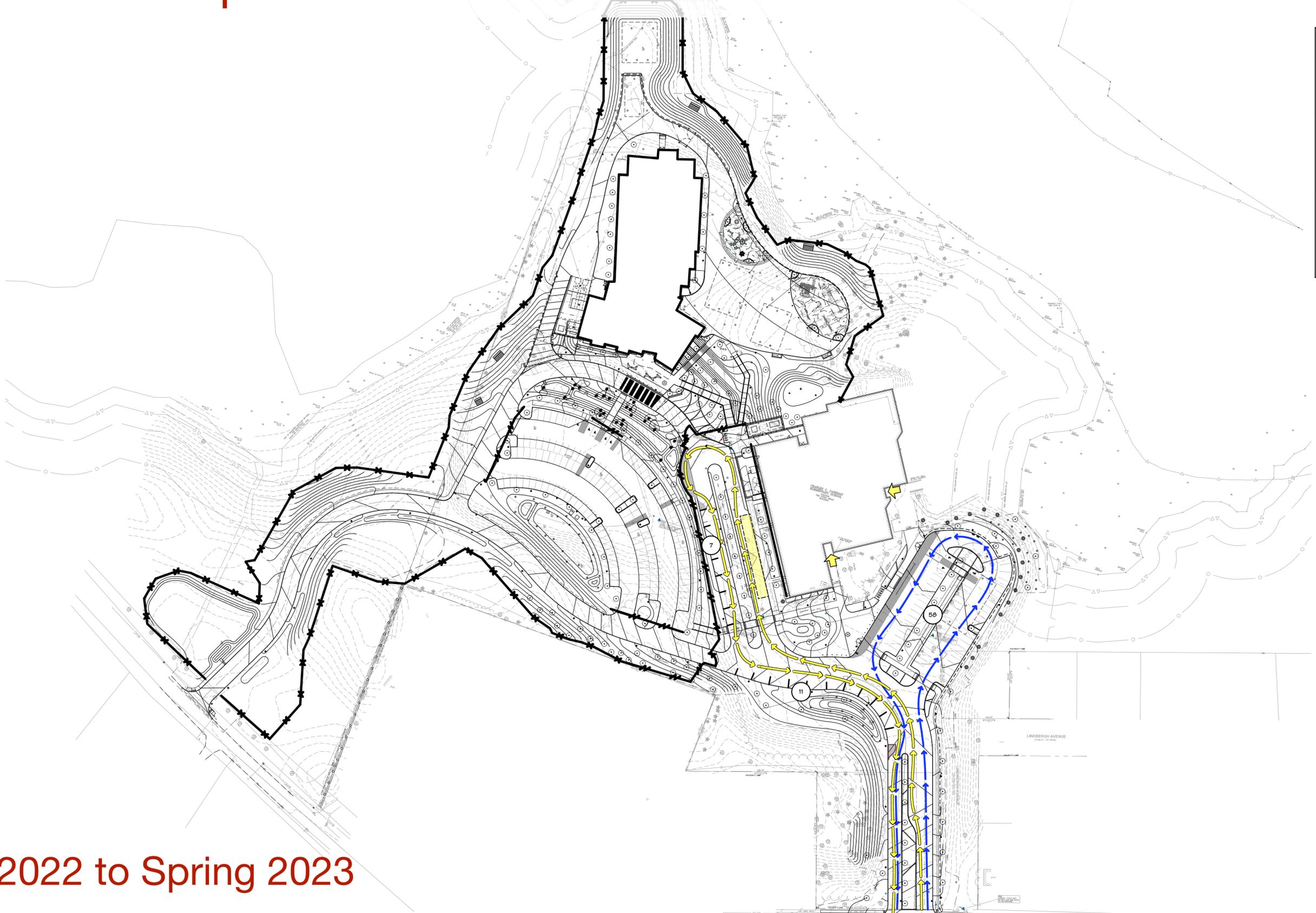
August 16, 2021 - June 2022

# Proposed | Phase 3 Muster Points



August 16, 2021 - June 2022

# Proposed | Phase 5 Vehicular + Bus Circulation

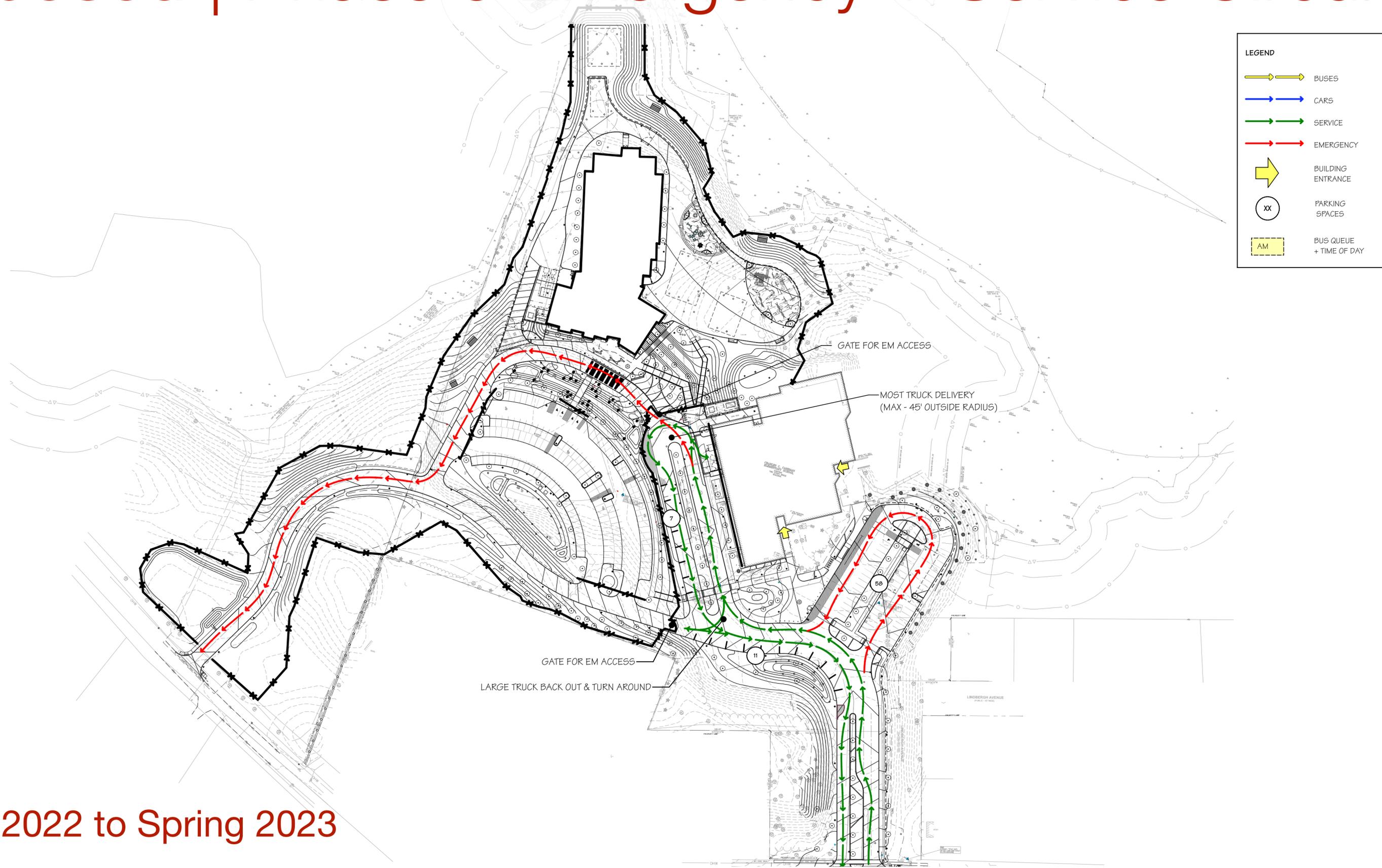


**LEGEND**

- BUSES
- CARS
- SERVICE
- EMERGENCY
- BUILDING ENTRANCE
- PARKING SPACES
- BUS QUEUE + TIME OF DAY

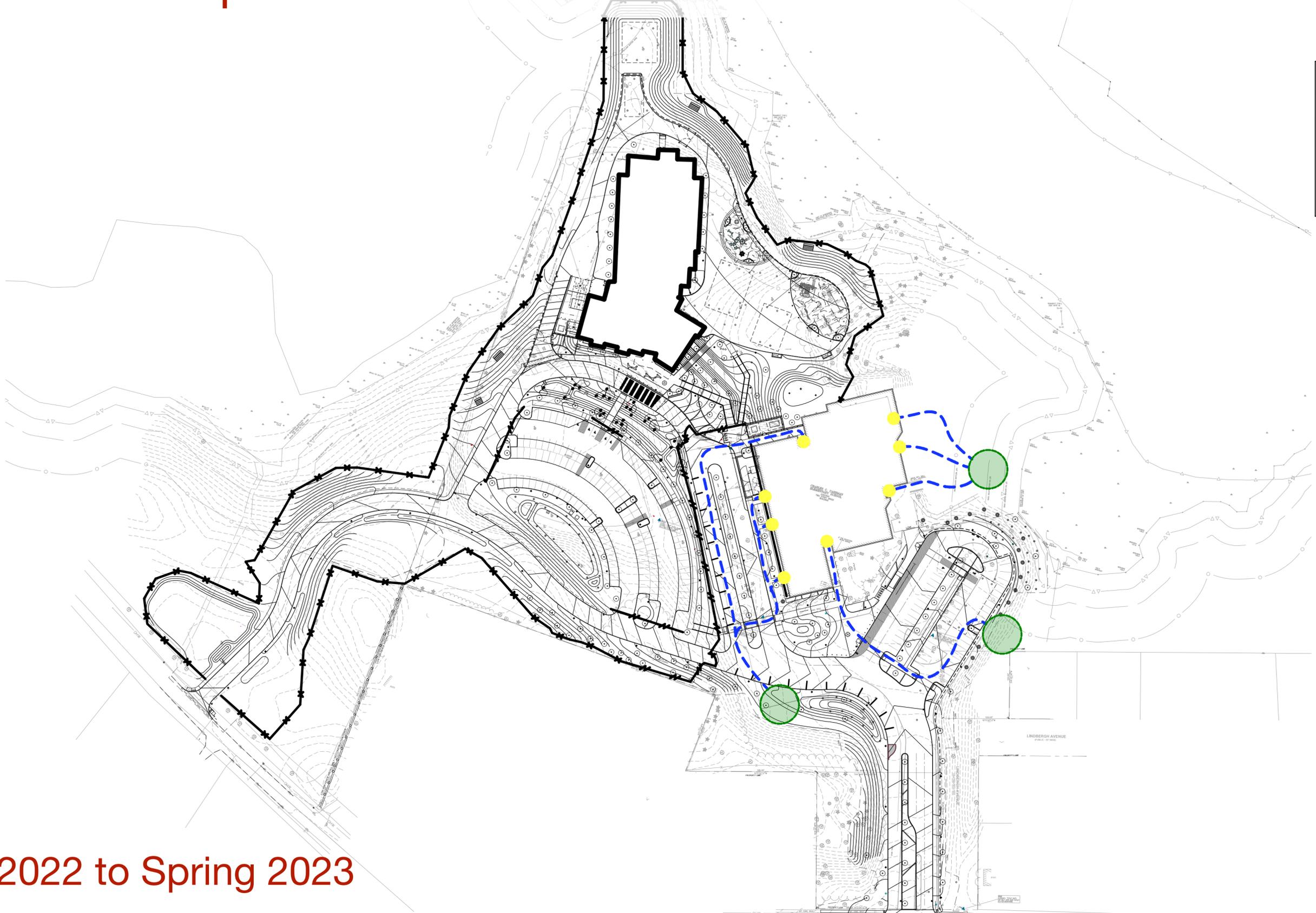
August 2022 to Spring 2023

# Proposed | Phase 5 Emergency + Service Circulation



August 2022 to Spring 2023

# Proposed | Phase 5 Muster Points



LEGEND

- BUILDING EXIT
- EGRESS PATH
- GATHERING AREA

August 2022 to Spring 2023

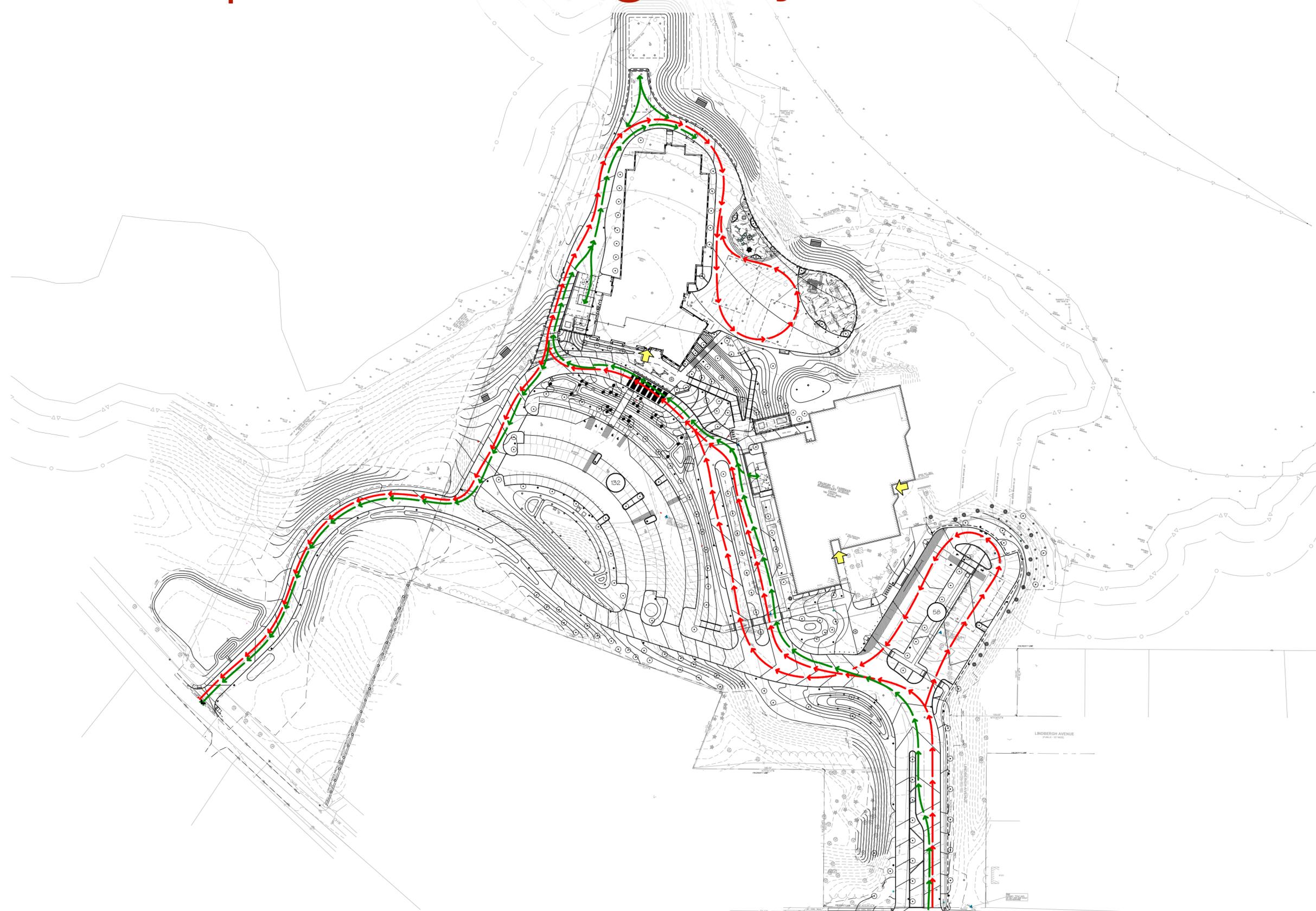
# Proposed | Final Vehicular + Bus Circulation



LEGEND

- BUSES
- CARS
- SERVICE
- EMERGENCY
- BUILDING ENTRANCE
- PARKING SPACES
- BUS QUEUE + TIME OF DAY

# Proposed | Final Emergency + Service Circulation



LEGEND

- BUSES
- CARS
- SERVICE
- EMERGENCY
- BUILDING ENTRANCE
- PARKING SPACES
- BUS QUEUE + TIME OF DAY

# Proposed | Final Muster Points



LEGEND

-  BUILDING EXIT
-  EGRESS PATH
-  GATHERING AREA